

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065843.D
 Acq On : 22 Jun 2020 14:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Jun 23 06:59:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	211234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	304009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152964	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.33	65	104722	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.91	113	101590	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.34	98	391018	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	132766	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.99	85	59474	41.166	ug/l	98
3) Chloromethane	2.21	50	111032	46.526	ug/l	99
4) Vinyl Chloride	2.35	62	132058	42.374	ug/l	96
5) Bromomethane	2.77	94	92413	42.401	ug/l	98
6) Chloroethane	2.92	64	90439	42.919	ug/l	96
7) Trichlorofluoromethane	3.27	101	153783	43.553	ug/l	98
8) Diethyl Ether	3.70	74	42504	45.786	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93760	44.532	ug/l	98
10) Methyl Iodide	4.30	142	93088	45.403	ug/l	98
11) Tert butyl alcohol	5.22	59	29889	256.378	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	84371	43.967	ug/l	99
13) Acrolein	3.92	56	24813	211.645	ug/l	98
14) Allyl chloride	4.71	41	142350	44.882	ug/l	97
15) Acrylonitrile	5.42	53	96668	229.272	ug/l	99
16) Acetone	4.15	43	116390	295.611	ug/l	95
17) Carbon Disulfide	4.40	76	263233	40.870	ug/l	99
18) Methyl Acetate	4.71	43	42638	47.856	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	200212	46.062	ug/l	94
20) Methylene Chloride	4.97	84	100540	47.896	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	99115	44.104	ug/l	96
22) Diisopropyl ether	6.36	45	301938	47.116	ug/l	95
23) Vinyl Acetate	6.30	43	888719	245.588	ug/l	98
24) 1,1-Dichloroethane	6.27	63	175299	44.895	ug/l	98
25) 2-Butanone	7.21	43	134494	247.341	ug/l	93
26) 2,2-Dichloropropane	7.20	77	160675	46.409	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	111864	46.274	ug/l	99
28) Bromochloromethane	7.54	49	75342	49.959	ug/l	98
29) Tetrahydrofuran	7.56	42	80152	233.226	ug/l	98
30) Chloroform	7.71	83	184258	45.527	ug/l	98
31) Cyclohexane	7.98	56	160052	42.758	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	168497	45.277	ug/l	97
36) 1,1-Dichloropropene	8.11	75	145139	47.351	ug/l	98
37) Ethyl Acetate	7.30	43	57496	47.622	ug/l	99
38) Carbon Tetrachloride	8.10	117	156477	48.508	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168852	46.528	ug/l	98
40) Benzene	8.35	78	394437	47.071	ug/l	99
41) Methacrylonitrile	7.51	41	30999	43.120	ug/l #	79
42) 1,2-Dichloroethane	8.42	62	117670	46.540	ug/l	99
43) Isopropyl Acetate	8.45	43	116493	48.522	ug/l	98
44) Trichloroethene	9.11	130	108478	46.518	ug/l	98
45) 1,2-Dichloropropane	9.39	63	100057	47.521	ug/l	97
46) Dibromomethane	9.47	93	52315	45.813	ug/l	98
47) Bromodichloromethane	9.66	83	143291	46.827	ug/l	98
48) Methyl methacrylate	9.46	41	58861	50.651	ug/l	97
49) 1,4-Dioxane	9.46	88	12063	992.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	289326	245.938	ug/l	99
52) Toluene	10.40	92	262855	48.277	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	136697	49.332	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	159678	48.793	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	71704	46.995	ug/l	98
56) Ethyl methacrylate	10.66	69	90586	50.476	ug/l	98
57) 1,3-Dichloropropane	10.95	76	126344	47.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	232932	279.174	ug/l	100
59) 2-Hexanone	10.98	43	212889	268.416	ug/l	100
60) Dibromochloromethane	11.14	129	99112	48.085	ug/l	100
61) 1,2-Dibromoethane	11.24	107	73308	48.889	ug/l	99
64) Tetrachloroethene	10.88	164	93199	45.336	ug/l	98
65) Chlorobenzene	11.67	112	274615	46.271	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	103426	46.751	ug/l	99
67) Ethyl Benzene	11.75	91	502440	47.389	ug/l	97
68) m/p-Xylenes	11.86	106	389108	95.279	ug/l	100
69) o-Xylene	12.18	106	177324	48.157	ug/l	100
70) Styrene	12.20	104	309954	48.626	ug/l	99
71) Bromoform	12.37	173	55822	45.822	ug/l #	99
73) Isopropylbenzene	12.48	105	487357	47.521	ug/l	100
74) N-amyl acetate	12.29	43	109010	47.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	82655	47.722	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49592m	41.687	ug/l	
77) Bromobenzene	12.77	156	111679	46.025	ug/l	96
78) n-propylbenzene	12.83	91	590857	47.862	ug/l	98
79) 2-Chlorotoluene	12.91	91	322566	47.631	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	408086	47.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26909	48.873	ug/l	99
82) 4-Chlorotoluene	13.01	91	346130	47.617	ug/l	99
83) tert-Butylbenzene	13.23	119	362739	48.984	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	411904	48.219	ug/l	99
85) sec-Butylbenzene	13.41	105	506594	49.157	ug/l	99
86) p-Isopropyltoluene	13.52	119	462613	48.976	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	224589	46.941	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	222065	46.659	ug/l	100
89) n-Butylbenzene	13.85	91	437075	48.517	ug/l	100
90) Hexachloroethane	14.12	117	89514	47.344	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	194433	47.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13880	48.153	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	134545	48.058	ug/l	100
94) Hexachlorobutadiene	15.27	225	78685	46.493	ug/l	99
95) Naphthalene	15.41	128	222259	46.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	117018	48.530	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

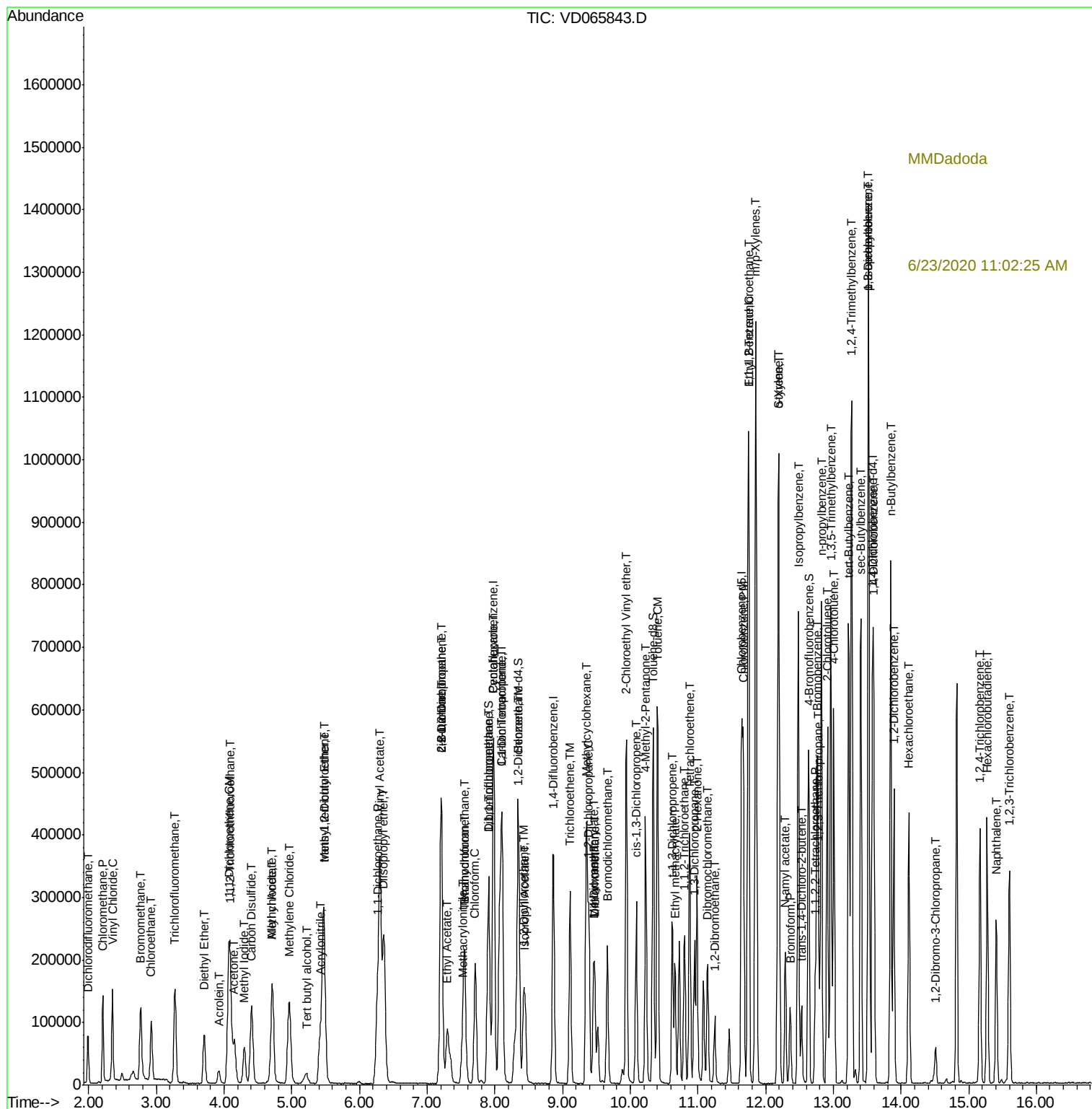
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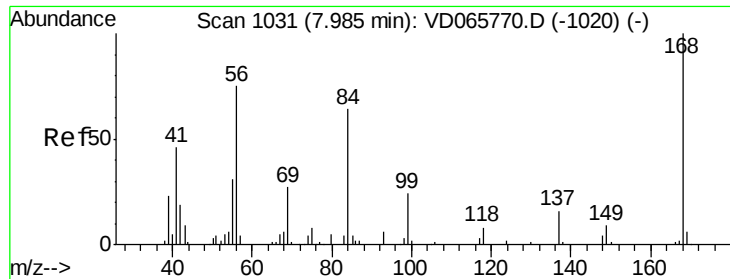
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

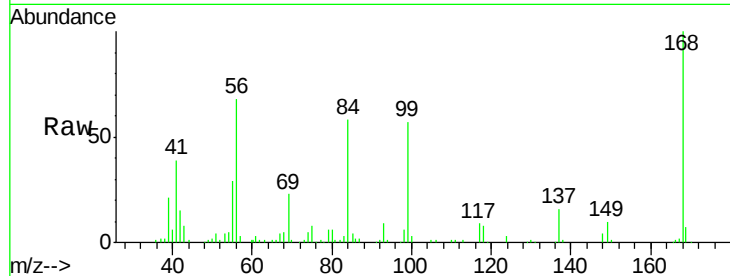
Tot Ion:168 Resp: 211234

Ion Ratio Lower Upper

168 100

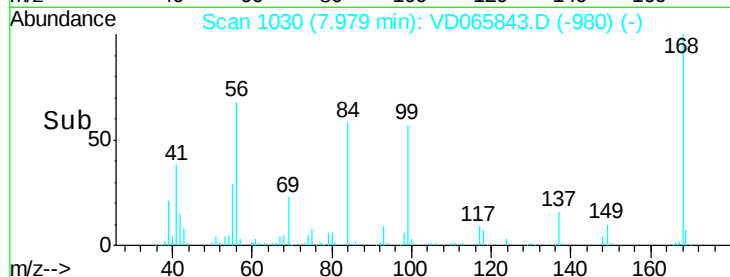
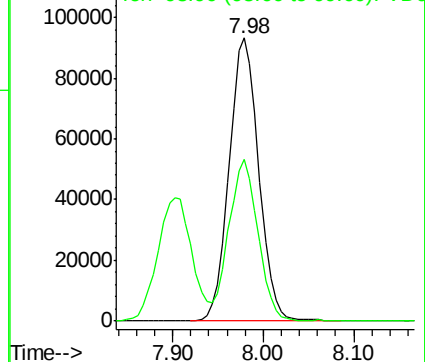
99 57.0 45.3 67.9

Manual Integrations
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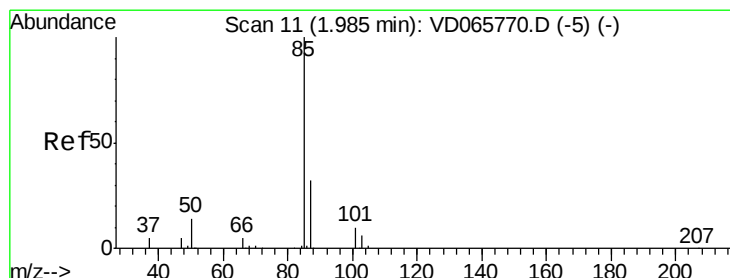
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



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#2

Dichlorodifluoromethane

Concen: 41.166 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065843.D

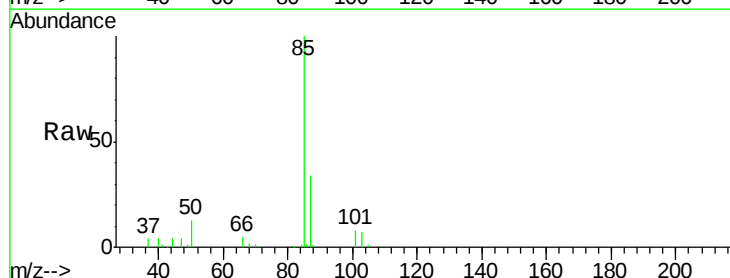
Acq: 22 Jun 2020 14:26

Tgt Ion: 85 Resp: 59474

Ion Ratio Lower Upper

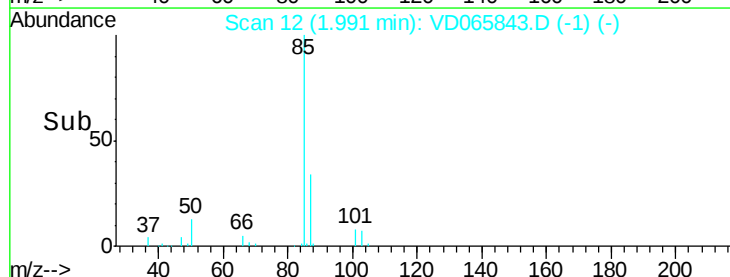
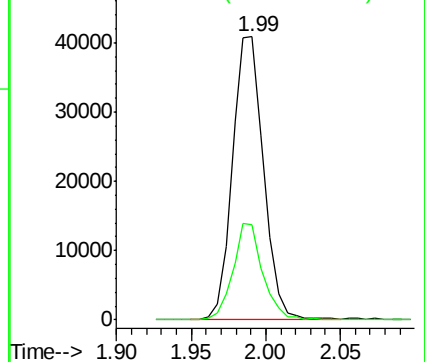
85 100

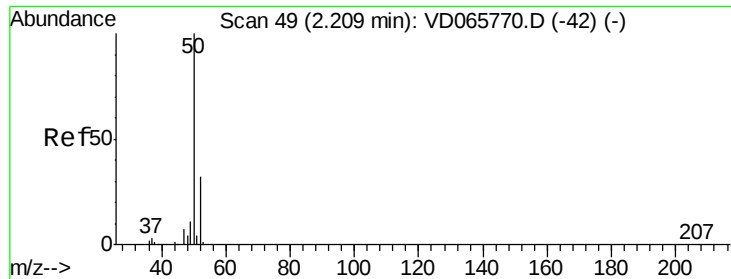
87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.526 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

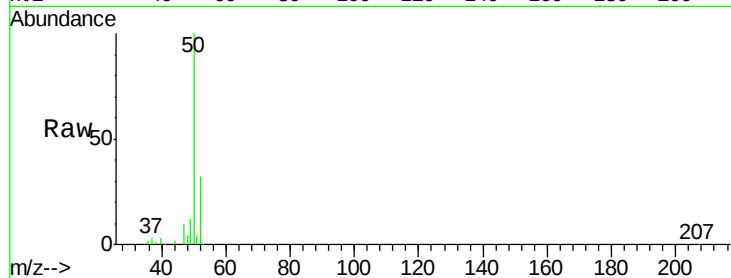
Tot Ion: 50 Resp: 111032

Ion Ratio Lower Upper

50 100

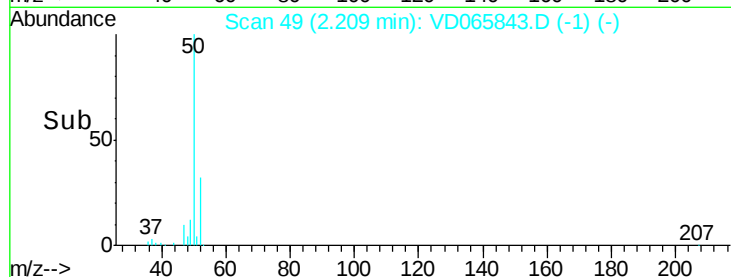
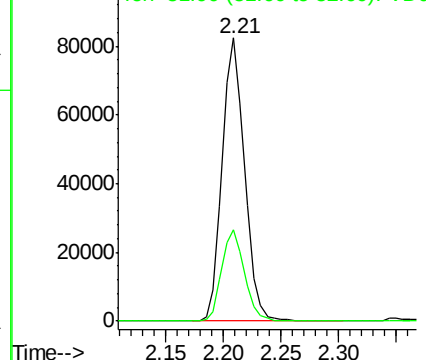
52 32.3 25.6 38.4

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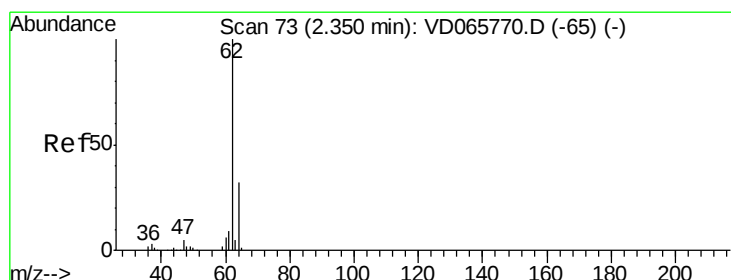
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



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#4

Vinyl Chloride

Concen: 42.374 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065843.D

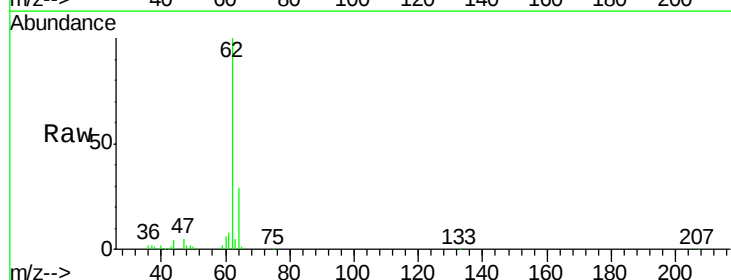
Acq: 22 Jun 2020 14:26

Tgt Ion: 62 Resp: 132058

Ion Ratio Lower Upper

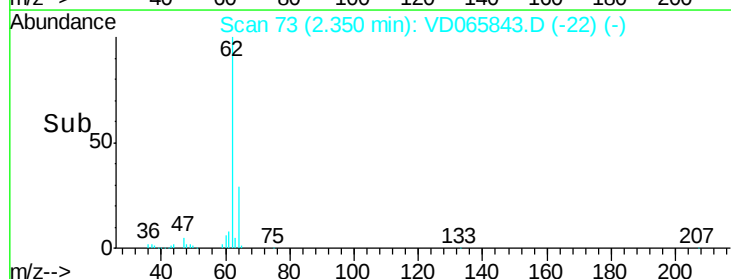
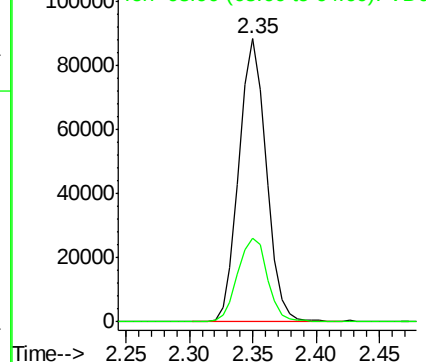
62 100

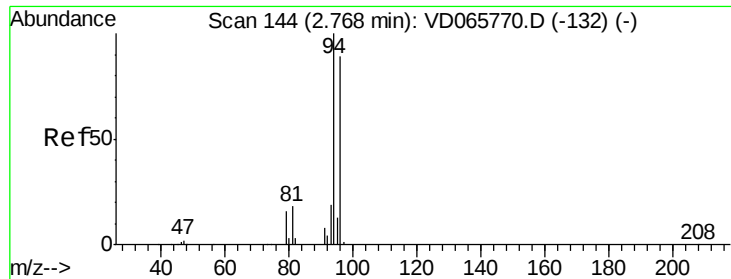
64 29.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.401 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065843.D

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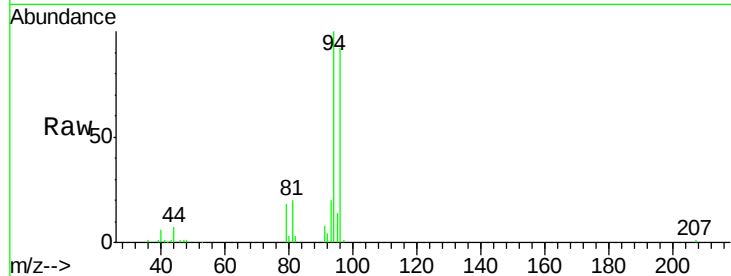
Tot Ion: 94 Resp: 92413

Ion Ratio Lower Upper

94 100

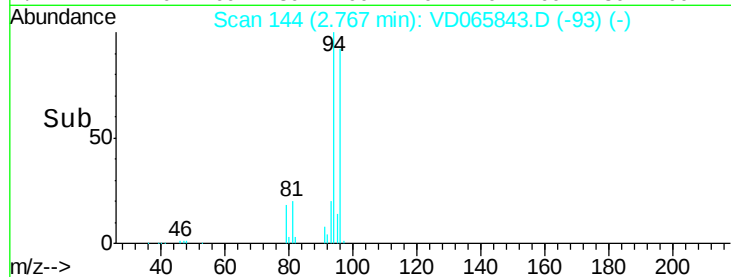
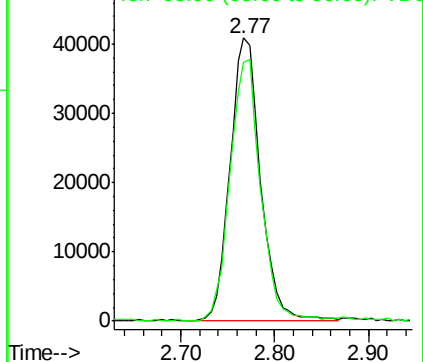
96 91.3 71.4 107.0

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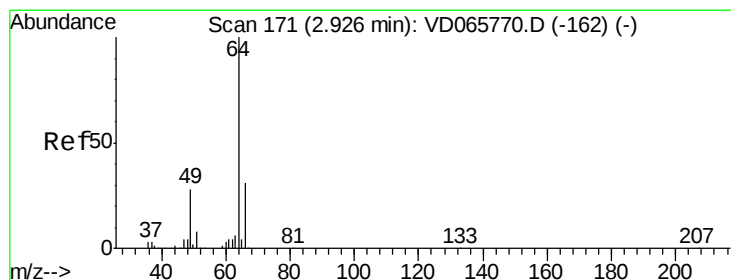
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



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#6

Chloroethane

Concen: 42.919 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065843.D

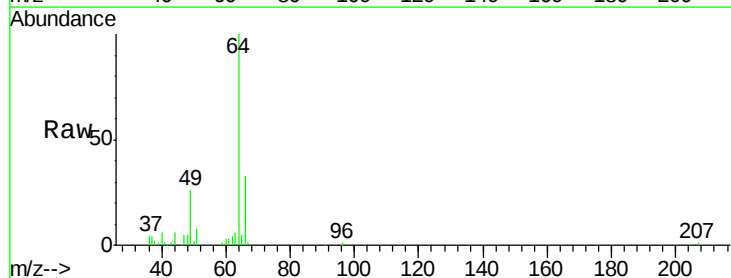
Acq: 22 Jun 2020 14:26

Tgt Ion: 64 Resp: 90439

Ion Ratio Lower Upper

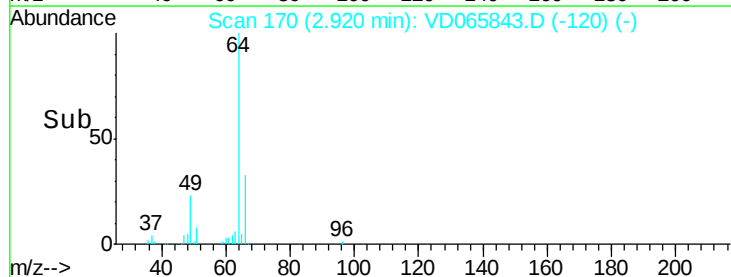
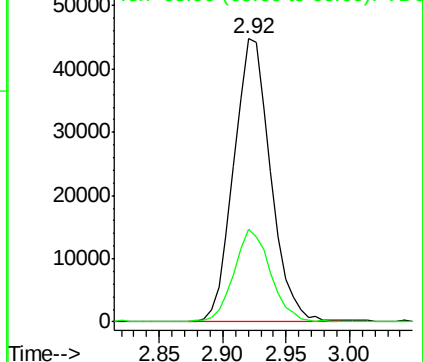
64 100

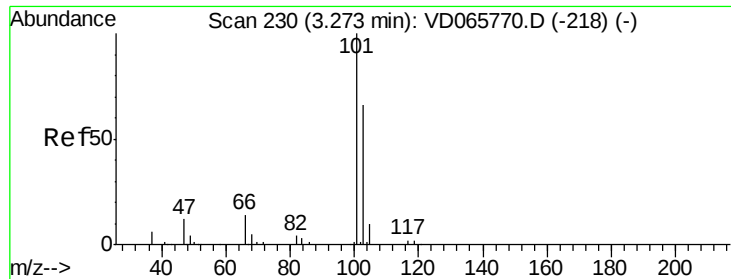
66 32.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





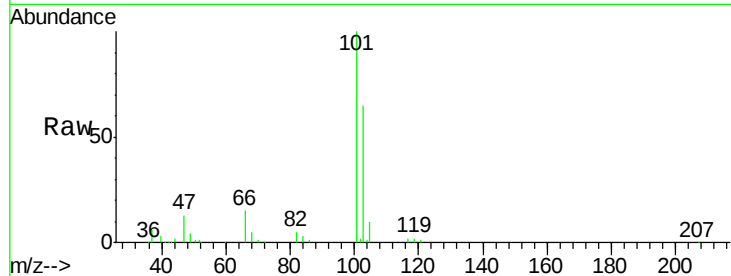
#7

Trichlorofluoromethane
Concen: 43.553 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

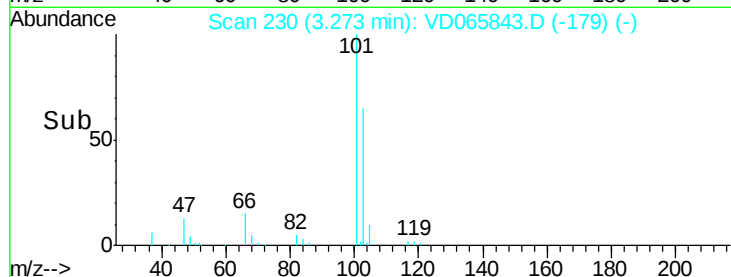
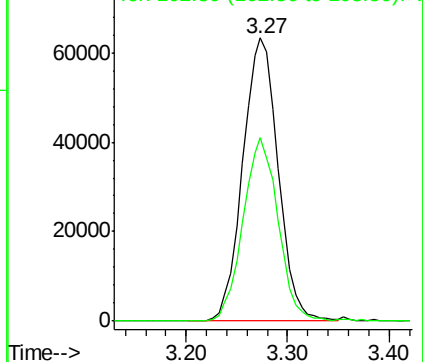
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.1	79.7

Manual Integrations
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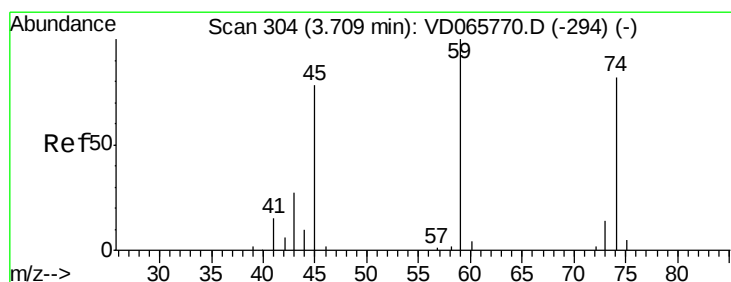


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



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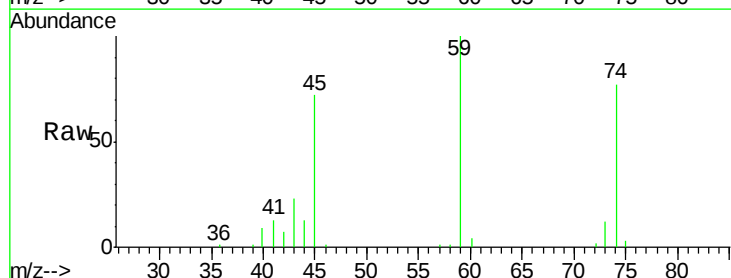
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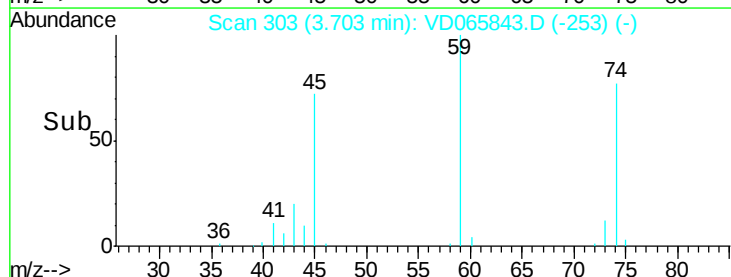
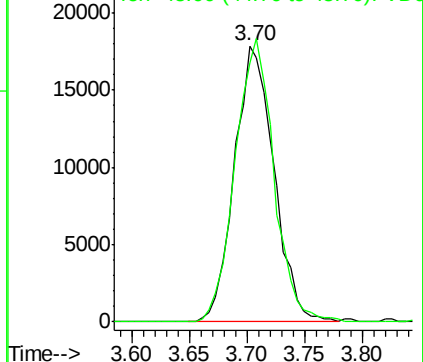
#8

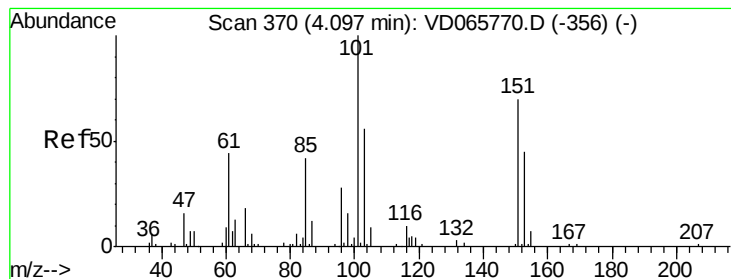
Diethyl Ether
Concen: 45.786 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	47.9	143.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.532 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

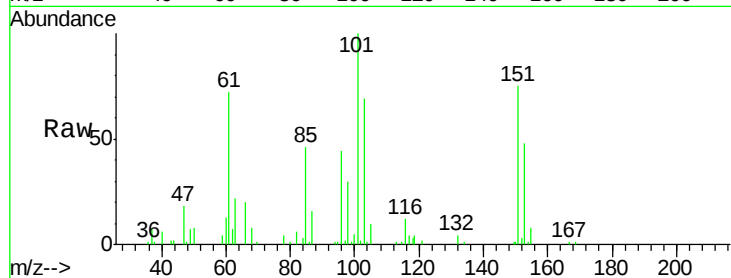
MSVOA_D

ClientSampleId :

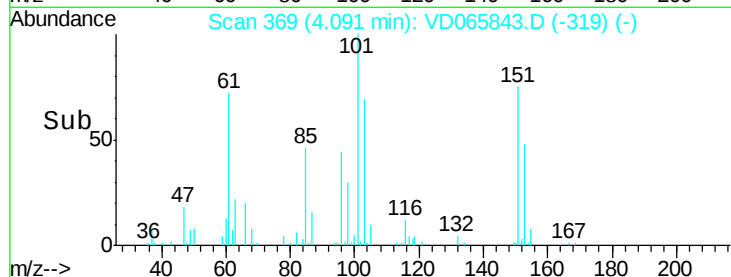
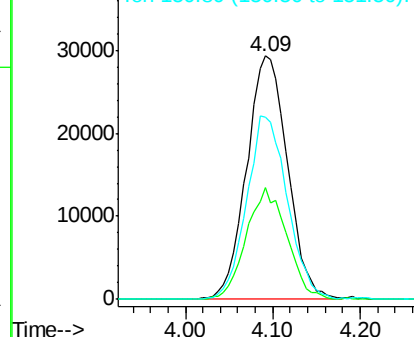
VSTDCCC050

Tot Ion:	101	Resp:	93760
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.5	54.7
151	74.6	61.8	92.6

Manual Integrations
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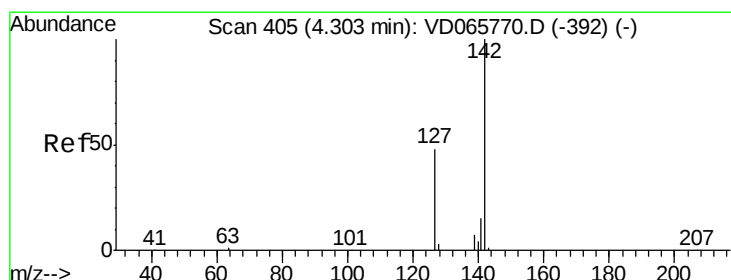


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 45.403 ug/l

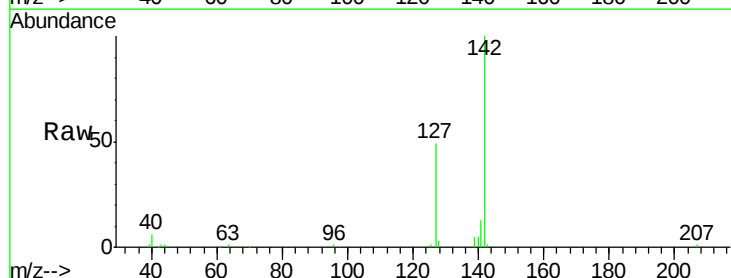
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

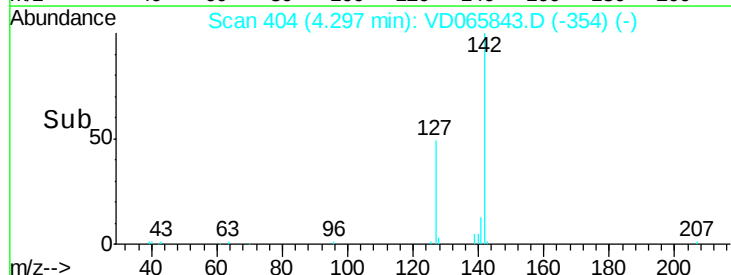
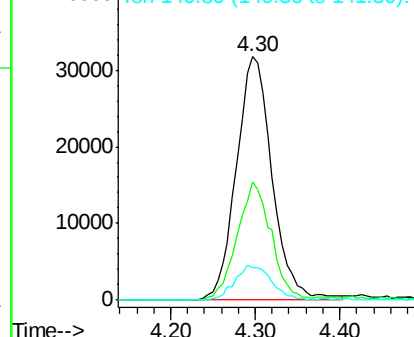
Lab File: VD065843.D

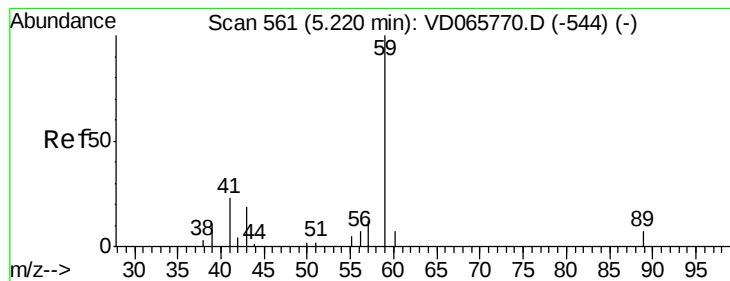
Acq: 22 Jun 2020 14:26

Tgt Ion:	142	Resp:	93088
Ion Ratio	Lower	Upper	
142	100		
127	46.0	37.6	56.4
141	14.4	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





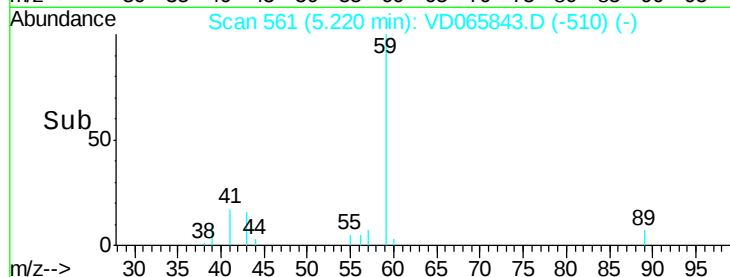
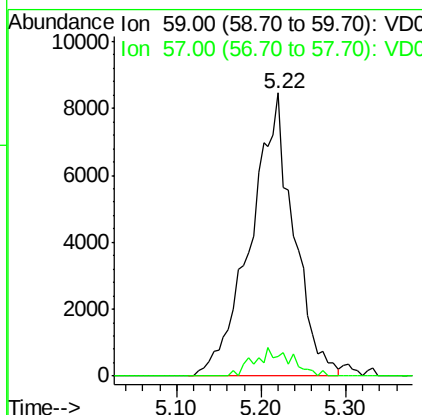
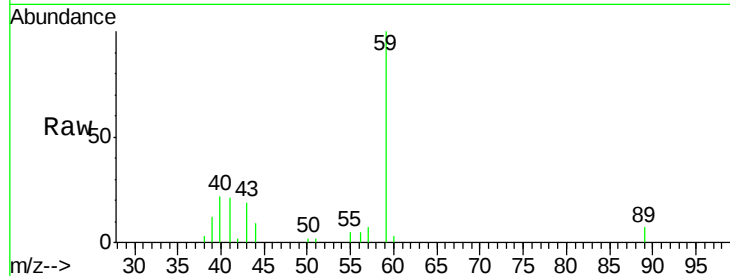
#11

Tert butyl alcohol
 Concen: 256.378 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

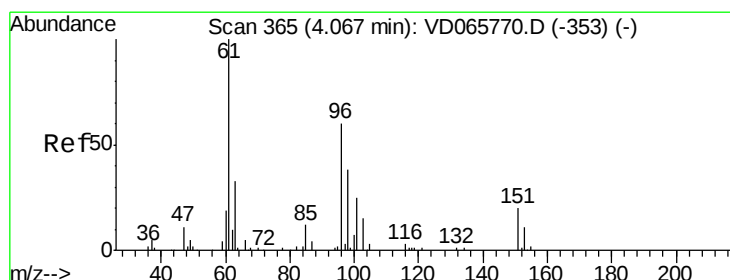
Tot Ion: 59 Resp: 29889
 Ion Ratio Lower Upper
 59 100
 57 6.8 7.5 11.3#

Manual Integrations
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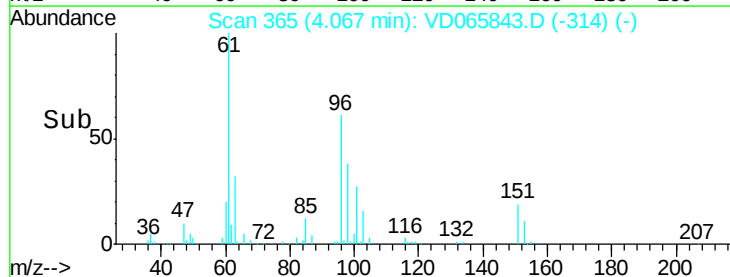
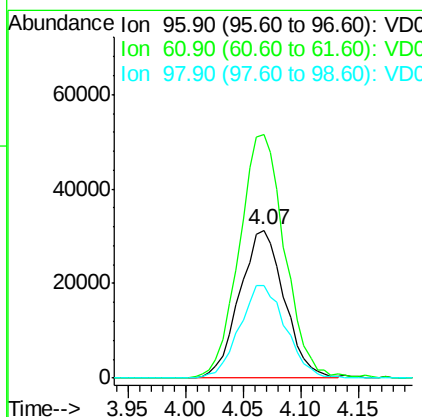
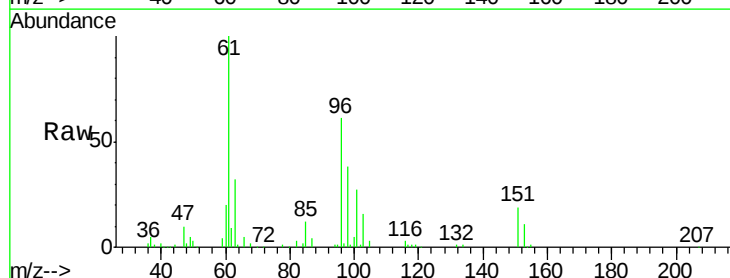
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#12

1,1-Dichloroethene
 Concen: 43.967 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 96 Resp: 84371
 Ion Ratio Lower Upper
 96 100
 61 164.6 132.3 198.5
 98 63.0 50.7 76.1



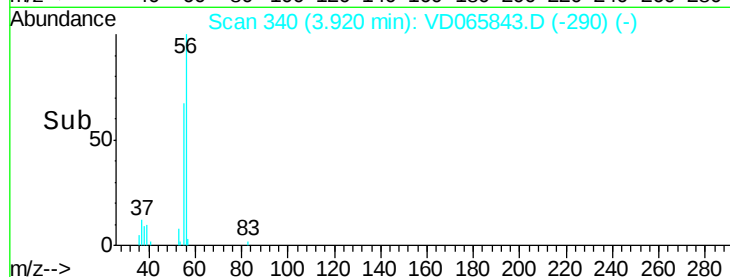
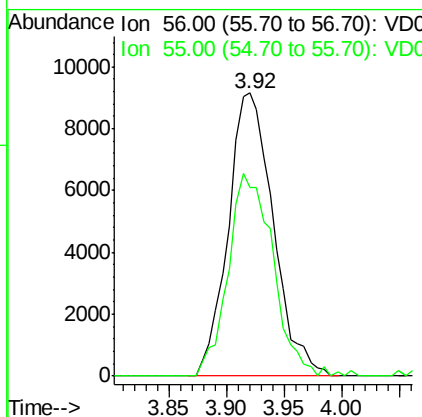
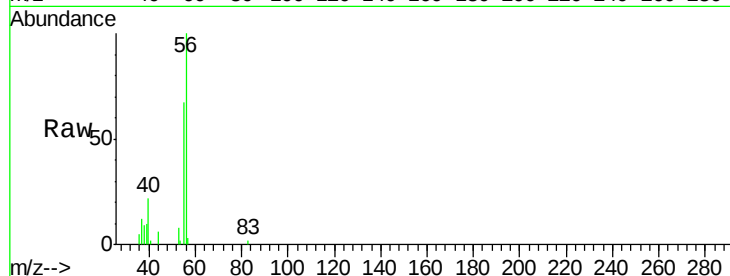


#13
Acrolein
Concen: 211.645 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

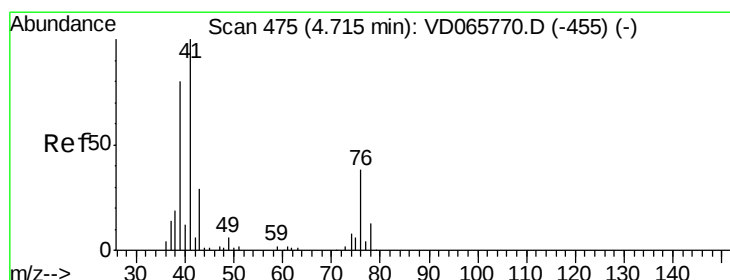
Tot Ion	56	Resp	24813
Ion Ratio	Lower	Upper	
56	100		
55	70.5	54.8	82.2

Manual Integrations
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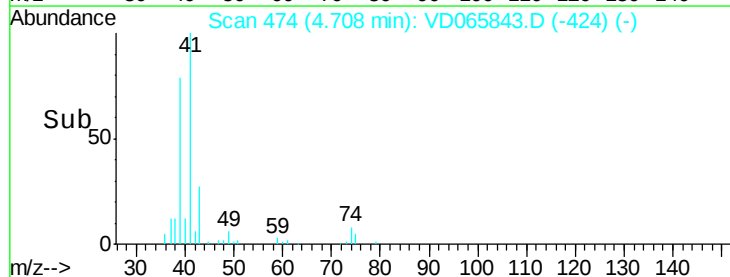
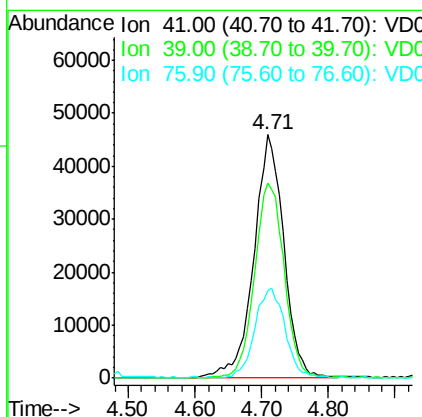
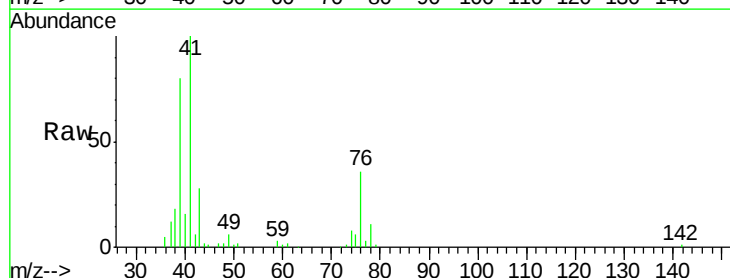
MMDadoda

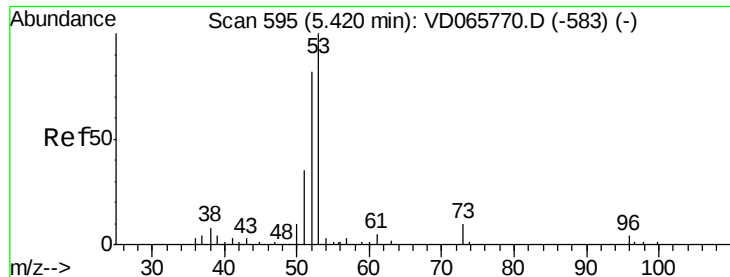
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#14
Allyl chloride
Concen: 44.882 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	41	Resp	142350
Ion Ratio	Lower	Upper	
41	100		
39	79.1	60.9	91.3
76	37.3	28.9	43.3





#15

Acrylonitrile

Concen: 229.272 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

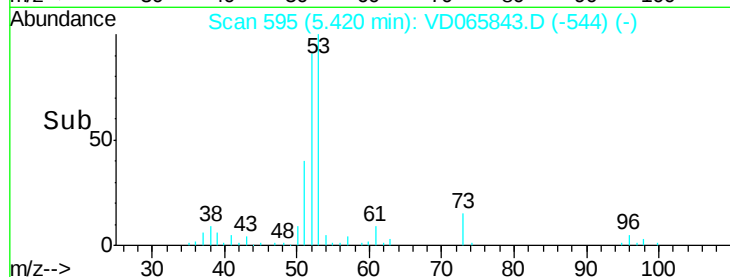
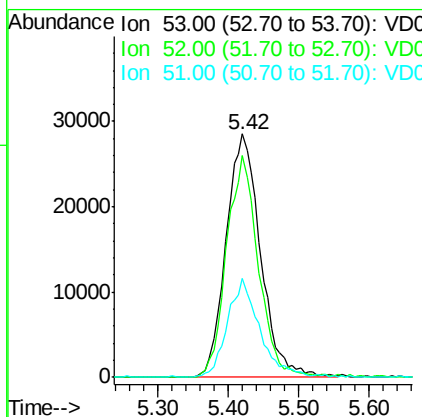
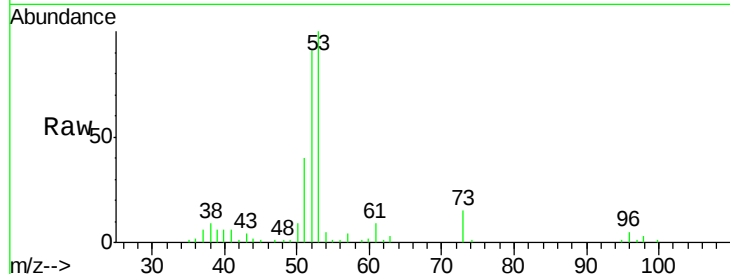
MSVOA_D

ClientSampleId :

VSTDCCC050

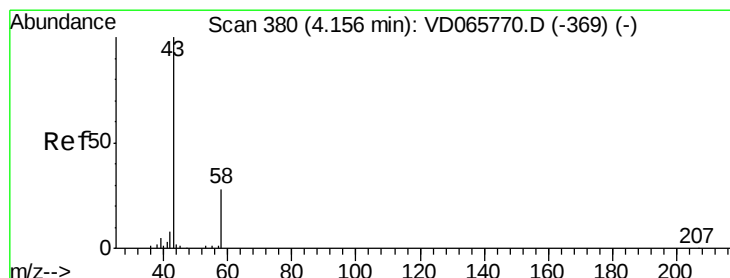
Tot Ion:	53	Resp:	96668
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.7	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 295.611 ug/l

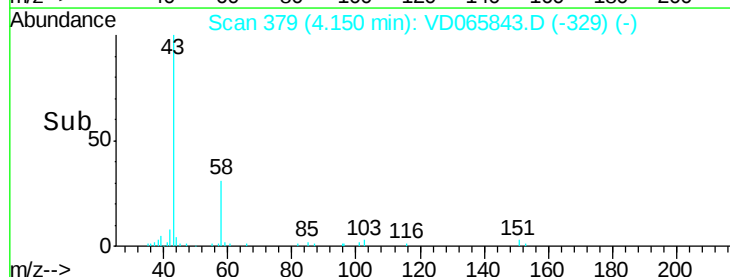
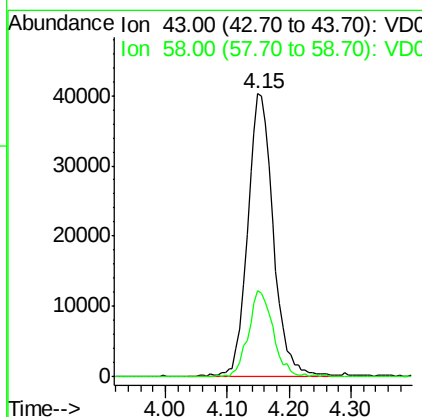
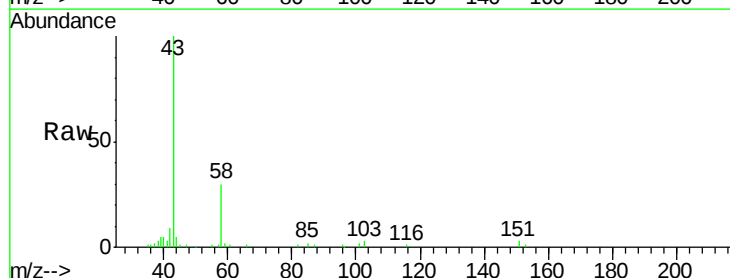
RT: 4.15 min Scan# 379

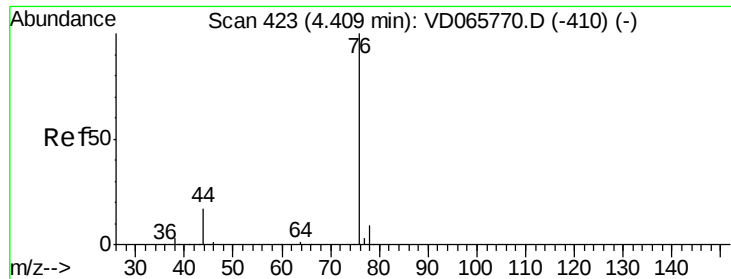
Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Tgt Ion:	43	Resp:	116390
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.3	33.5



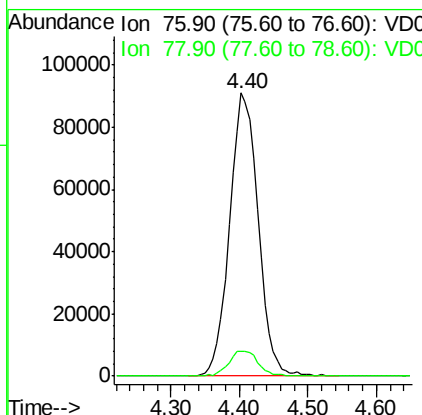
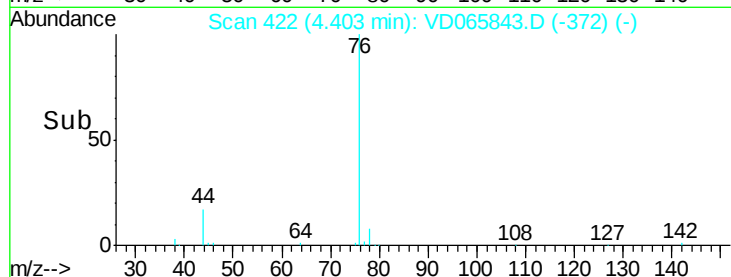
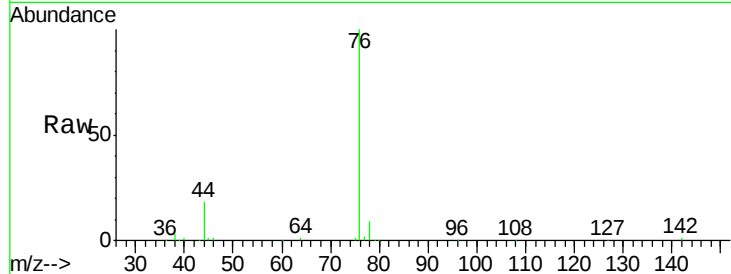


#17
Carbon Disulfide
Concen: 40.870 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

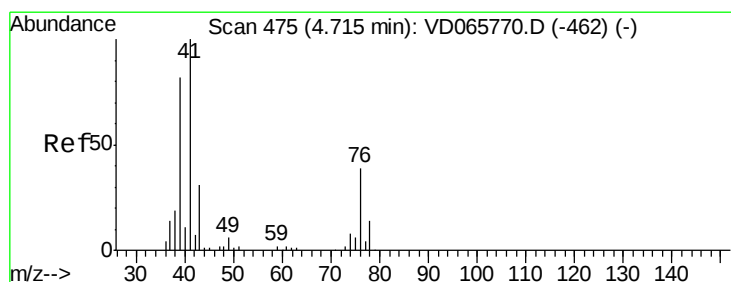
Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

Manual Integrations
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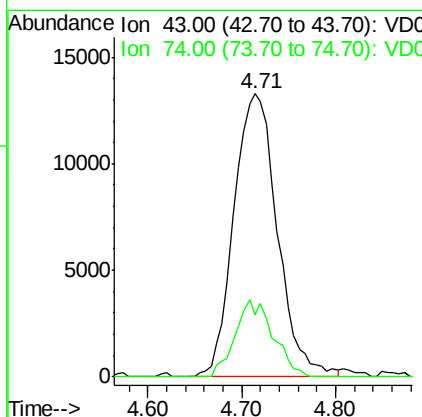
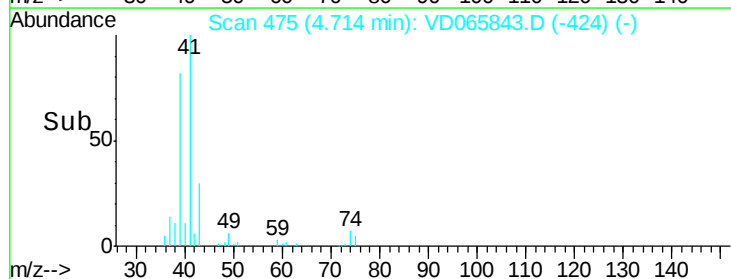
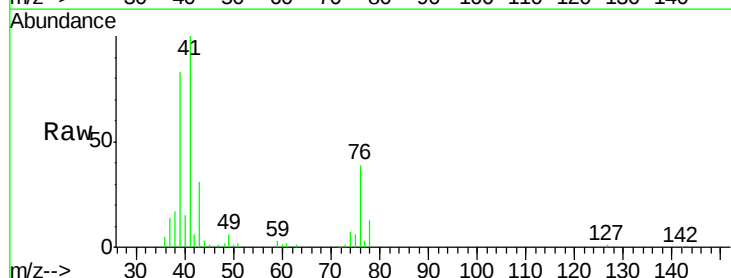
MMDadoda

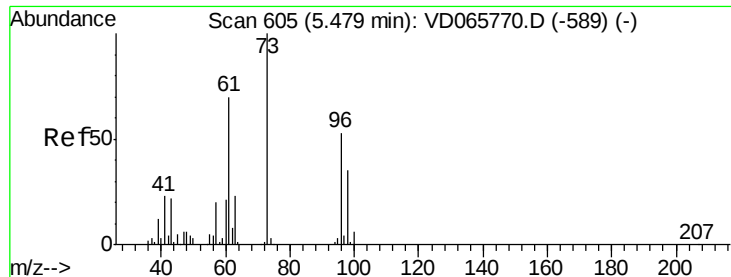
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#18
Methyl Acetate
Concen: 47.856 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.7	28.1



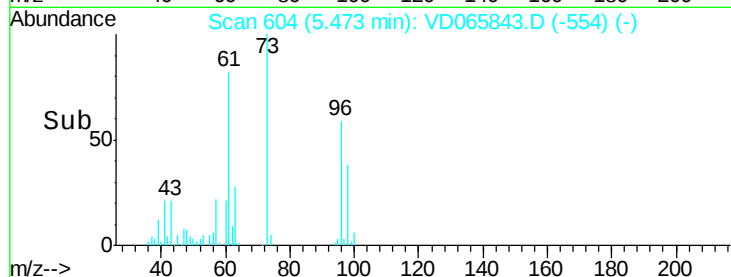
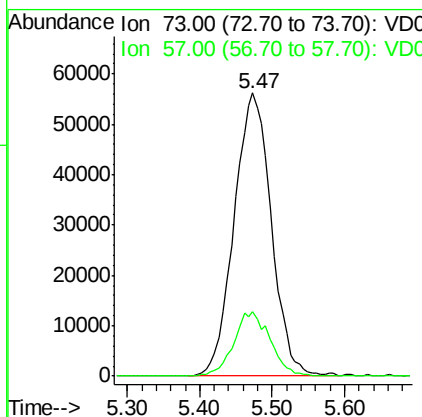
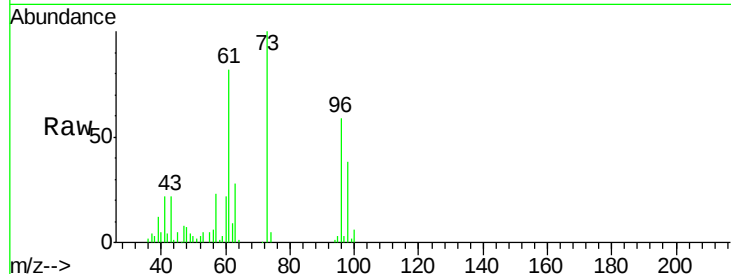


#19
Methvl tert-butvl Ether
Concen: 46.062 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

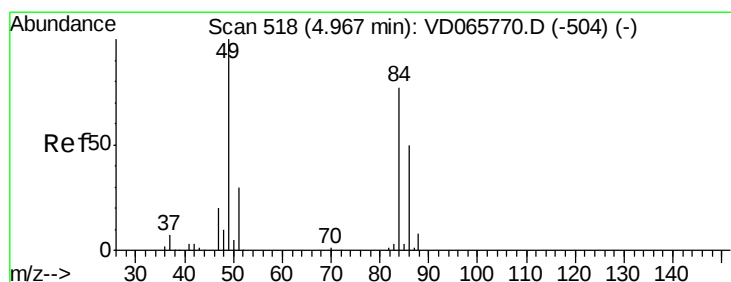
Tot Ion: 73 Resp: 200212
Ion Ratio Lower Upper
73 100
57 22.9 16.2 24.2

Manual Integrations
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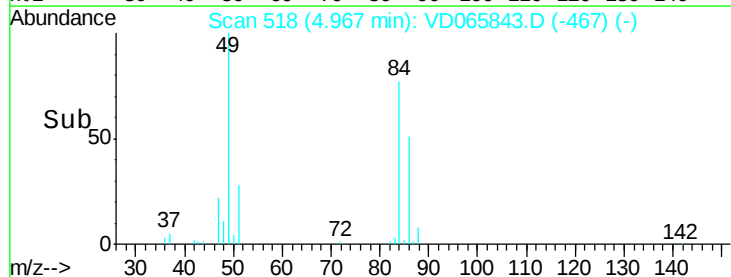
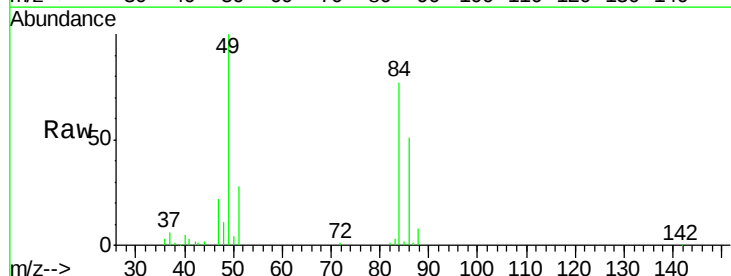
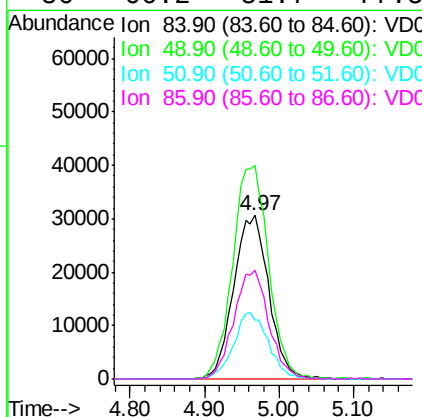
MMDadoda

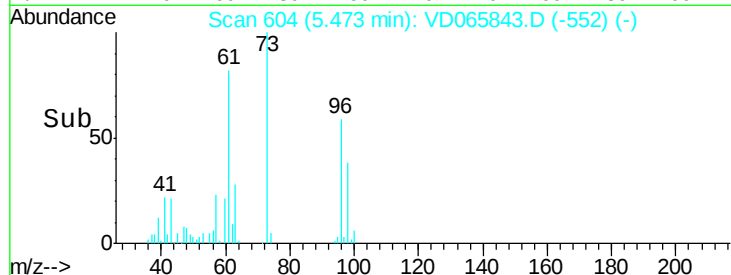
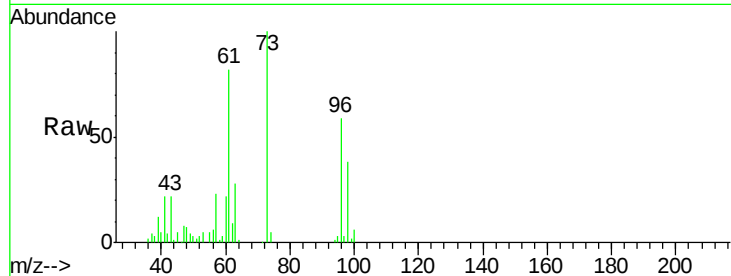
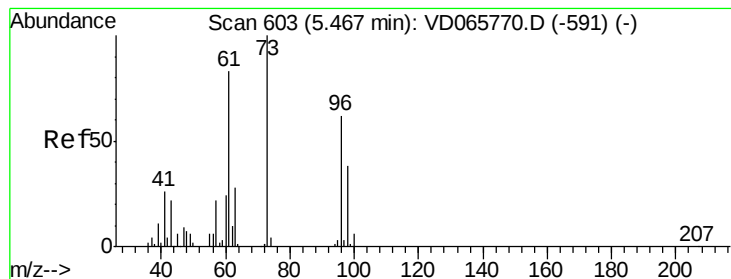
6/23/2020 11:02:25 AM



#20
Methylene Chloride
Concen: 47.896 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 84 Resp: 100540
Ion Ratio Lower Upper
84 100
49 130.4 103.4 155.0
51 36.0 31.4 47.2
86 66.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 44.104 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

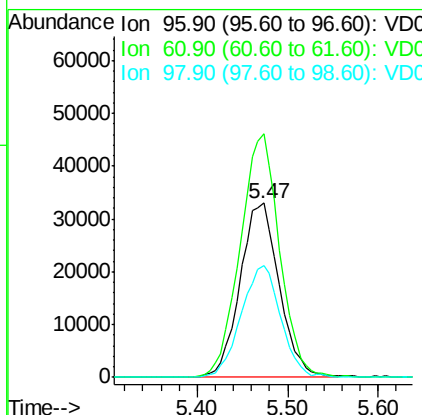
Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Tot Ion:	96	Resp:	99115
Ion	Ratio	Lower	Upper
96	100		
61	139.8	107.7	161.5
98	64.0	49.3	73.9

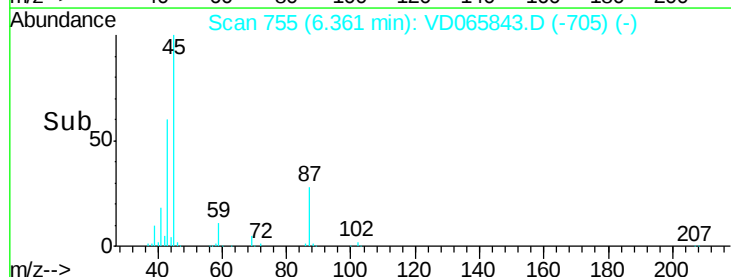
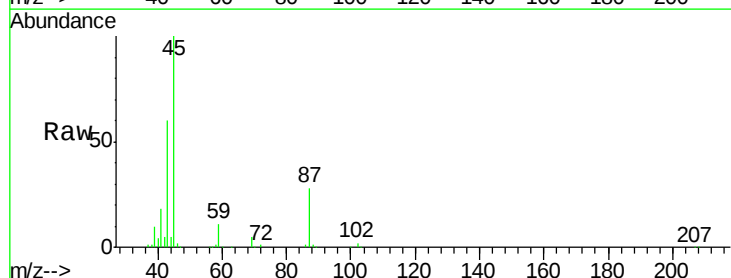
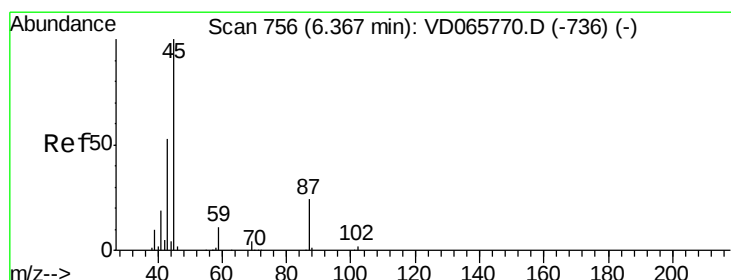
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.116 ug/l

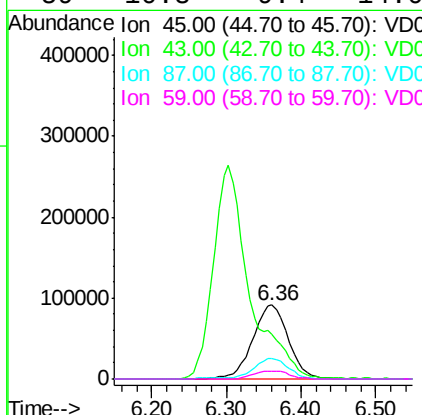
RT: 6.36 min Scan# 755

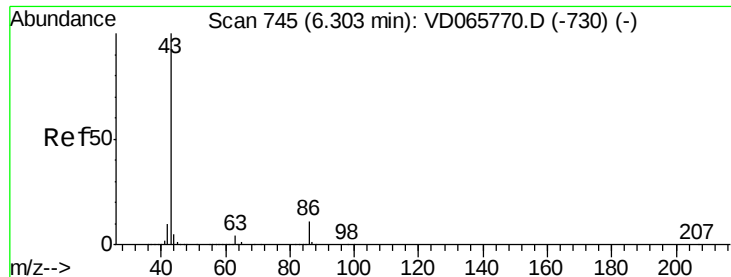
Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Tgt Ion:	45	Resp:	301938
Ion	Ratio	Lower	Upper
45	100		
43	58.9	43.4	65.0
87	27.6	20.2	30.4
59	10.8	9.4	14.0





#23

Vinyl Acetate

Concen: 245.588 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

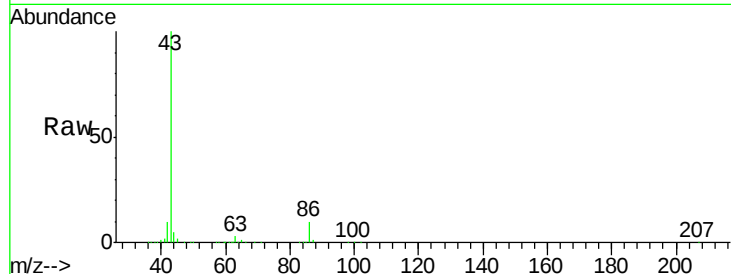
Tot Ion: 43 Resp: 888719

Ion Ratio Lower Upper

43 100

86 9.9 8.5 12.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

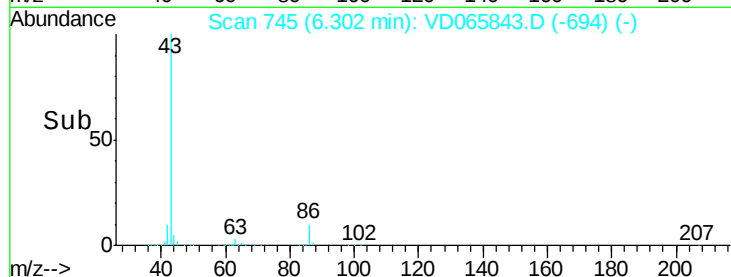
150000

100000

50000

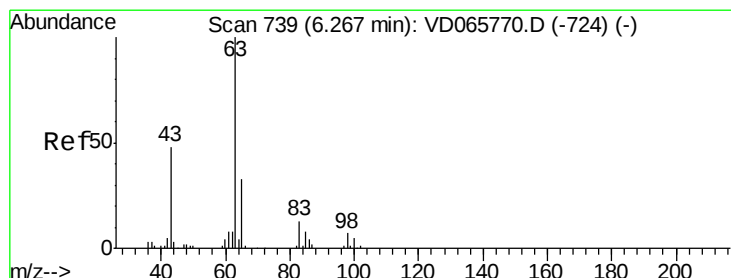
0

Time-->



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#24

1,1-Dichloroethane

Concen: 44.895 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

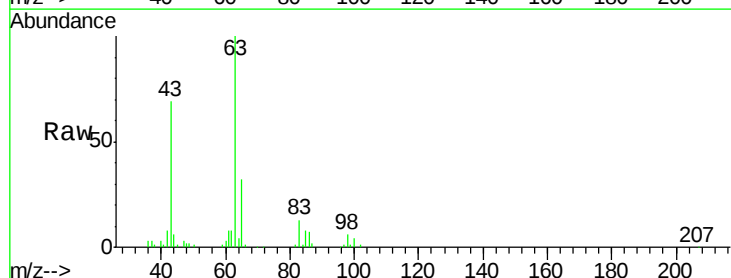
Tgt Ion: 63 Resp: 175299

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

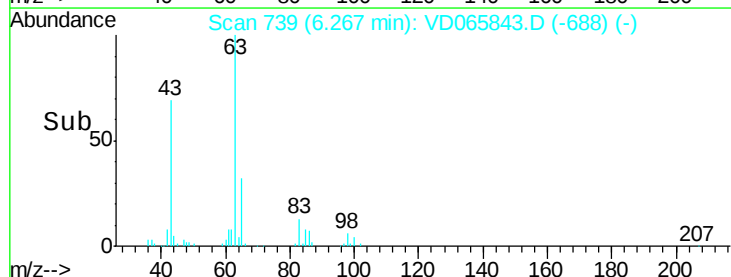
60000

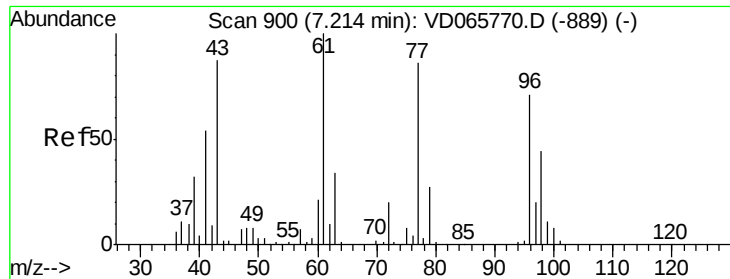
40000

20000

0

Time-->



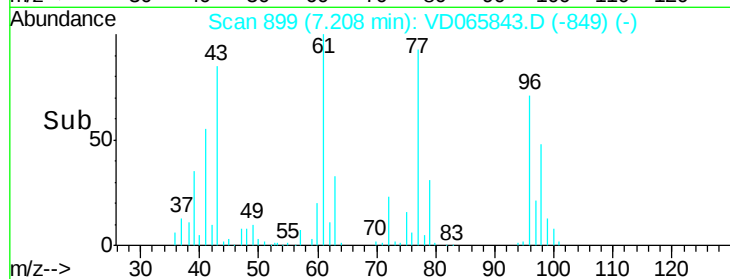
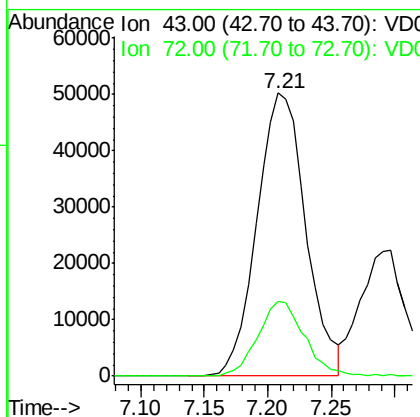
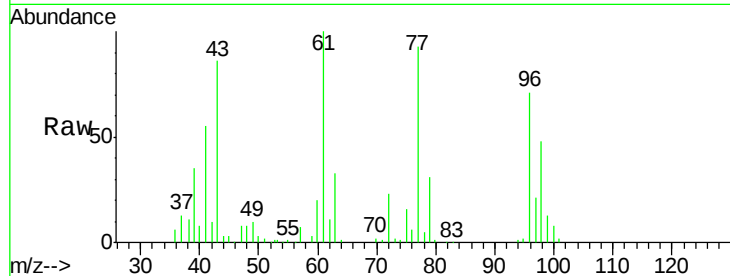


#25
2-Butanone
Concen: 247.341 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

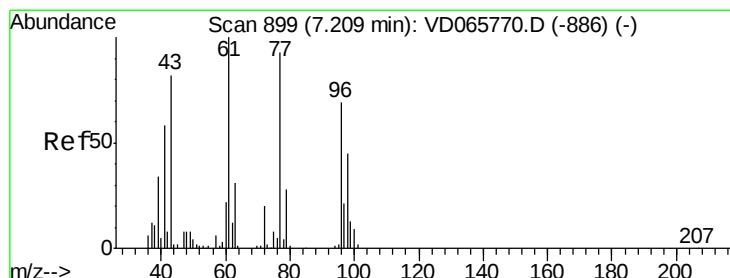
Tot Ion: 43 Resp: 134494
Ion Ratio Lower Upper
43 100
72 26.6 18.5 27.7

Manual Integrations
APPROVED



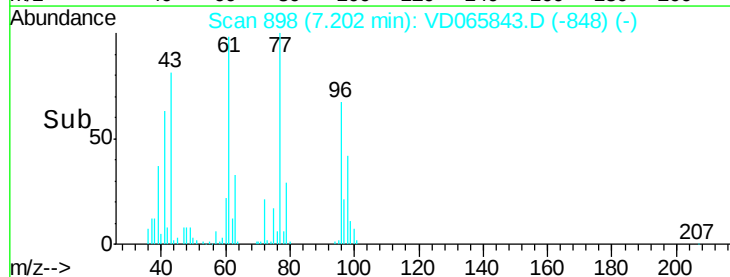
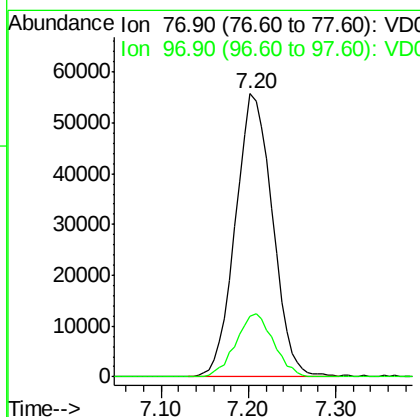
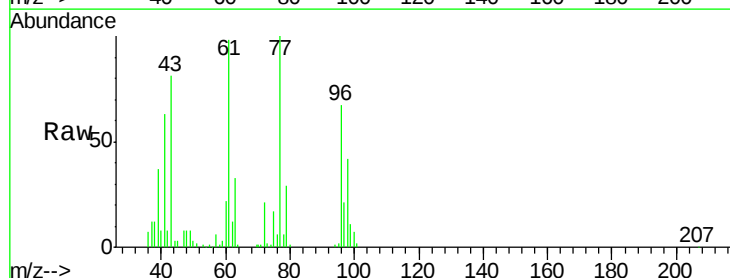
MMDadoda

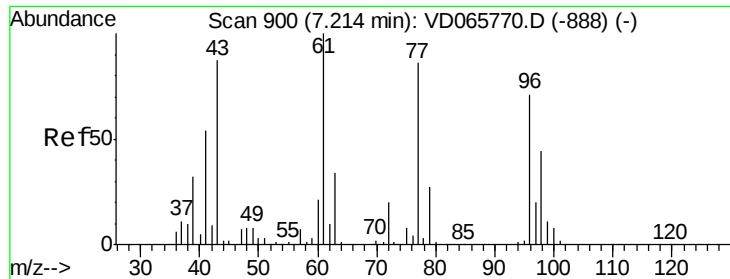
6/23/2020 11:02:25 AM



#26
2,2-Dichloropropane
Concen: 46.409 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 77 Resp: 160675
Ion Ratio Lower Upper
77 100
97 22.7 10.9 32.7





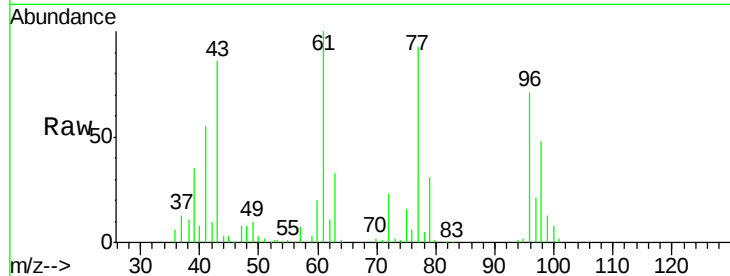
#27

cis-1,2-Dichloroethene
Concen: 46.274 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

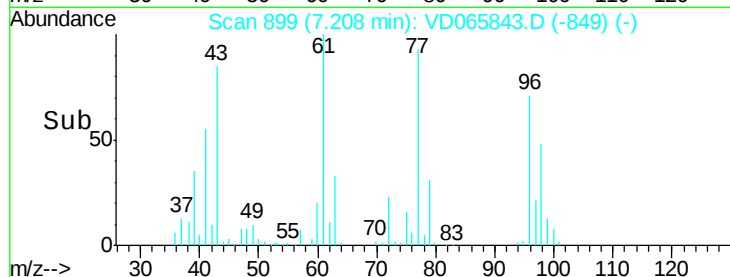
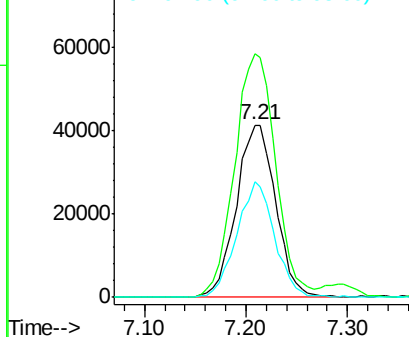
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.5	0.0	291.2	
98	64.5	0.0	128.8	

Manual Integrations
APPROVED

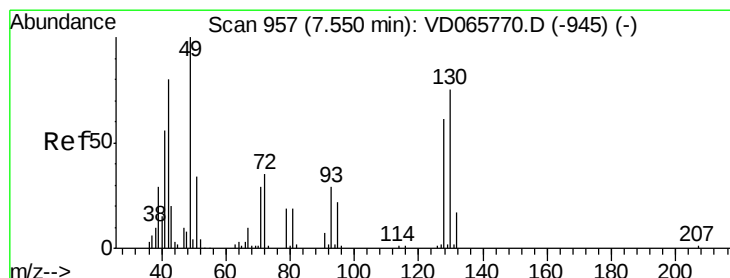


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



MMDadoda

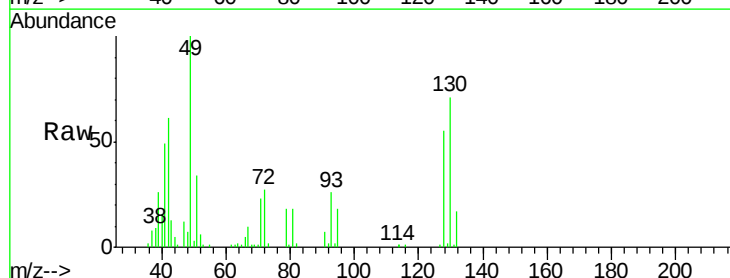
6/23/2020 11:02:25 AM



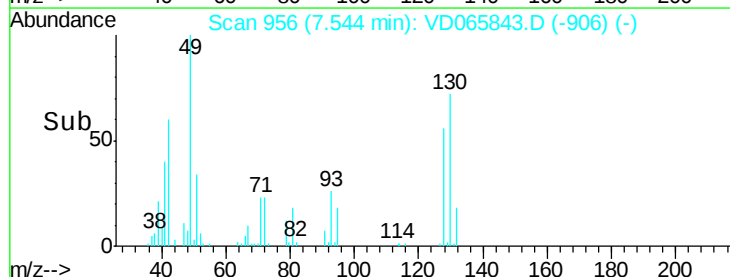
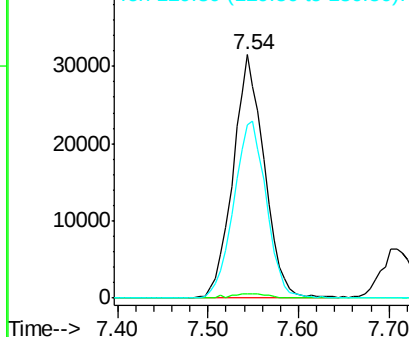
#28

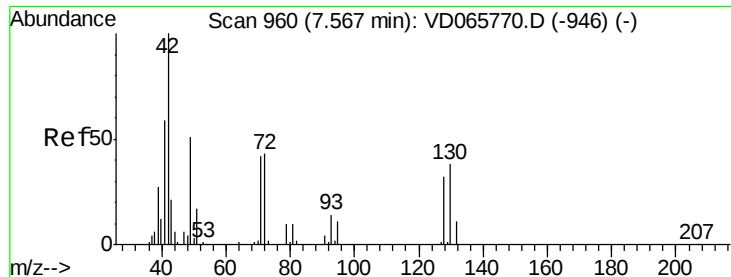
Bromochloromethane
Concen: 49.959 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	75.9	59.5	89.3	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC



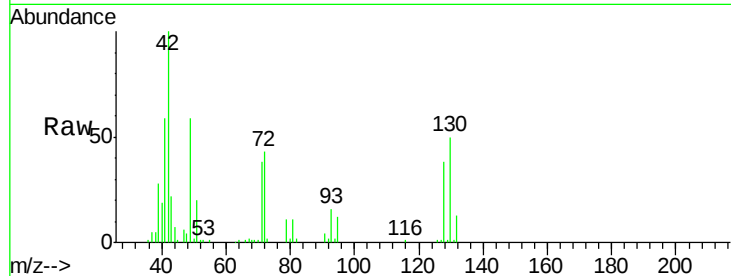


#29
Tetrahydrofuran
Concen: 233.226 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

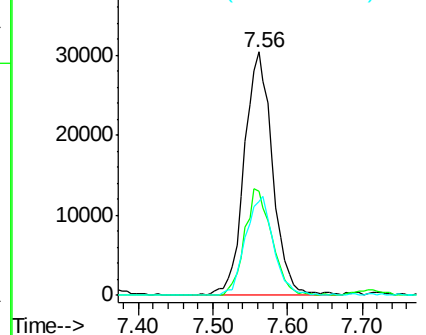
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.9	52.3
71	40.1	31.2	46.8

Manual Integrations
APPROVED

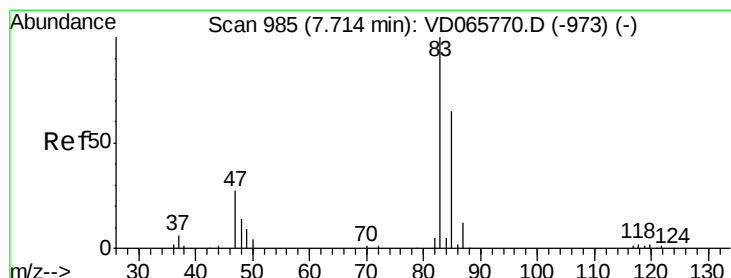
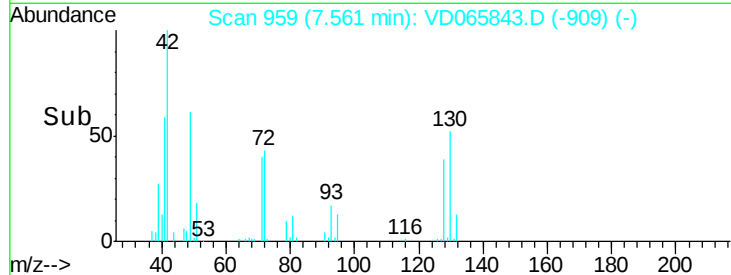


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



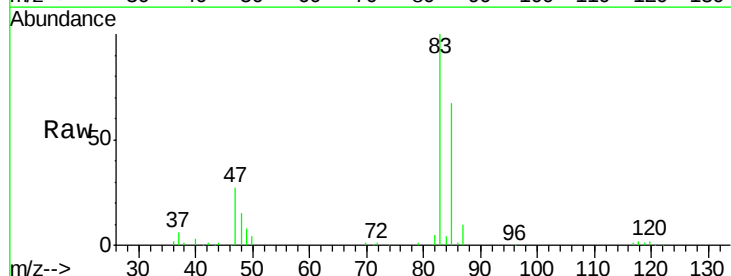
MMDadoda

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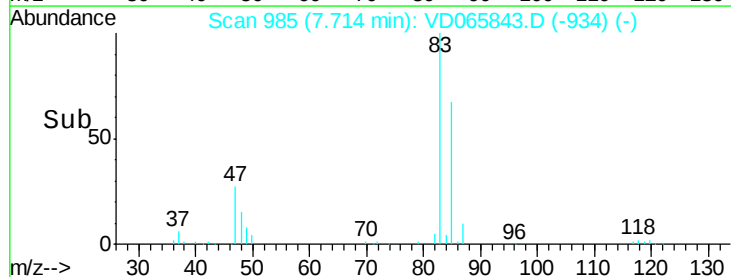
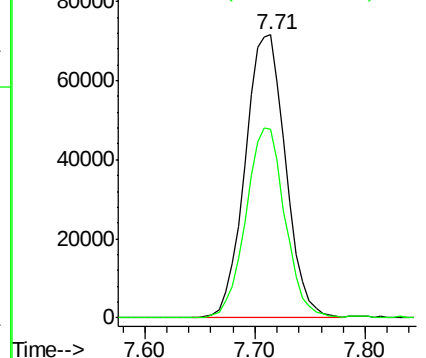


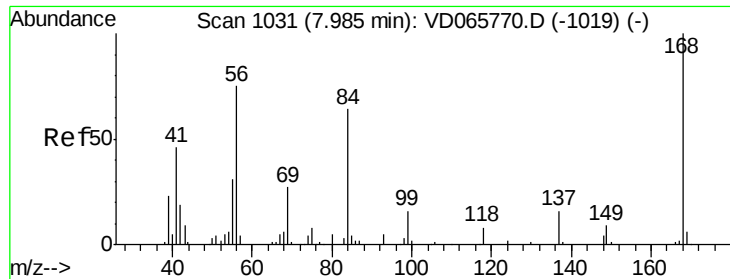
#30
Chloroform
Concen: 45.527 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.9	77.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC



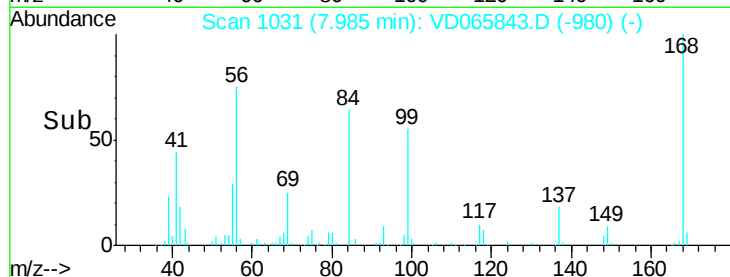
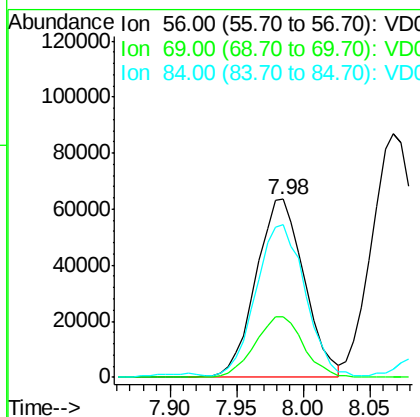
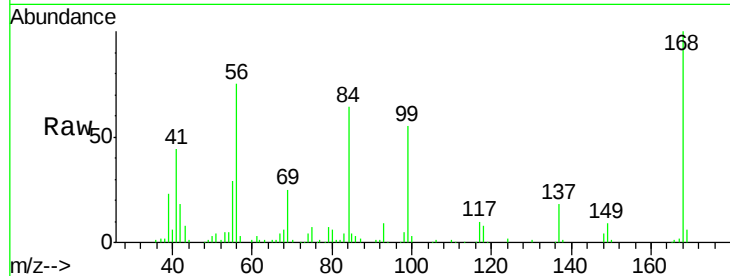


#31
Cyclohexane
Concen: 42.758 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

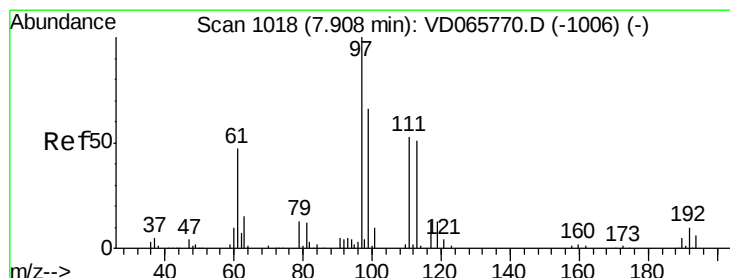
Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		160052		
69	33.8	28.5	42.7		
84	83.3	68.4	102.6		

Manual Integrations
APPROVED



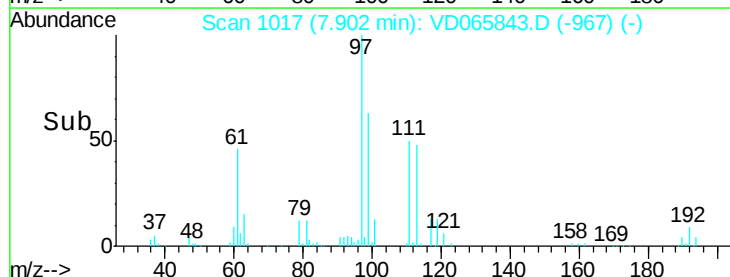
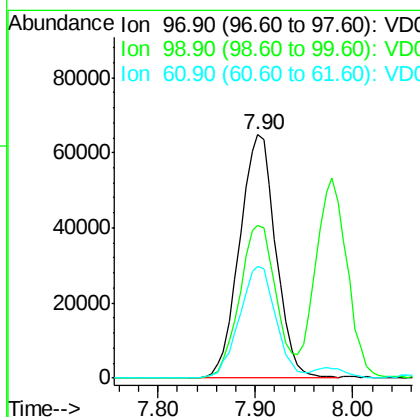
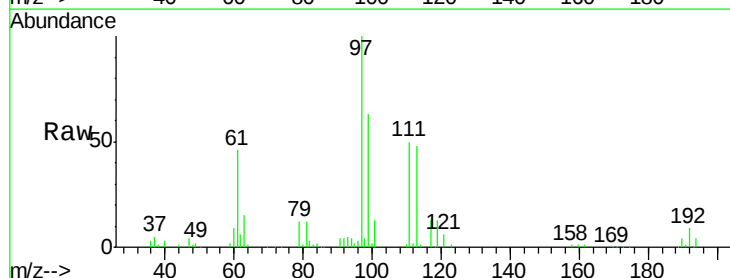
MMDadoda

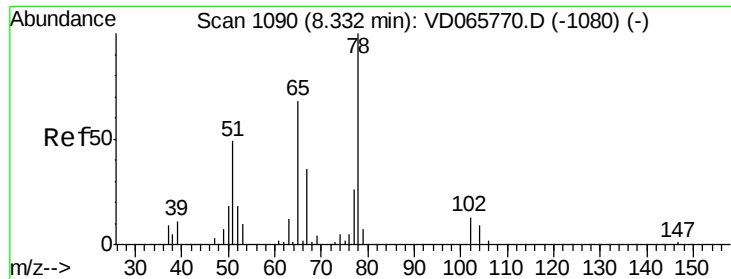
6/23/2020 11:02:25 AM



#32
1,1,1-Trichloroethane
Concen: 45.277 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		168497		
99	63.8	49.2	73.8		
61	46.3	36.0	54.0		



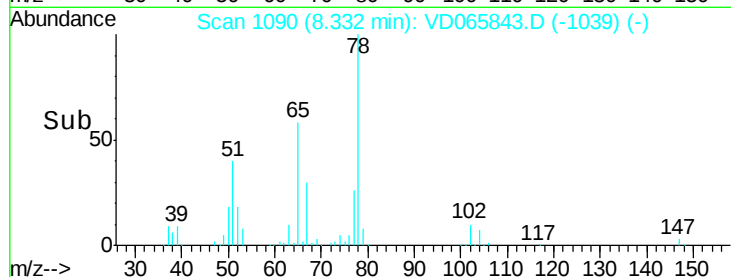
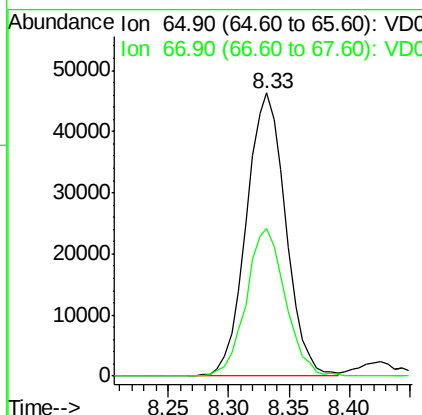
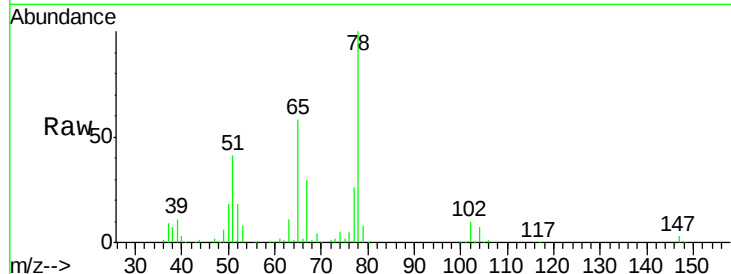


#33
 1,2-Dichloroethane-d4
 Concen: 50.172 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

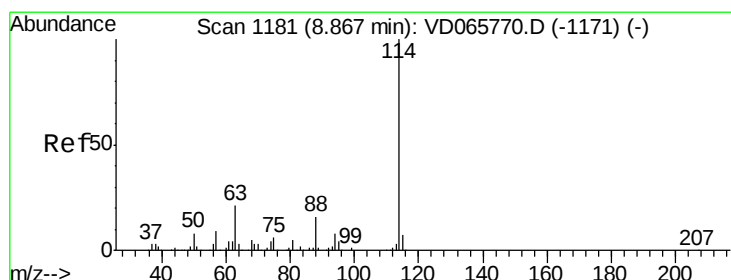
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

Manual Integrations
 APPROVED



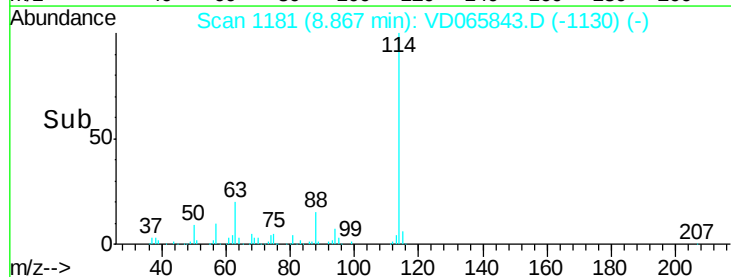
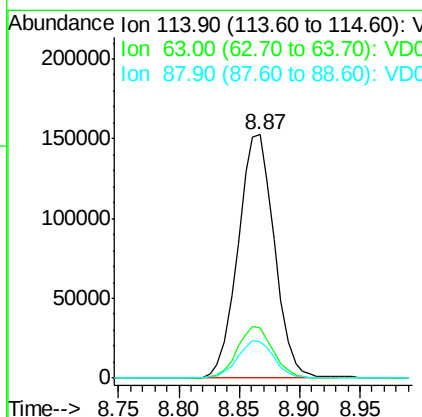
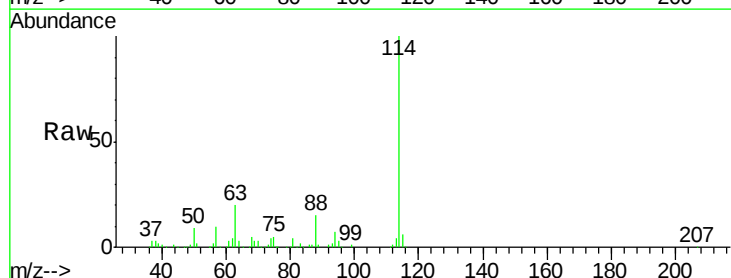
MMDadoda

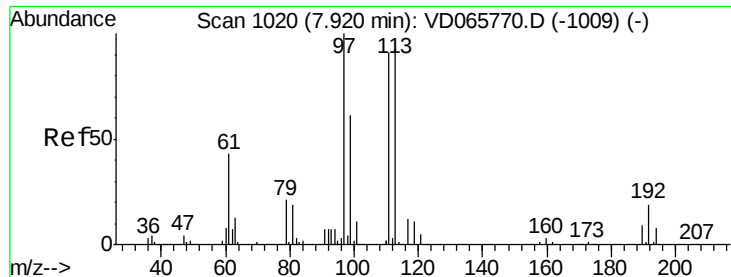
6/23/2020 11:02:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.8
88	15.0	0.0	32.0



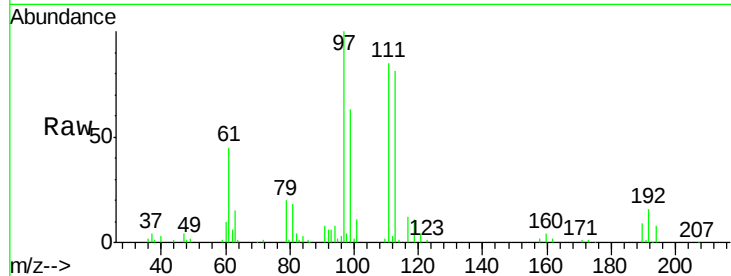


#35
Dibromofluoromethane
Concen: 50.263 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

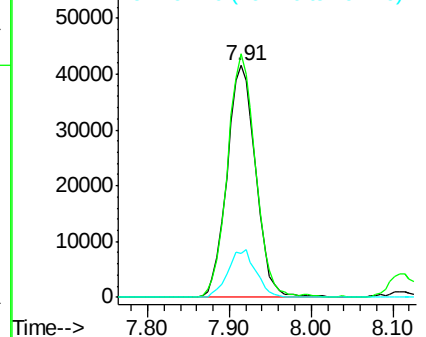
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101590		
111	102.9	83.4	125.0	
192	20.0	15.7	23.5	

Manual Integrations
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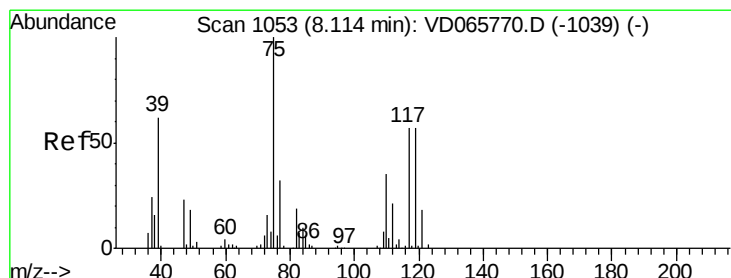
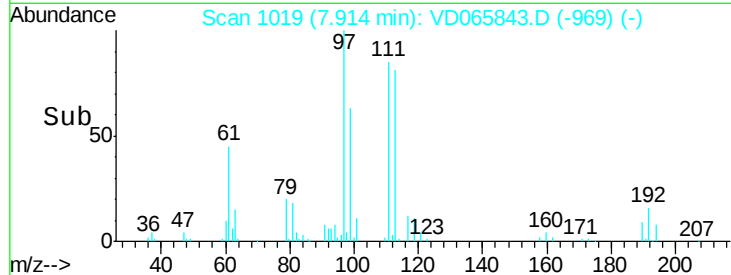


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



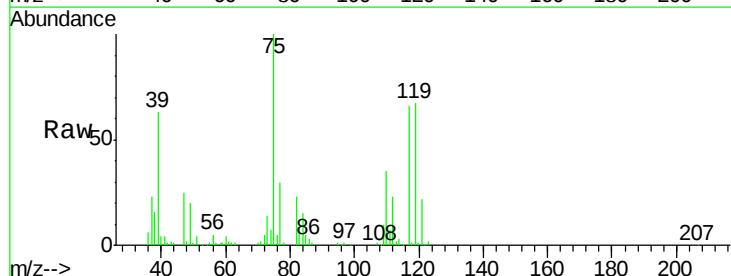
MMDadoda

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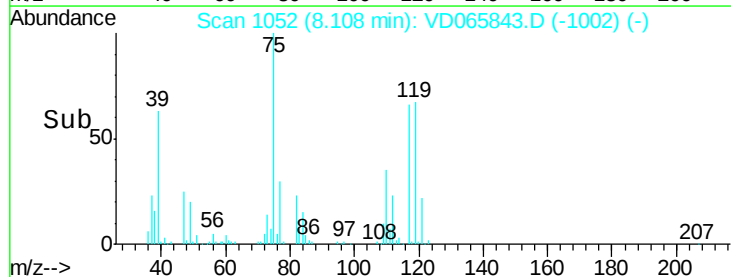
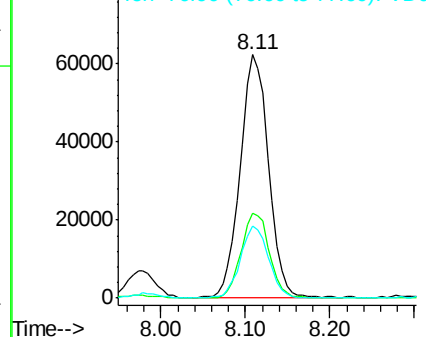


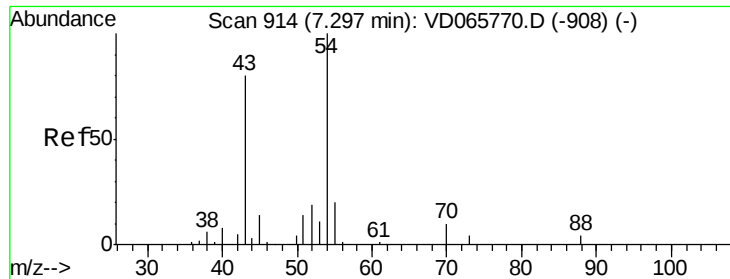
#36
1,1-Dichloropropene
Concen: 47.351 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145139		
110	34.6	17.6	52.8	
77	29.6	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC



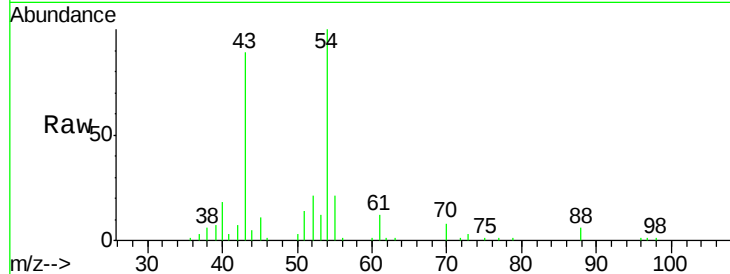


#37
Ethyl Acetate
Concen: 47.622 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

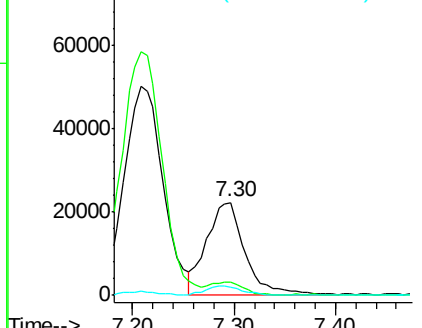
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	9.8	7.5	11.3

Manual Integrations
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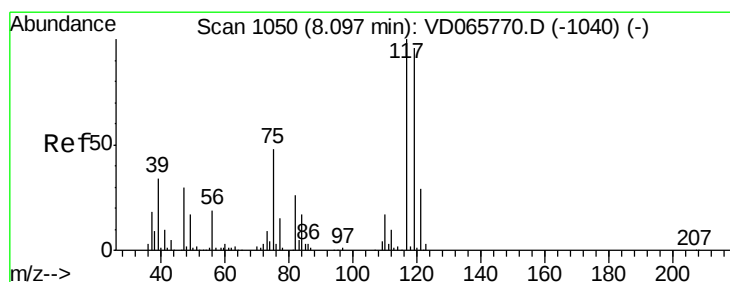
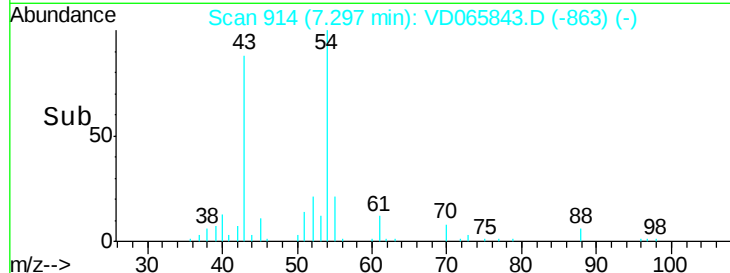


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



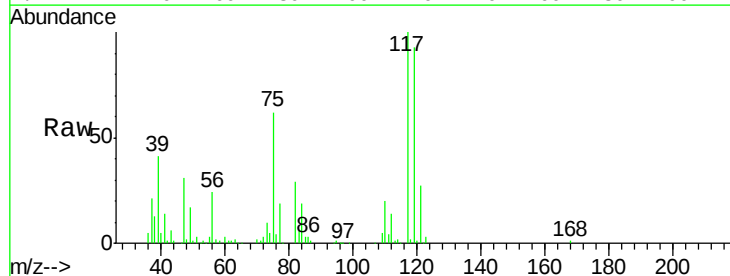
MMDadoda

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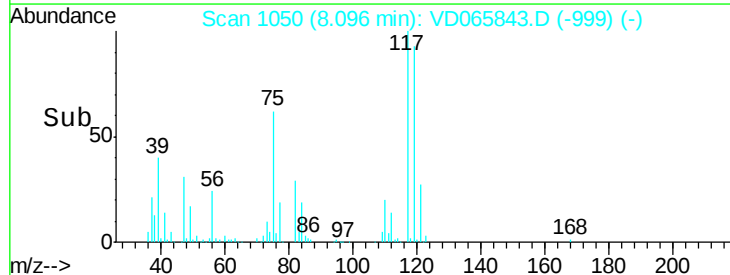
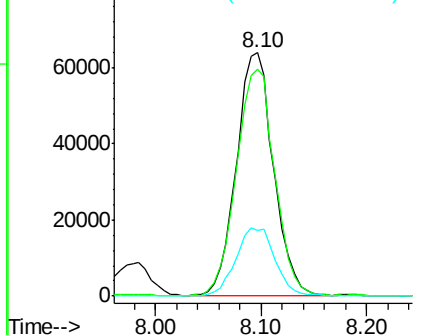


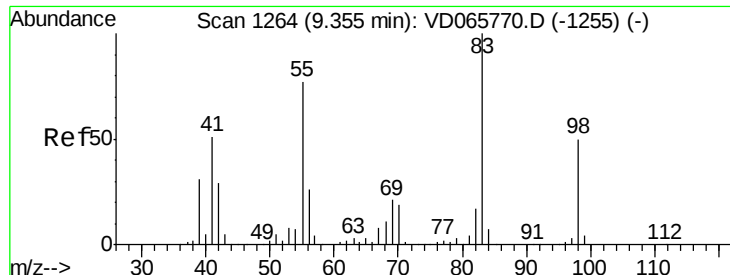
#38
Carbon Tetrachloride
Concen: 48.508 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.8	115.2
121	27.2	23.4	35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



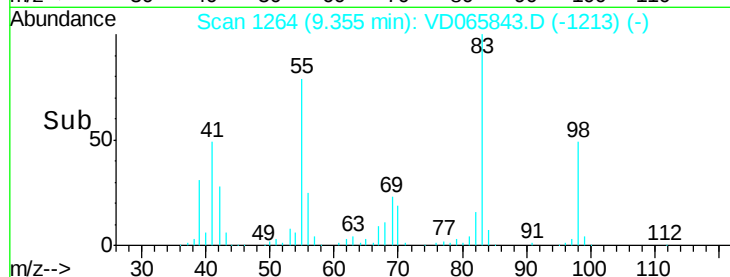
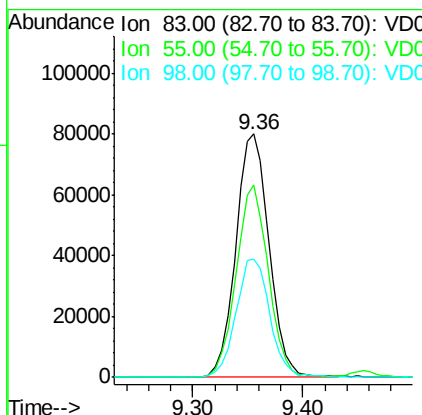
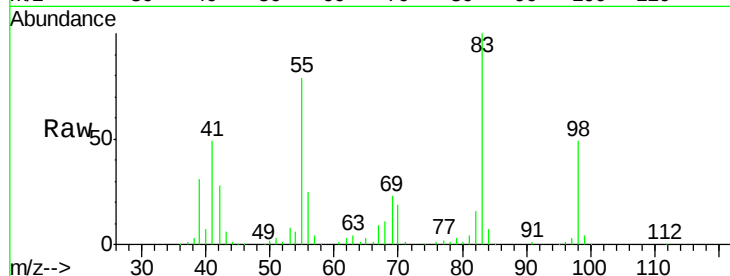


#39
Methvlcvclohexane
Concen: 46.528 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

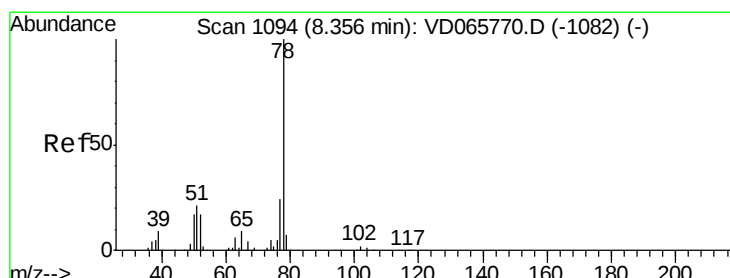
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.6	92.4
98	48.7	40.2	60.2

Manual Integrations
APPROVED



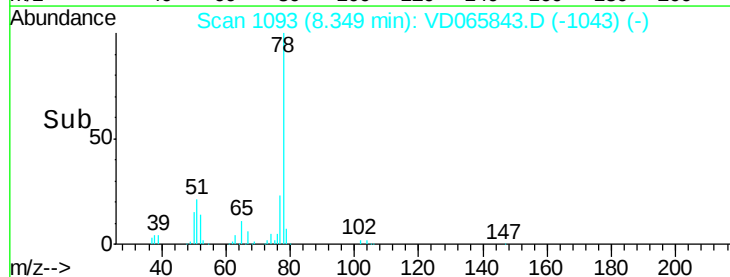
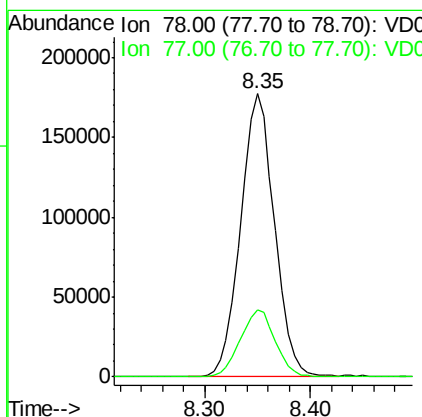
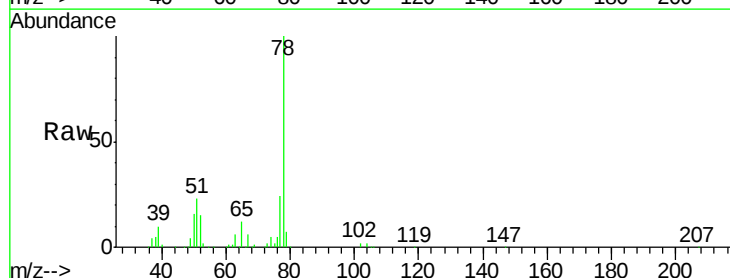
MMDadoda

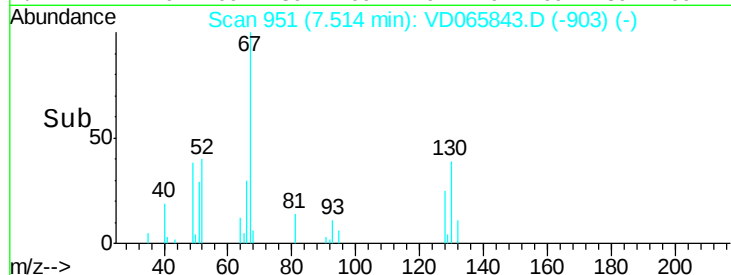
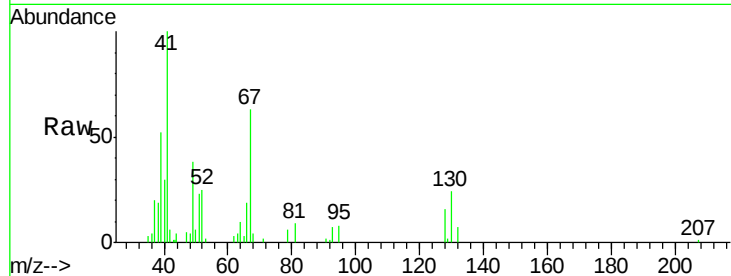
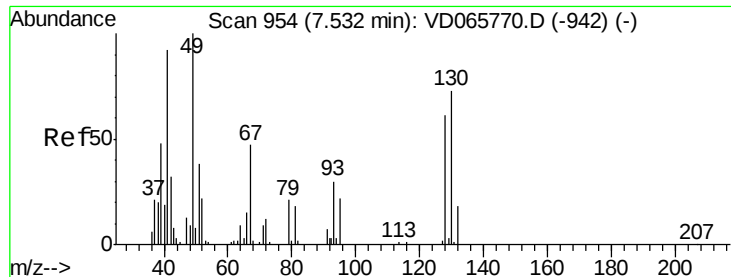
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#40
Benzene
Concen: 47.071 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8



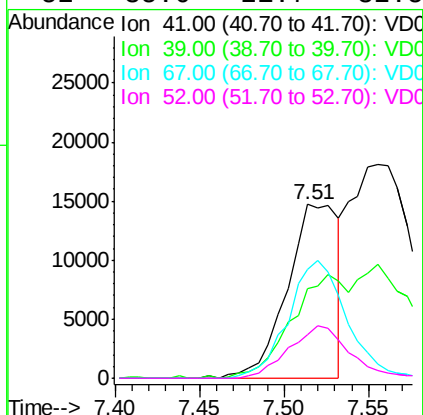


#41
Methacrylonitrile
Concen: 43.120 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.02 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.8	38.3	57.5#
67	77.2	49.8	74.6#
52	35.6	21.7	32.5#

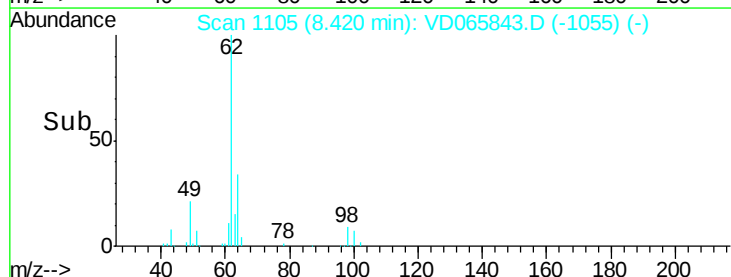
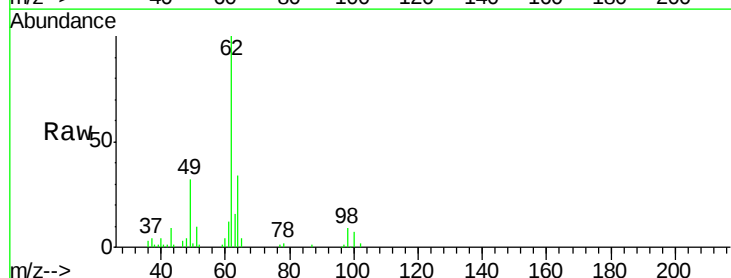
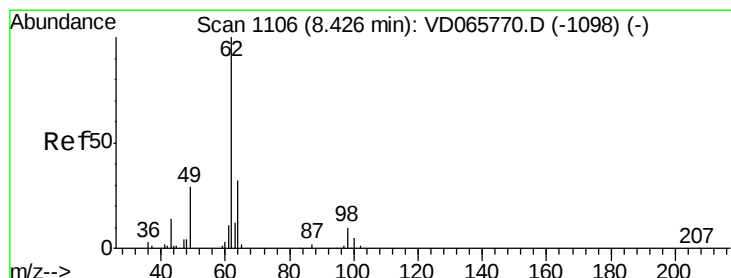
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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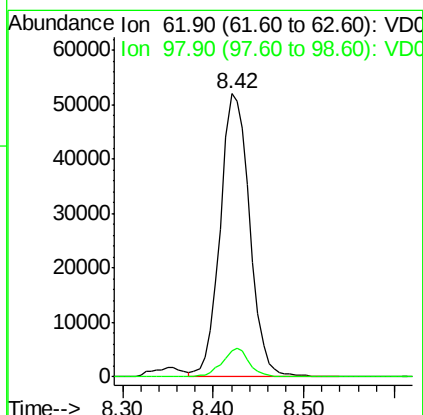
MMDadoda

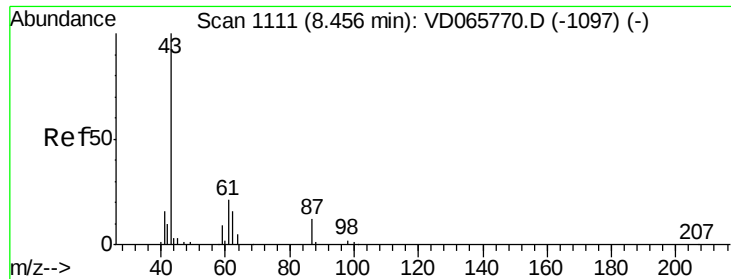
6/23/2020 11:02:25 AM



#42
1,2-Dichloroethane
Concen: 46.540 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



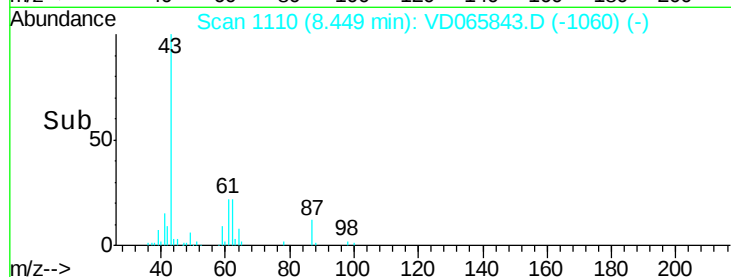
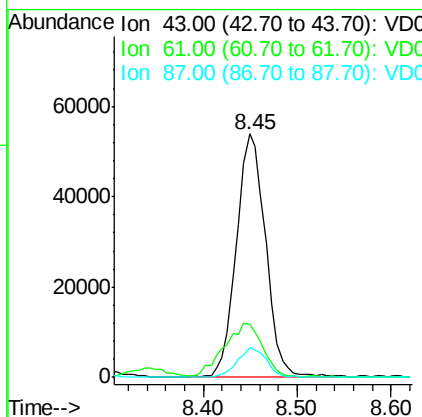
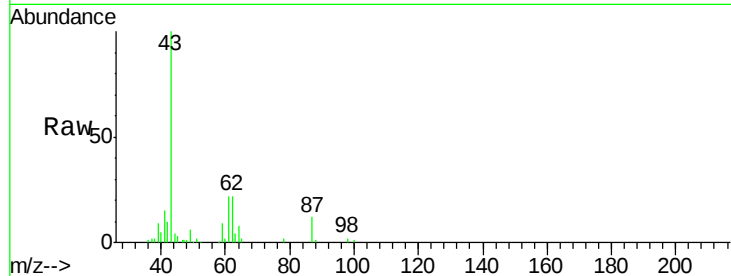


#43
Isopropyl Acetate
Concen: 48.522 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

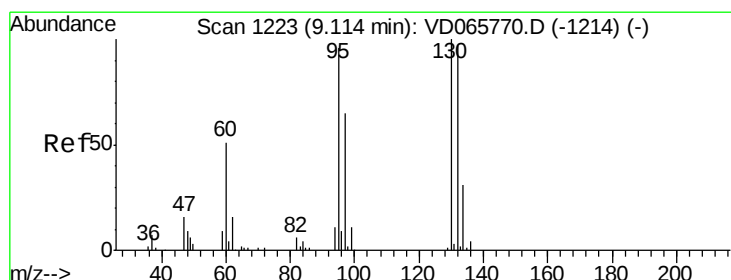
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	24.2	36.4
87	12.0	9.5	14.3

Manual Integrations
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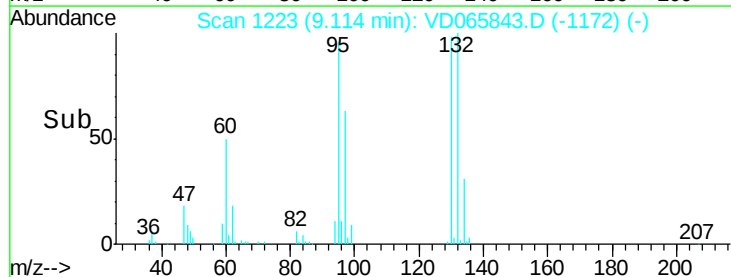
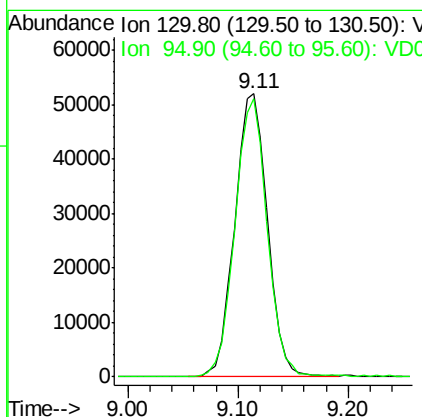
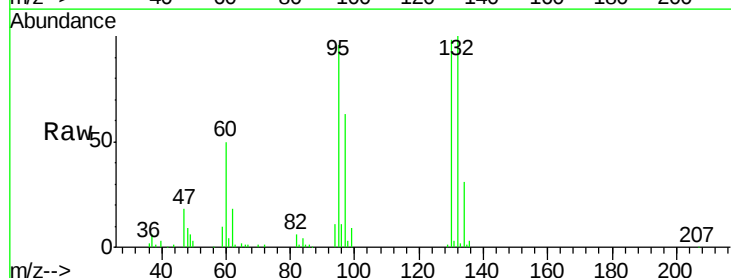
MMDadoda

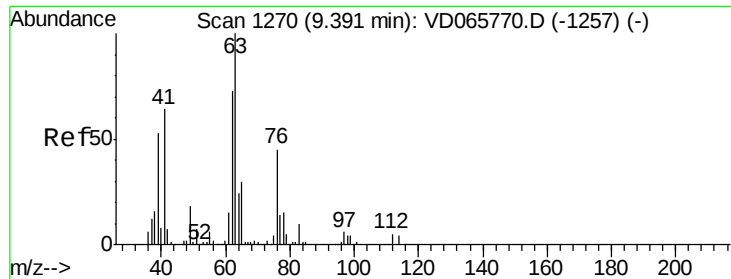
6/23/2020 11:02:25 AM



#44
Trichloroethene
Concen: 46.518 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	192.8



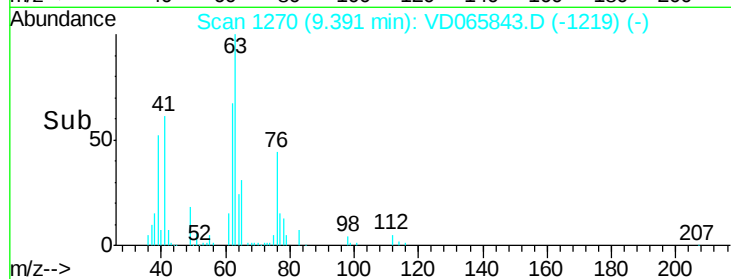
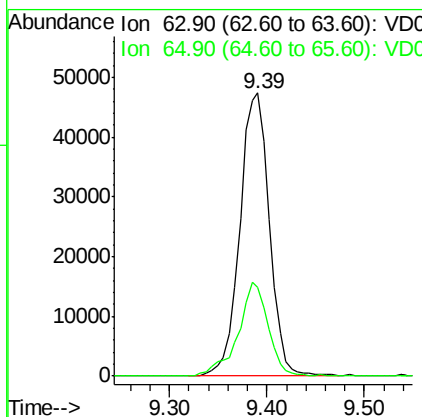
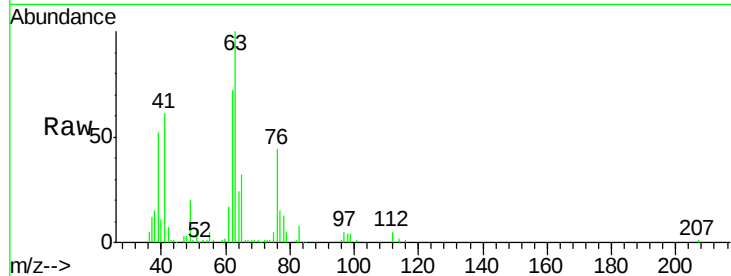


#45
 1,2-Dichloropropane
 Concen: 47.521 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

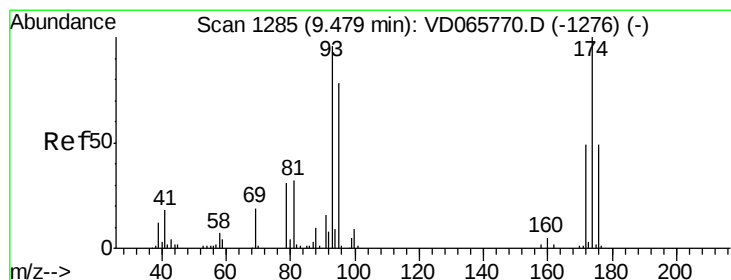
Tot Ion: 63 Resp: 100057
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.2

Manual Integrations
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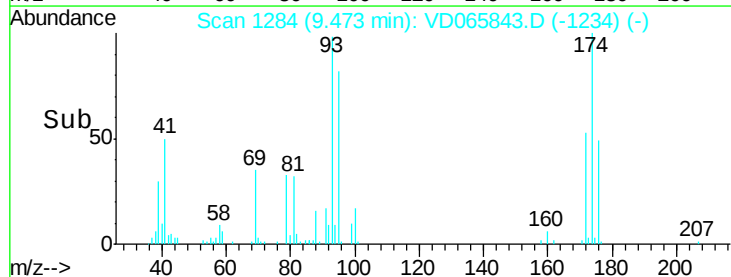
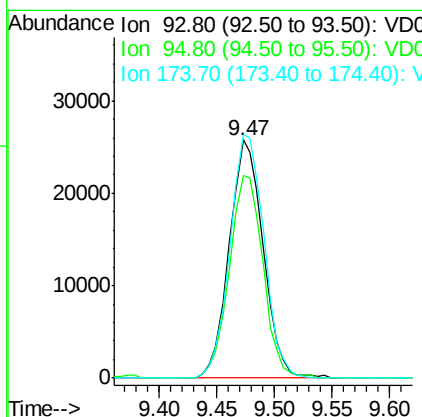
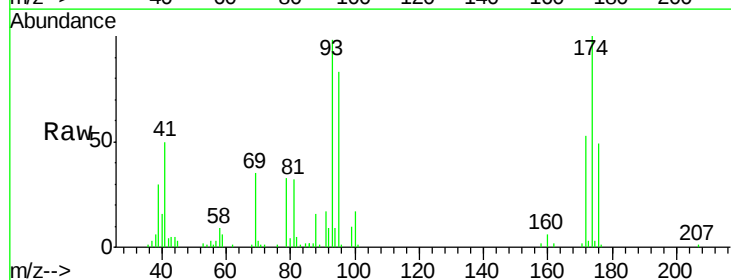
MMDadoda

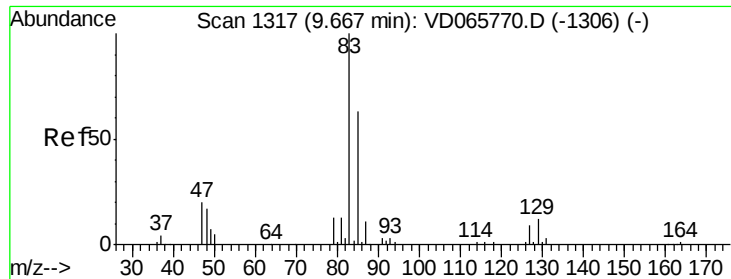
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#46
 Dibromomethane
 Concen: 45.813 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 93 Resp: 52315
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.8 98.6
 174 102.7 80.9 121.3



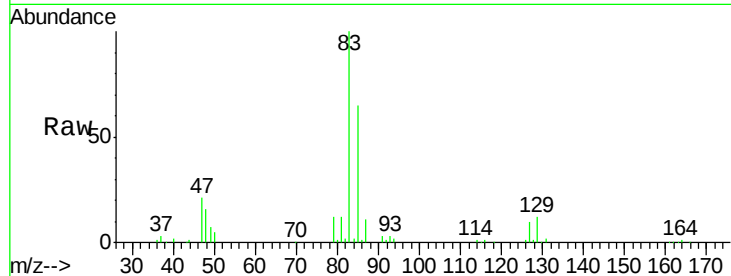


#47
Bromodichloromethane
Concen: 46.827 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

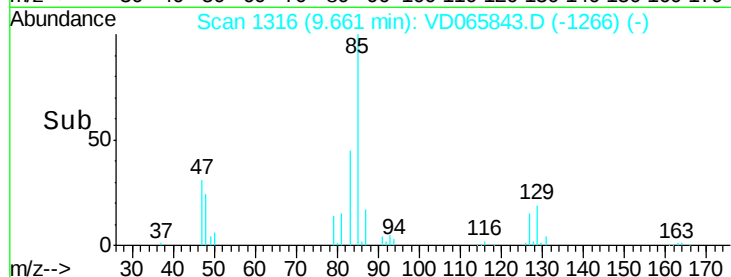
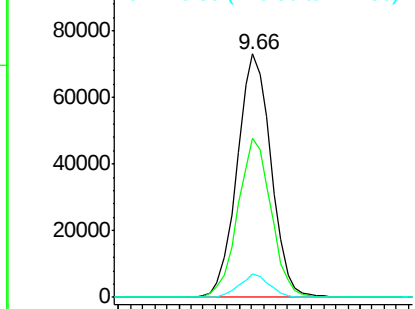
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1
127	9.6	7.1	10.7

Manual Integrations
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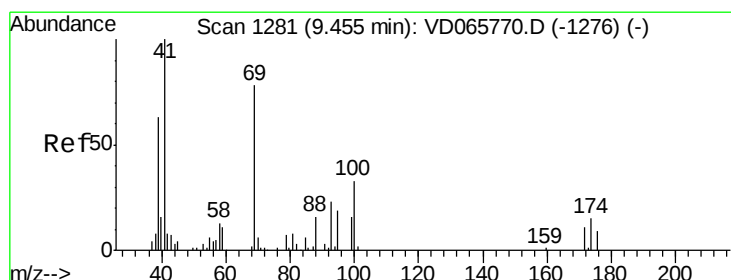


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



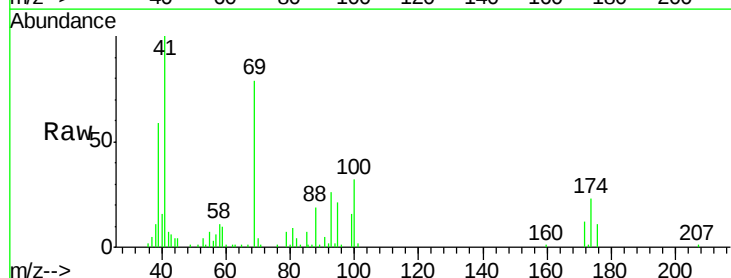
MMDadoda

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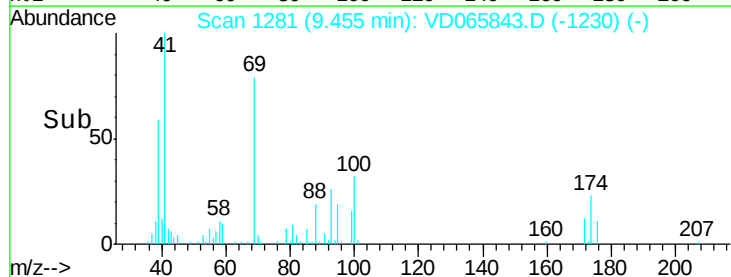
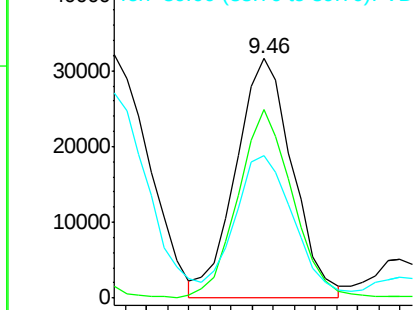


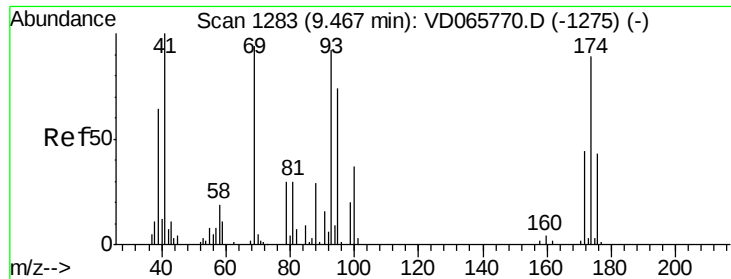
#48
Methyl methacrylate
Concen: 50.651 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.3	60.9	91.3
39	55.3	48.1	72.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC



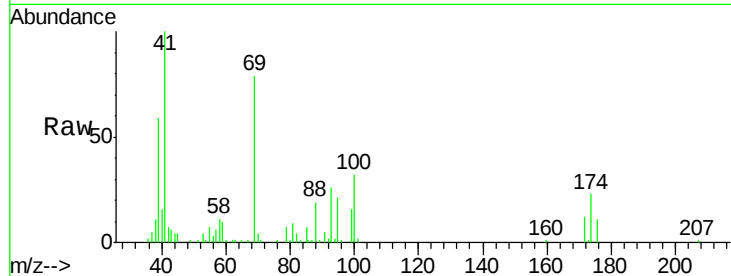


#49
1,4-Dioxane
Concen: 992.480 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	32.2	48.4
58	70.4	54.9	82.3

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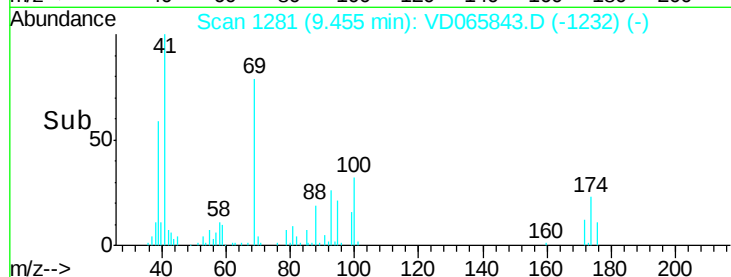
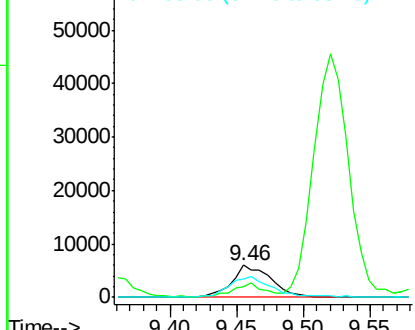


Abundance

Ion 88.00 (87.70 to 88.70): VDC

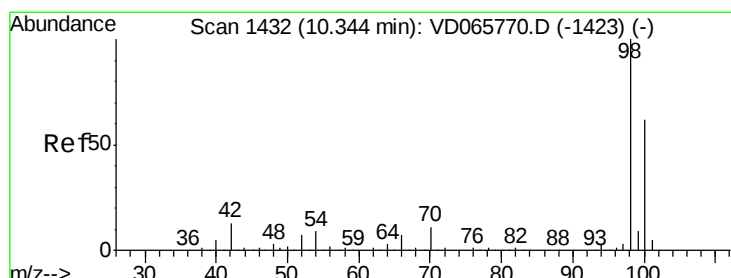
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



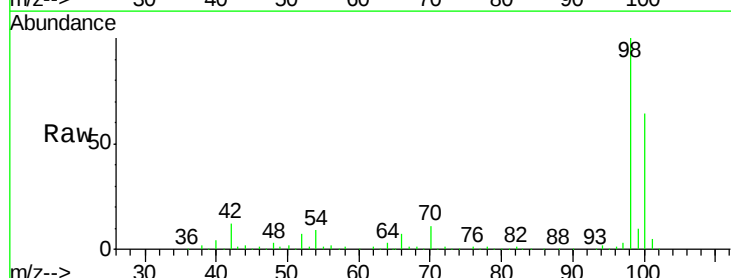
MMDadoda

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#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

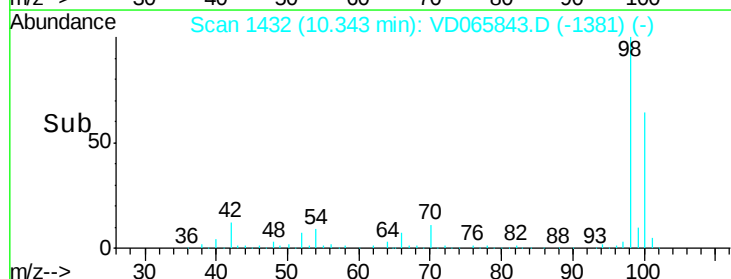
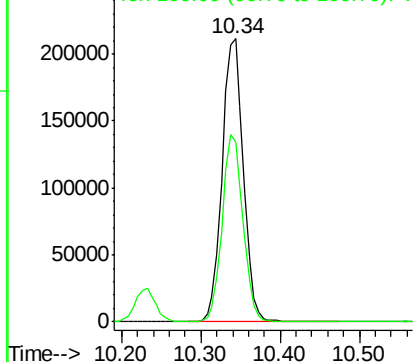
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2



Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 245.938 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

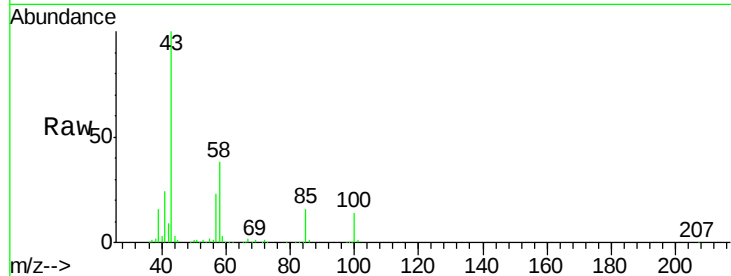
Tot Ion: 43 Resp: 289326

Ion Ratio Lower Upper

43 100

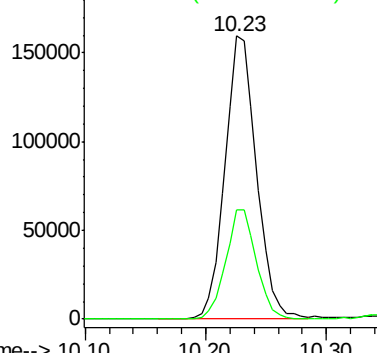
58 37.5 30.7 46.1

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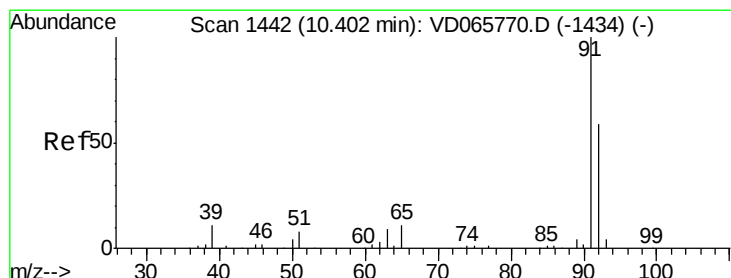
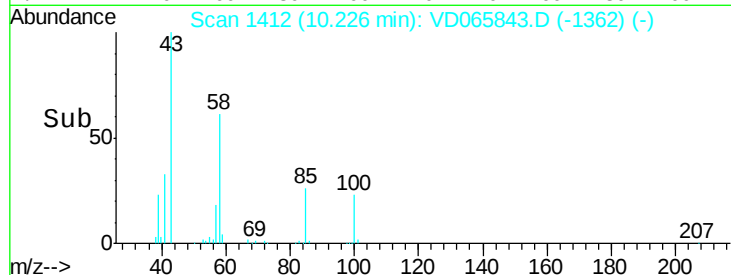
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



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#52

Toluene

Concen: 48.277 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065843.D

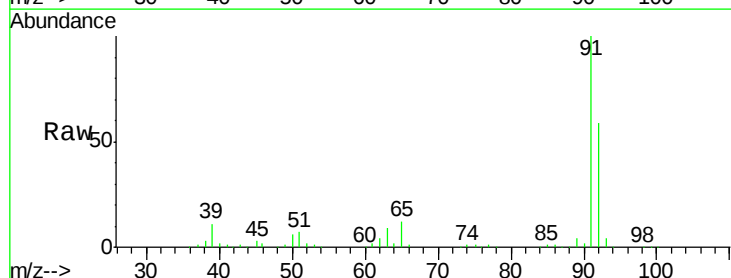
Acq: 22 Jun 2020 14:26

Tgt Ion: 92 Resp: 262855

Ion Ratio Lower Upper

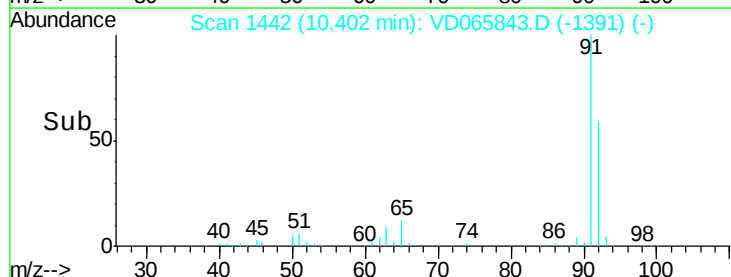
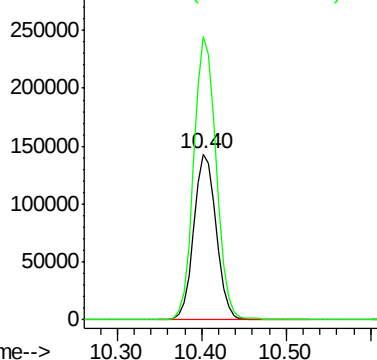
92 100

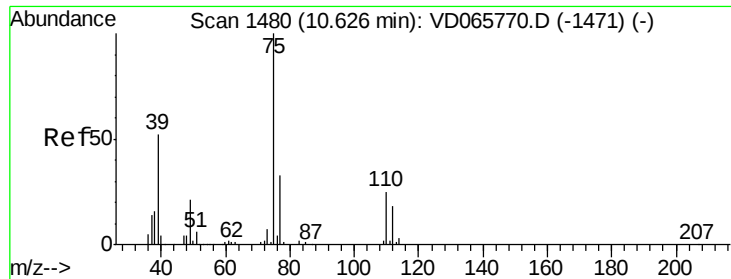
91 170.2 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



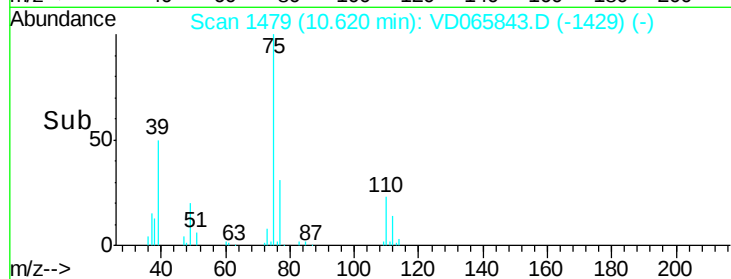
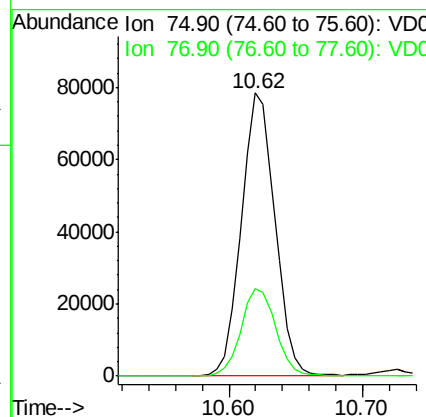
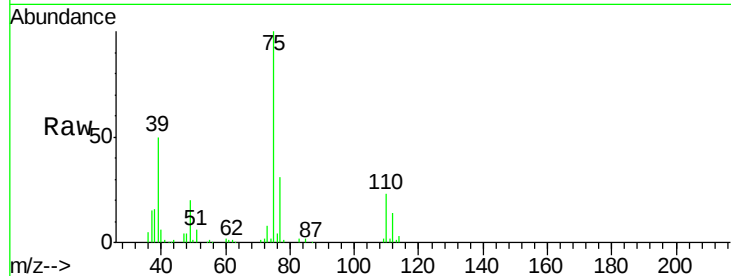


#53
t-1,3-Dichloropropene
Concen: 49.332 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

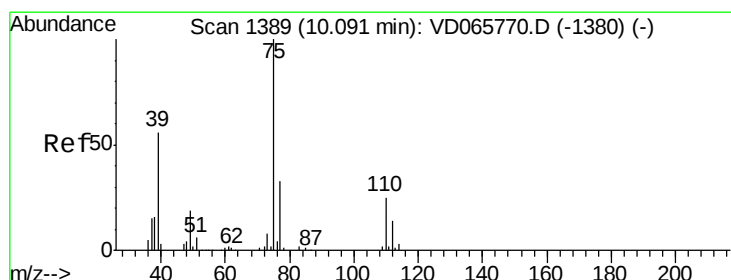
Tot Ion: 75 Resp: 136697
Ion Ratio Lower Upper
75 100
77 31.2 26.4 39.6

Manual Integrations
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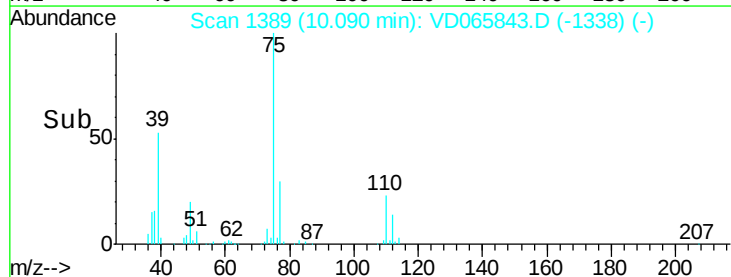
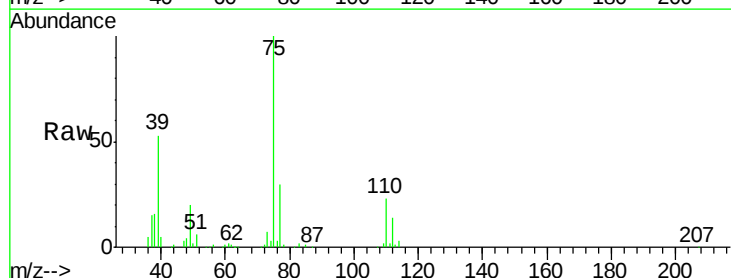
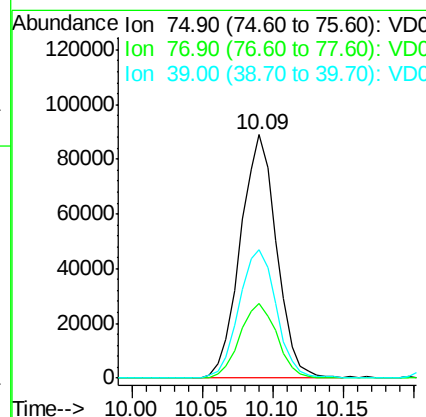
MMDadoda

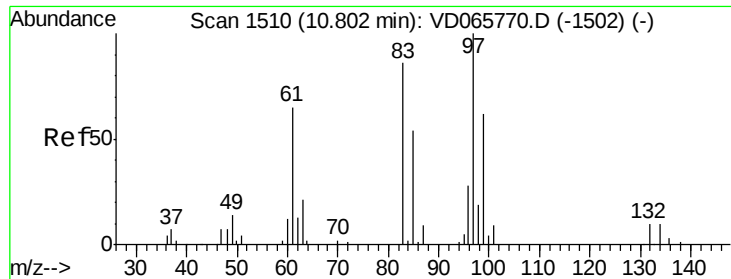
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#54
cis-1,3-Dichloropropene
Concen: 48.793 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 75 Resp: 159678
Ion Ratio Lower Upper
75 100
77 30.4 26.0 39.0
39 53.0 45.0 67.6



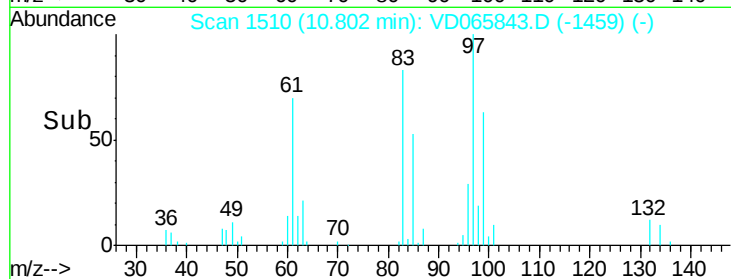
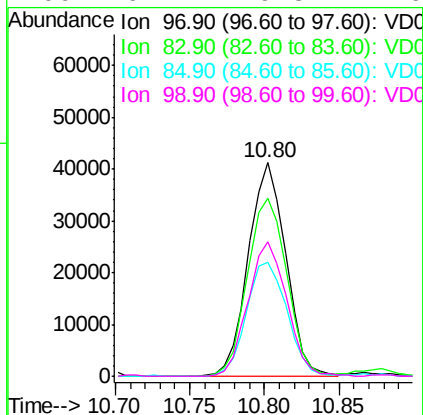
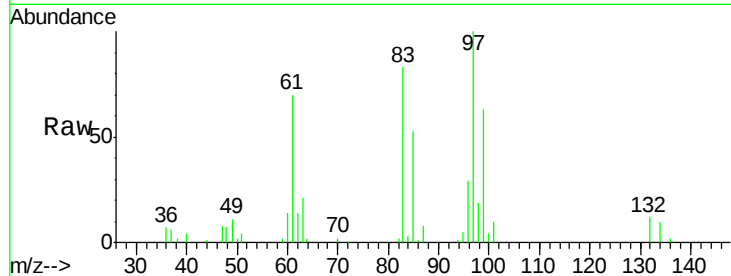


#55
 1,1,2-Trichloroethane
 Concen: 46.995 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

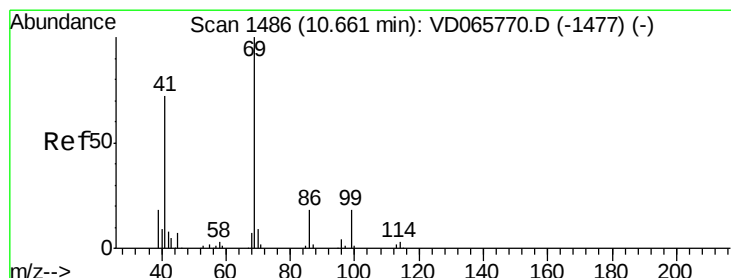
Tot Ion:	97	Resp:	71704
Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.7	103.1
85	53.3	43.0	64.6
99	62.7	49.8	74.6

Manual Integrations
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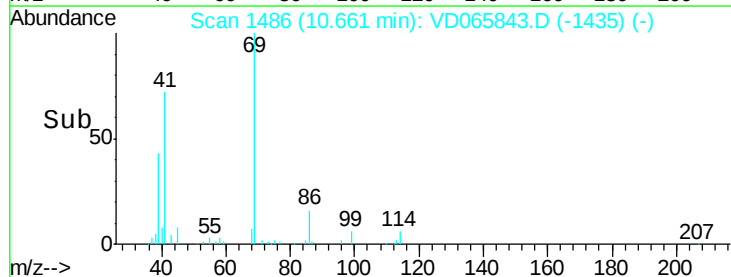
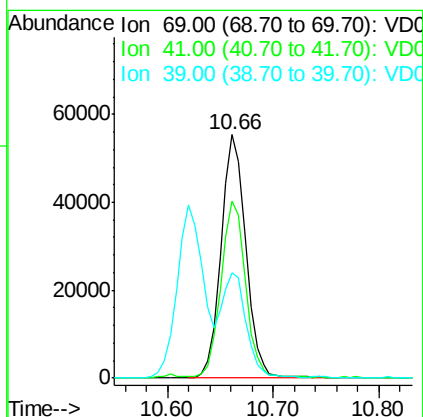
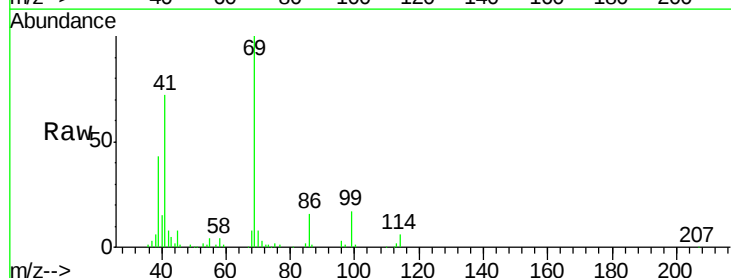
MMDadoda

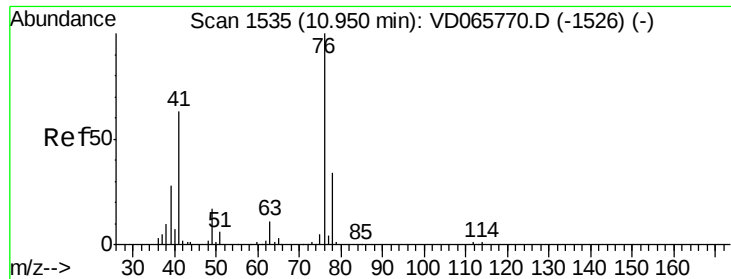
6/23/2020 11:02:25 AM



#56
 Ethyl methacrylate
 Concen: 50.476 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion:	69	Resp:	90586
Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.9	85.3
39	42.3	36.0	54.0



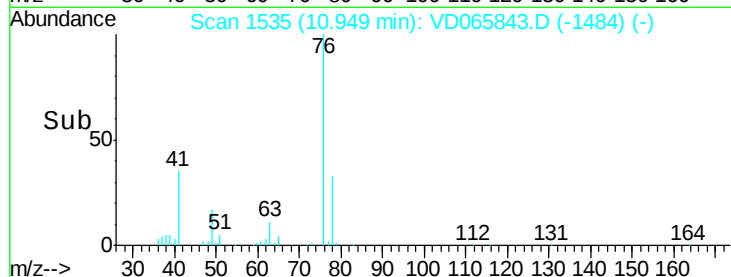
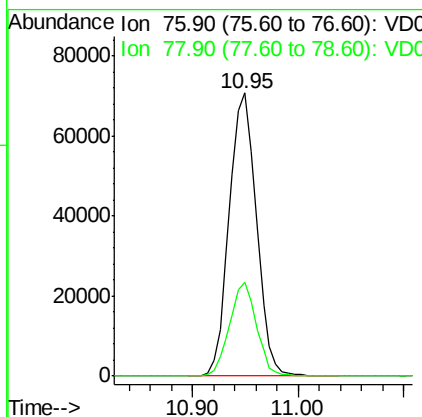
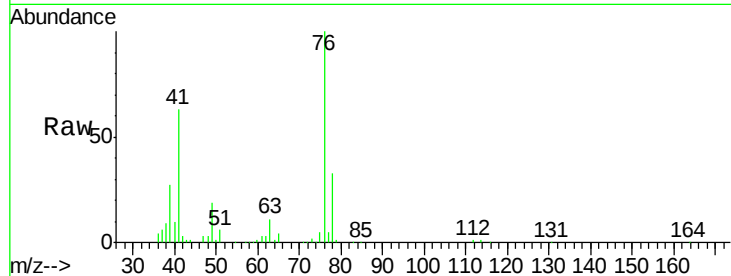


#57
 1,3-Dichloropropane
 Concen: 47.796 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

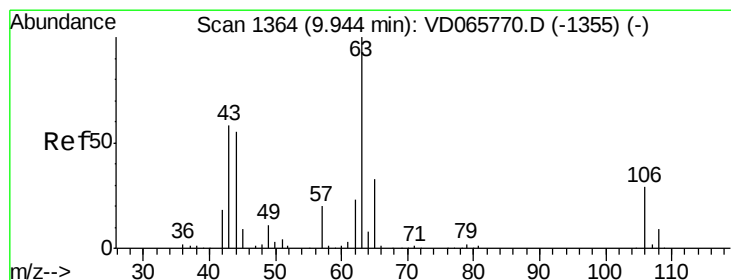
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5

Manual Integrations
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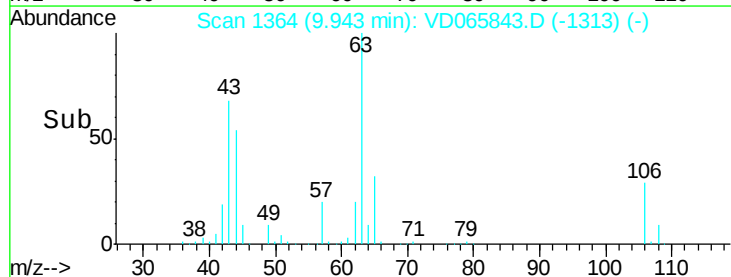
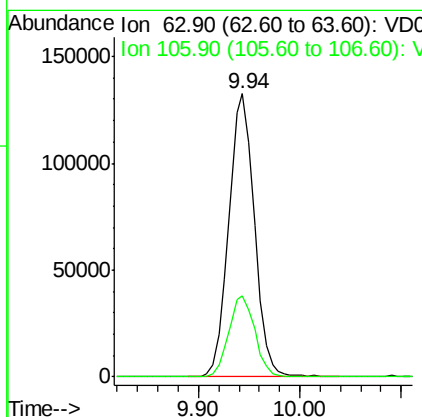
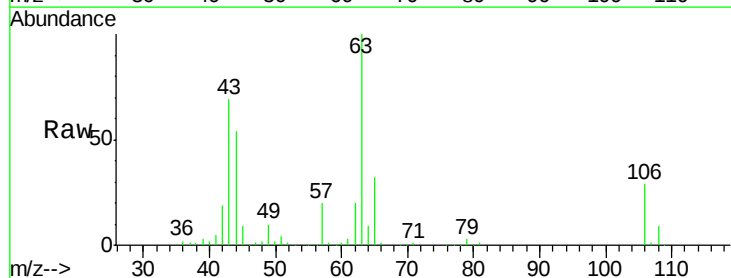
MMDadoda

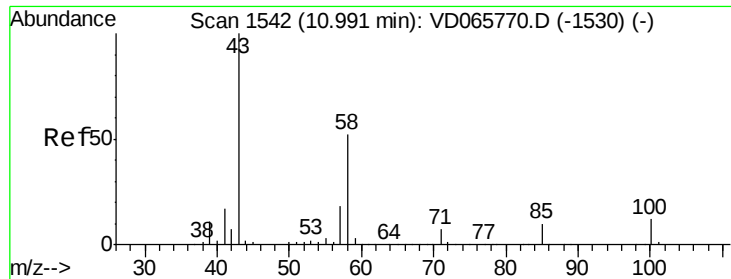
6/23/2020 11:02:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.174 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.2	34.8



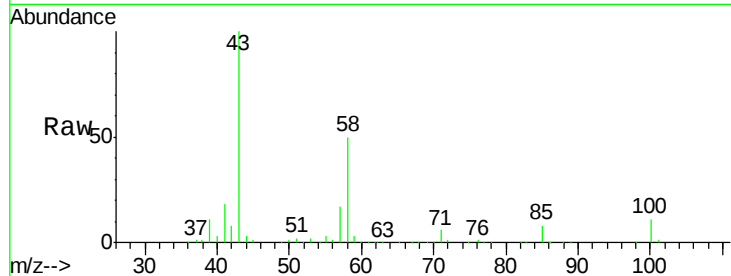


#59
2-Hexanone
Concen: 268.416 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

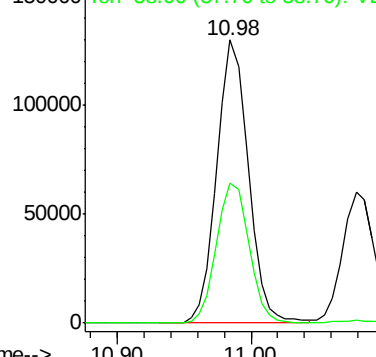
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 212889
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0

Manual Integrations
APPROVED

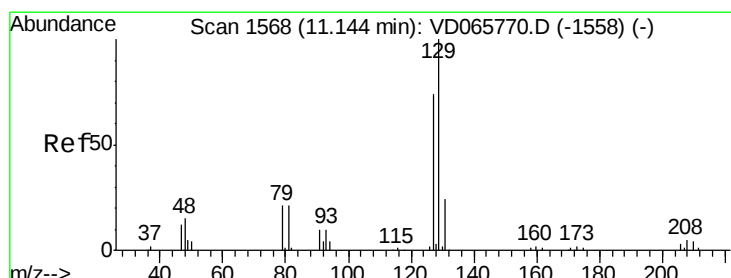
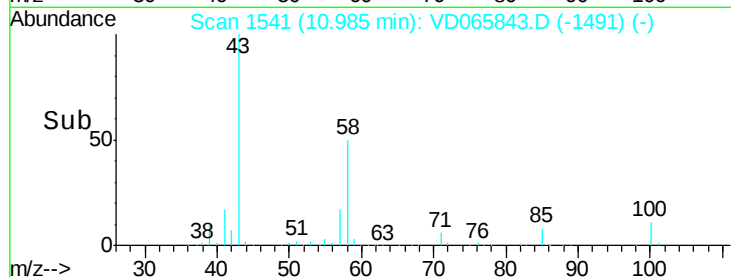


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



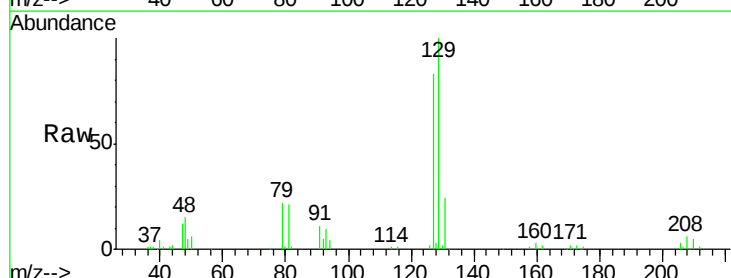
MMDadoda

6/23/2020 11:02:25 AM

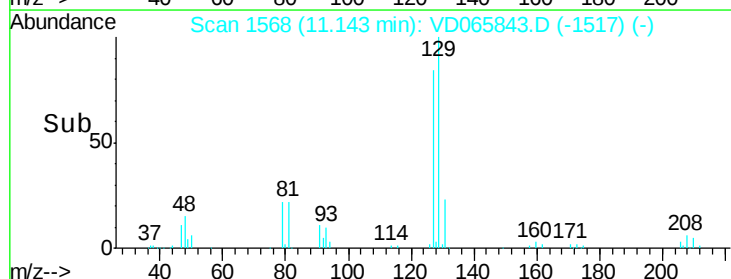
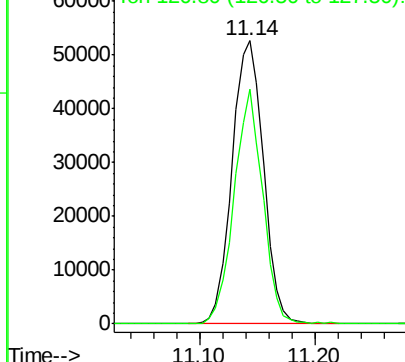


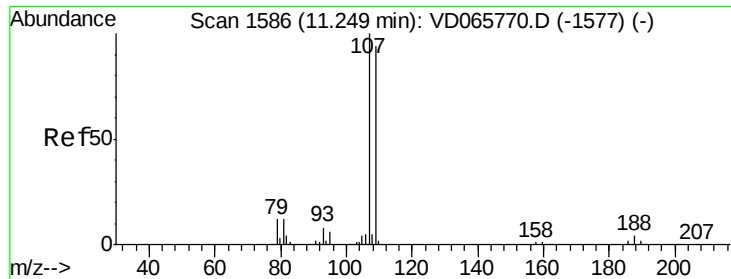
#60
Dibromochloromethane
Concen: 48.085 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:129 Resp: 99112
Ion Ratio Lower Upper
129 100
127 75.6 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



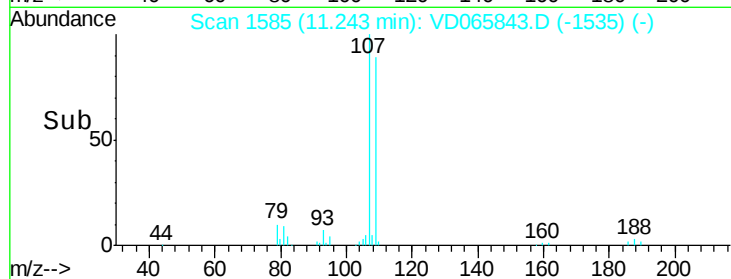
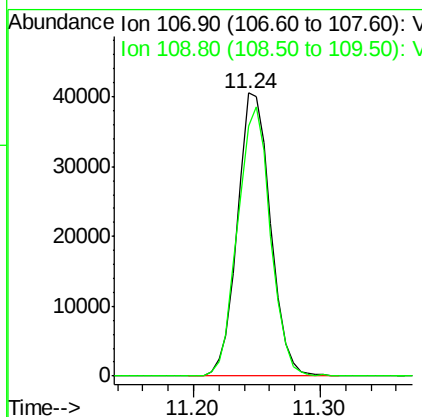
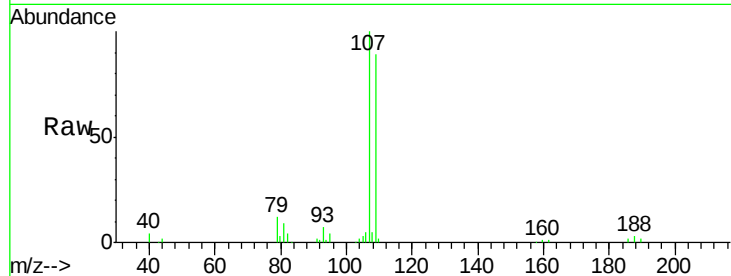


#61
 1,2-Dibromoethane
 Concen: 48.889 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

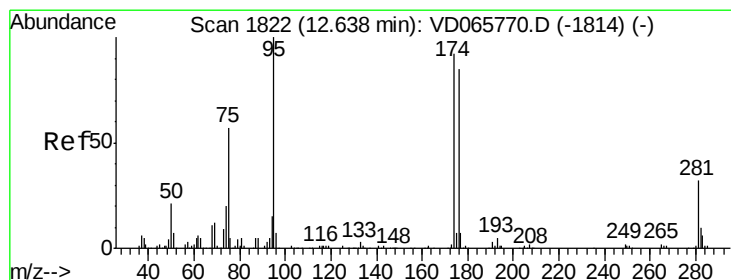
Tot Ion: 107 Resp: 73308
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.4 111.6

Manual Integrations
 APPROVED



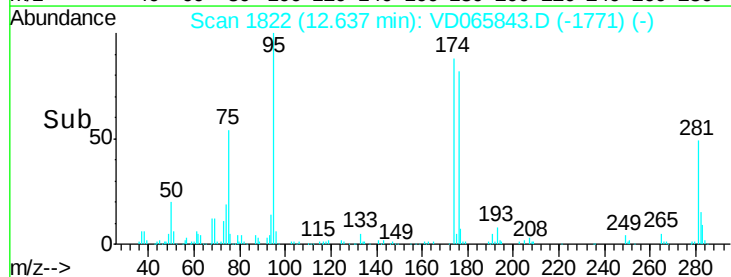
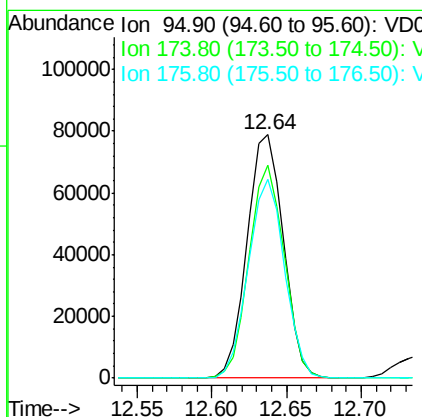
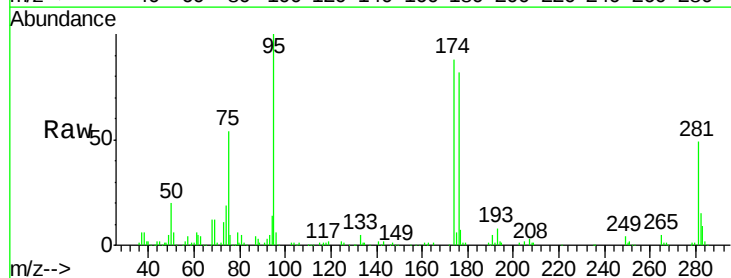
MMDadoda

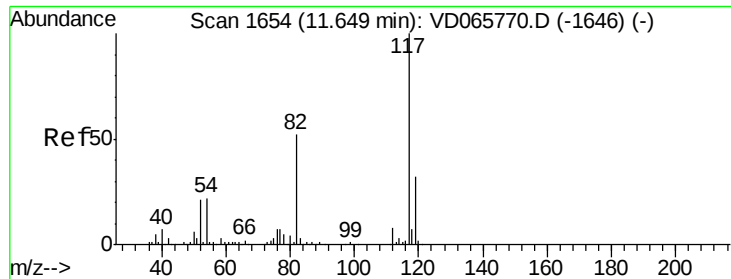
6/23/2020 11:02:25 AM



#62
 4-Bromofluorobenzene
 Concen: 51.944 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion: 95 Resp: 132766
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 175.2
 176 81.5 0.0 163.0



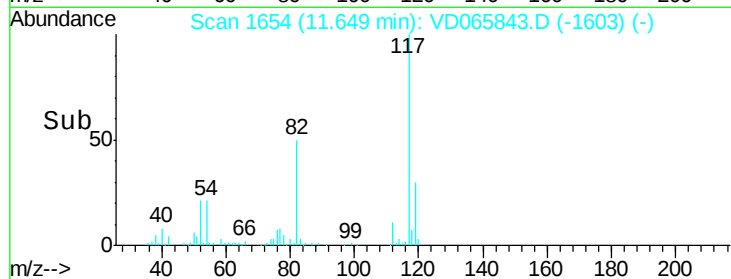
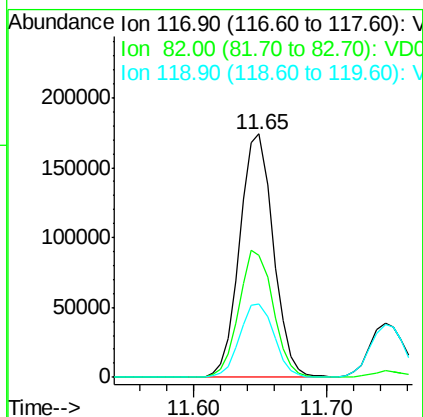
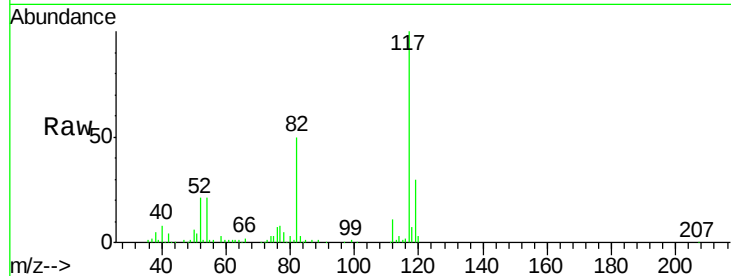


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

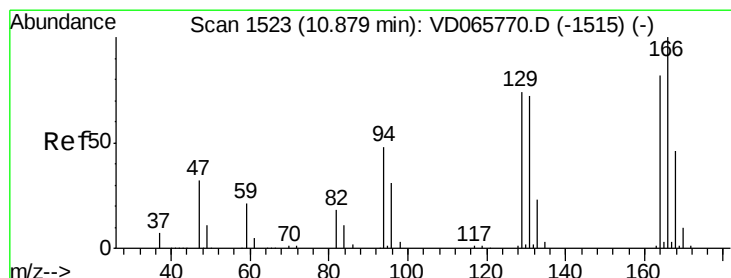
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.9	62.9
119	30.1	25.3	37.9

Manual Integrations
APPROVED



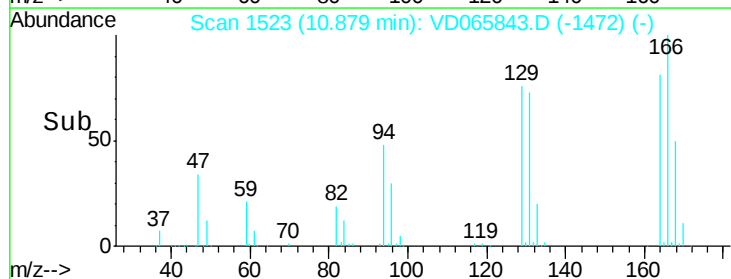
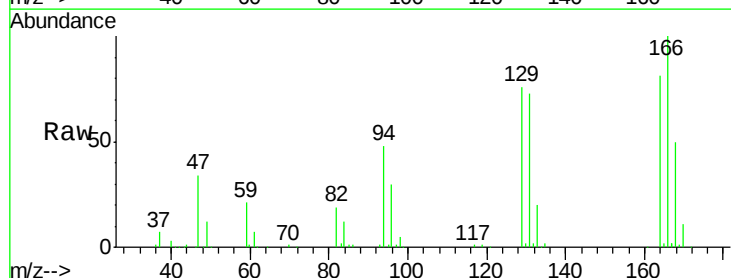
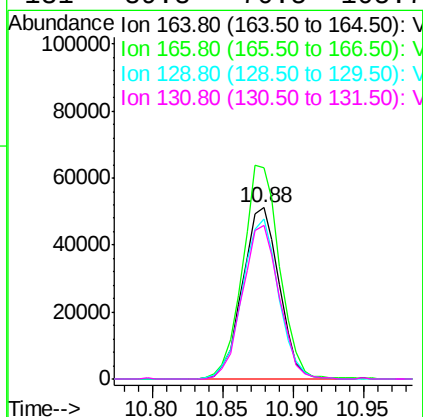
MMDadoda

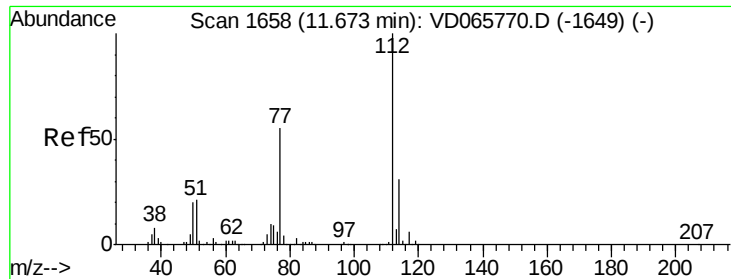
6/23/2020 11:02:25 AM



#64
Tetrachloroethene
Concen: 45.336 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	98.2	147.2
129	93.9	72.3	108.5
131	89.8	70.5	105.7



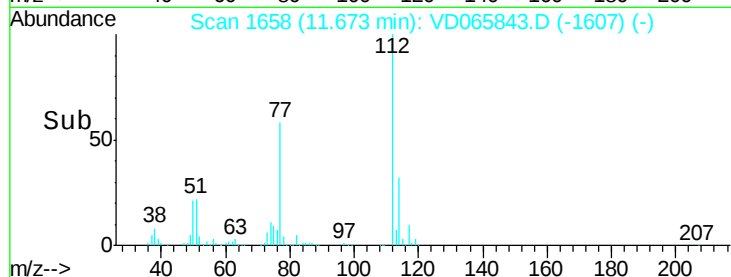
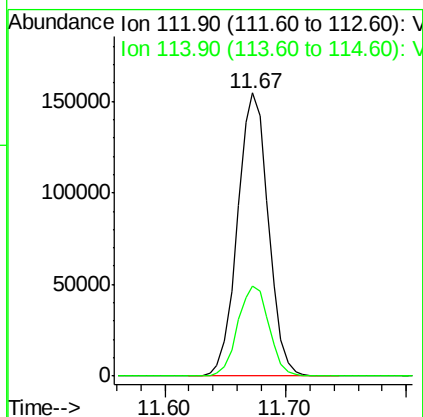
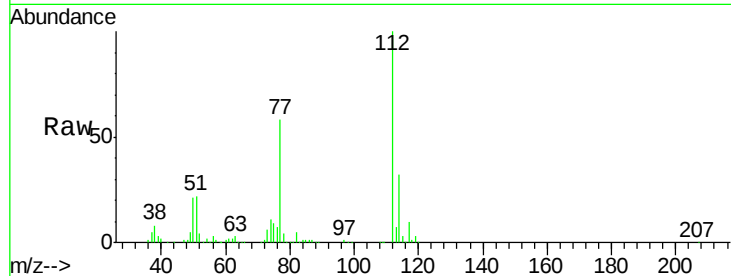


#65
Chlorobenzene
Concen: 46.271 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

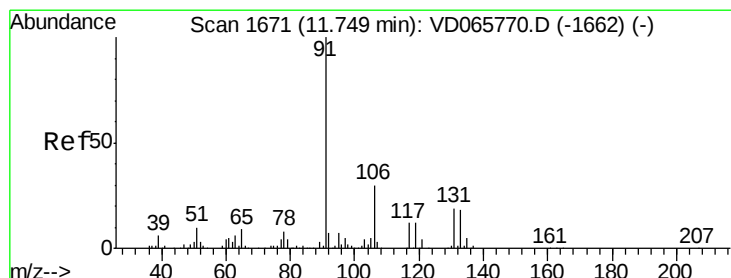
Tot Ion:112 Resp: 274615
Ion Ratio Lower Upper
112 100
114 31.8 24.7 37.1

Manual Integrations
APPROVED



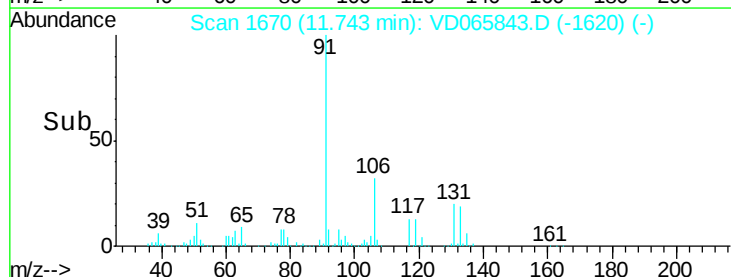
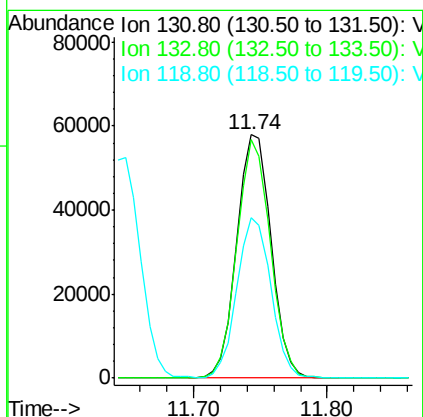
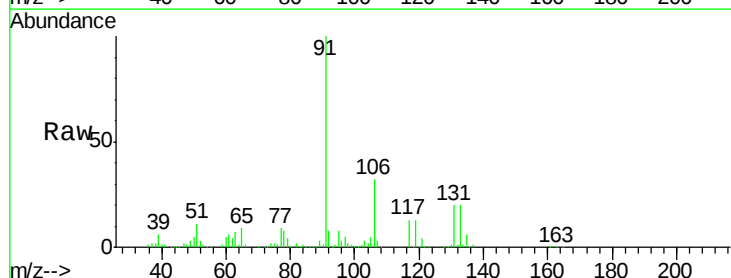
MMDadoda

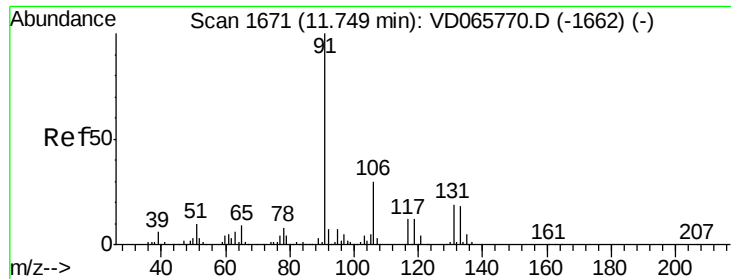
6/23/2020 11:02:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.751 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion:131 Resp: 103426
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.2 31.6 94.8



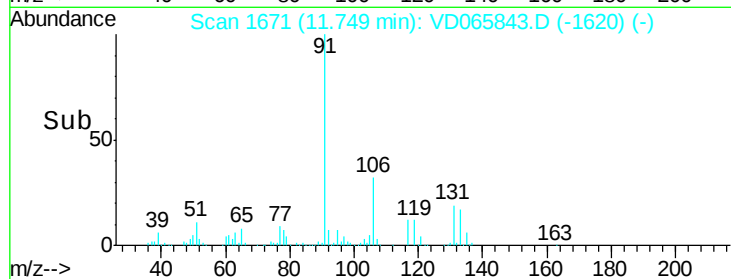
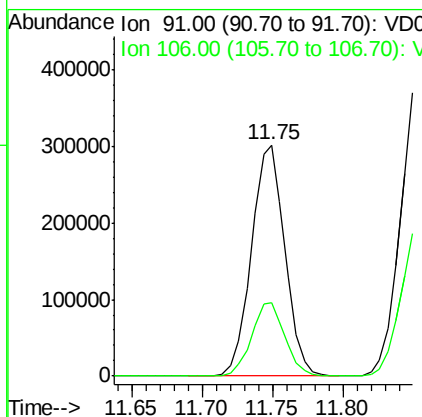
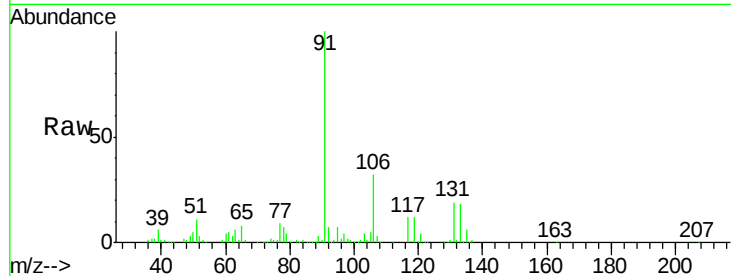


#67
Ethyl Benzene
Concen: 47.389 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

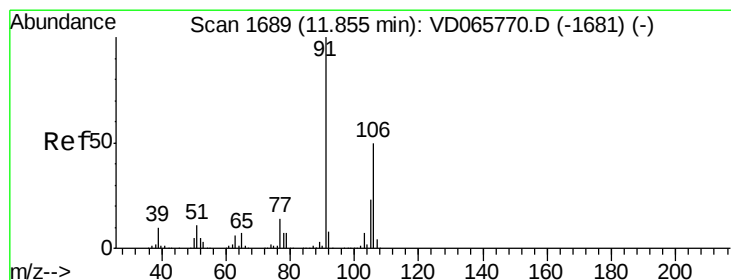
Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.7	24.1	36.1	

Manual Integrations
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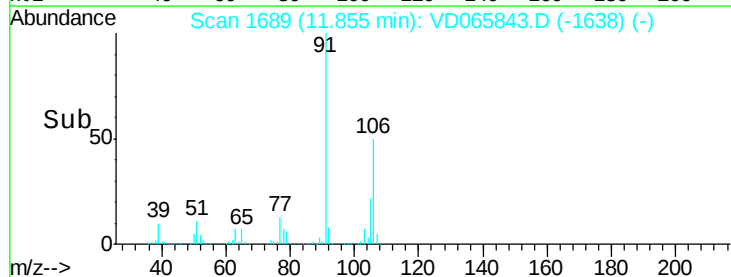
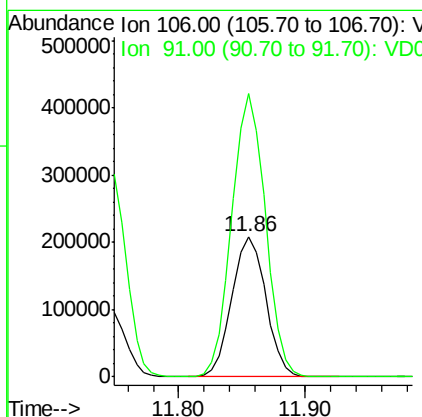
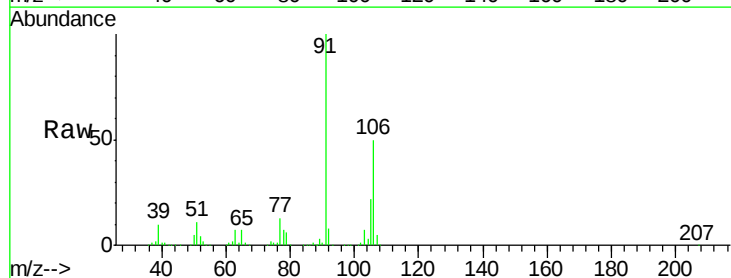
MMDadoda

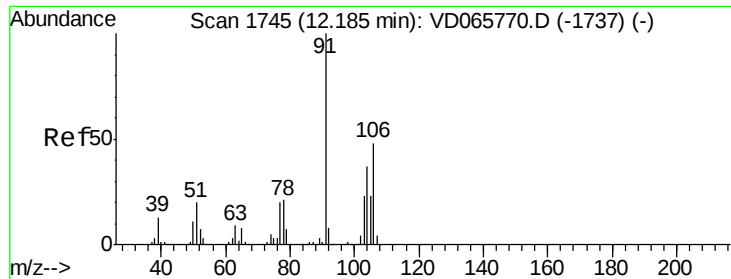
6/23/2020 11:02:25 AM



#68
m/p-Xylenes
Concen: 95.279 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.7	159.4	239.2	



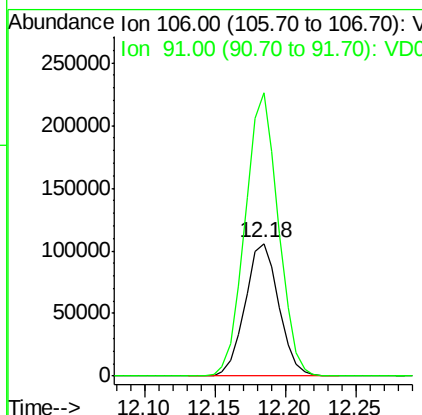
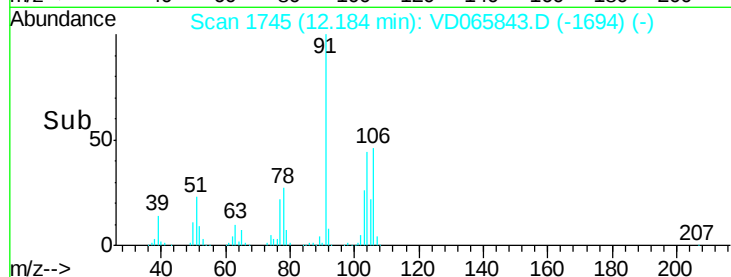
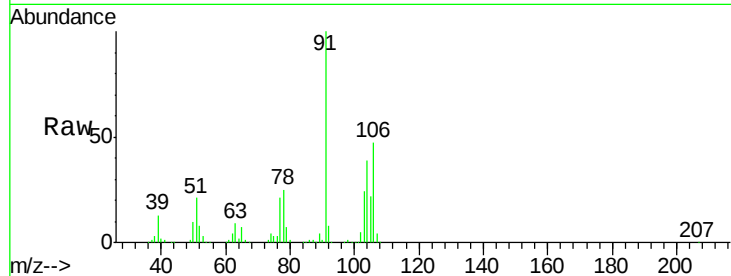


#69
o-Xylene
Concen: 48.157 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

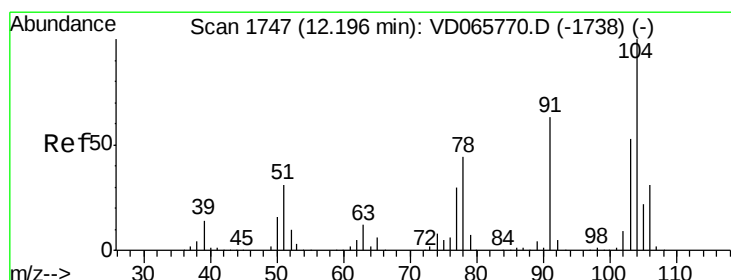
Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	105.3	315.8

Manual Integrations
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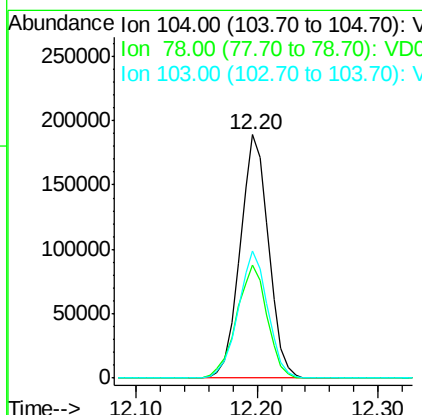
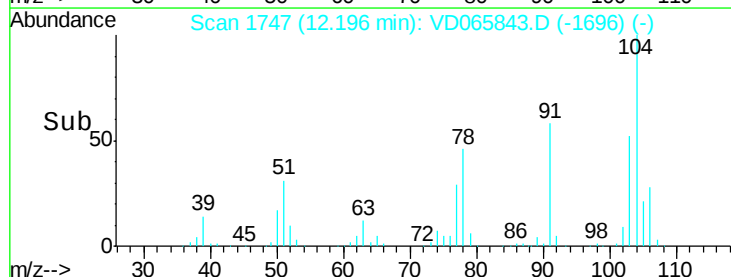
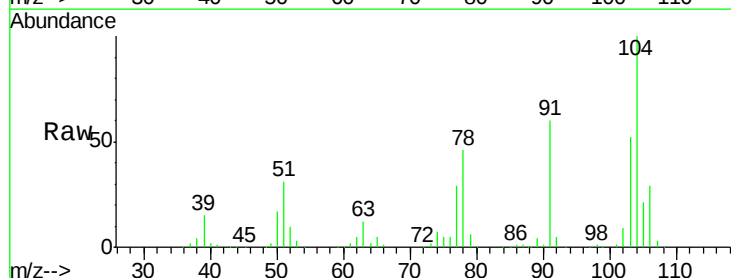
MMDadoda

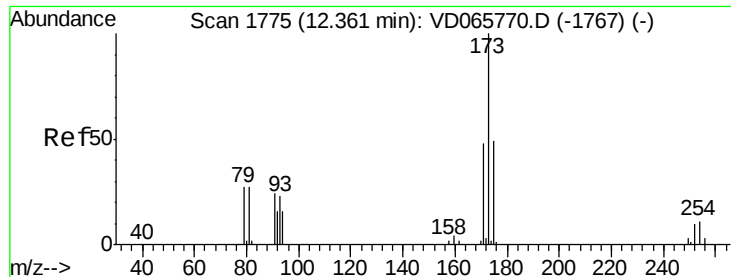
6/23/2020 11:02:25 AM



#70
Styrene
Concen: 48.626 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	38.6	58.0
103	54.5	43.9	65.9





#71

Bromoform

Concen: 45.822 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

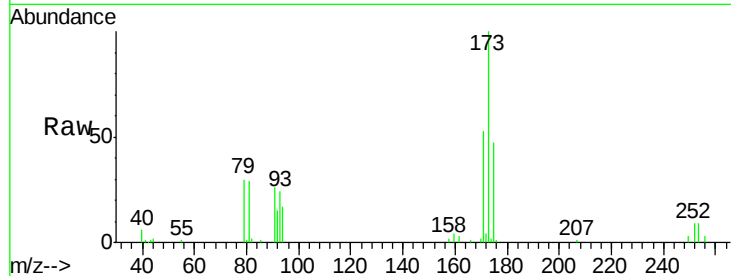
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

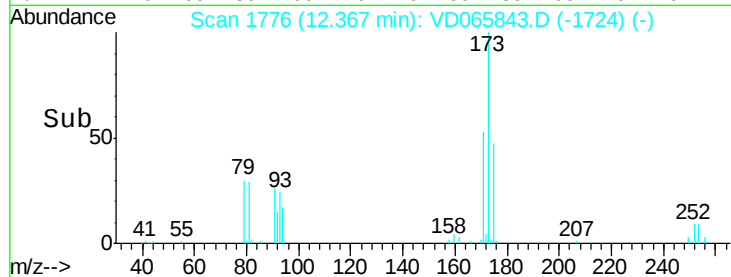
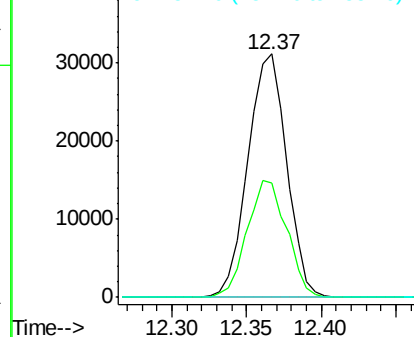


Abundance

Ion 172.70 (172.40 to 173.40): V

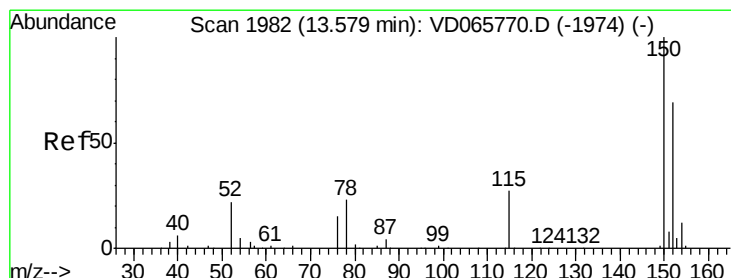
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

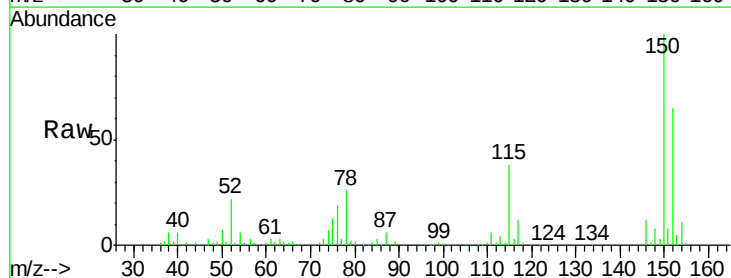
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.7	86.1
150	169.6	0.0	348.0

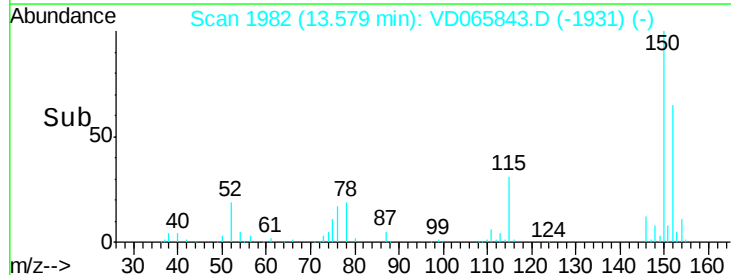
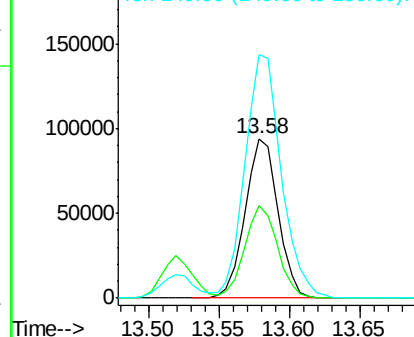


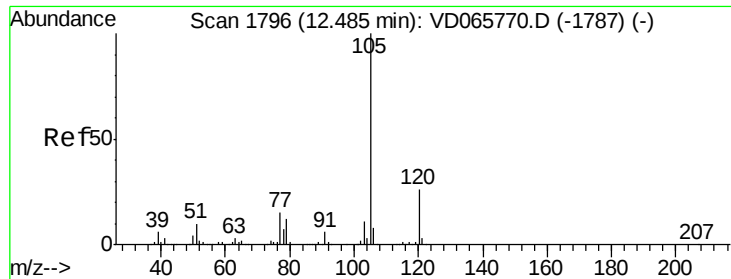
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



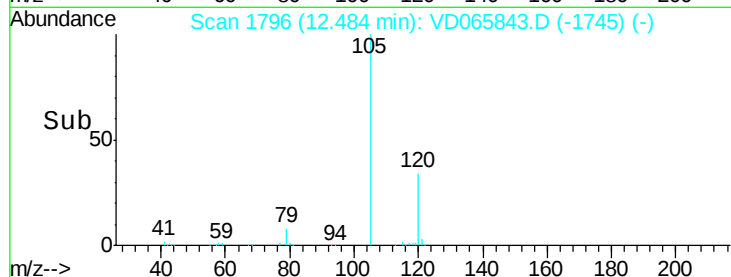
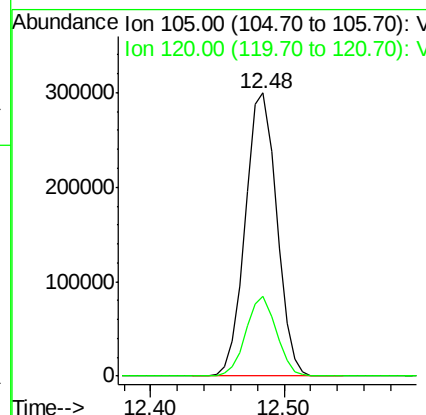
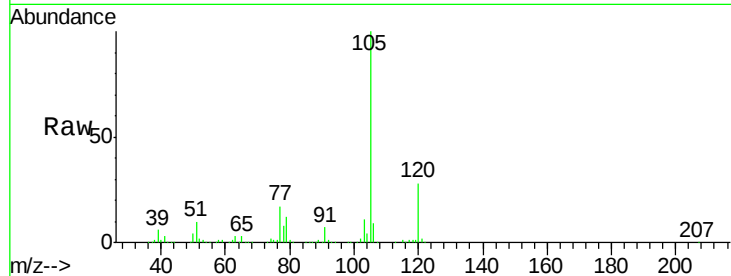


#73
Isopropylbenzene
Concen: 47.521 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

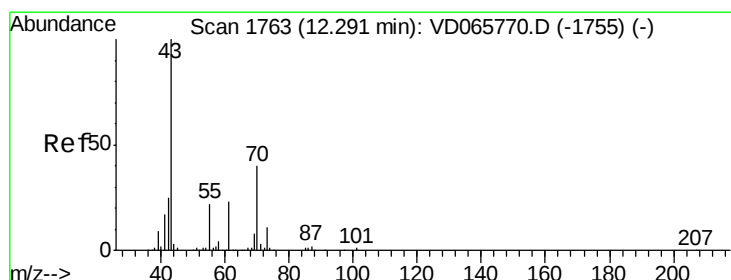
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5

Manual Integrations
APPROVED



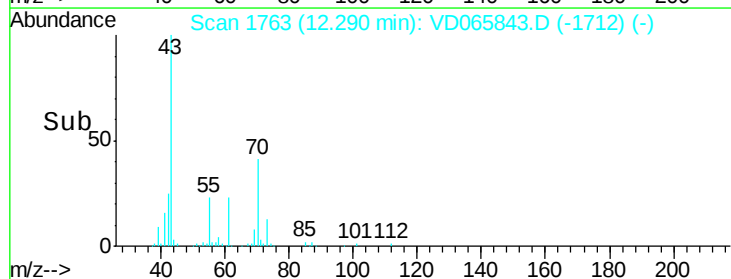
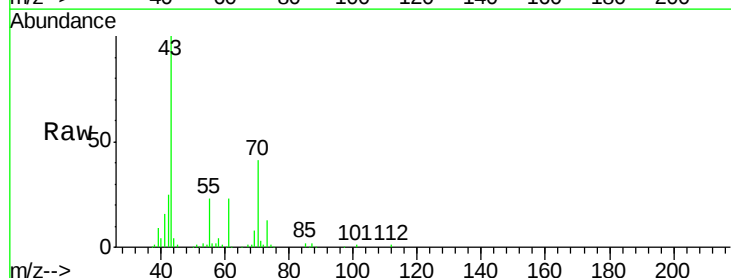
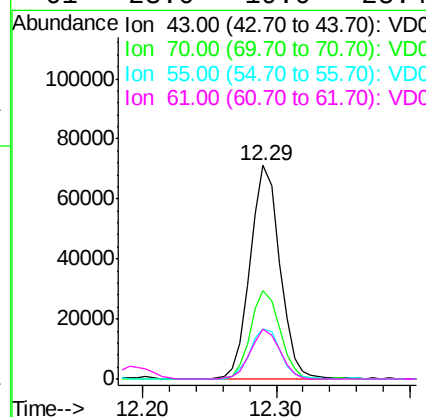
MMDadoda

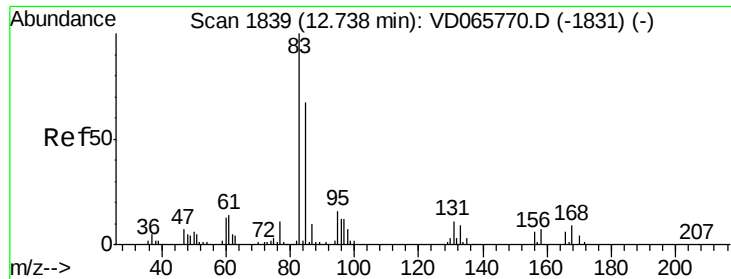
6/23/2020 11:02:25 AM



#74
N-ethyl acetate
Concen: 47.777 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.3	48.5
55	24.2	19.0	28.4
61	23.0	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.722 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

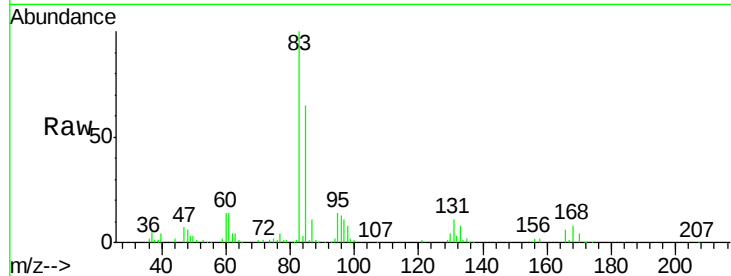
MSVOA_D

ClientSampleId :

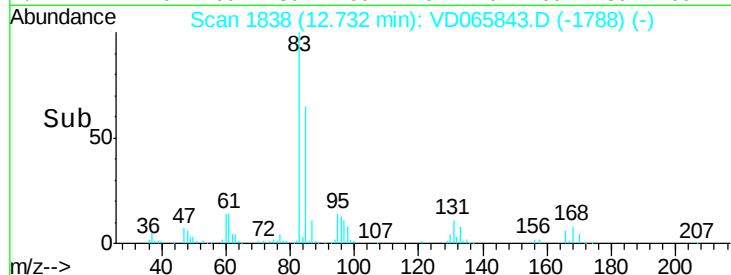
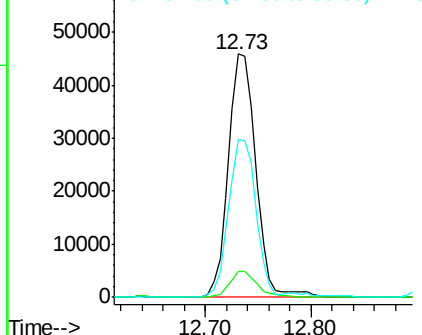
VSTDCCC050

Tot Ion:	83	Resp:	82655
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.0	32.5	97.5

Manual Integrations
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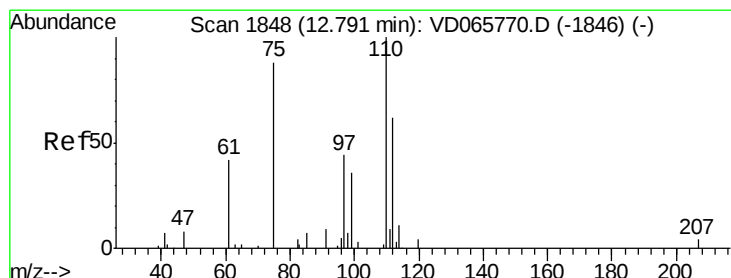


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



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#76

1,2,3-Trichloropropane

Concen: 41.687 ug/l m

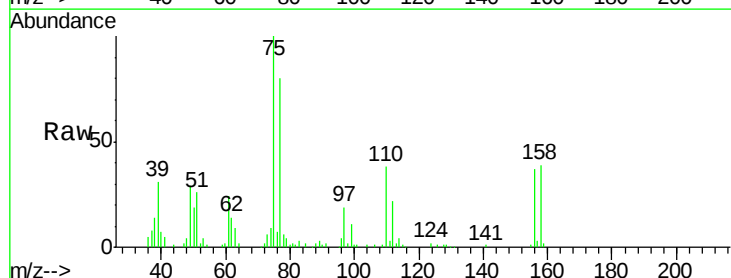
RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

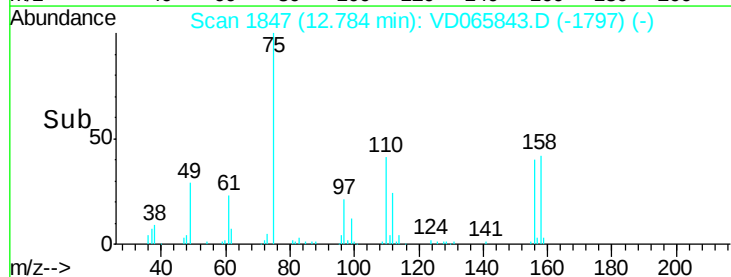
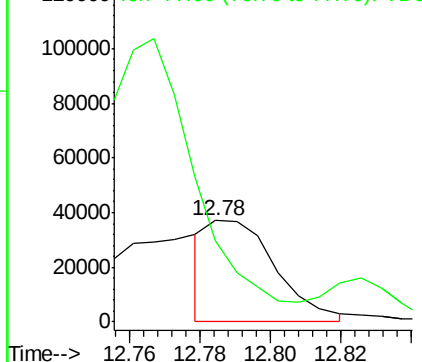
Lab File: VD065843.D

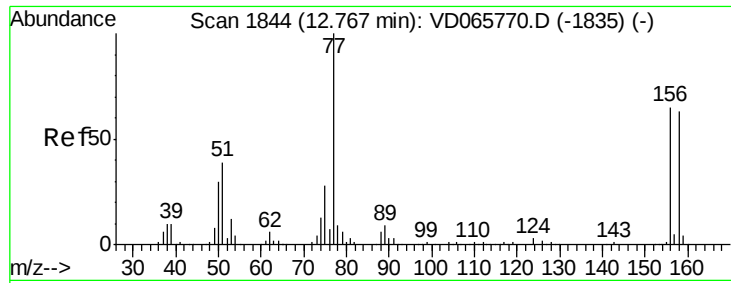
Acq: 22 Jun 2020 14:26

Tgt Ion:	75	Resp:	49592
Ion Ratio	Lower	Upper	
75	100		
77	406.7	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.025 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

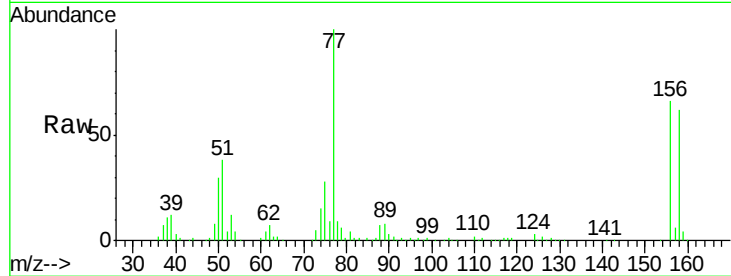
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	111679
Ion Ratio	Lower	Upper	
156	100		
77	180.6	87.3	261.8
158	99.6	48.0	144.0

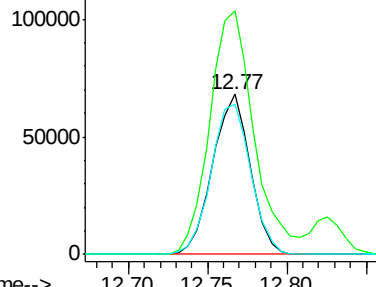
Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

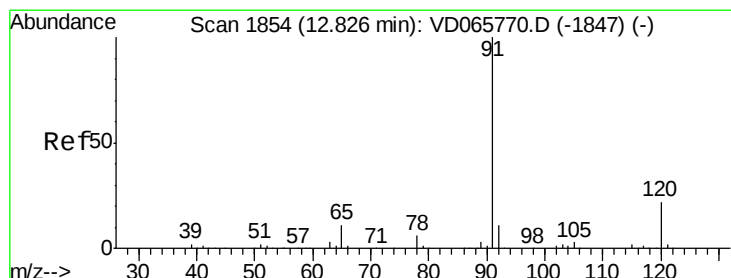
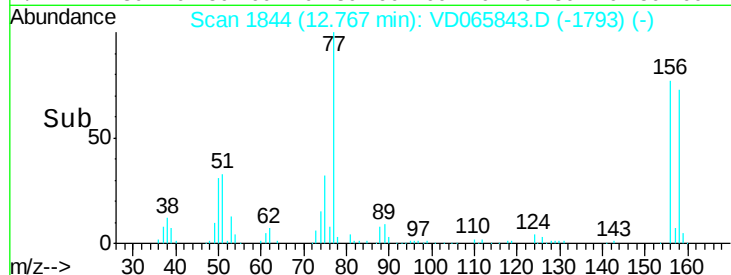
Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 47.862 ug/l

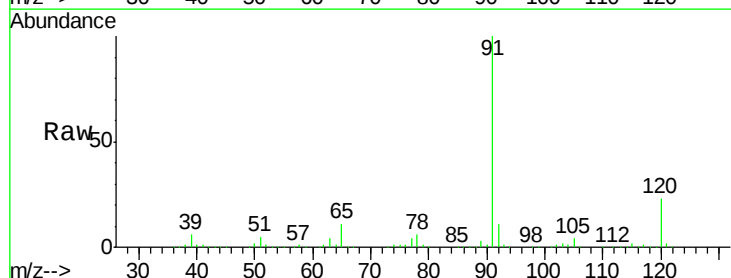
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065843.D

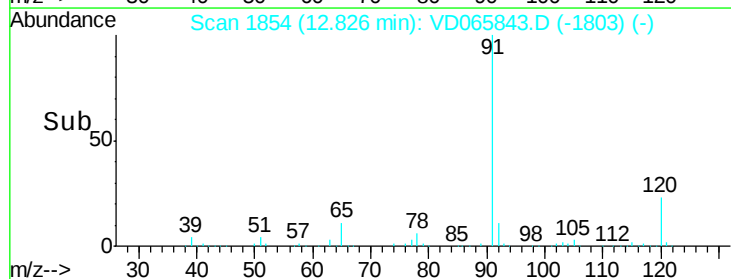
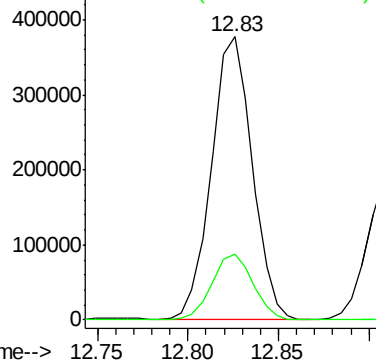
Acq: 22 Jun 2020 14:26

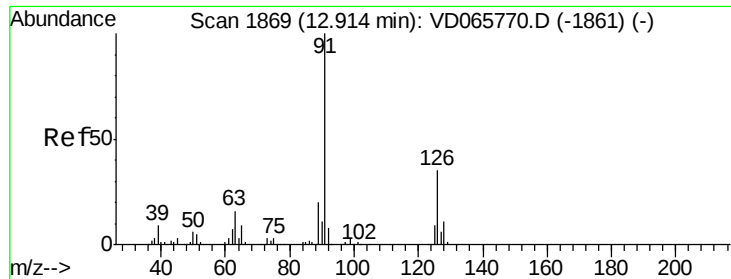
Tgt Ion:	91	Resp:	590857
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



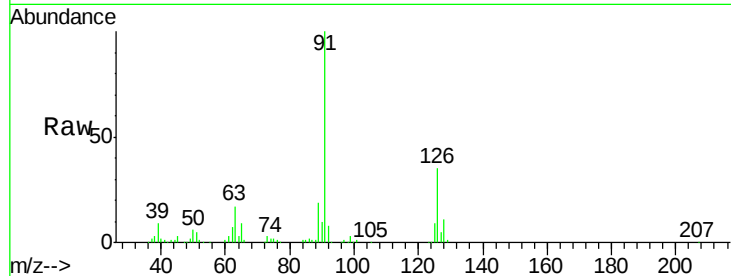


#79
2-Chlorotoluene
Concen: 47.631 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

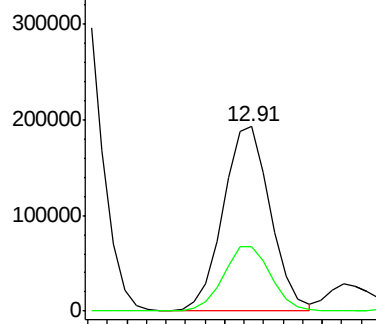
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 322566
Ion Ratio Lower Upper
91 100
126 35.4 17.5 52.6

Manual Integrations
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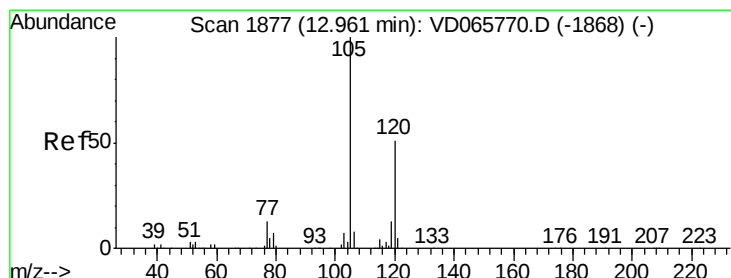
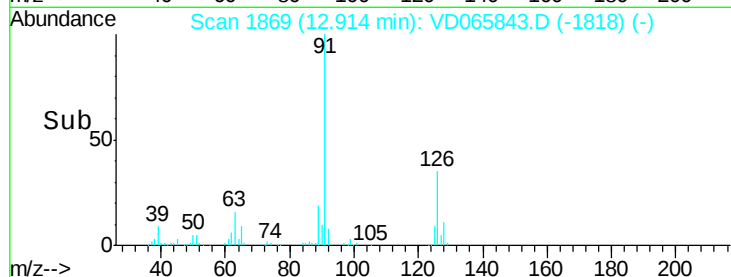


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V



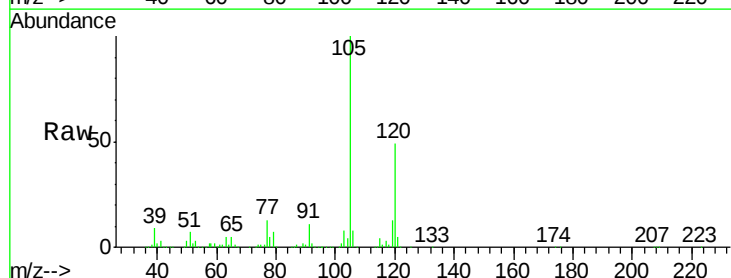
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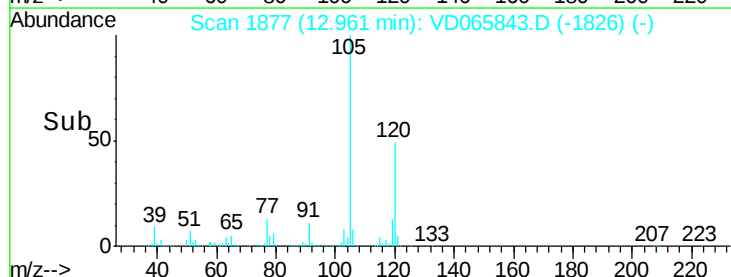
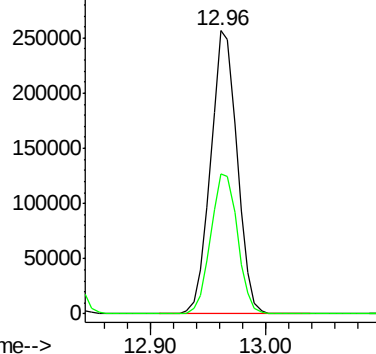


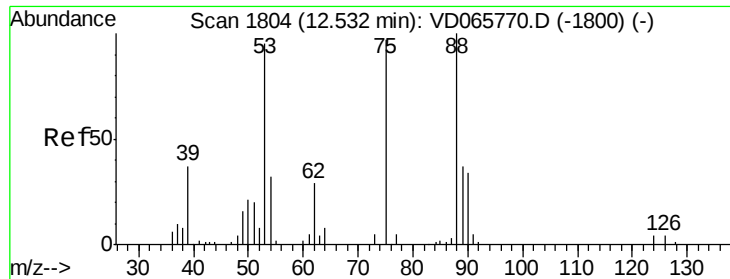
#80
1,3,5-Trimethylbenzene
Concen: 47.816 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion: 105 Resp: 408086
Ion Ratio Lower Upper
105 100
120 50.1 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



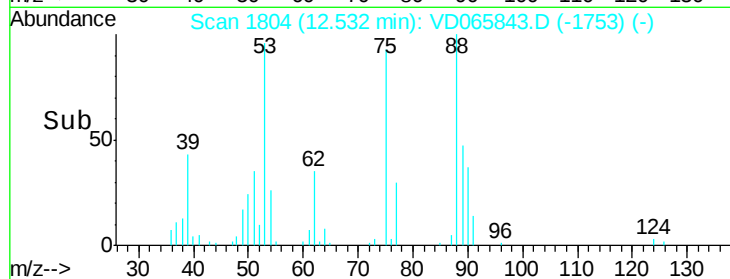
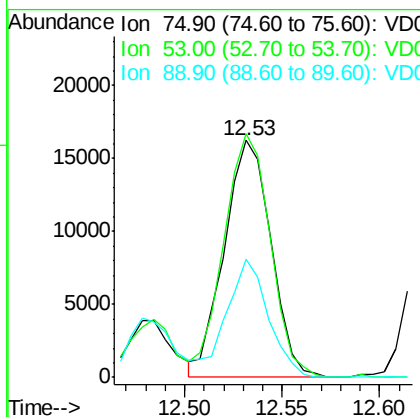
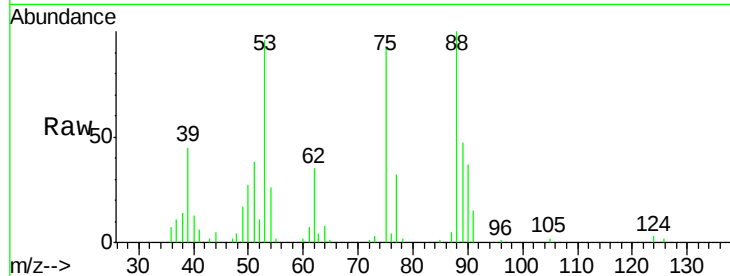


#81
trans-1,4-Dichloro-2-butene
Concen: 48.873 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

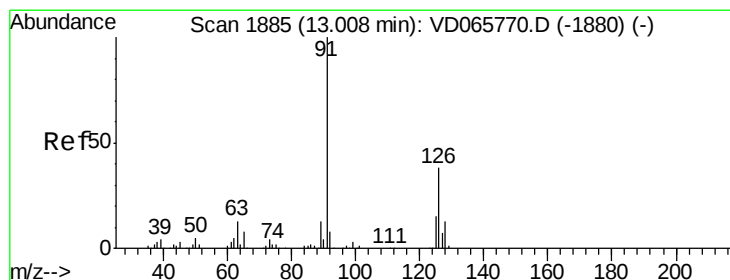
Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	82.6	123.8
89	45.4	35.9	53.9

Manual Integrations
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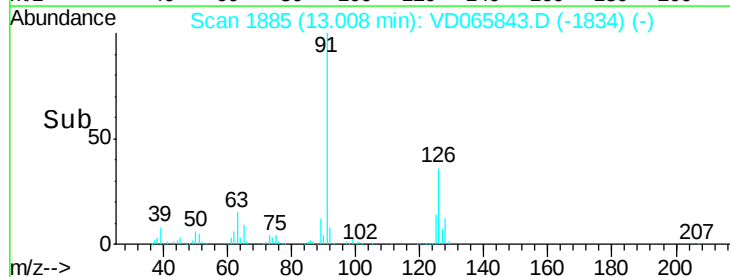
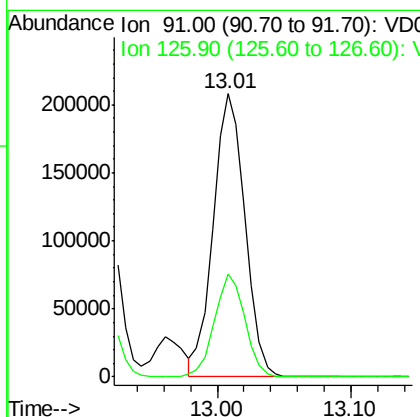
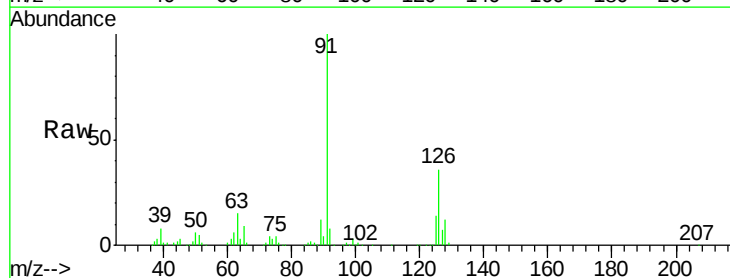
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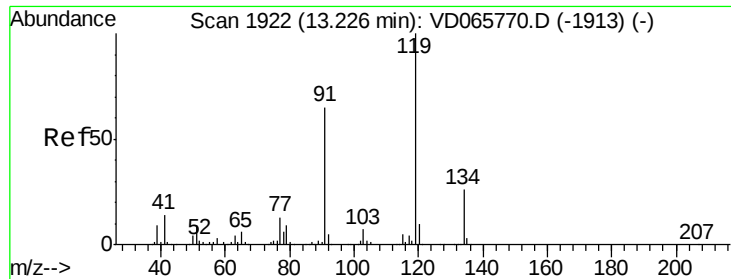
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#82
4-Chlorotoluene
Concen: 47.617 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.8



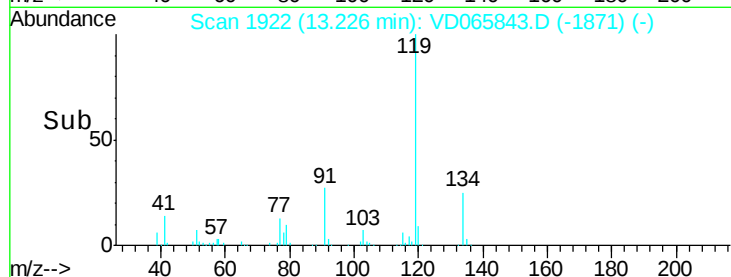
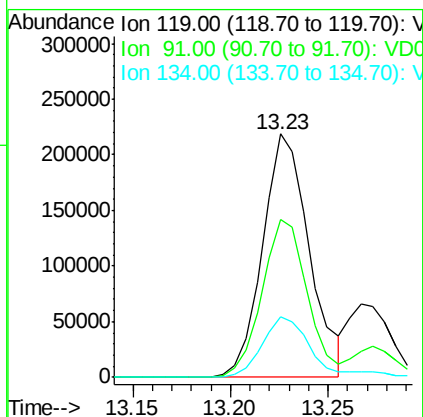
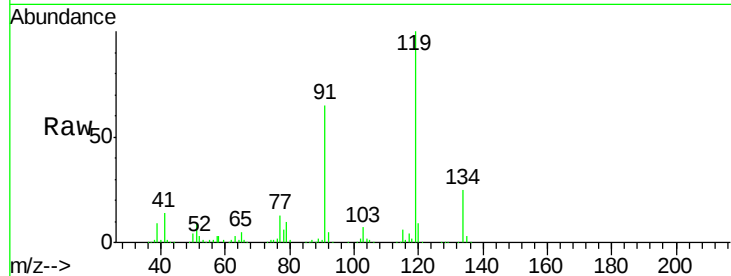


#83
tert-Butylbenzene
Concen: 48.984 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

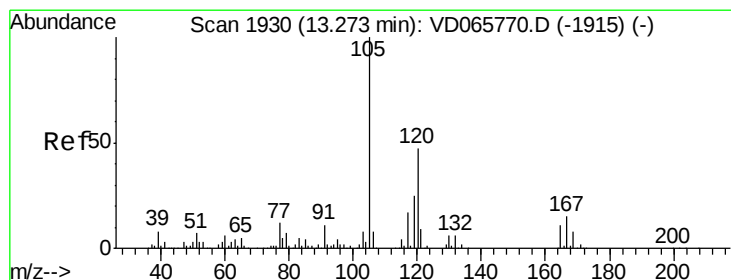
Tot Ion	Ratio	Resp	Lower	Upper
119	100	362739		
91	62.9		32.0	96.0
134	26.5		13.8	41.4

Manual Integrations
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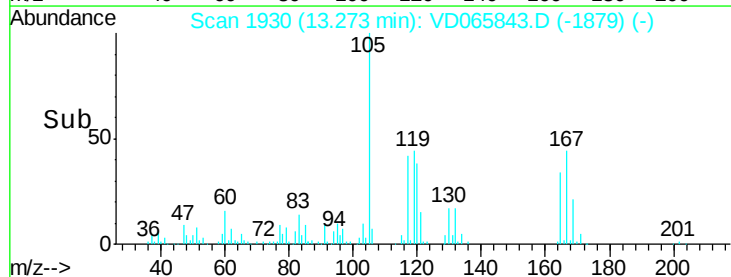
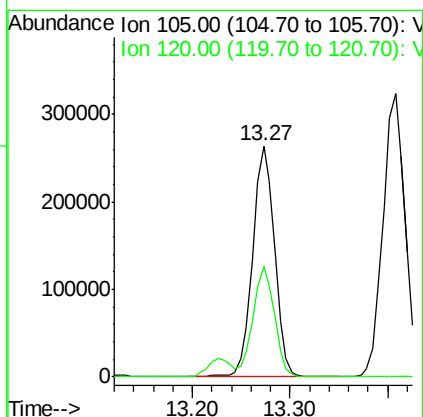
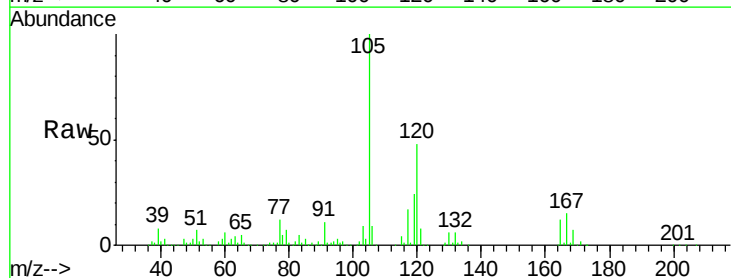
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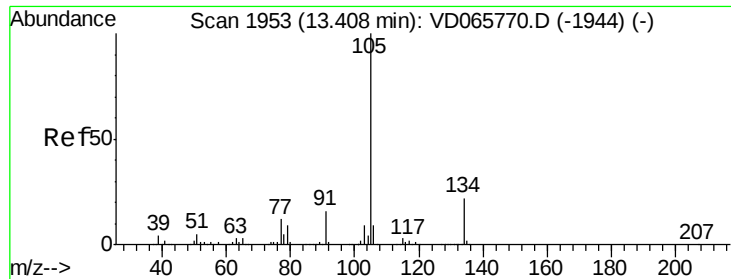
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#84
1,2,4-Trimethylbenzene
Concen: 48.219 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	411904		
120	46.9		23.3	69.8





#85

sec-Butylbenzene

Concen: 49.157 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

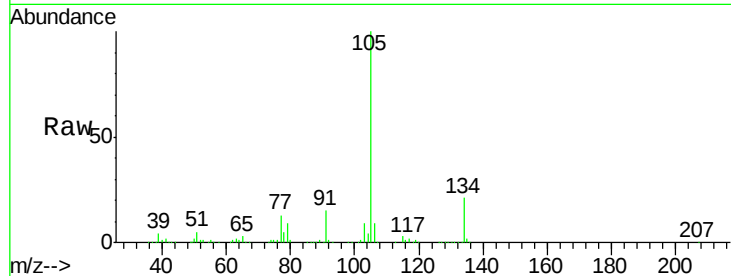
Tot Ion:105 Resp: 506594

Ion Ratio Lower Upper

105 100

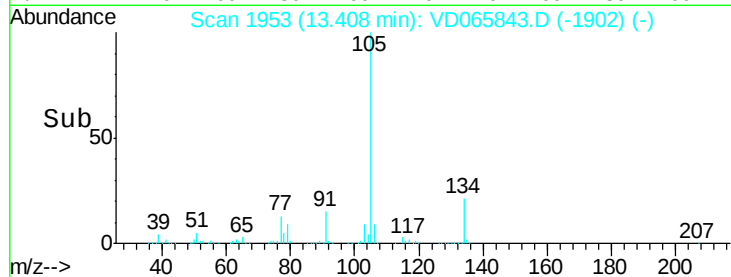
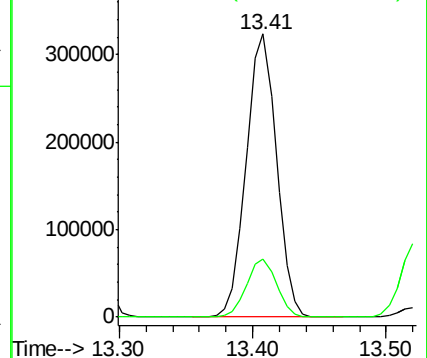
134 20.3 10.4 31.4

Manual Integrations
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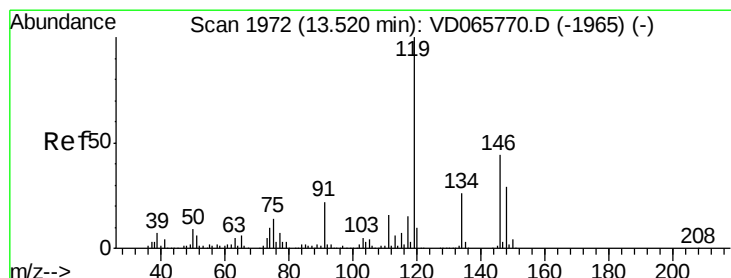
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#86

p-Isopropyltoluene

Concen: 48.976 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065843.D

Acq: 22 Jun 2020 14:26

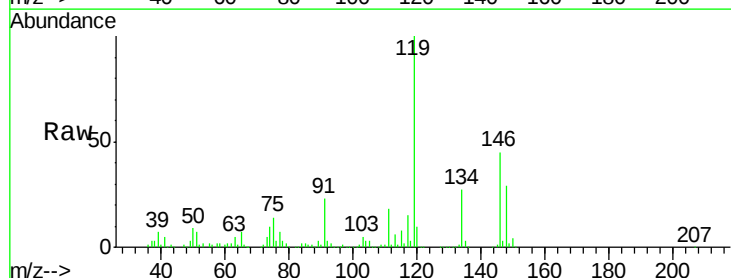
Tgt Ion:119 Resp: 462613

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

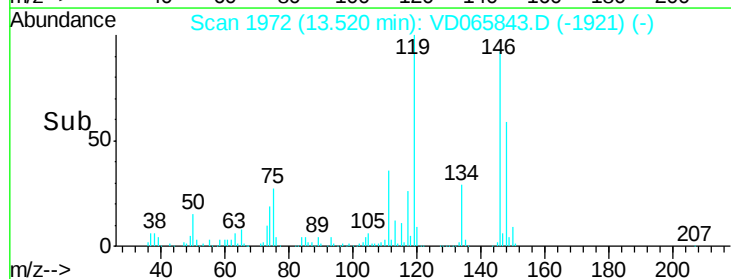
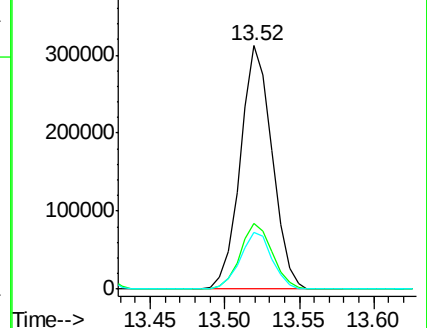
91 23.6 11.8 35.4

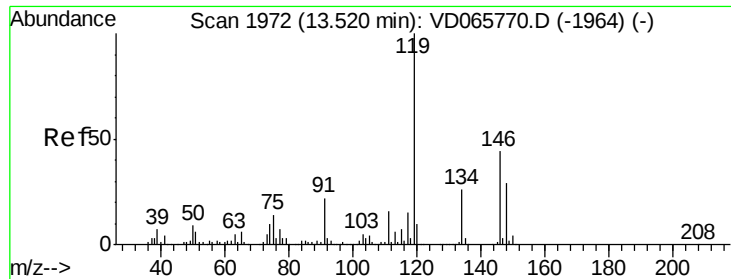


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



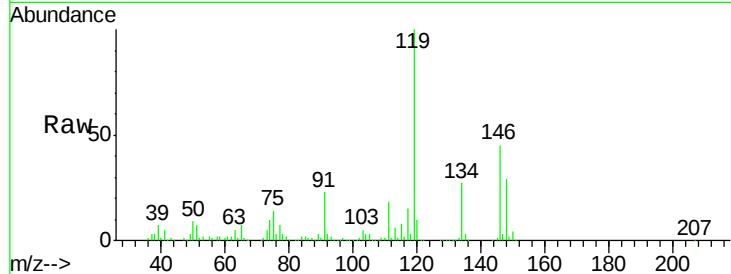


#87
 1,3-Dichlorobenzene
 Concen: 46.941 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

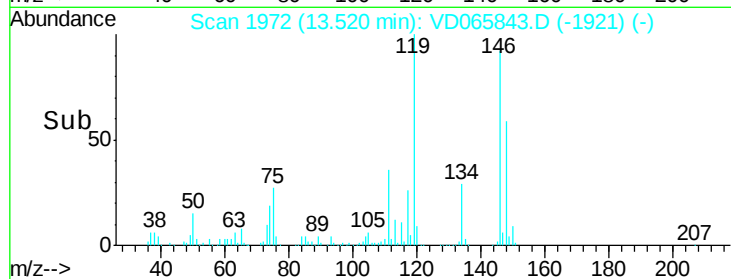
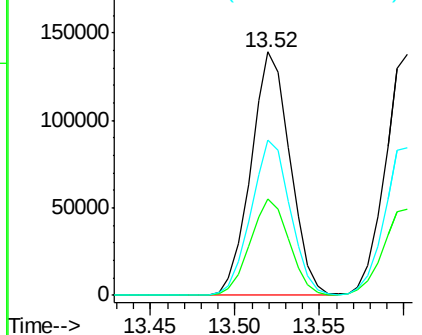
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.2	57.6
148	64.0	32.1	96.3

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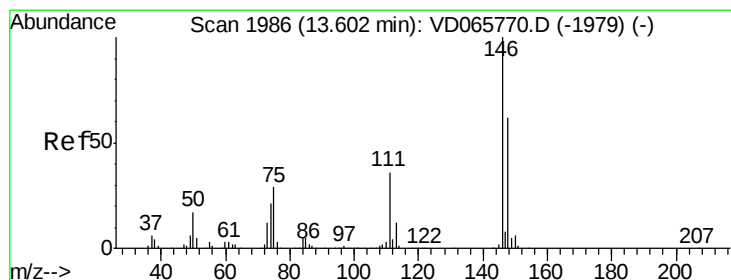


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



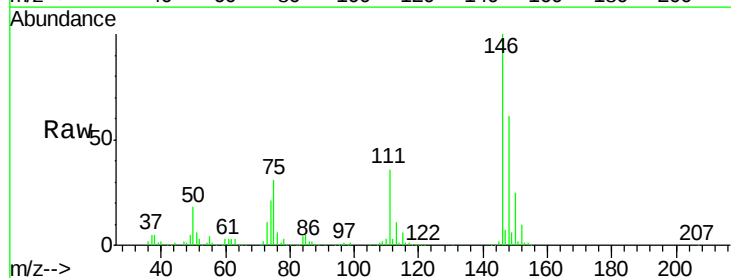
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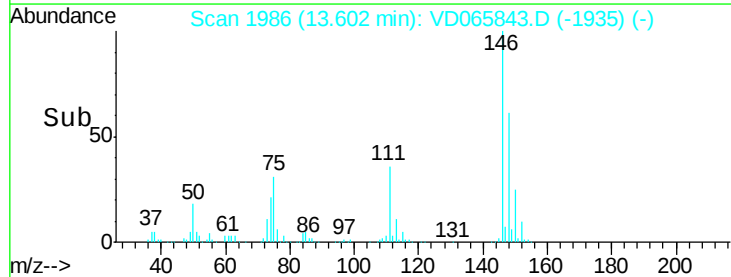
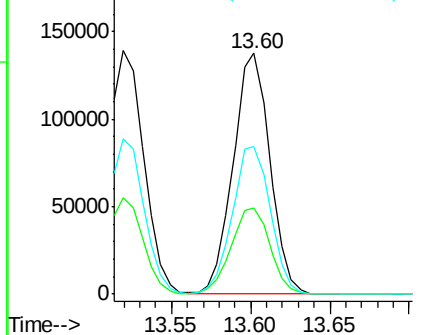


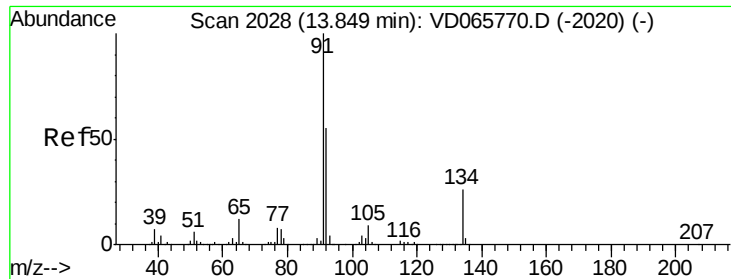
#88
 1,4-Dichlorobenzene
 Concen: 46.659 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	63.4	31.6	94.7



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



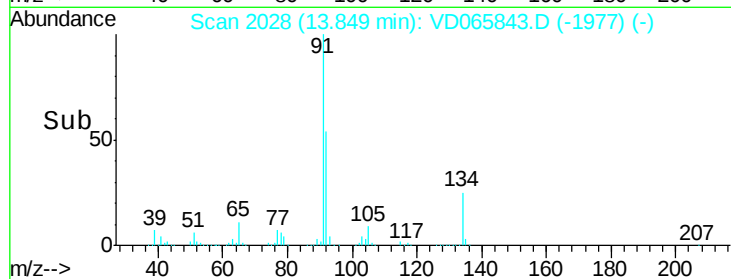
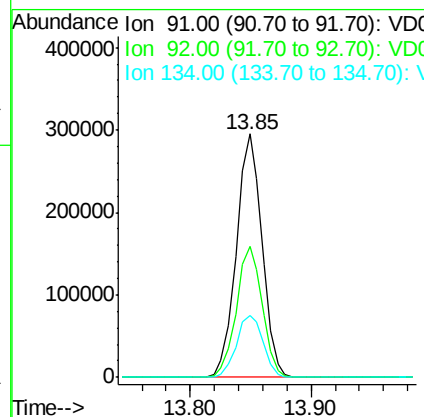
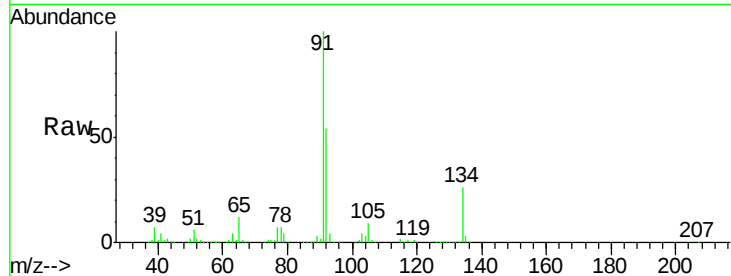


#89
n-Butylbenzene
Concen: 48.517 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

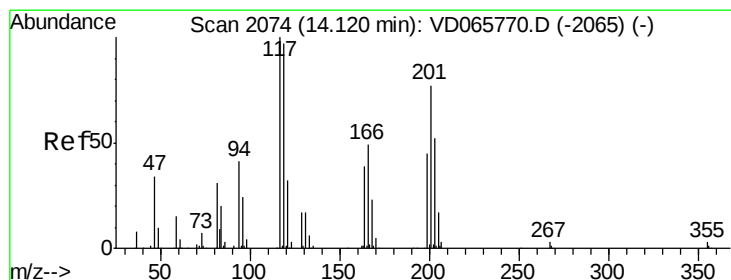
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.0	81.0
134	26.5	13.0	39.0

Manual Integrations
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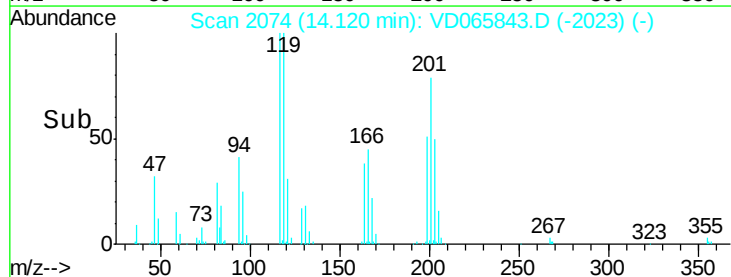
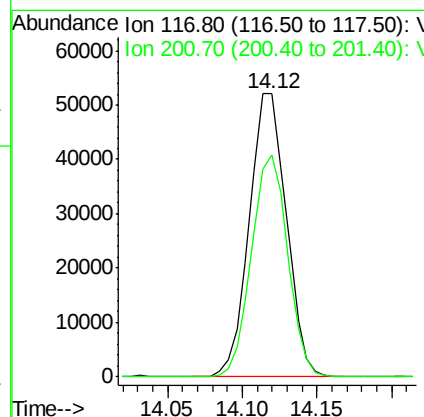
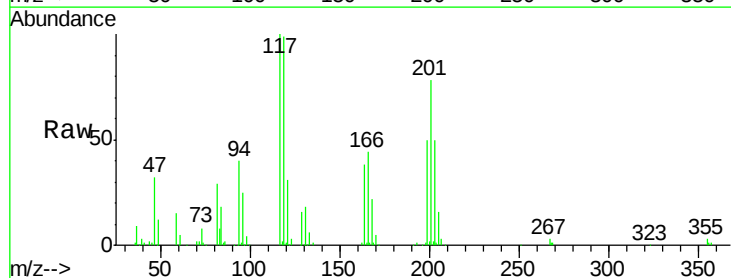
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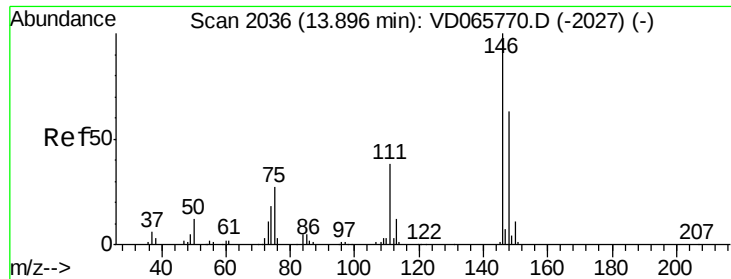
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#90
Hexachloroethane
Concen: 47.344 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	37.1	111.5



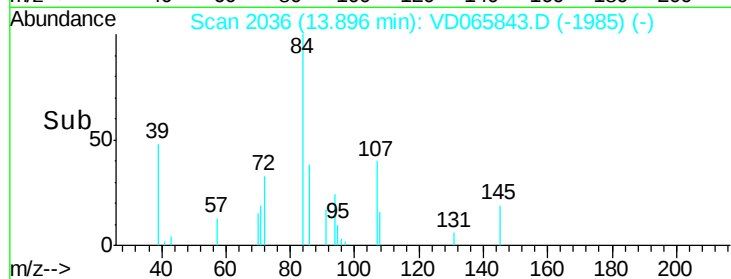
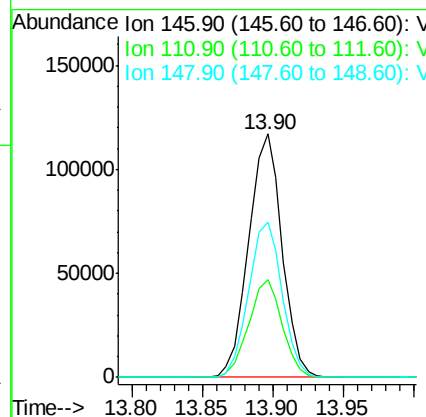
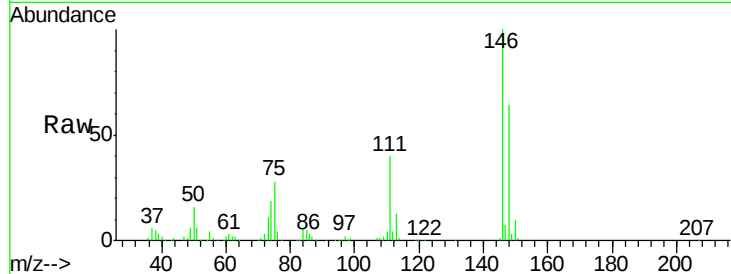


#91
 1,2-Dichlorobenzene
 Concen: 47.220 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

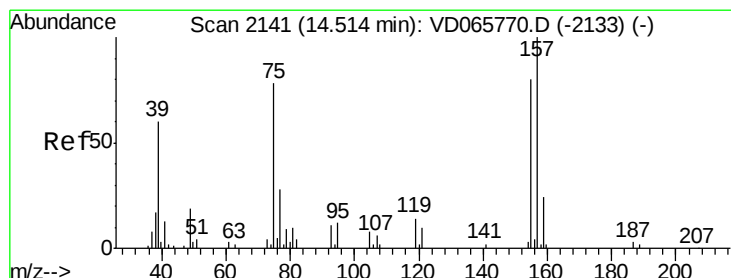
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.4
148	64.0	31.9	95.7

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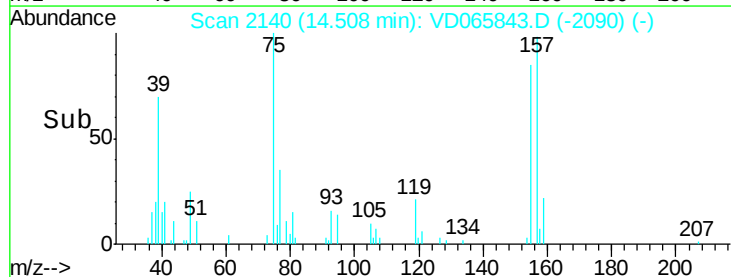
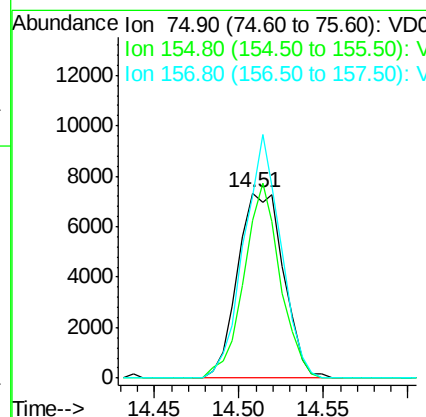
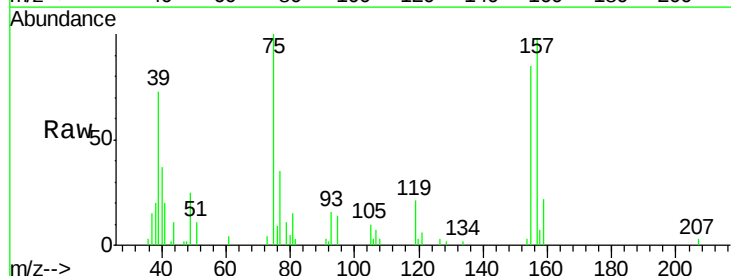
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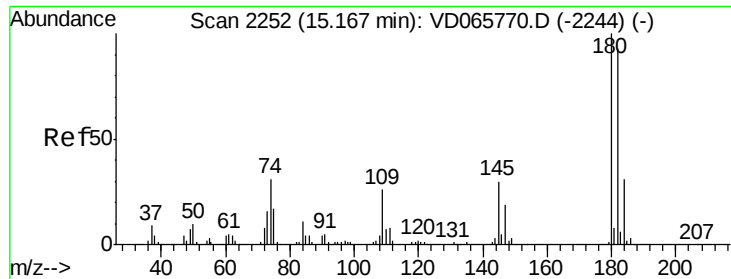
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.153 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065843.D
 Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	46.3	138.9
157	105.4	58.1	174.3



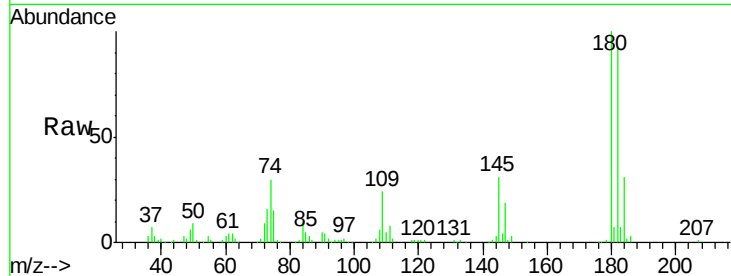


#93
1,2,4-Trichlorobenzene
Concen: 48.058 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

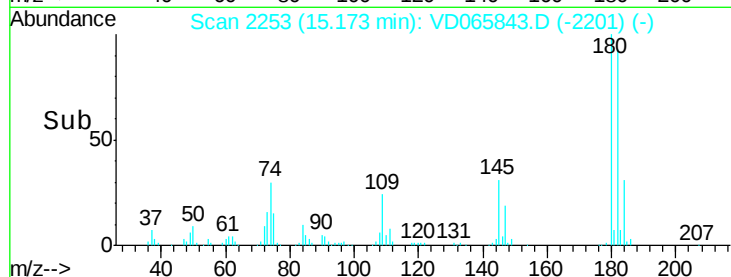
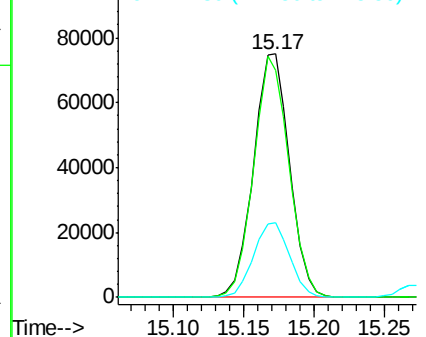
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	48.0	144.2	
145	30.7	14.9	44.9	

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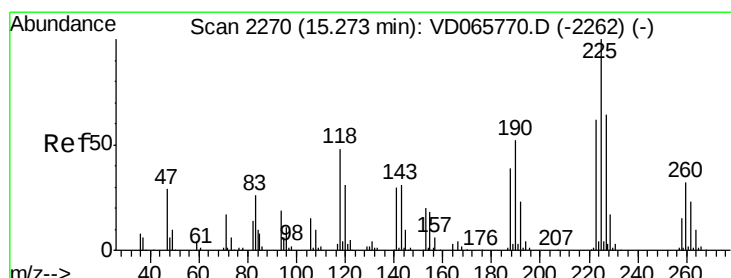


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



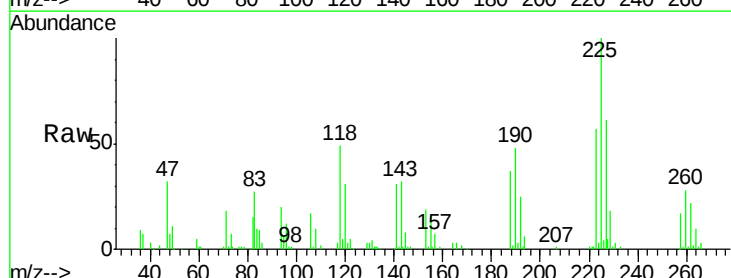
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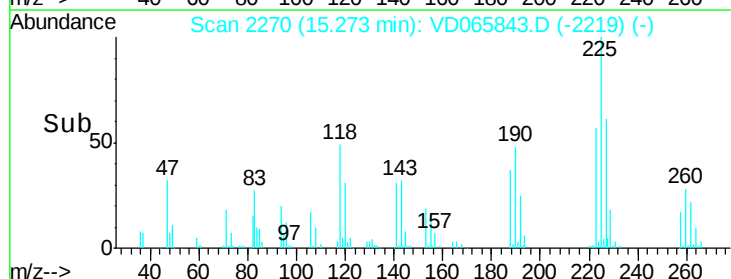
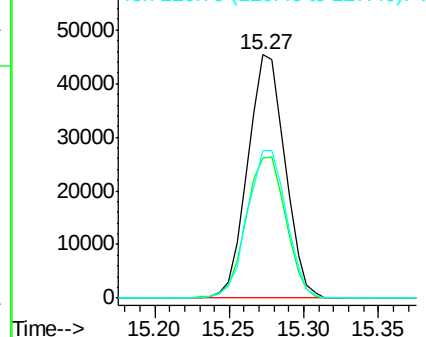


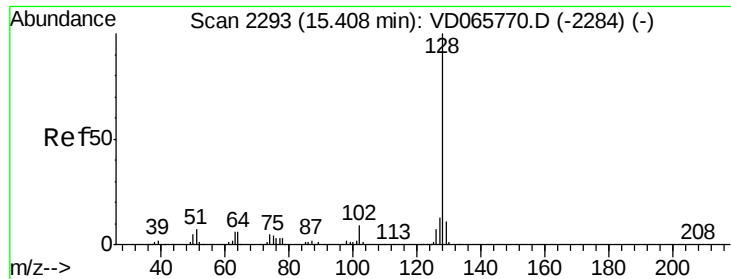
#94
Hexachlorobutadiene
Concen: 46.493 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	30.9	92.7	
227	63.4	31.9	95.7	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



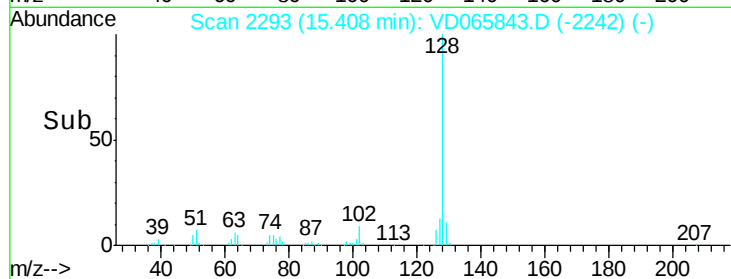
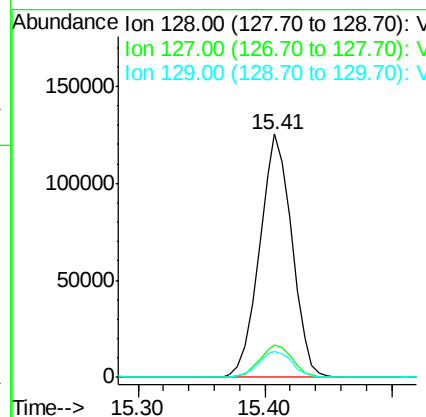
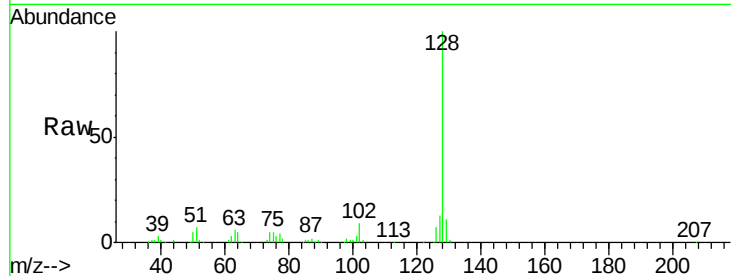


#95
Naphthalene
Concen: 46.868 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

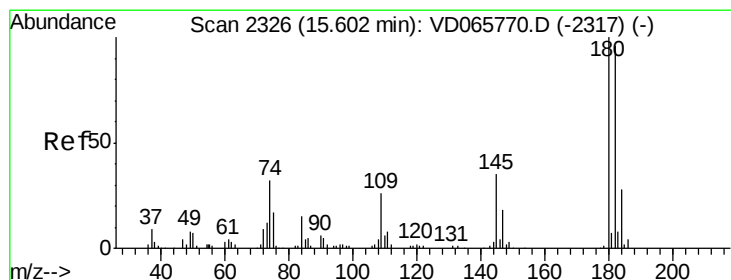
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.530 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065843.D
Acq: 22 Jun 2020 14:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.0	141.2
145	31.1	16.2	48.6

