

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065076.D
 Acq On : 05 Feb 2020 21:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:34 AM

Quant Time: Feb 06 06:21:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	483210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	738217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	674437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	322925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	235990	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
35) Dibromofluoromethane	7.92	113	228491	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
50) Toluene-d8	10.34	98	886442	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.64	95	281838	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	190304	47.326	ug/l	99
3) Chloromethane	2.21	50	248835	52.569	ug/l	96
4) Vinyl Chloride	2.35	62	257916	51.521	ug/l	100
5) Bromomethane	2.77	94	170934	52.662	ug/l	93
6) Chloroethane	2.93	64	166877	53.740	ug/l	96
7) Trichlorofluoromethane	3.27	101	366598	50.321	ug/l	99
8) Diethyl Ether	3.71	74	108018	51.648	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210638	47.296	ug/l	98
10) Methyl Iodide	4.30	142	257690	50.693	ug/l	98
11) Tert butyl alcohol	5.24	59	62488	249.031	ug/l	100
12) 1,1-Dichloroethene	4.06	96	203068	47.609	ug/l	99
13) Acrolein	3.93	56	74548	241.544	ug/l	96
14) Allyl chloride	4.71	41	353999	49.936	ug/l	99
15) Acrylonitrile	5.43	53	241528	264.153	ug/l	99
16) Acetone	4.17	43	247142	240.694	ug/l	97
17) Carbon Disulfide	4.40	76	680813	49.712	ug/l	100
18) Methyl Acetate	4.73	43	116286	54.206	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	493625	52.334	ug/l	98
20) Methylene Chloride	4.96	84	250110	55.776	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	242623	50.276	ug/l	94
22) Diisopropyl ether	6.37	45	719569	53.814	ug/l	98
23) Vinyl Acetate	6.31	43	2006383	269.204	ug/l	100
24) 1,1-Dichloroethane	6.27	63	413559	51.097	ug/l	98
25) 2-Butanone	7.22	43	316692	258.565	ug/l	100
26) 2,2-Dichloropropane	7.21	77	344726	47.519	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	259924	50.699	ug/l	99
28) Bromochloromethane	7.56	49	172147	56.110	ug/l	99
29) Tetrahydrofuran	7.57	42	199482	269.321	ug/l	100
30) Chloroform	7.72	83	422244	52.395	ug/l	93
31) Cyclohexane	7.98	56	367522	44.985	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	374616	49.903	ug/l	100
36) 1,1-Dichloropropene	8.11	75	326044	47.498	ug/l	99
37) Ethyl Acetate	7.30	43	139860	49.873	ug/l	99
38) Carbon Tetrachloride	8.10	117	331858	47.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	382659	45.163	ug/l	99
40) Benzene	8.36	78	941761	49.682	ug/l	100
41) Methacrylonitrile	7.53	41	80635	52.192	ug/l	97
42) 1,2-Dichloroethane	8.43	62	274584	50.838	ug/l	99
43) Isopropyl Acetate	8.46	43	275827	51.418	ug/l	99
44) Trichloroethene	9.11	130	258579	47.525	ug/l	98
45) 1,2-Dichloropropane	9.39	63	230661	50.753	ug/l	98
46) Dibromomethane	9.48	93	124678	52.206	ug/l	97
47) Bromodichloromethane	9.67	83	326517	51.889	ug/l	98
48) Methyl methacrylate	9.46	41	130134	50.413	ug/l	97
49) 1,4-Dioxane	9.47	88	29139	1030.142	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	702912	266.207	ug/l	99
52) Toluene	10.41	92	600336	49.622	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	311833	50.897	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	368837	50.335	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	168394	51.406	ug/l	96
56) Ethyl methacrylate	10.67	69	216318	52.191	ug/l	98
57) 1,3-Dichloropropane	10.95	76	295527	51.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	313177	232.534	ug/l	100
59) 2-Hexanone	10.99	43	487780	260.802	ug/l	99
60) Dibromochloromethane	11.15	129	221029	52.094	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165948	51.846	ug/l	99
64) Tetrachloroethene	10.88	164	239430	49.406	ug/l	96
65) Chlorobenzene	11.68	112	631164	48.385	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	236762	49.177	ug/l	99
67) Ethyl Benzene	11.75	91	1143928	48.268	ug/l	97
68) m/p-Xylenes	11.86	106	885973	97.946	ug/l	99
69) o-Xylene	12.18	106	400072	49.115	ug/l	98
70) Styrene	12.20	104	717419	50.675	ug/l	100
71) Bromoform	12.37	173	130609	50.401	ug/l #	99
73) Isopropylbenzene	12.48	105	1046343	47.208	ug/l	100
74) N-amyl acetate	12.30	43	245518	50.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	173189	49.648	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	122210m	49.986	ug/l	
77) Bromobenzene	12.77	156	259432	48.582	ug/l	99
78) n-propylbenzene	12.83	91	1240012	47.773	ug/l	99
79) 2-Chlorotoluene	12.91	91	697082	48.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	866090	47.764	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60829	49.758	ug/l	97
82) 4-Chlorotoluene	13.01	91	731249	48.123	ug/l	99
83) tert-Butylbenzene	13.23	119	741250	47.383	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	877091	48.722	ug/l	99
85) sec-Butylbenzene	13.41	105	1002532	46.921	ug/l	100
86) p-Isopropyltoluene	13.53	119	957517	48.233	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	493647	49.373	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	481227	48.358	ug/l	99
89) n-Butylbenzene	13.86	91	857421	46.794	ug/l	100
90) Hexachloroethane	14.13	117	175989	46.817	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419591	48.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27803	48.825	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	287132	46.910	ug/l	99
94) Hexachlorobutadiene	15.28	225	164263	43.645	ug/l	99
95) Naphthalene	15.41	128	491784	48.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	248687	47.499	ug/l	98

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

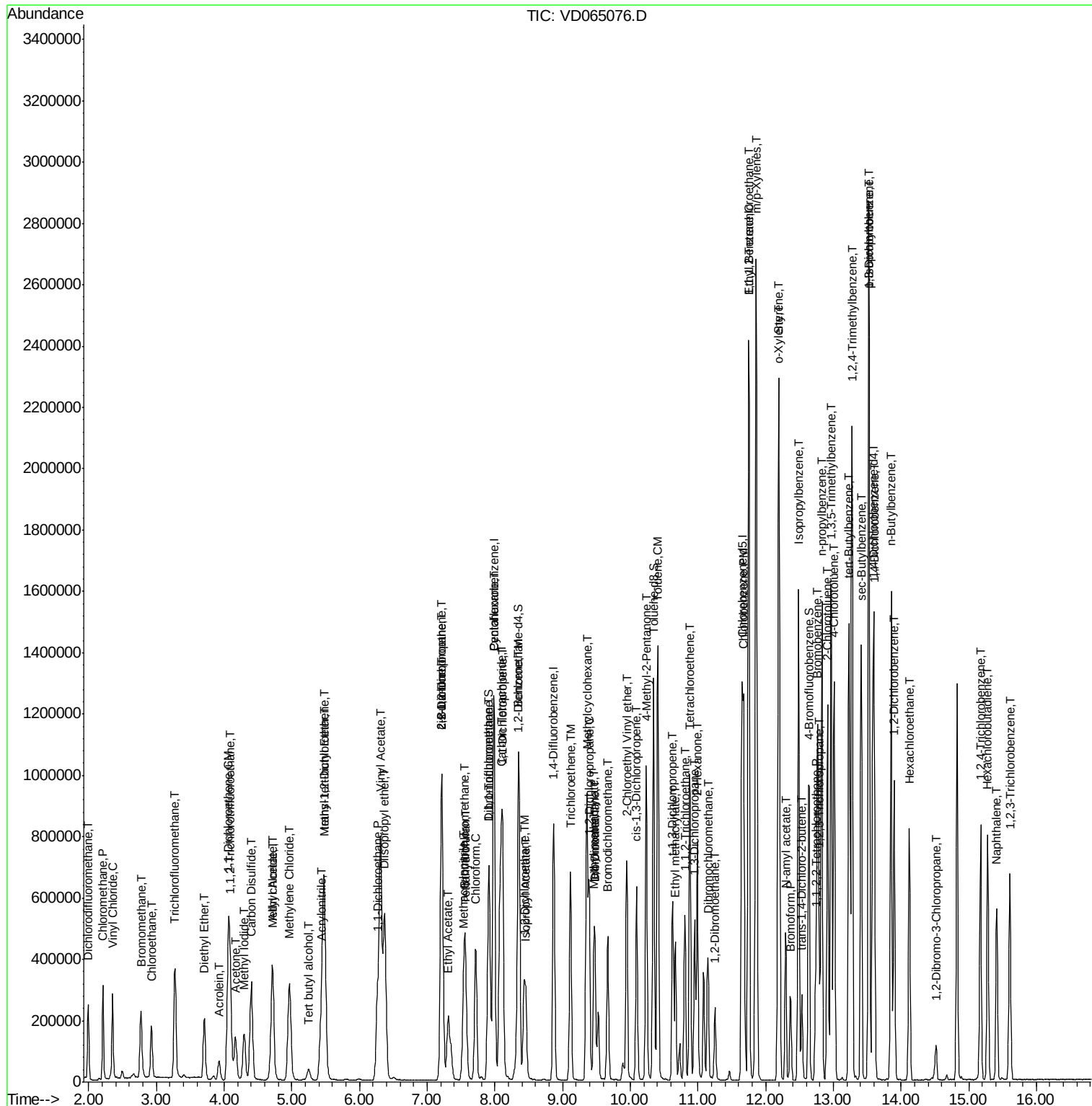
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020520\
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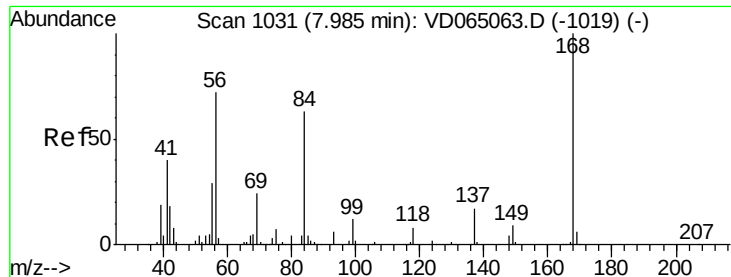
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 483210

Ion Ratio Lower Upper

168 100

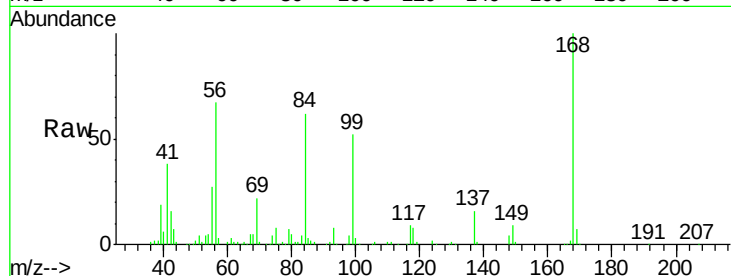
99 52.0 41.0 61.6

Manual Integrations

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2/6/2020 10:37:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

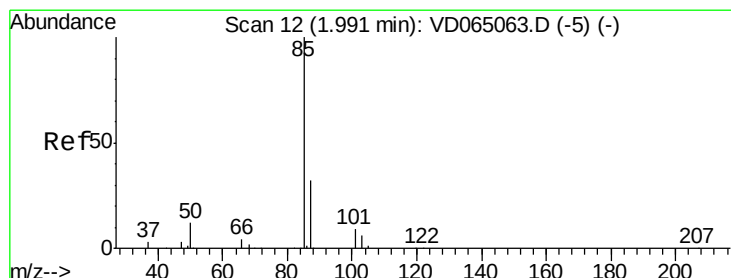
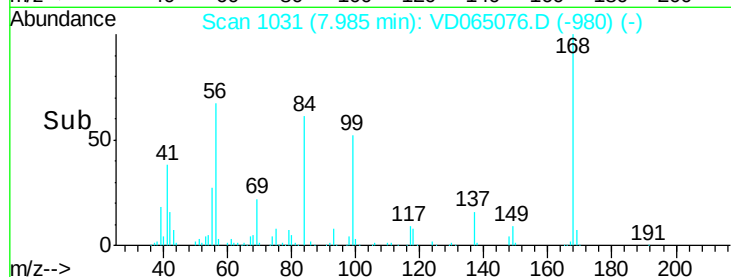
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.326 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065076.D

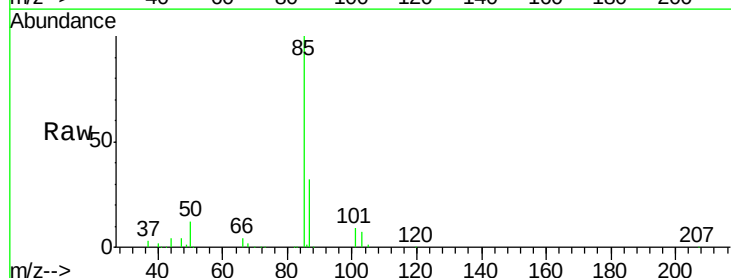
Acq: 05 Feb 2020 21:01

Tgt Ion: 85 Resp: 190304

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

100000

50000

0

1.90

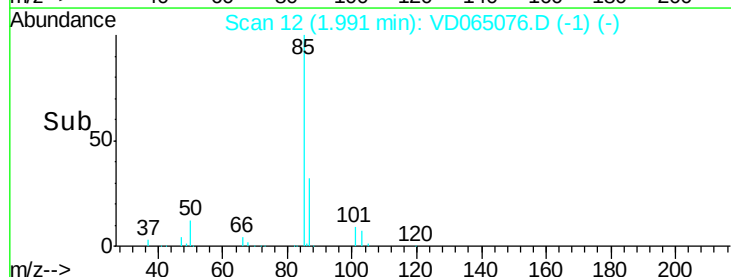
1.95

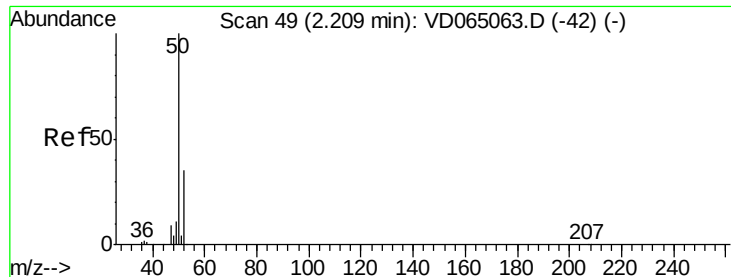
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 52.569 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 248835

Ion Ratio Lower Upper

50 100

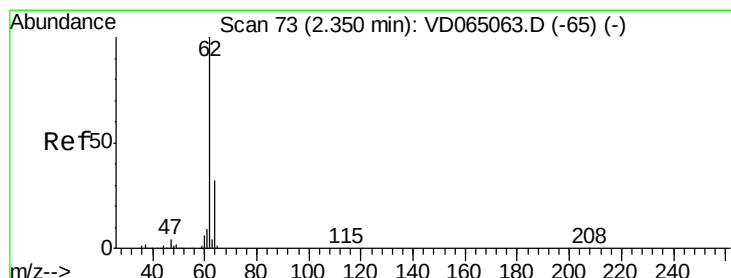
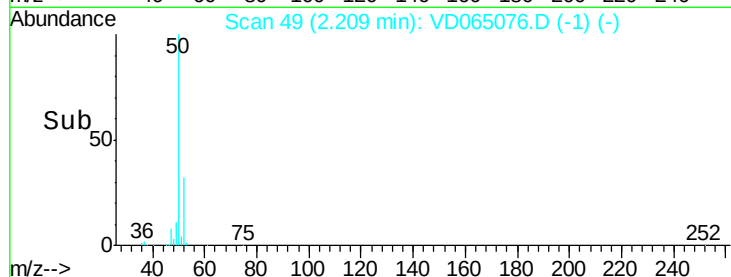
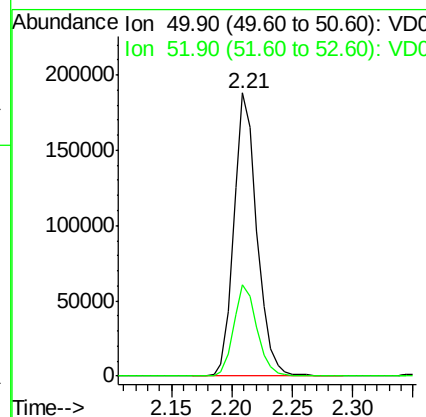
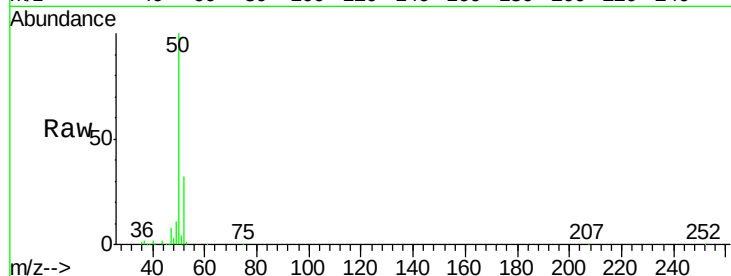
52 32.3 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.521 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065076.D

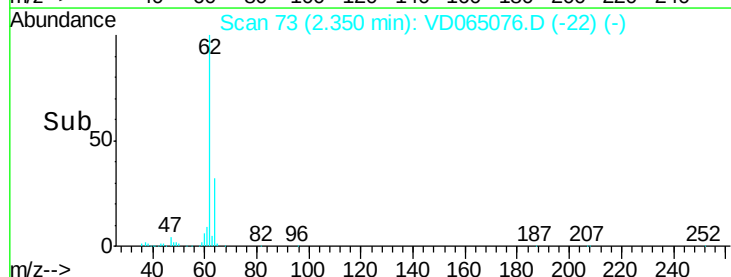
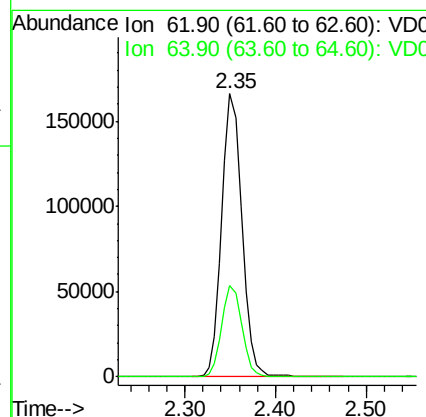
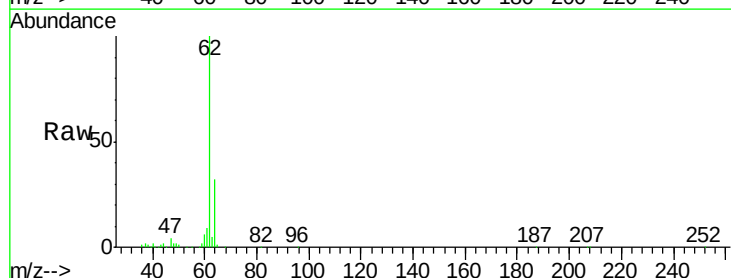
Acq: 05 Feb 2020 21:01

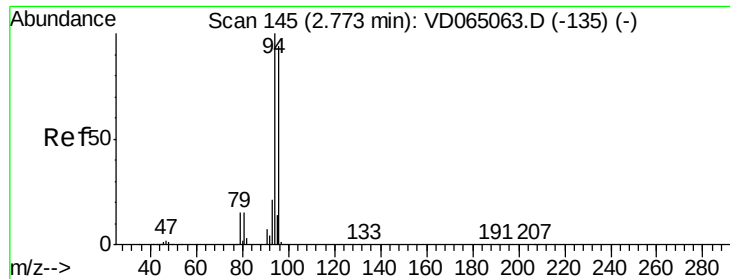
Tgt Ion: 62 Resp: 257916

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 52.662 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 170934

Ion Ratio Lower Upper

94 100

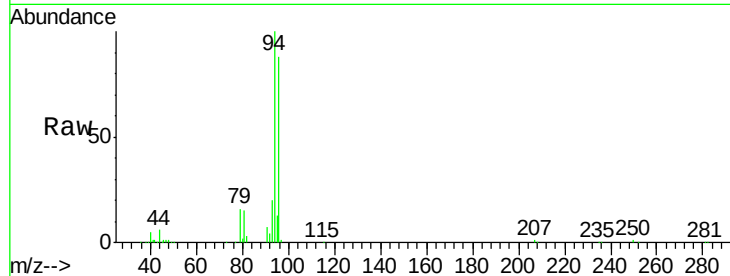
96 87.6 75.4 113.0

Manual Integrations

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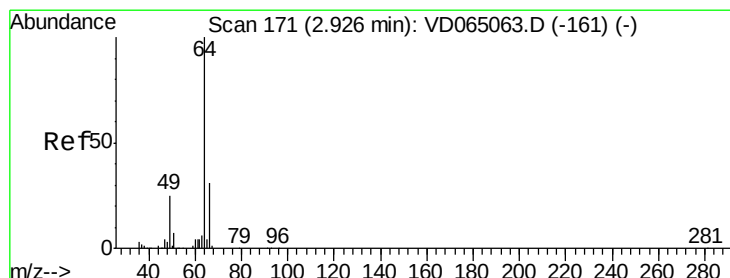
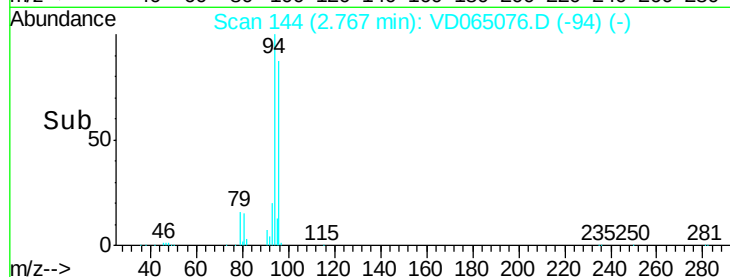
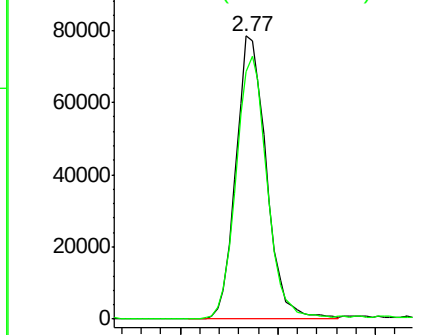
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2/6/2020 10:37:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.740 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065076.D

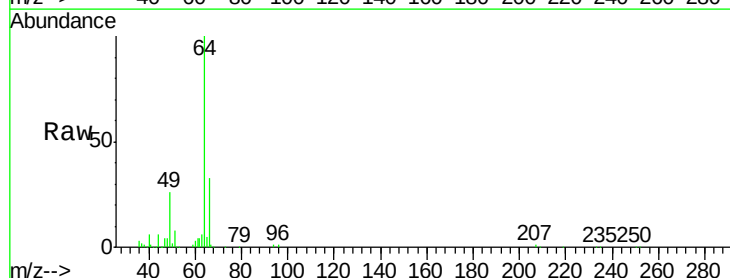
Acq: 05 Feb 2020 21:01

Tgt Ion: 64 Resp: 166877

Ion Ratio Lower Upper

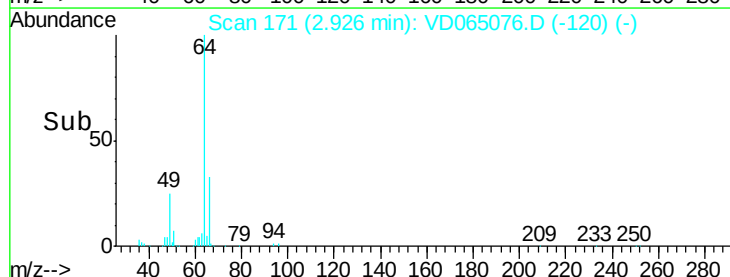
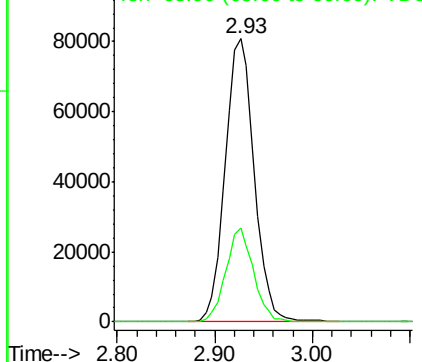
64 100

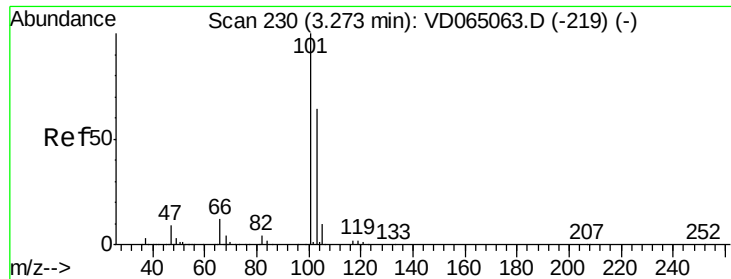
66 33.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

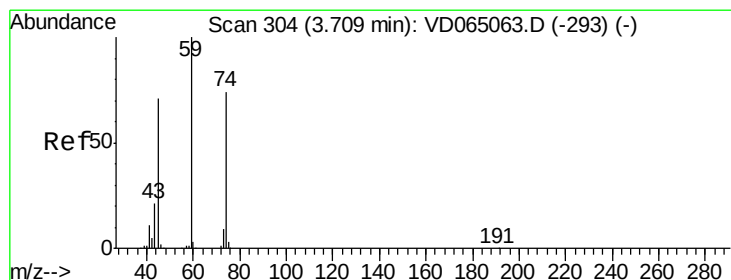
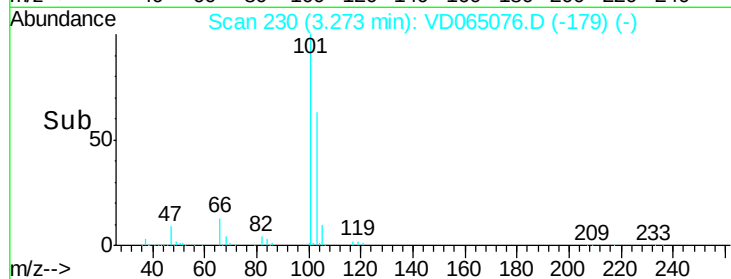
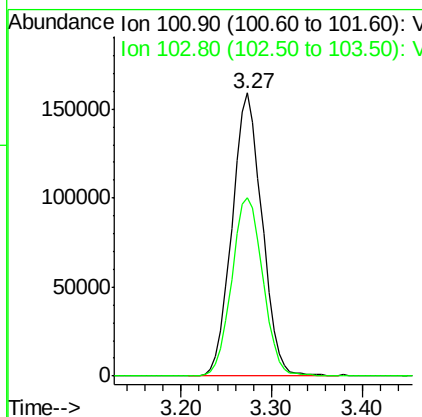
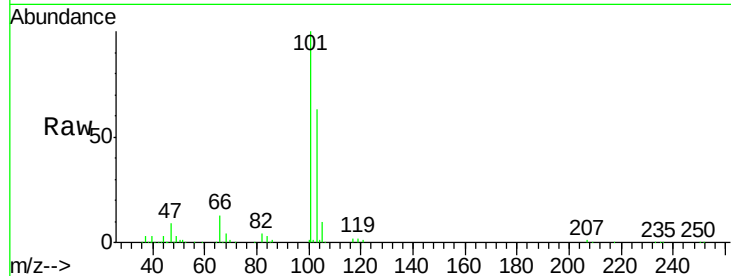
Trichlorofluoromethane
 Concen: 50.321 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065076.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.0	76.6

Manual Integrations
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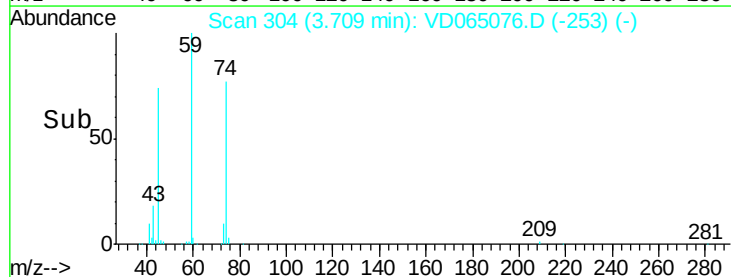
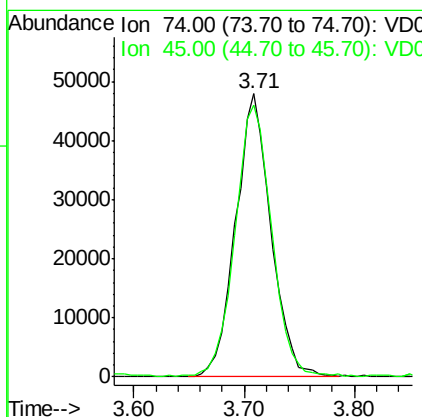
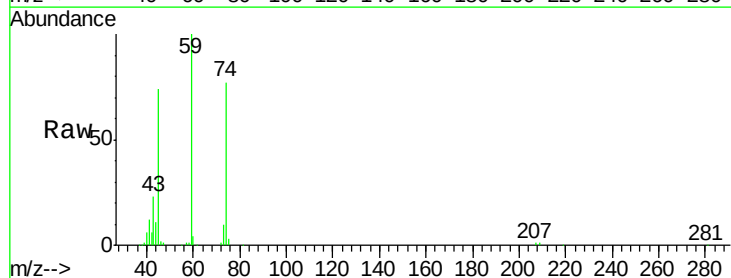
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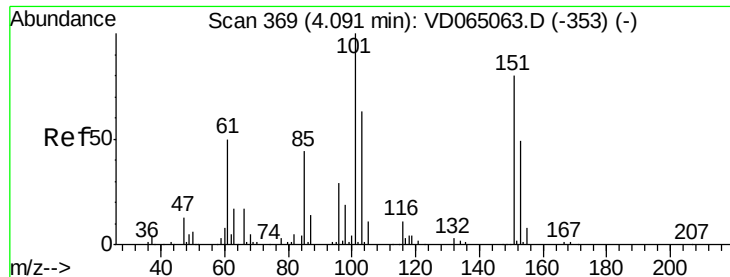


#8

Diethyl Ether
 Concen: 51.648 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065076.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.296 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

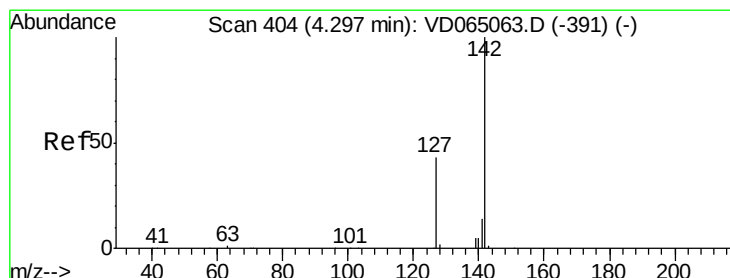
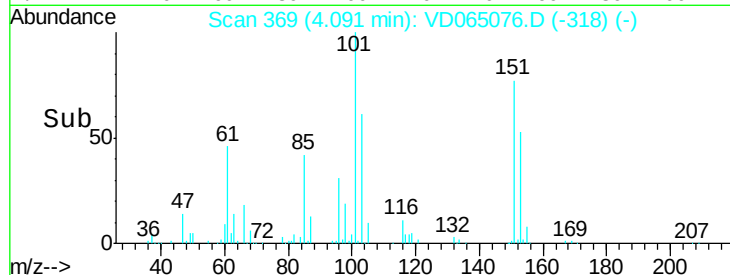
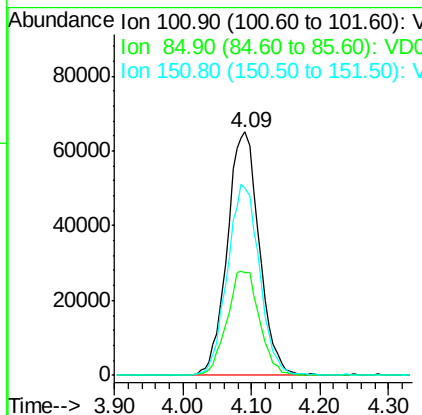
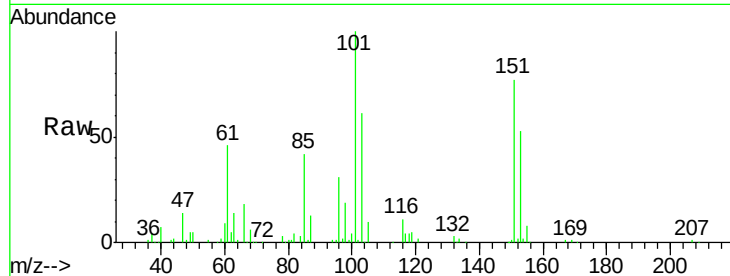
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	210638
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.0	51.0
151	78.5	64.0	96.0

Manual Integrations
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MMDadoda
2/6/2020 10:37:34 AM



#10

Methyl Iodide

Concen: 50.693 ug/l

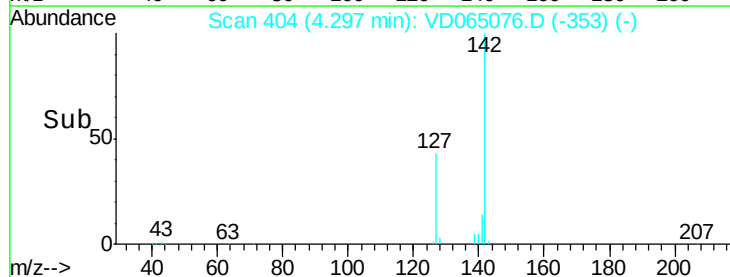
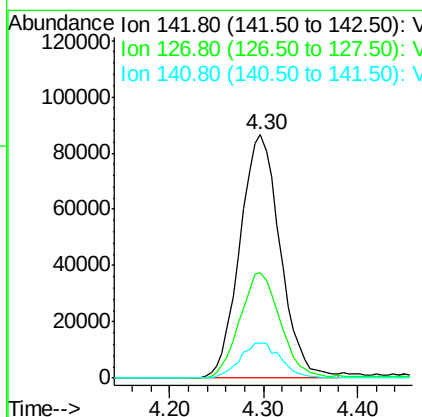
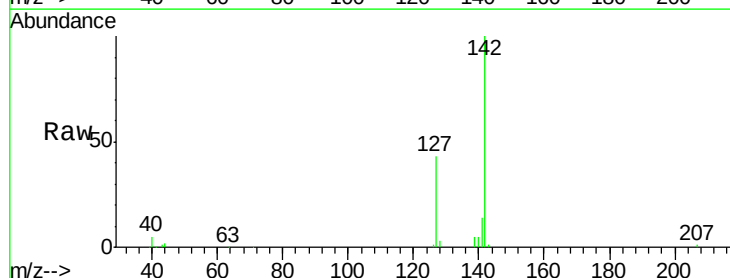
RT: 4.30 min Scan# 404

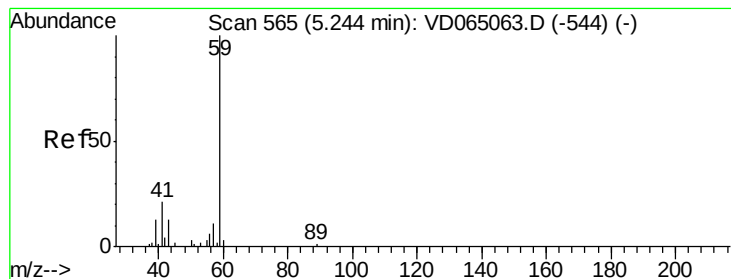
Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	142	Resp:	257690
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.0	51.0
141	14.8	11.6	17.4





#11

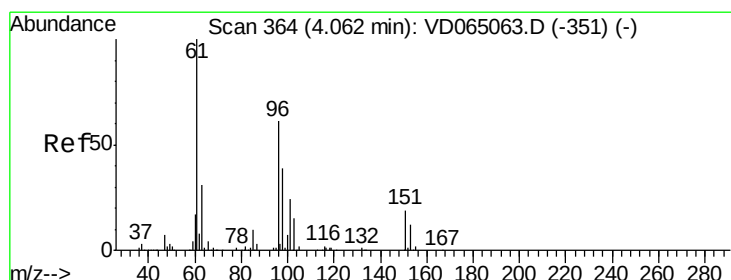
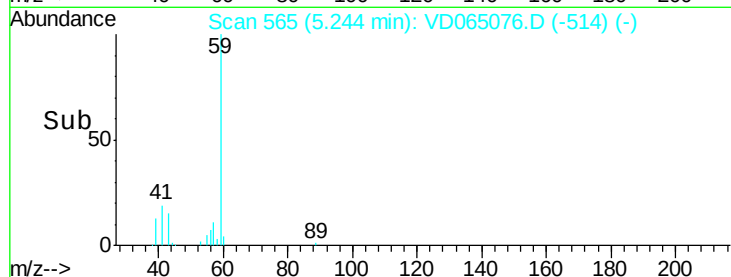
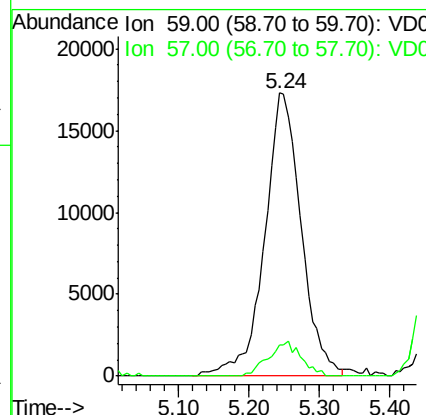
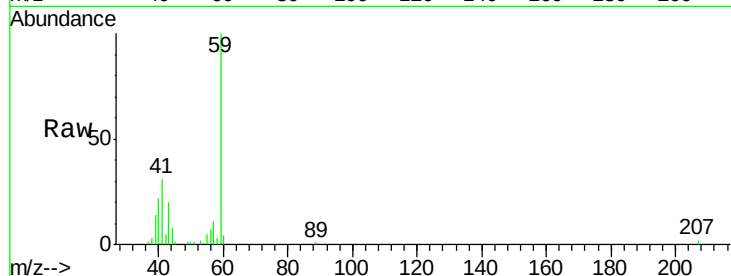
Tert butyl alcohol
 Concen: 249.031 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

Manual Integrations
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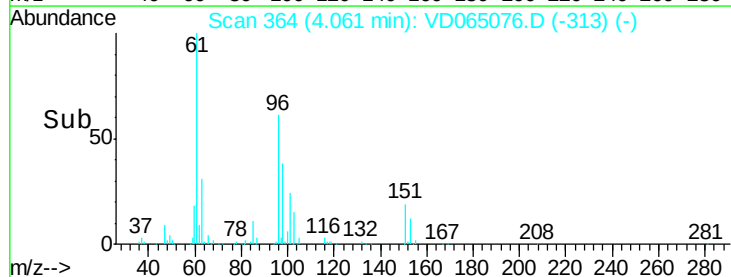
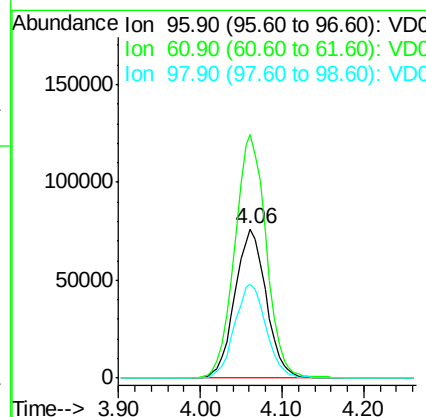
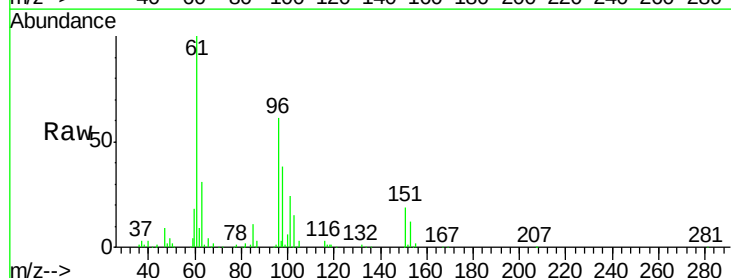
MMDadoda
 2/6/2020 10:37:34 AM

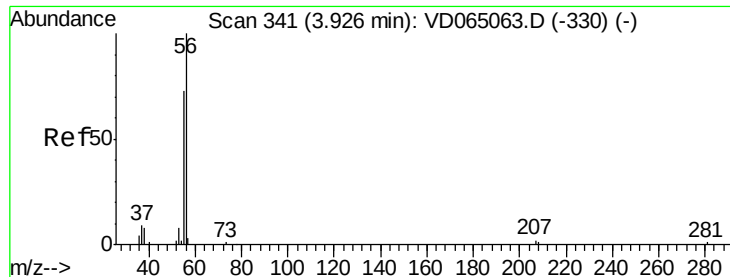


#12

1,1-Dichloroethene
 Concen: 47.609 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	131.4	197.2
98	62.6	51.1	76.7





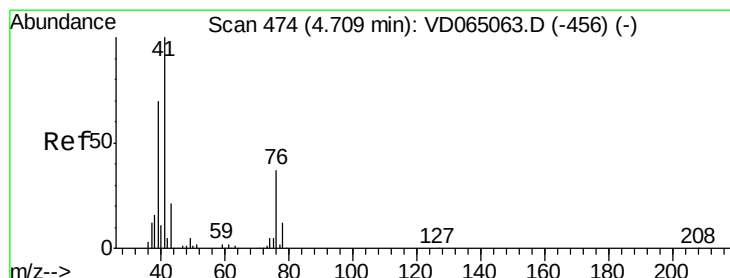
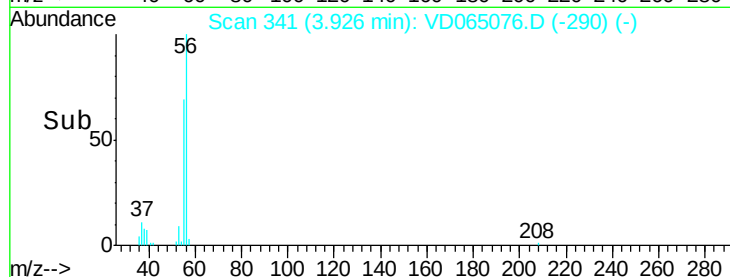
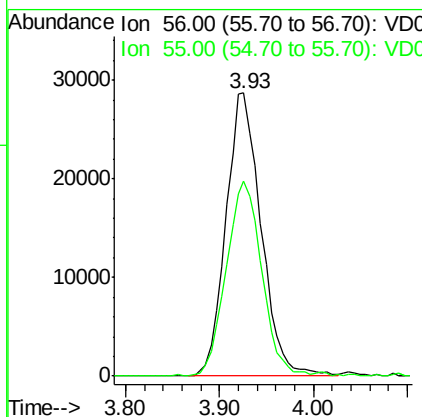
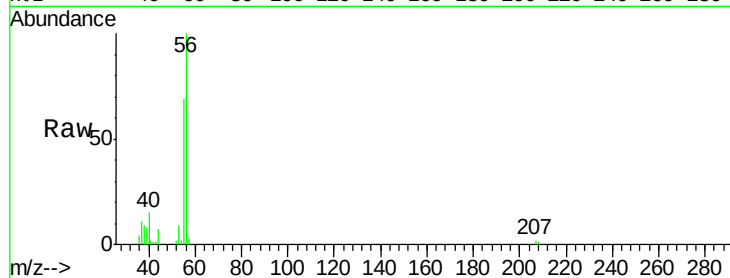
#13
Acrolein
Concen: 241.544 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	58.2	87.2

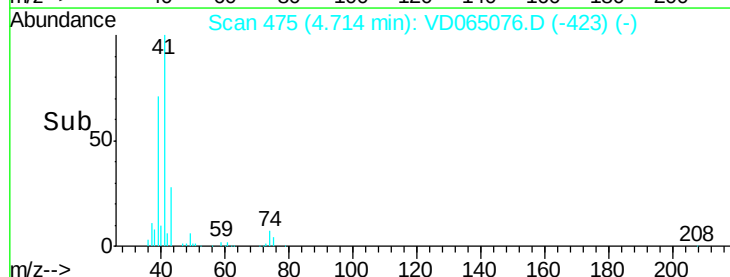
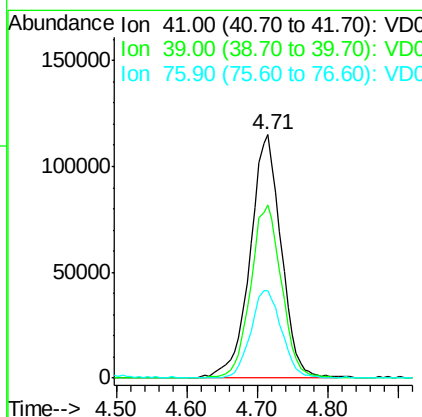
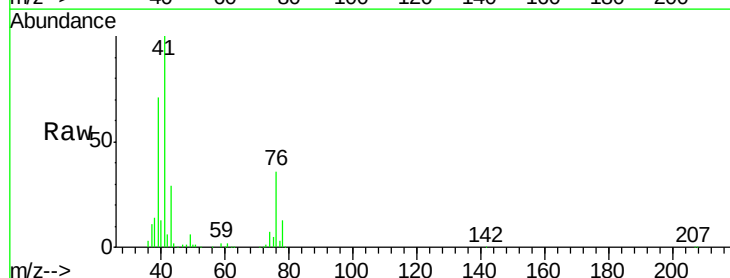
Manual Integrations
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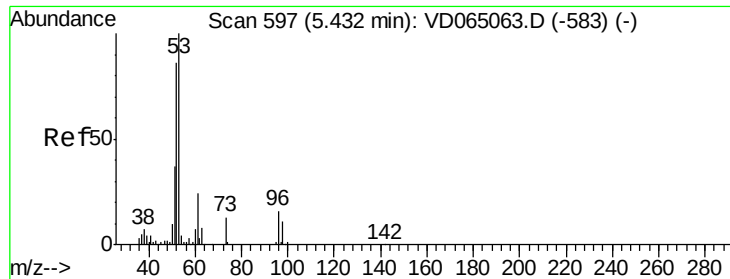
MMDadoda
2/6/2020 10:37:34 AM



#14
Allyl chloride
Concen: 49.936 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.7	57.1	85.7
76	35.9	28.0	42.0





#15

Acrylonitrile

Concen: 264.153 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

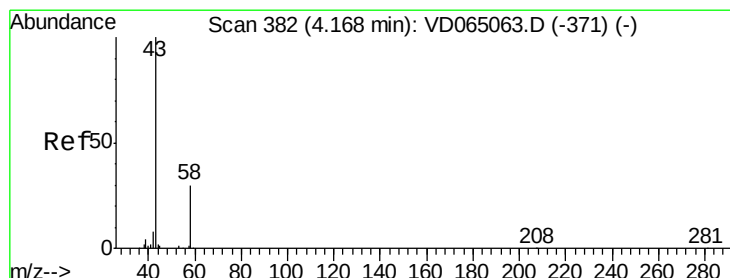
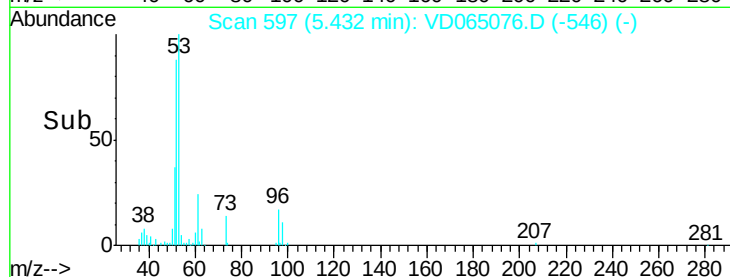
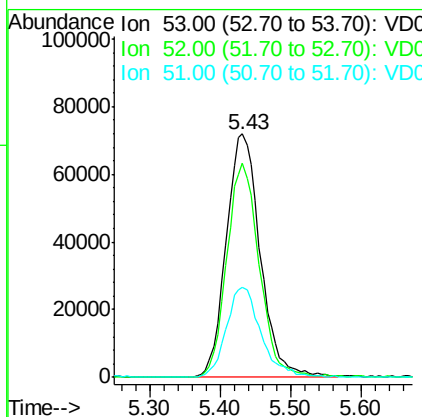
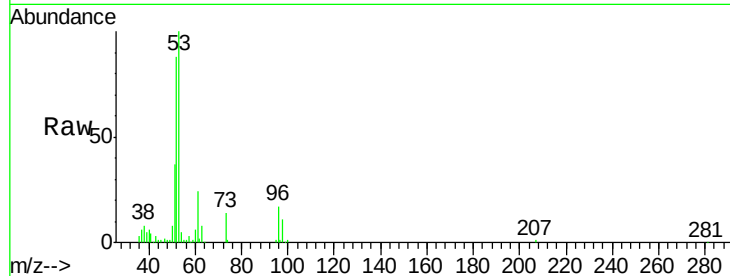
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	241528
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.2	99.2
51	37.5	30.4	45.6

Manual Integrations
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MMDadoda
2/6/2020 10:37:34 AM



#16

Acetone

Concen: 240.694 ug/l

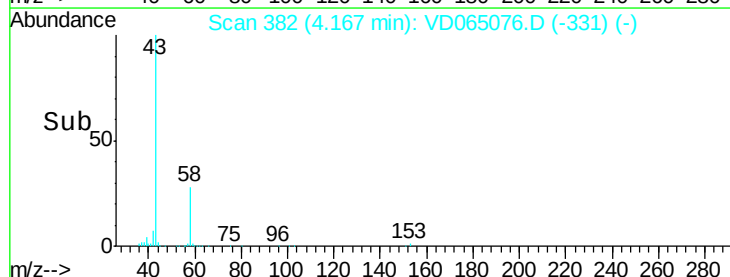
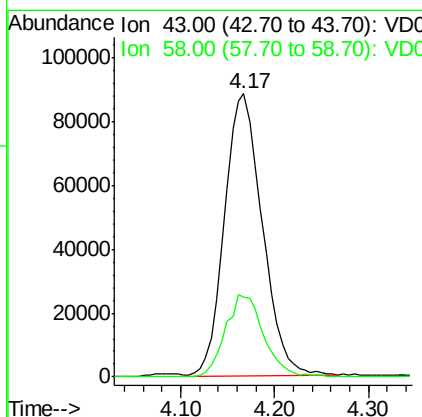
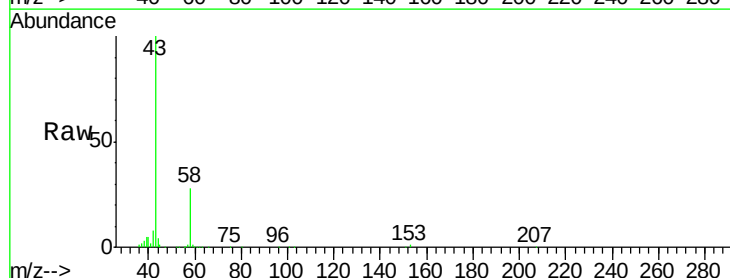
RT: 4.17 min Scan# 382

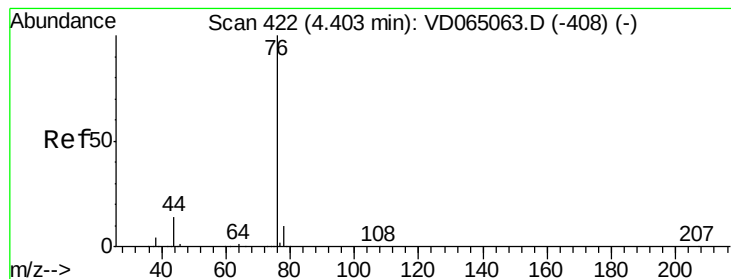
Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	43	Resp:	247142
Ion Ratio		Lower	Upper
43	100		
58	28.0	23.5	35.3





#17

Carbon Disulfide

Concen: 49.712 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 680813

Ion Ratio Lower Upper

76 100

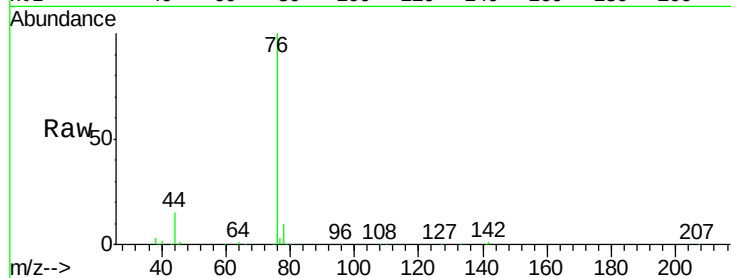
78 9.6 7.6 11.4

Manual Integrations

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MMDadoda

2/6/2020 10:37:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

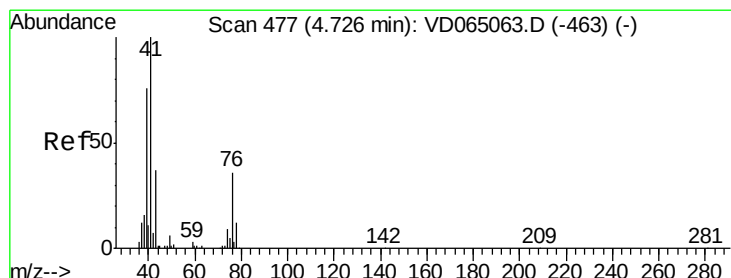
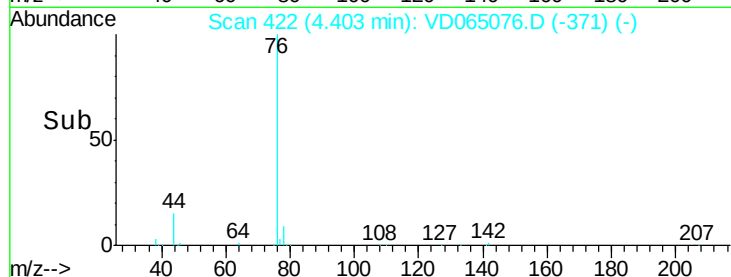
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 54.206 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065076.D

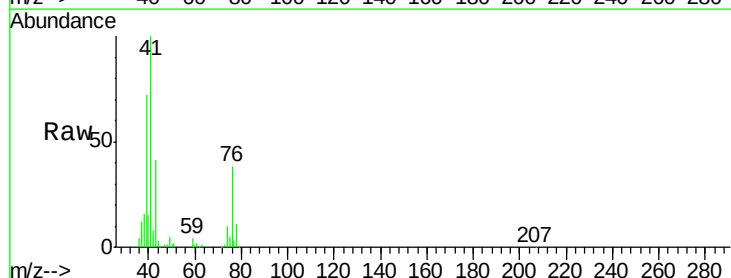
Acq: 05 Feb 2020 21:01

Tgt Ion: 43 Resp: 116286

Ion Ratio Lower Upper

43 100

74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

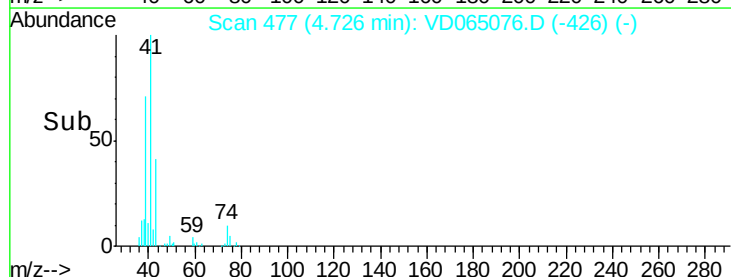
20000

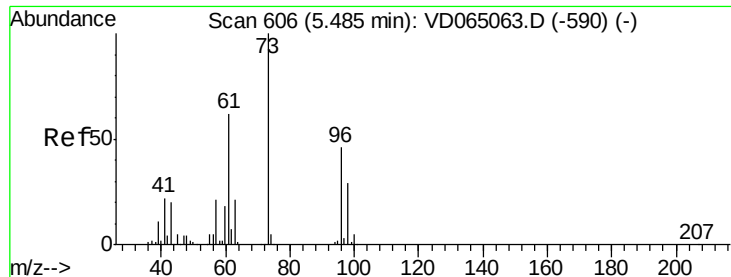
10000

0

4.60 4.70 4.80 4.90

Time-->





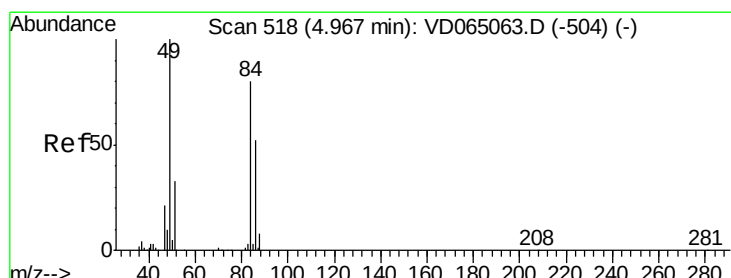
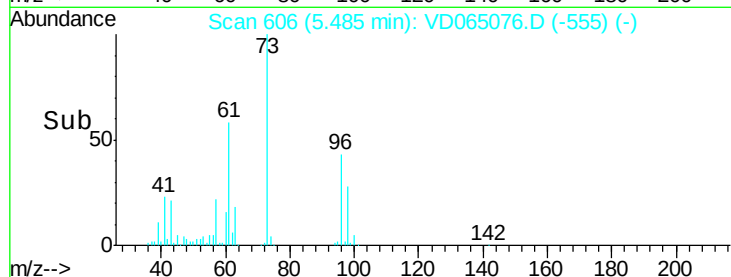
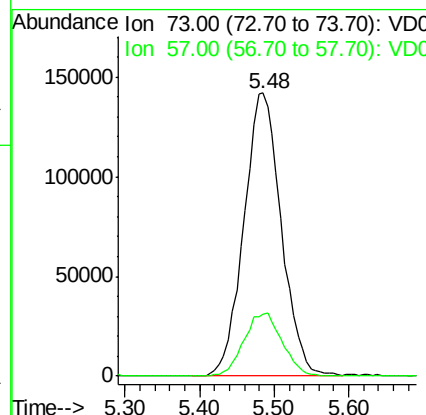
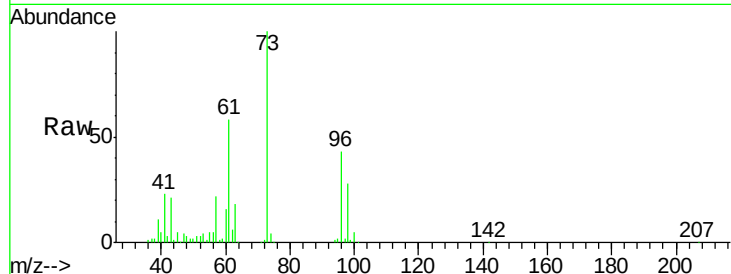
#19
Methyl tert-butyl Ether
Concen: 52.334 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.8	25.2

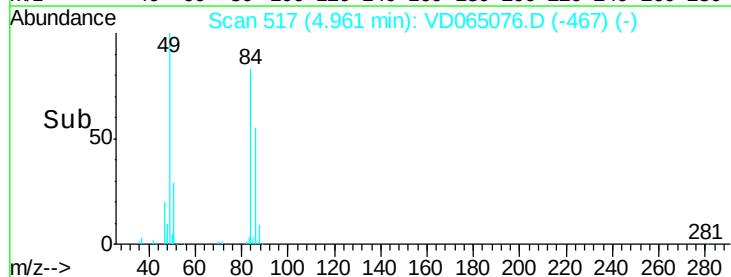
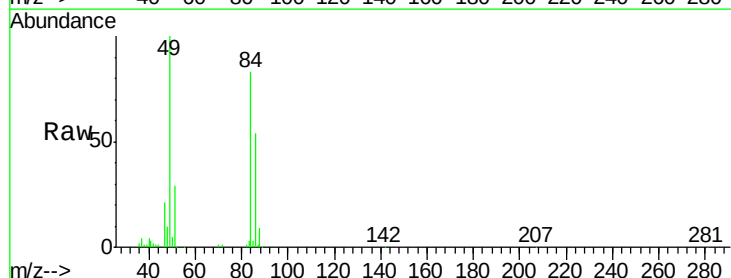
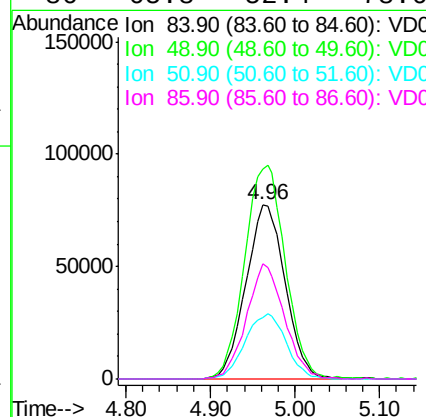
Manual Integrations
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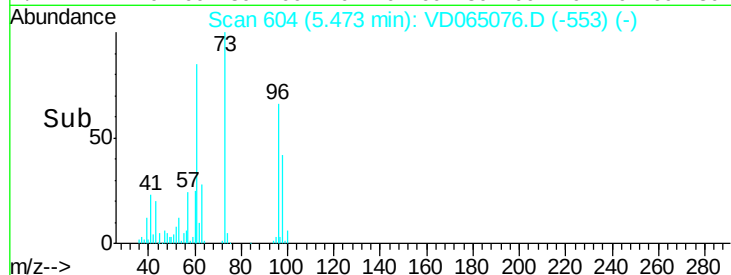
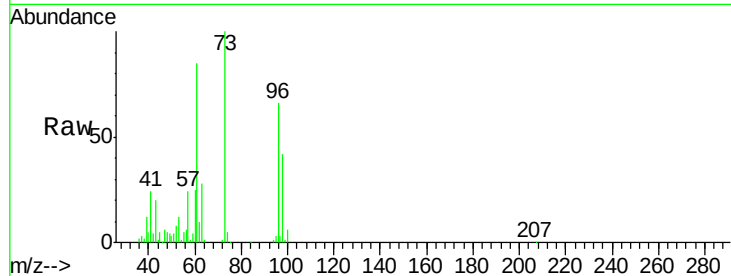
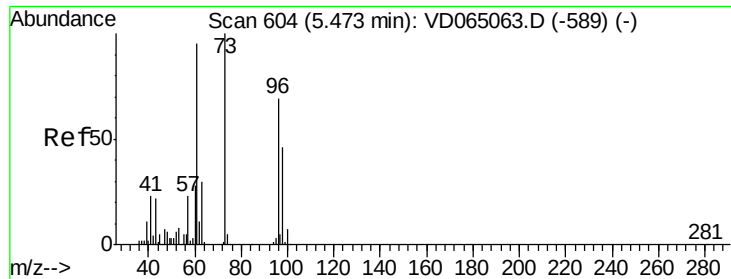
MMDadoda
2/6/2020 10:37:34 AM



#20
Methylene Chloride
Concen: 55.776 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	100.4	150.6
51	35.4	32.7	49.1
86	65.8	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 50.276 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tot Ion:	96	Resp:	242623
Ion	Ratio	Lower	Upper
96	100		
61	128.6	109.5	164.3
98	64.1	53.7	80.5

Instrument :

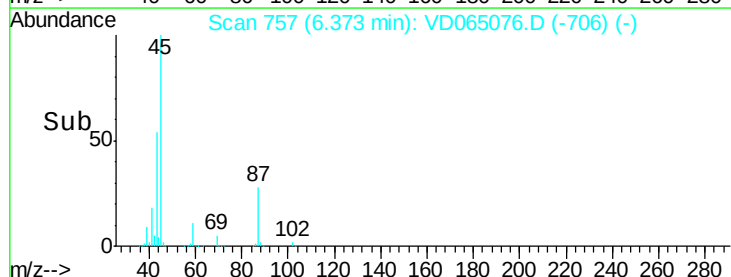
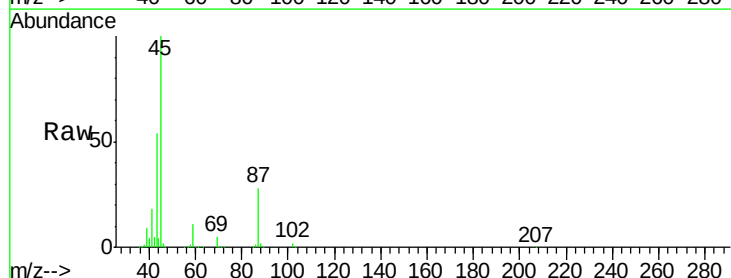
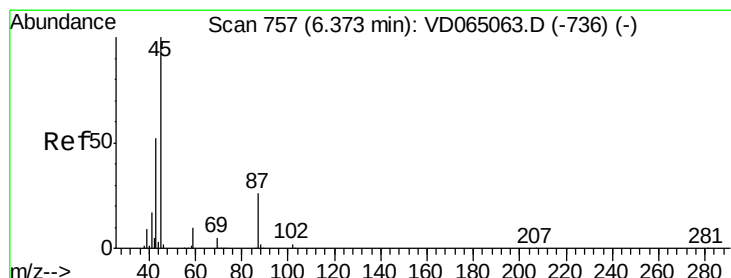
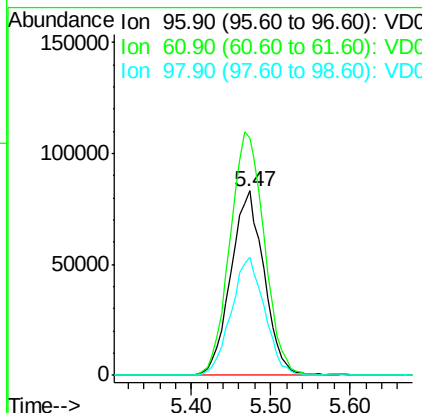
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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MMDadoda
2/6/2020 10:37:34 AM



#22

Diisopropyl ether

Concen: 53.814 ug/l

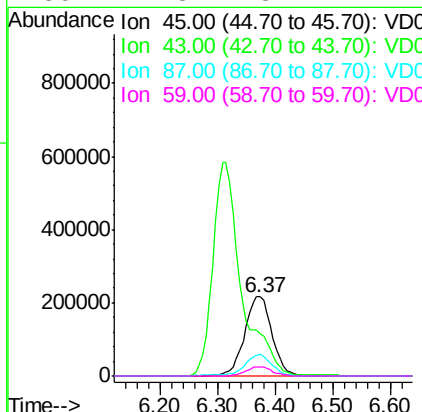
RT: 6.37 min Scan# 757

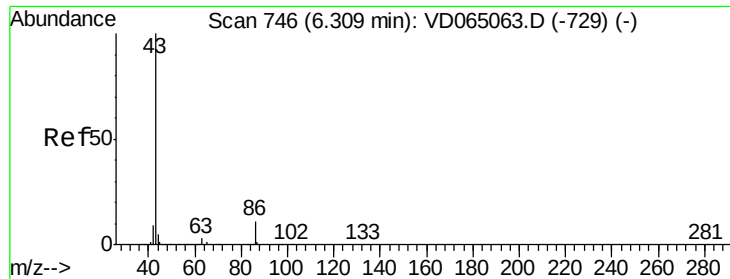
Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	45	Resp:	719569
Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.3	61.9
87	27.7	21.0	31.6
59	11.3	8.2	12.4





#23

Vinyl Acetate

Concen: 269.204 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tot Ion: 43 Resp: 2006383

Ion Ratio Lower Upper

43 100

86 10.8 8.5 12.7

Instrument :

MSVOA_D

ClientSampleId :

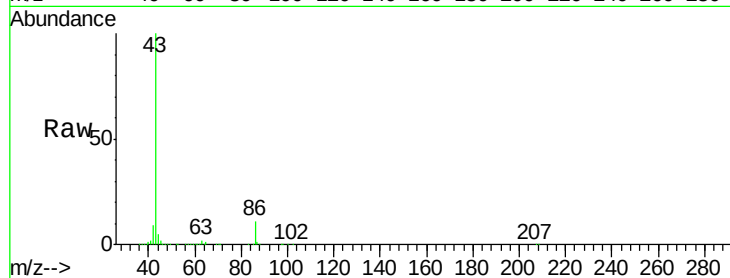
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

2/6/2020 10:37:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

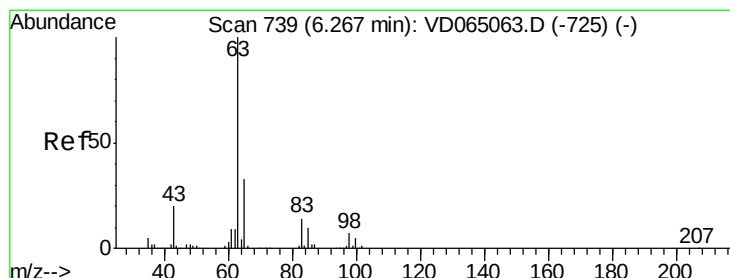
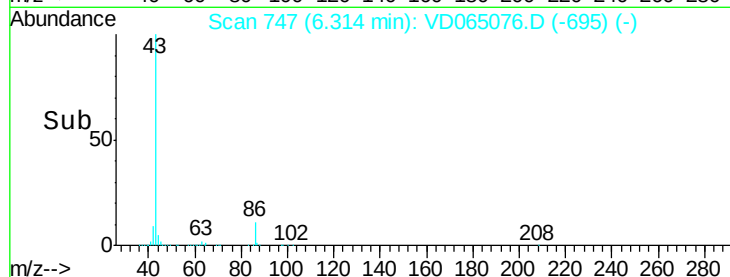
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.097 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

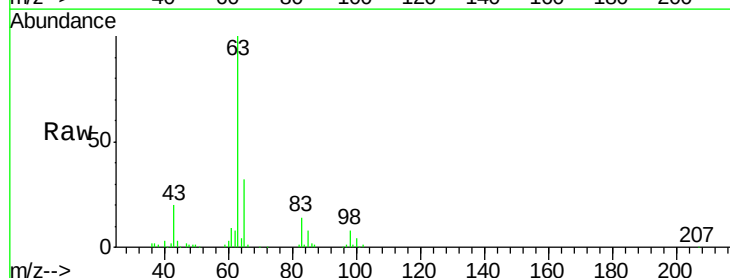
Tgt Ion: 63 Resp: 413559

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.0 2.5 7.6



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

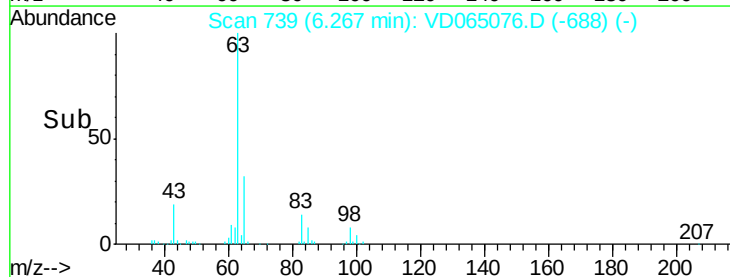
150000

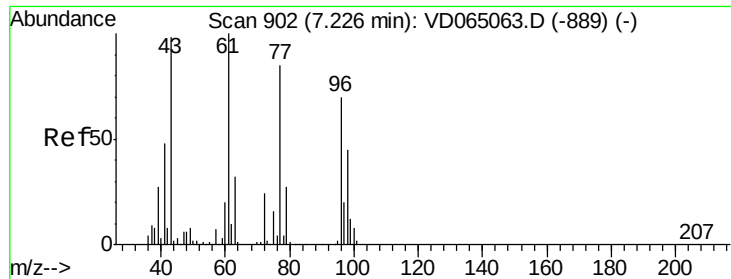
100000

50000

0

Time-->





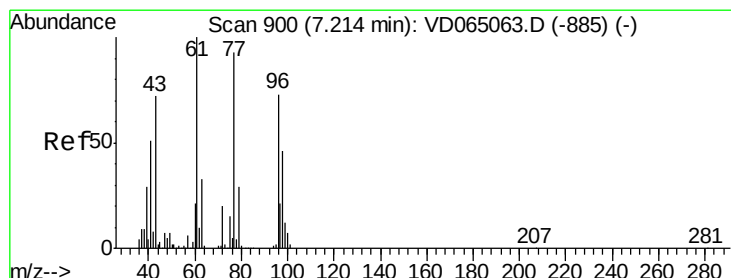
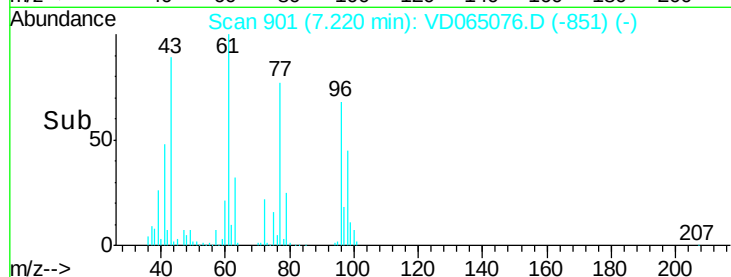
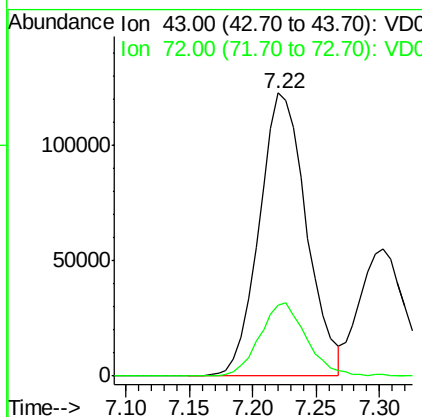
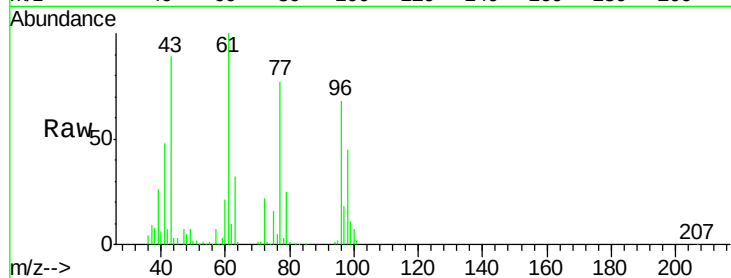
#25
2-Butanone
Concen: 258.565 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 316692
Ion Ratio Lower Upper
43 100
72 25.0 19.9 29.9

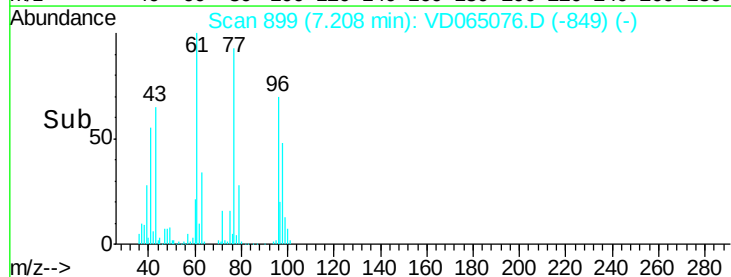
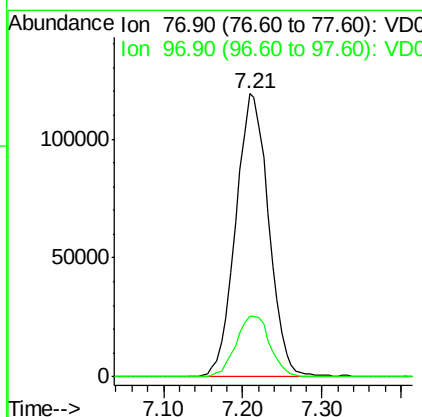
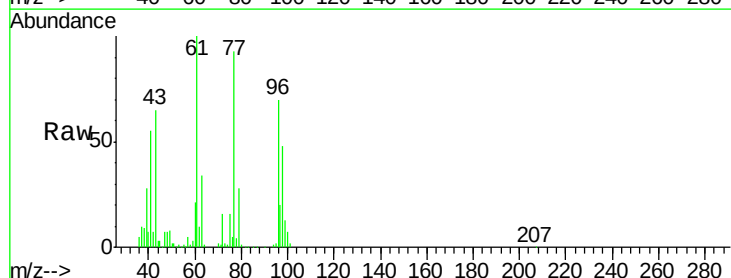
Manual Integrations
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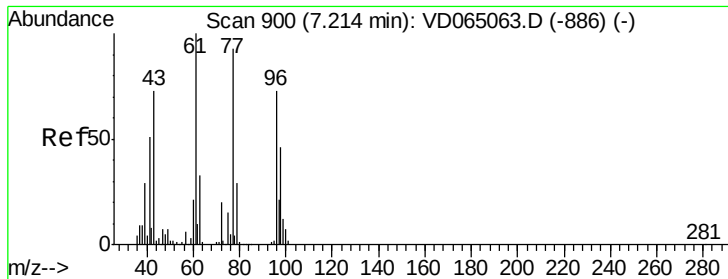
MMDadoda
2/6/2020 10:37:34 AM



#26
2,2-Dichloropropane
Concen: 47.519 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion: 77 Resp: 344726
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.6





#27

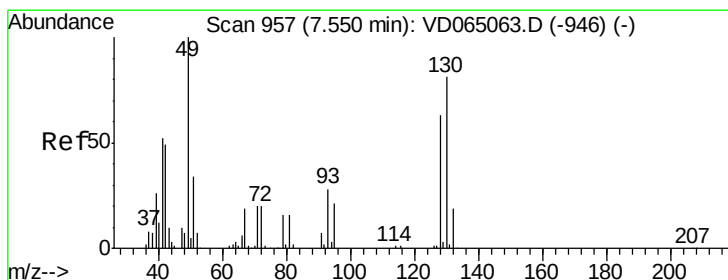
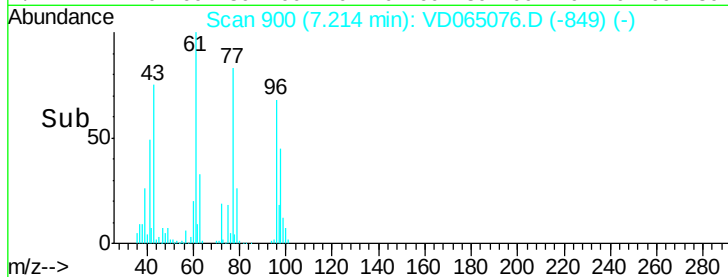
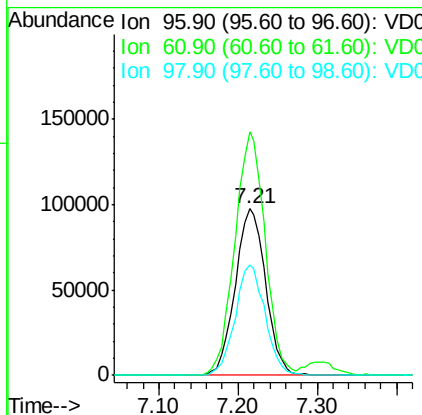
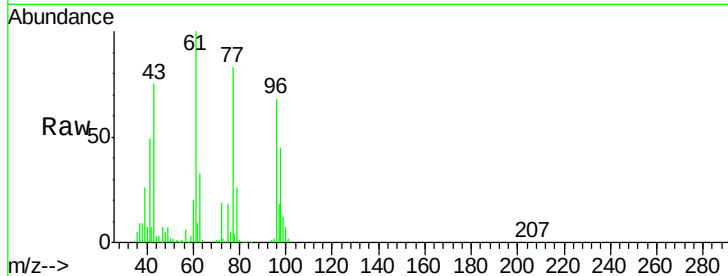
cis-1,2-Dichloroethene
Concen: 50.699 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	259924		
61	145.4	0.0	292.8	
98	65.2	0.0	128.8	

Manual Integrations
APPROVED

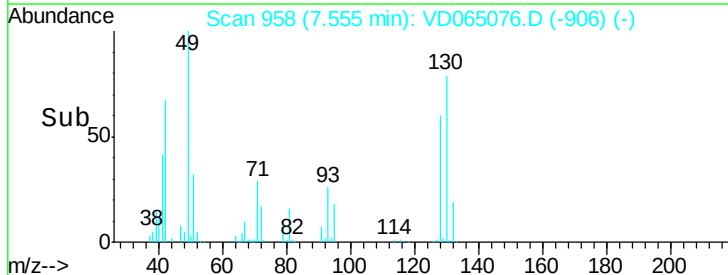
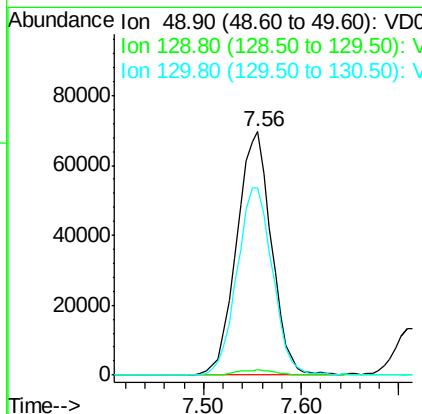
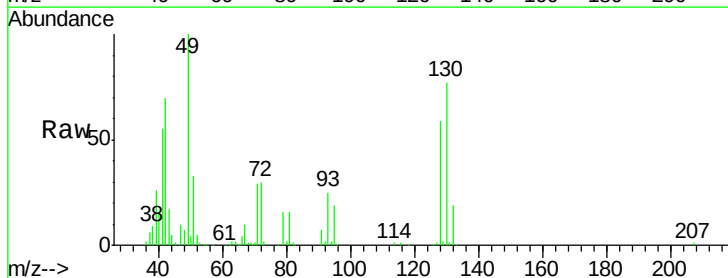
MMDadoda
2/6/2020 10:37:34 AM

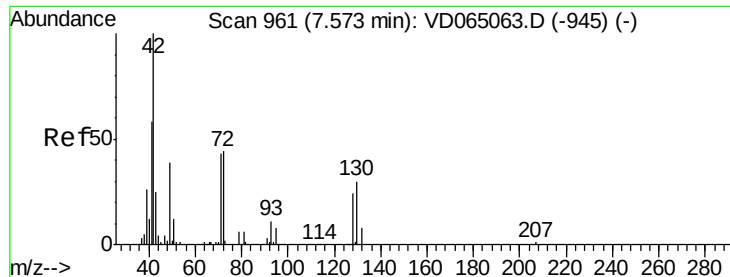


#28

Bromochloromethane
Concen: 56.110 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172147		
129	2.2	0.0	4.4	
130	79.0	63.8	95.8	





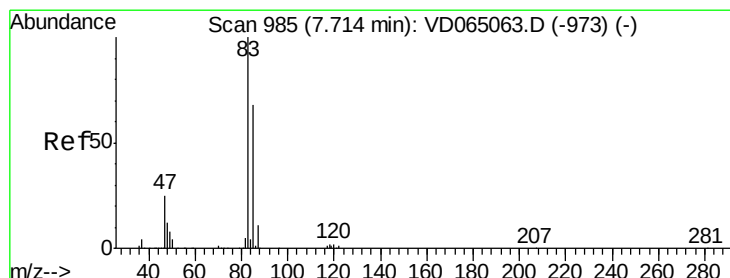
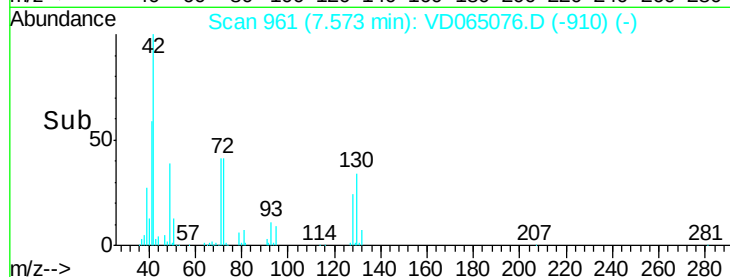
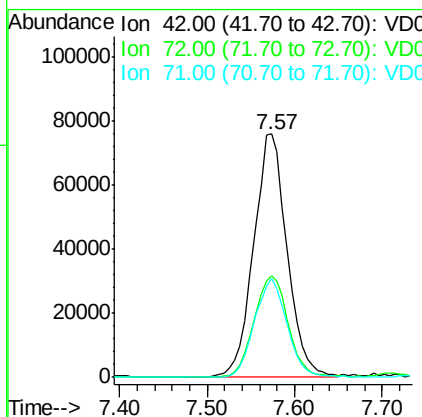
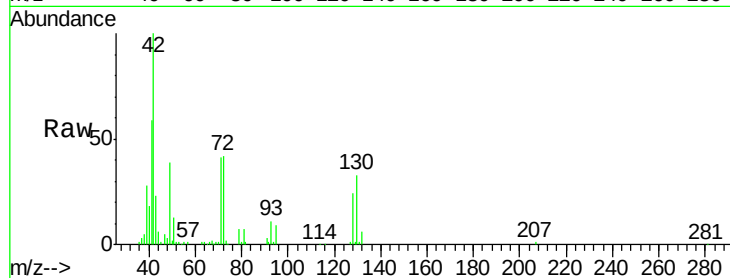
#29
Tetrahydrofuran
Concen: 269.321 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.4
71	39.4	31.8	47.6

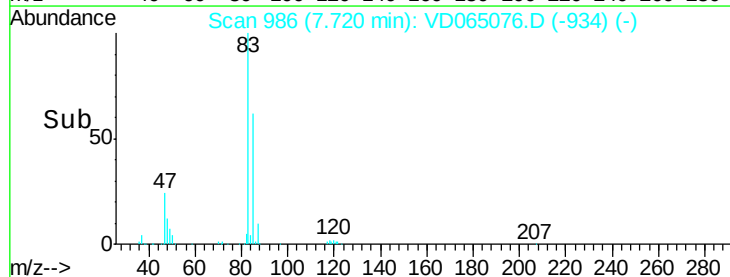
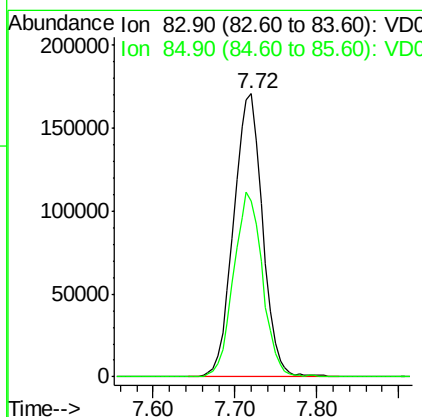
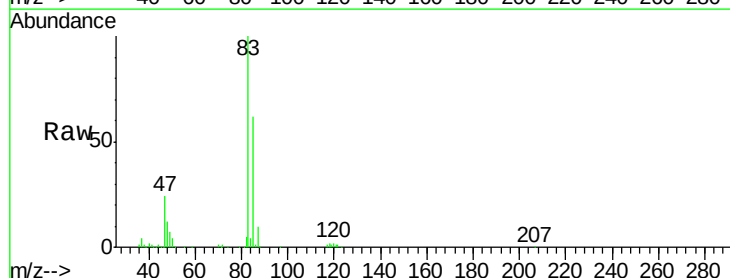
Manual Integrations
APPROVED

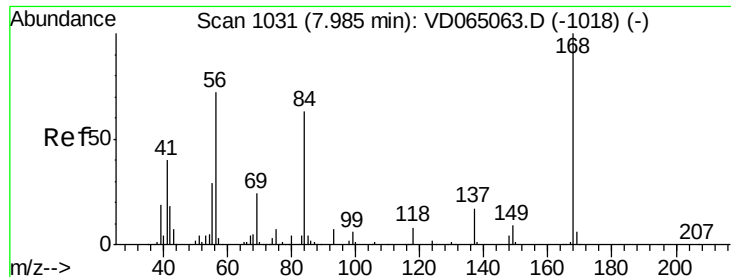
MMDadoda
2/6/2020 10:37:34 AM



#30
Chloroform
Concen: 52.395 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	54.2	81.4





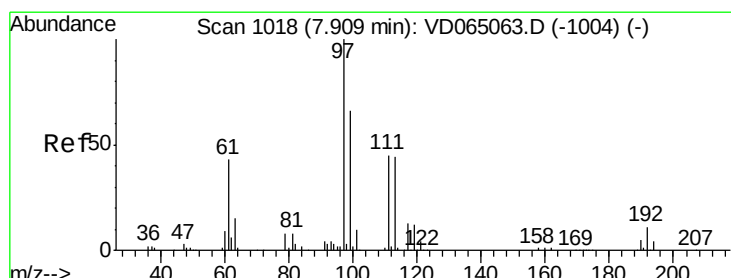
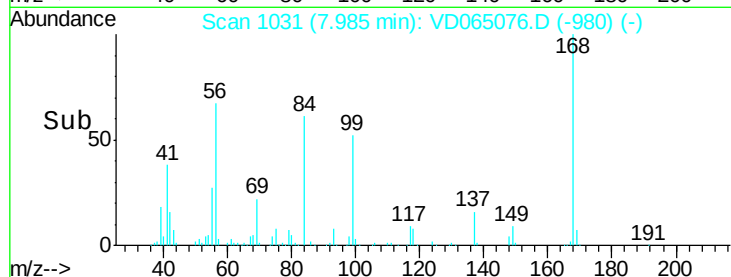
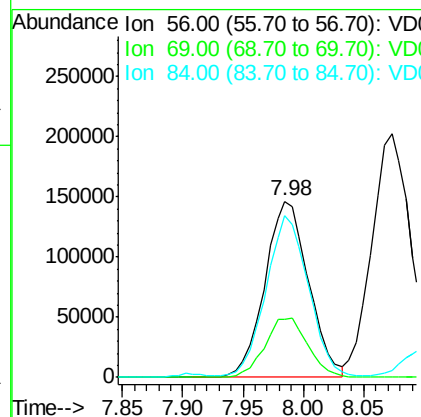
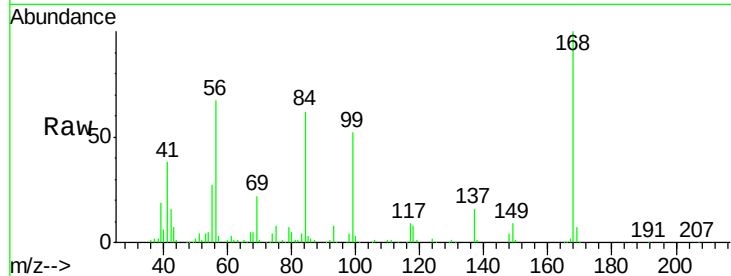
#31
Cyclohexane
Concen: 44.985 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	90.5	70.6	106.0

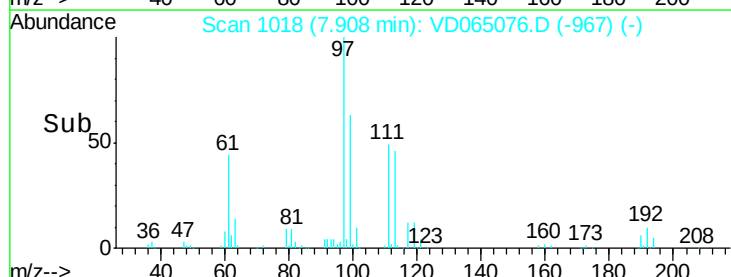
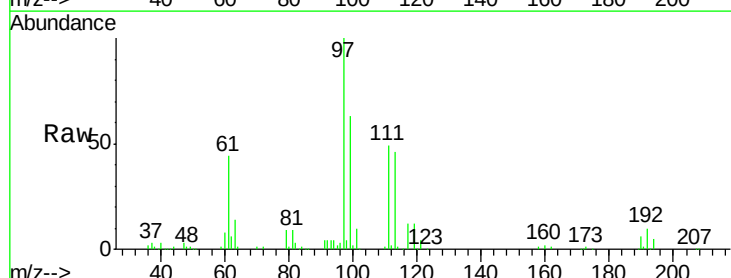
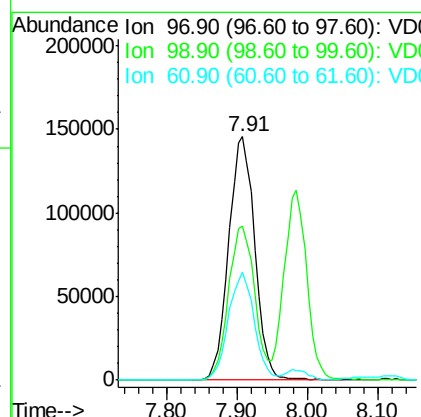
Manual Integrations
APPROVED

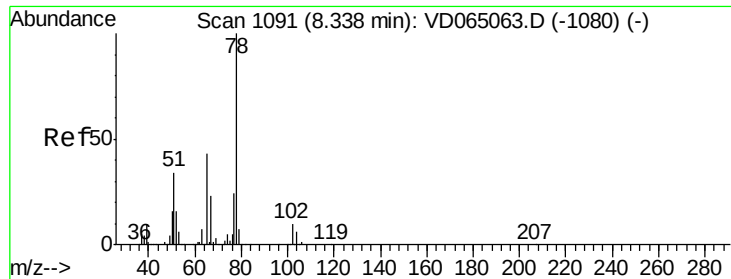
MMDadoda
2/6/2020 10:37:34 AM



#32
1,1,1-Trichloroethane
Concen: 49.903 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	43.6	34.8	52.2





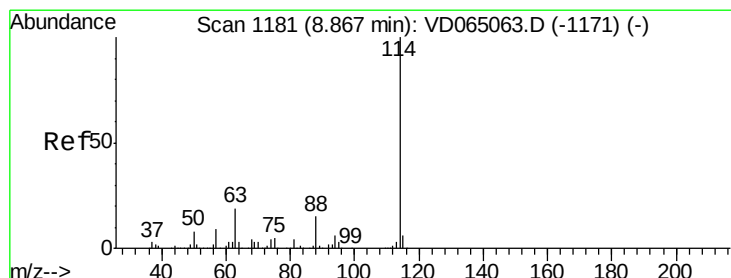
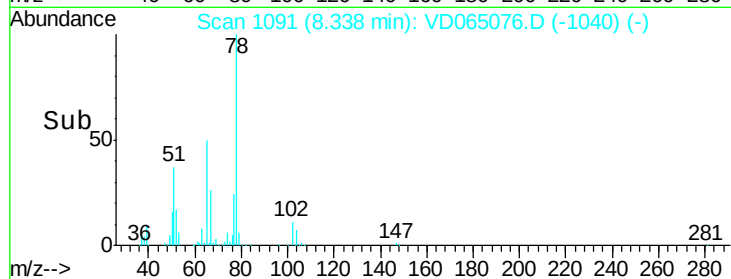
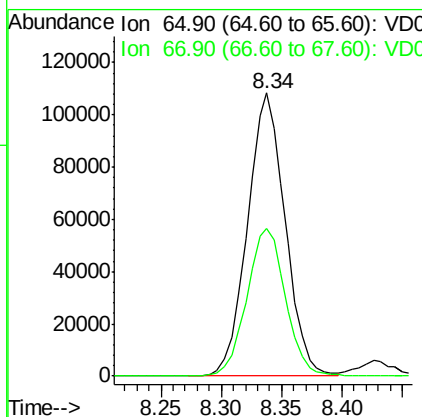
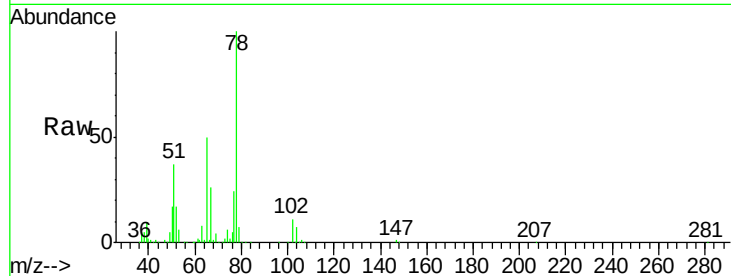
#33
 1,2-Dichloroethane-d4
 Concen: 57.462 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	235990		
67	53.6	0.0	105.8	

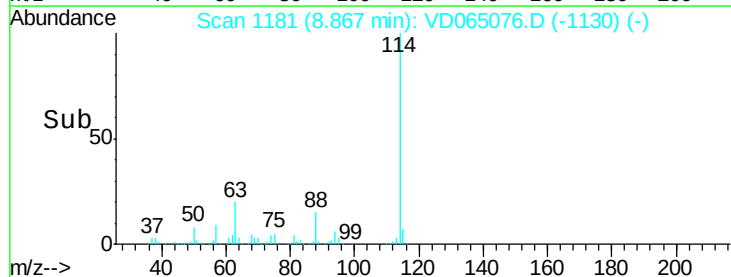
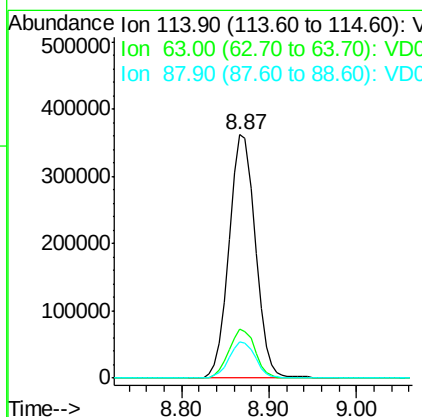
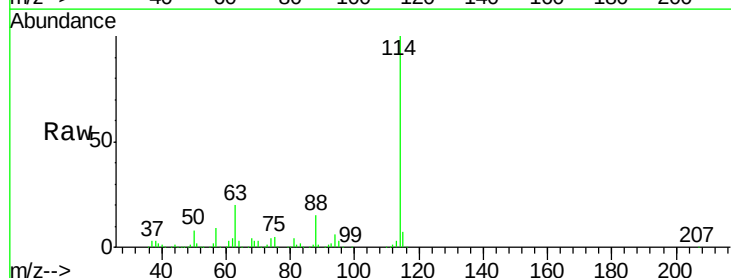
Manual Integrations
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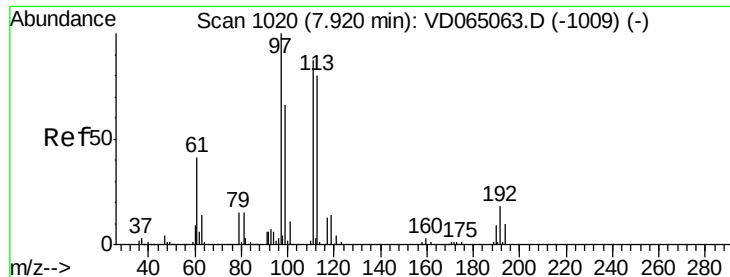
MMDadoda
 2/6/2020 10:37:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	738217		
63	20.2	0.0	38.8	
88	14.9	0.0	29.6	





#35

Dibromofluoromethane

Concen: 55.475 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

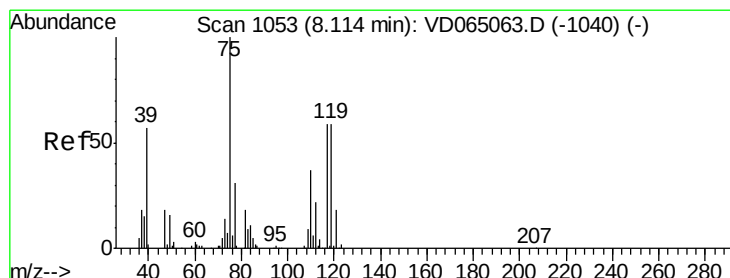
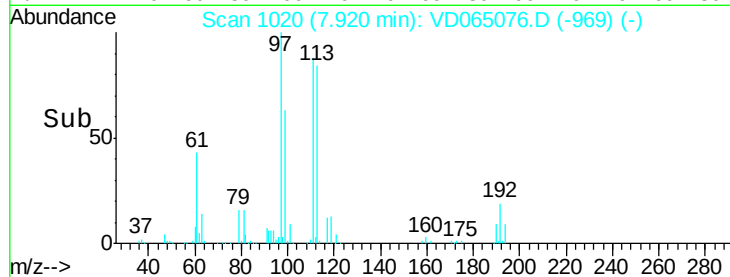
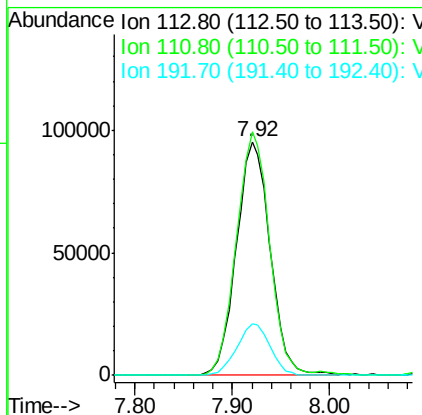
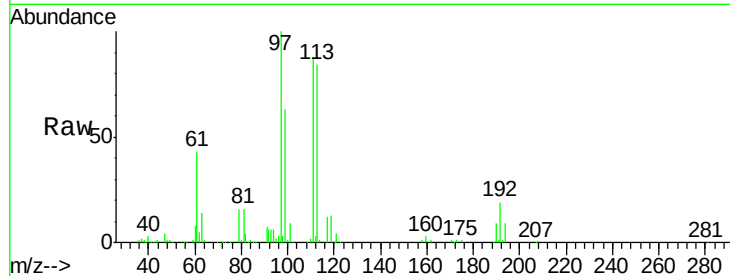
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	228491
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.1	124.7
192	21.8	18.1	27.1

Manual Integrations
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MMDadoda
2/6/2020 10:37:34 AM



#36

1,1-Dichloropropene

Concen: 47.498 ug/l

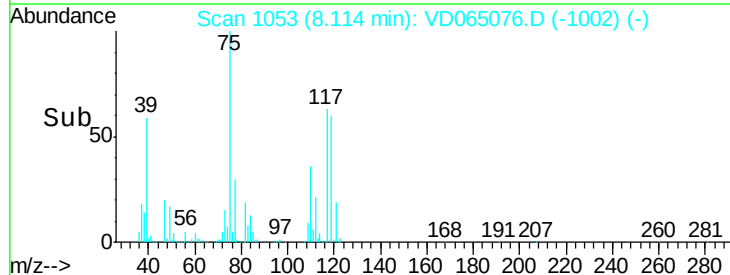
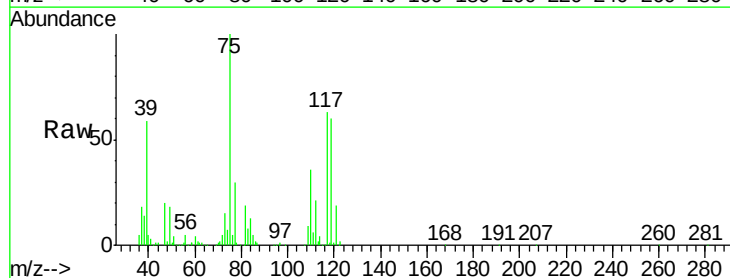
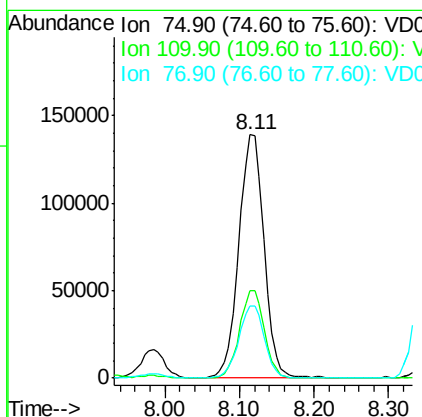
RT: 8.11 min Scan# 1053

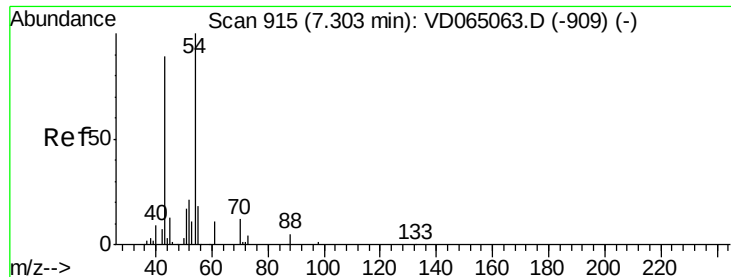
Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	75	Resp:	326044
Ion Ratio	Lower	Upper	
75	100		
110	35.5	18.1	54.3
77	30.6	24.7	37.1





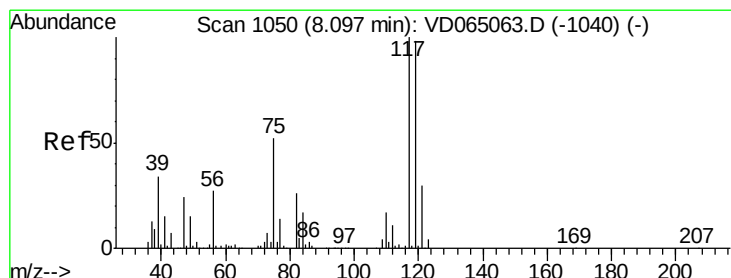
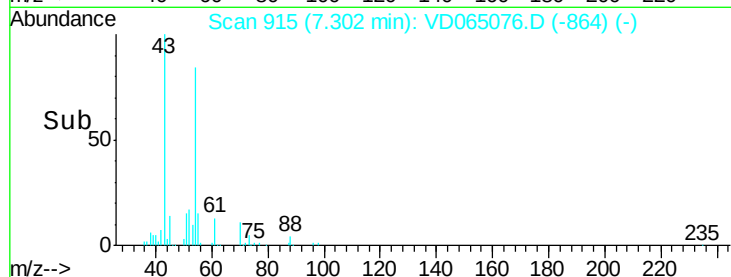
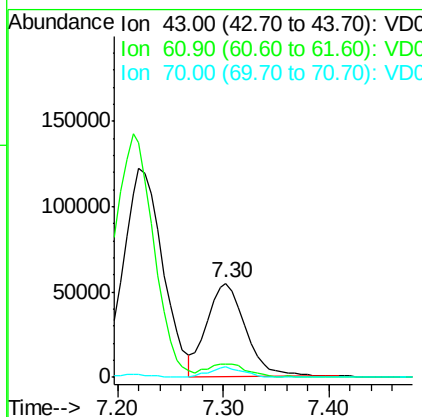
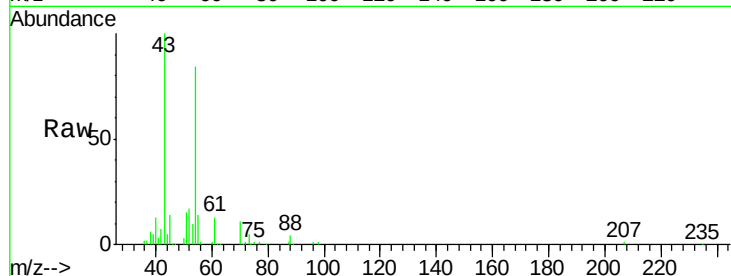
#37
Ethyl Acetate
Concen: 49.873 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.9	8.2	12.2

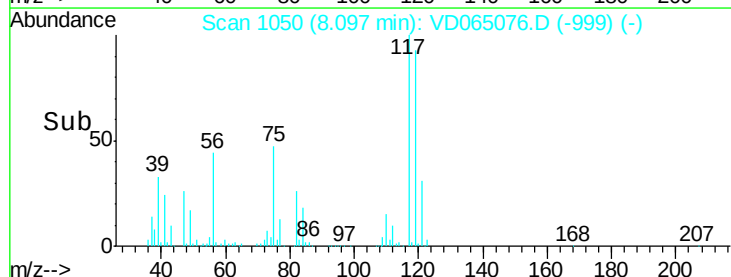
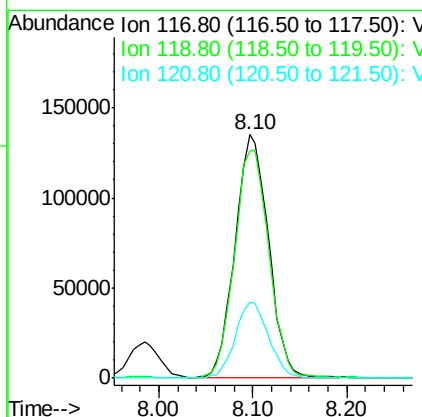
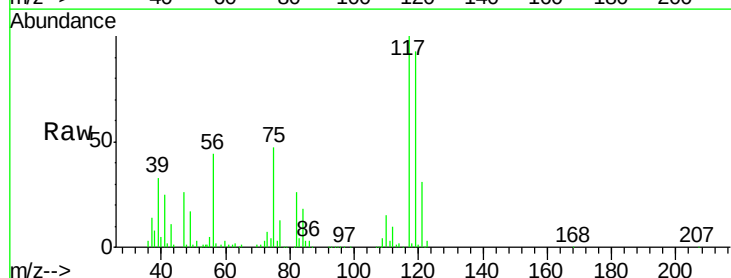
Manual Integrations
APPROVED

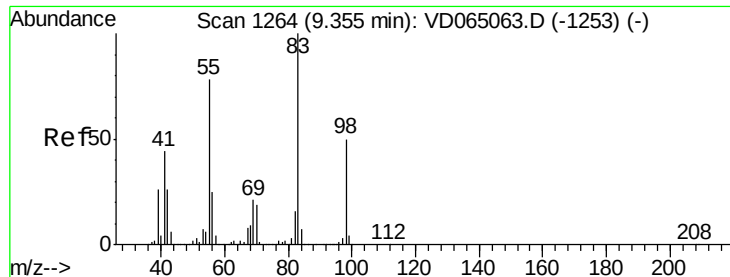
MMDadoda
2/6/2020 10:37:34 AM



#38
Carbon Tetrachloride
Concen: 47.336 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.5	117.7
121	31.1	23.8	35.6





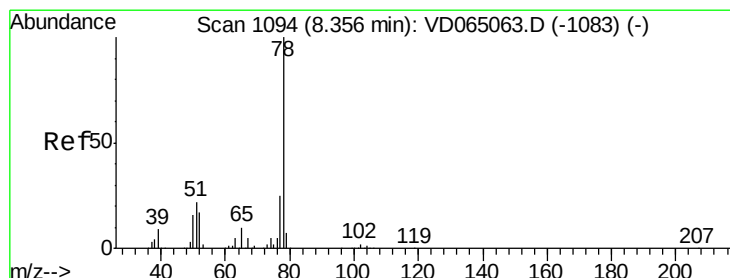
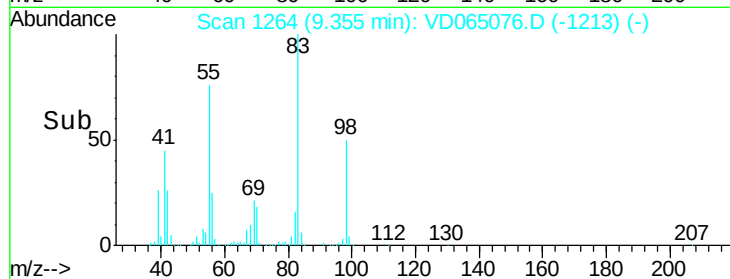
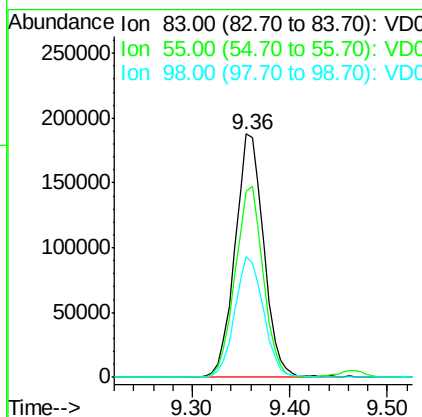
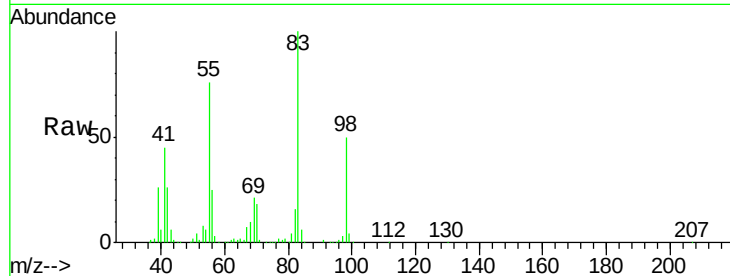
#39
Methylvlcyclohexane
Concen: 45.163 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.5	62.0	93.0	
98	49.7	39.9	59.9	

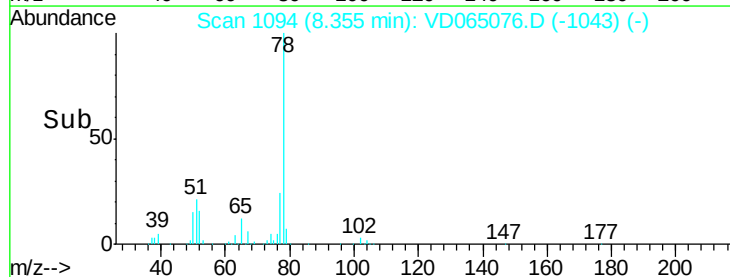
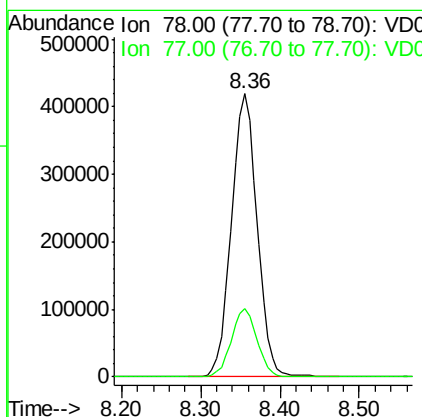
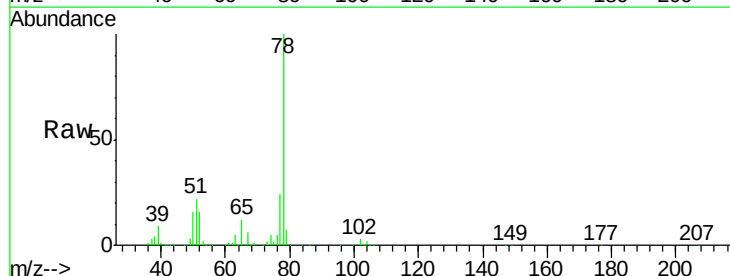
Manual Integrations
APPROVED

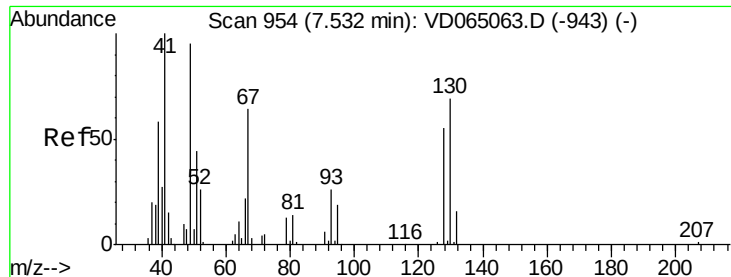
MMDadoda
2/6/2020 10:37:34 AM



#40
Benzene
Concen: 49.682 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.6	29.4	





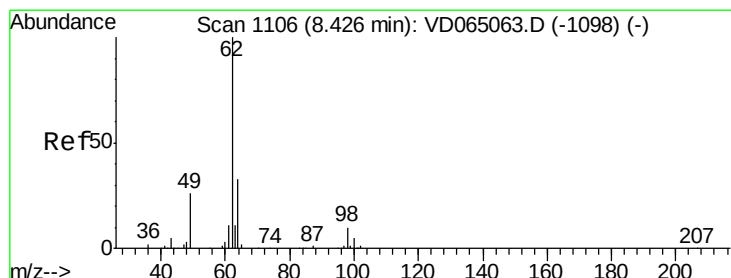
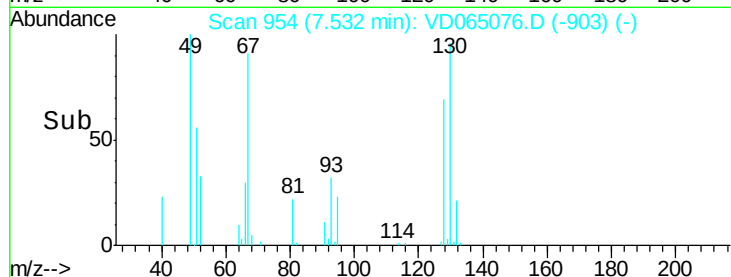
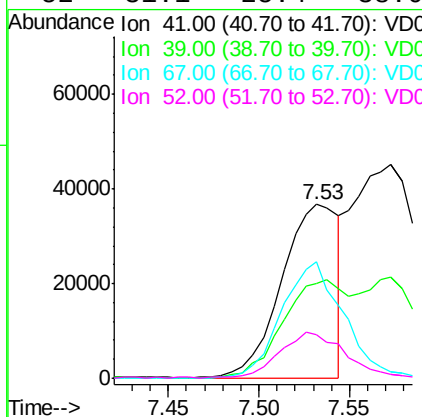
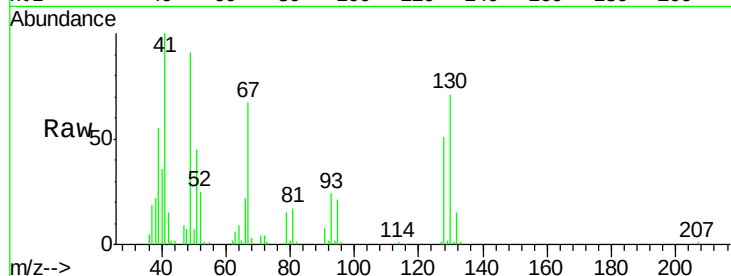
#41
Methacrylonitrile
Concen: 52.192 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	80635
Ion Ratio	Lower	Upper	
41	100		
39	63.1	55.4	83.0
67	73.3	59.0	88.6
52	31.1	25.4	38.0

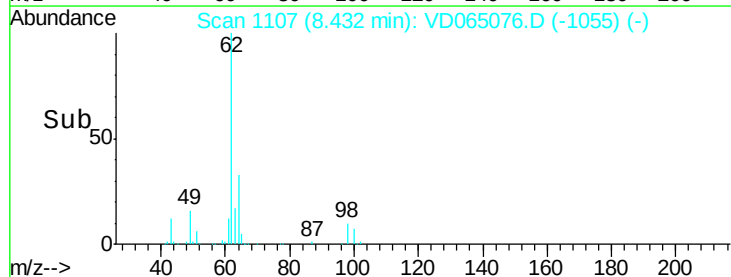
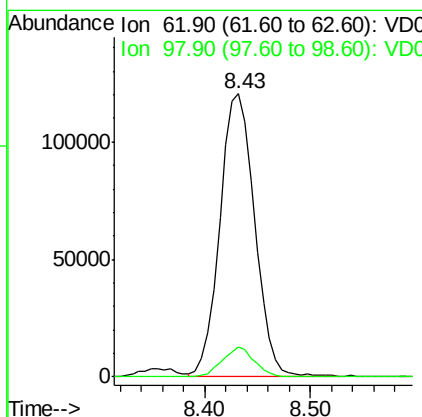
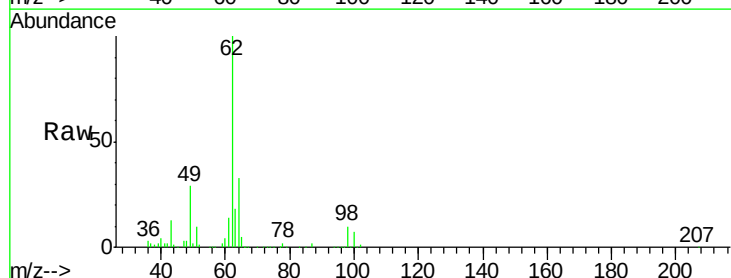
Manual Integrations
APPROVED

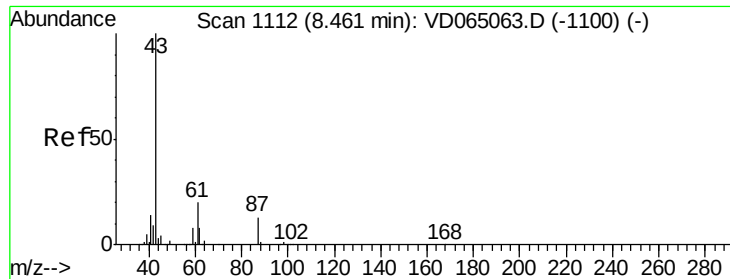
MMDadoda
2/6/2020 10:37:34 AM



#42
1,2-Dichloroethane
Concen: 50.838 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	62	Resp	274584
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.418 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

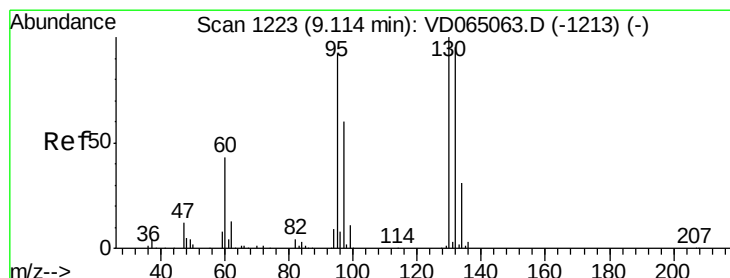
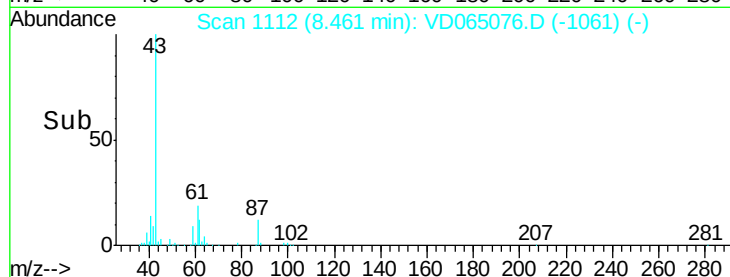
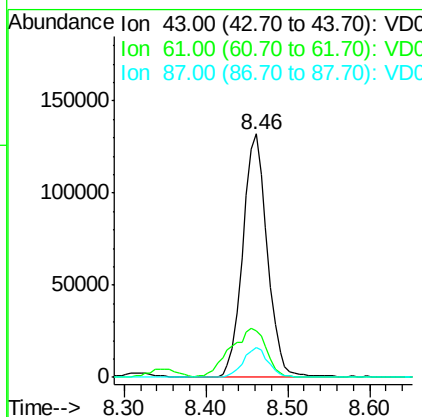
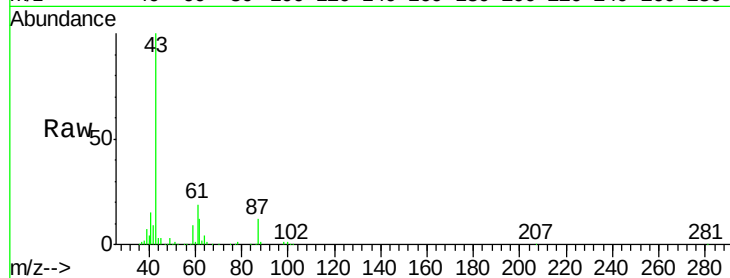
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	275827
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.0	36.0
87	12.3	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.525 ug/l

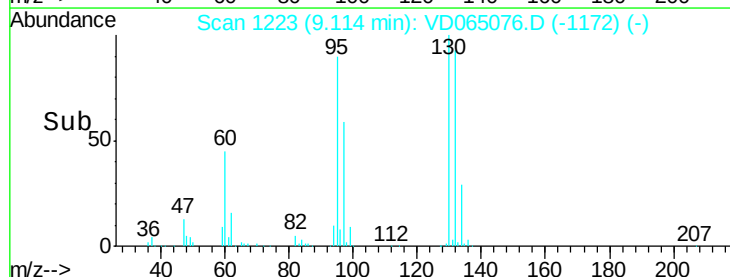
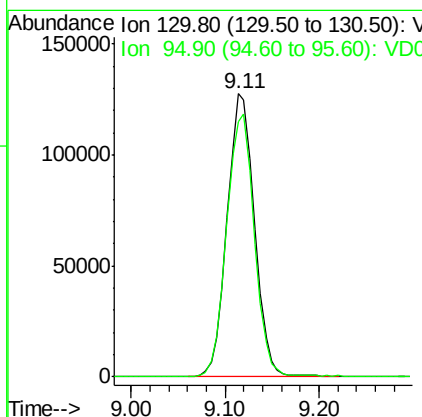
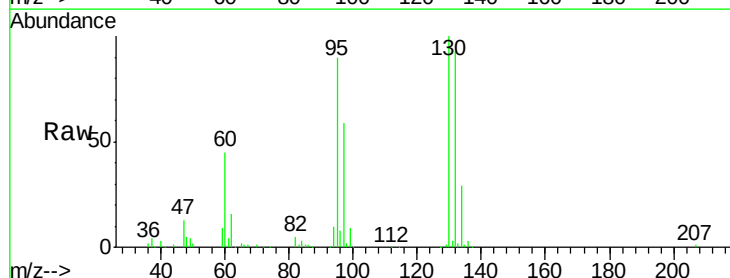
RT: 9.11 min Scan# 1223

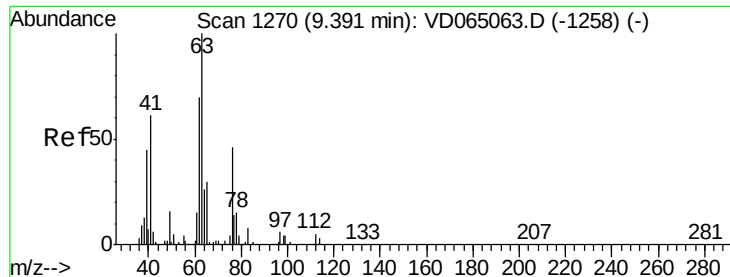
Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	130	Resp:	258579
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	185.0





#45

1,2-Dichloropropane

Concen: 50.753 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 230661

Ion Ratio Lower Upper

63 100

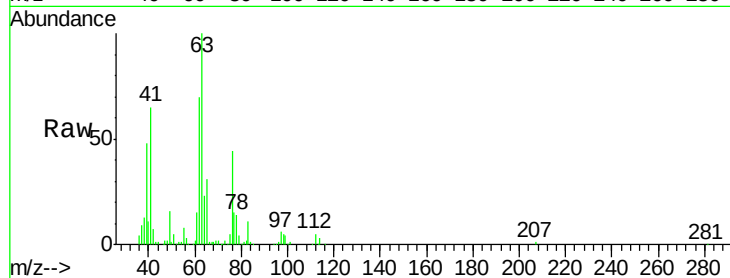
65 31.1 23.9 35.9

Manual Integrations

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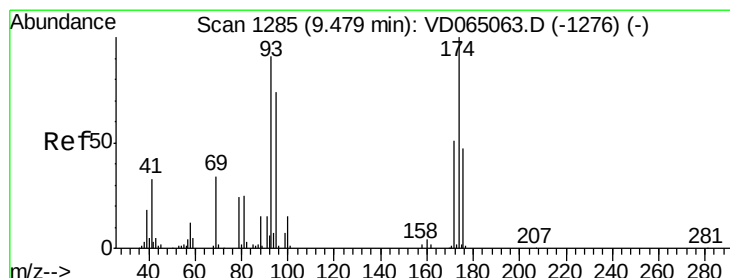
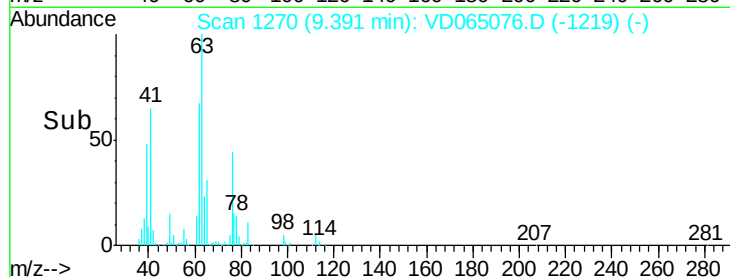
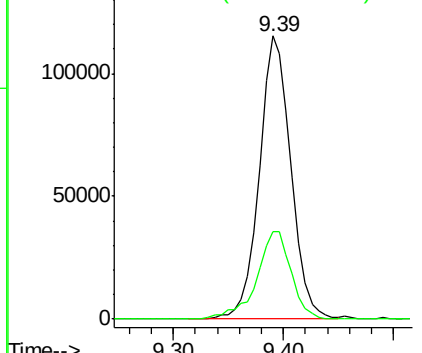
MMDadoda

2/6/2020 10:37:34 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.206 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

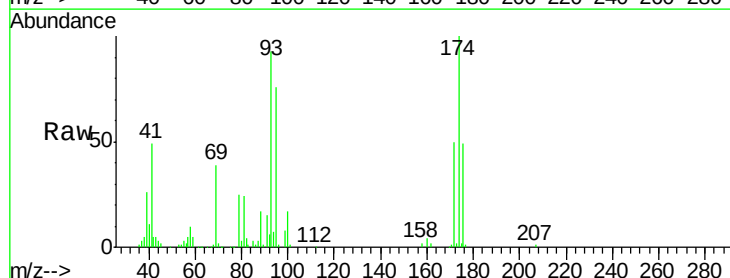
Tgt Ion: 93 Resp: 124678

Ion Ratio Lower Upper

93 100

95 80.8 66.5 99.7

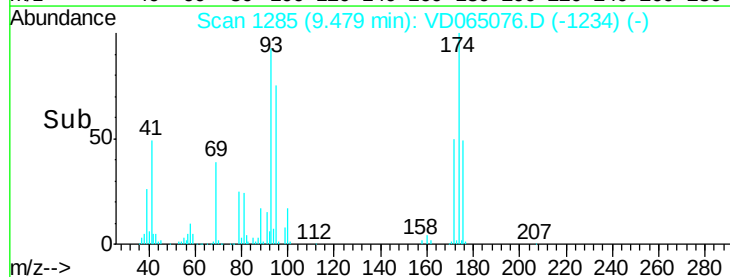
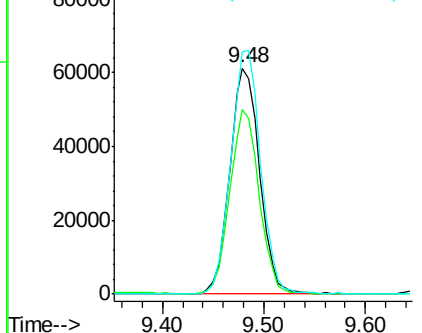
174 108.0 89.8 134.8

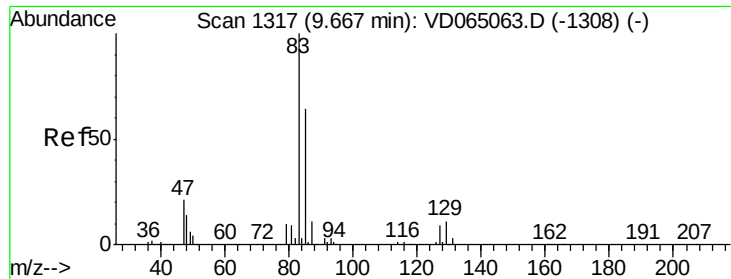


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





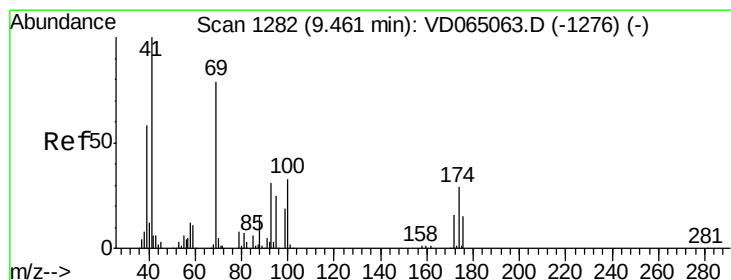
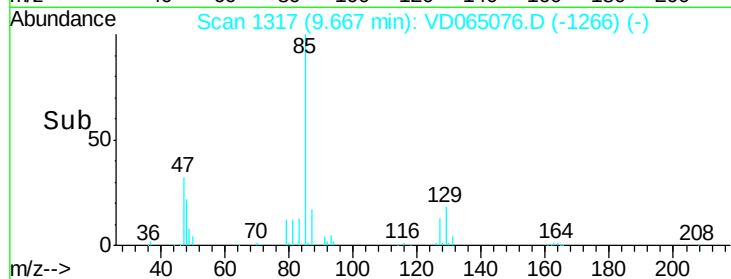
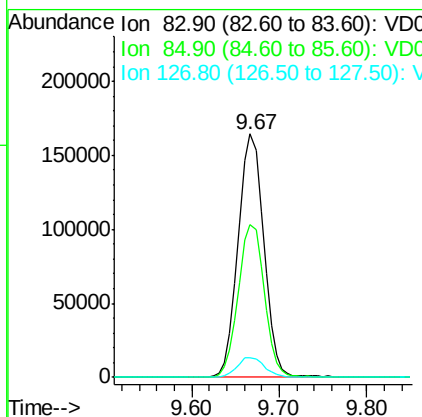
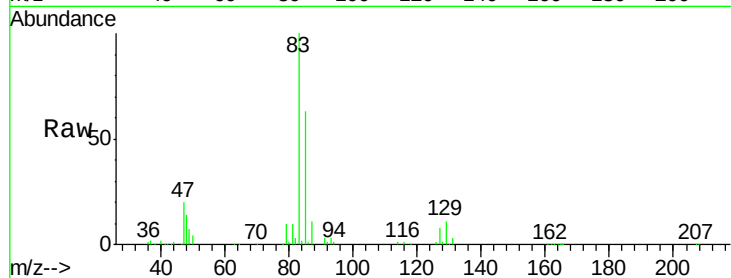
#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.5	51.0	76.6	
127	8.1	7.3	10.9	

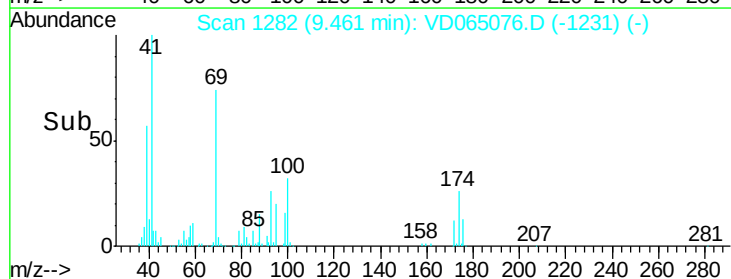
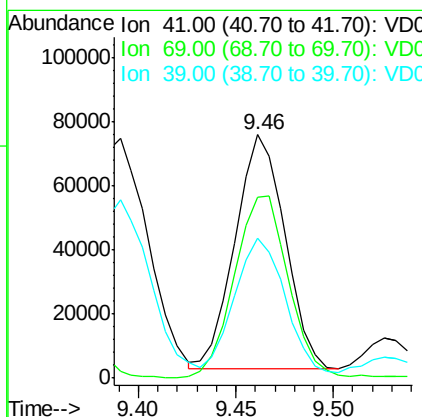
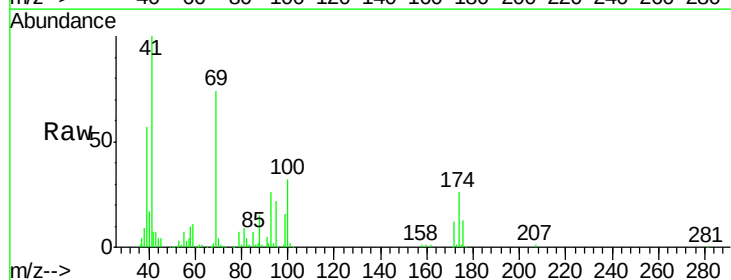
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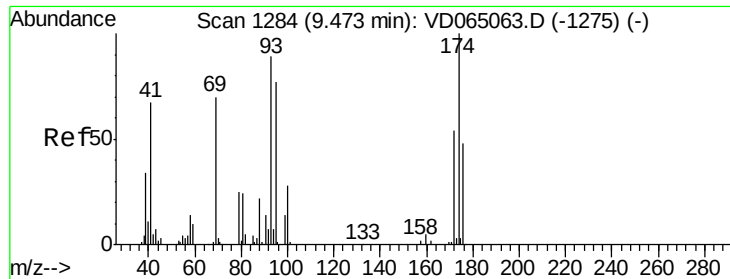
MMDadoda
2/6/2020 10:37:34 AM



#48
Methyl methacrylate
Concen: 50.413 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.5	67.5	101.3	
39	62.2	47.0	70.4	





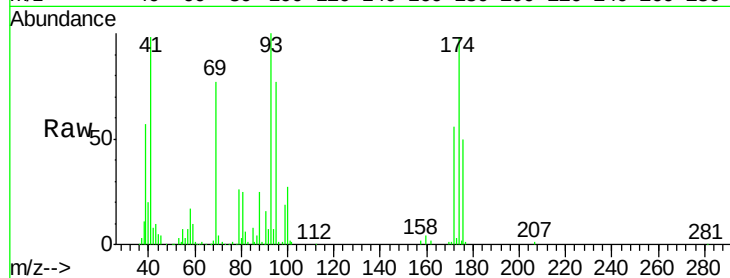
#49
1,4-Dioxane
Concen: 1030.142 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

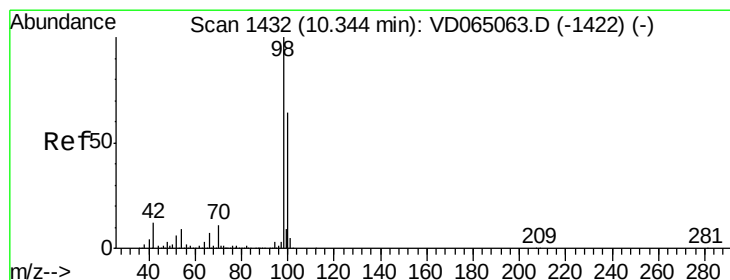
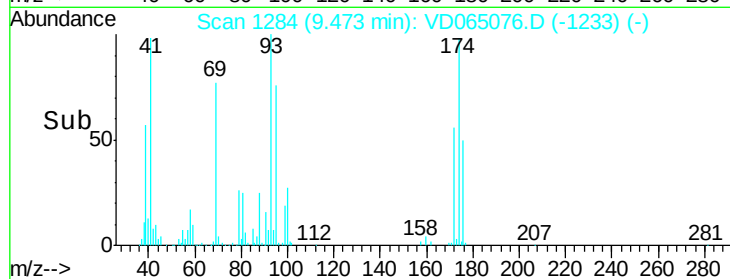
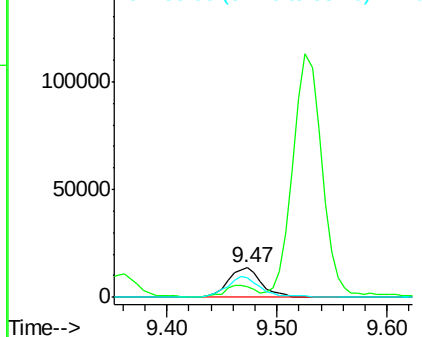
Tot Ion	88	Resp	29139
Ion	Ratio	Lower	Upper
88	100		
43	33.8	27.7	41.5
58	67.1	55.5	83.3

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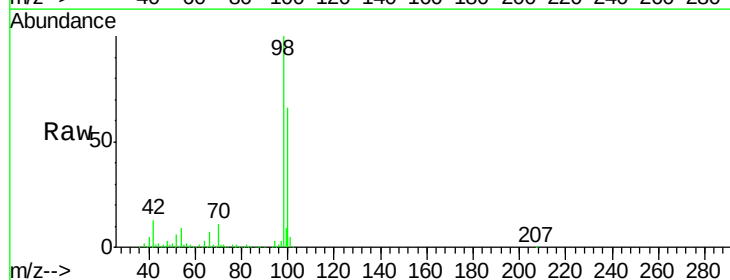


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

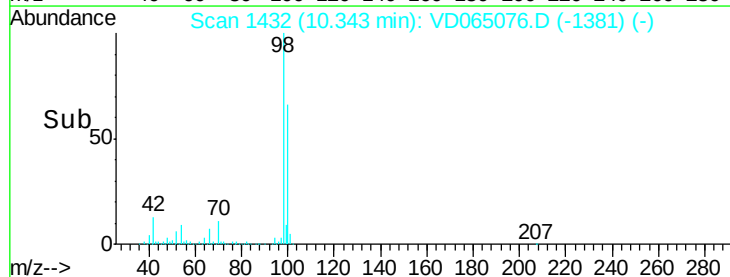
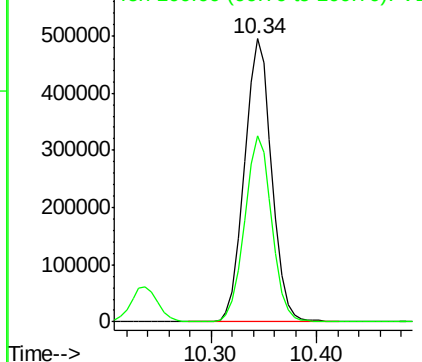


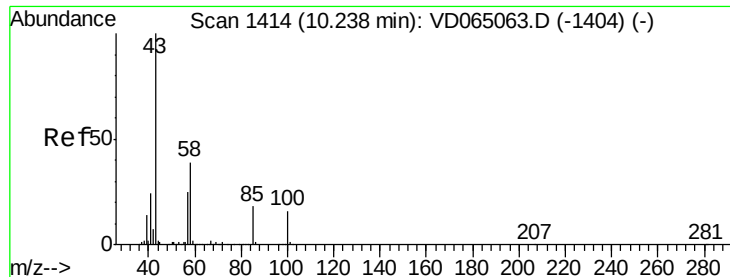
#50
Toluene-d8
Concen: 54.071 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	98	Resp	886442
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1



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: 266.207 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 702912

Ion Ratio Lower Upper

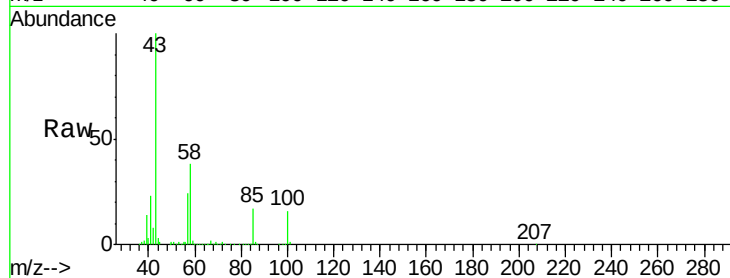
43 100

58 37.2 30.2 45.2

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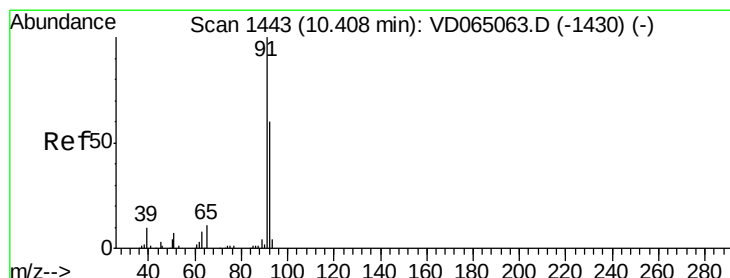
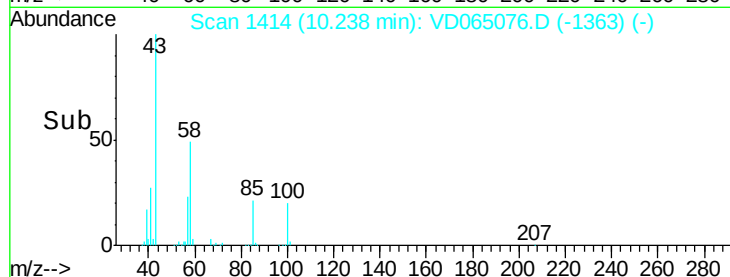
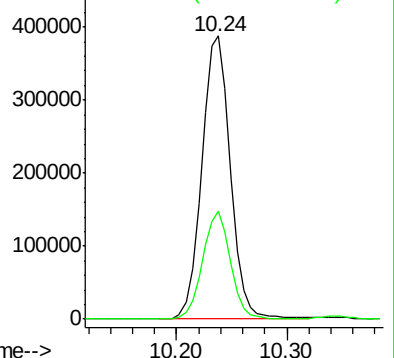
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2/6/2020 10:37:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.622 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065076.D

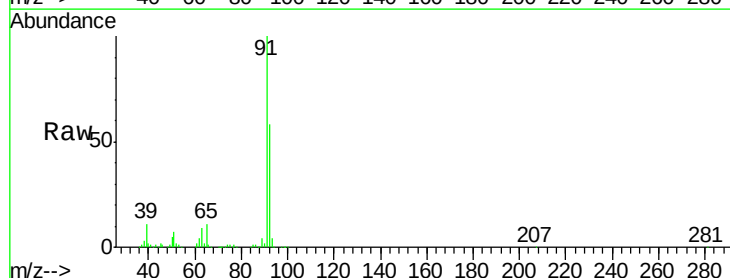
Acq: 05 Feb 2020 21:01

Tgt Ion: 92 Resp: 600336

Ion Ratio Lower Upper

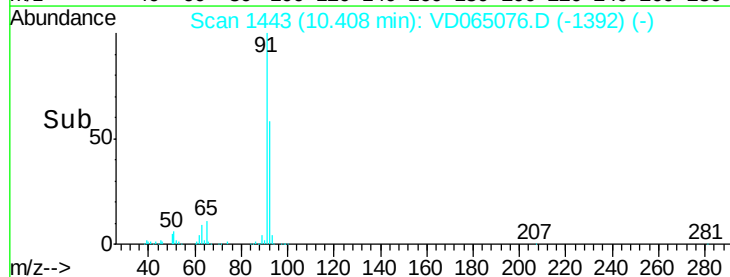
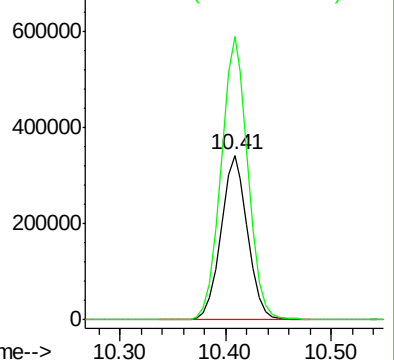
92 100

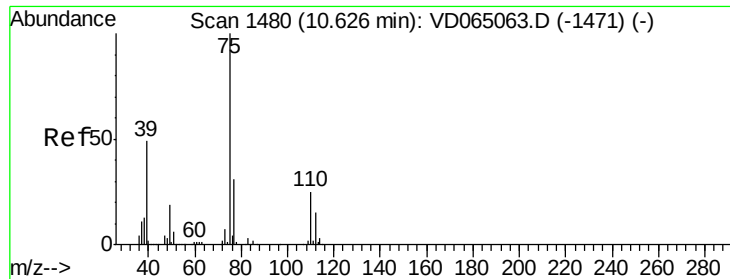
91 173.4 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





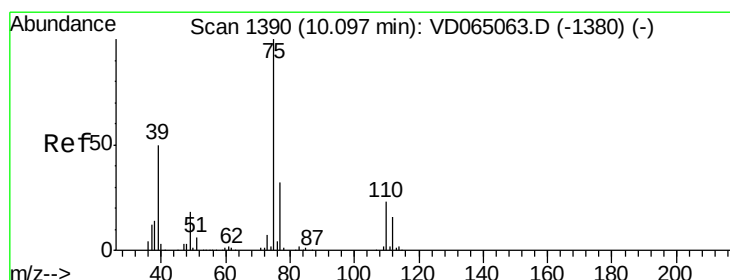
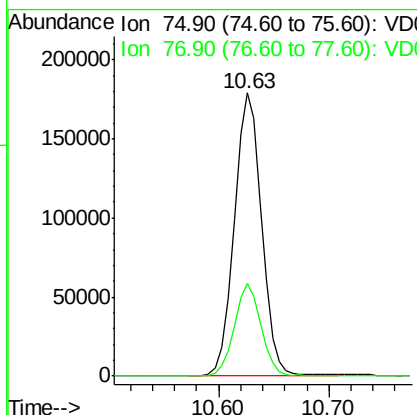
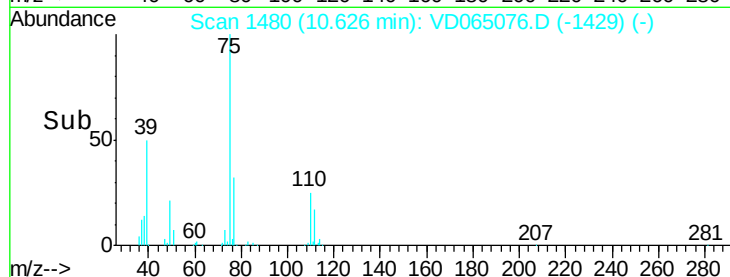
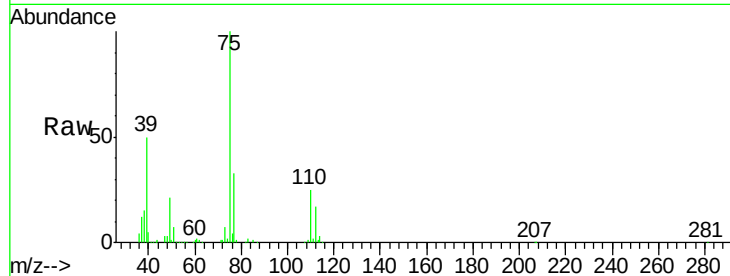
#53
t-1,3-Dichloropropene
Concen: 50.897 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 311833
Ion Ratio Lower Upper
75 100
77 32.6 24.9 37.3

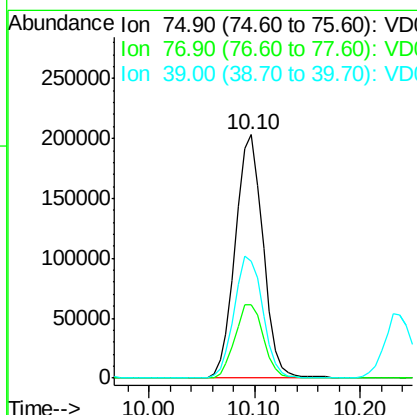
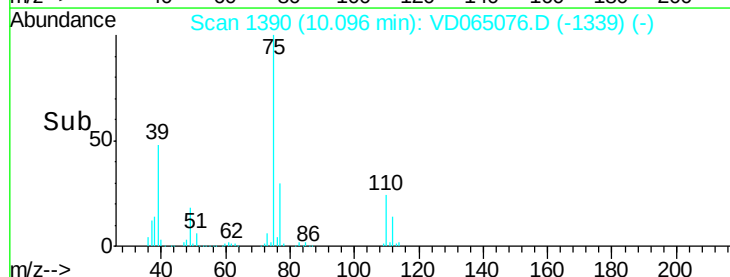
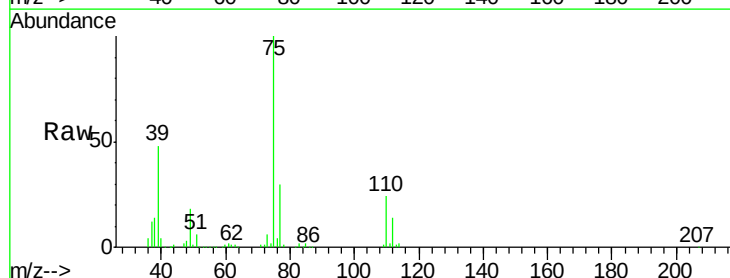
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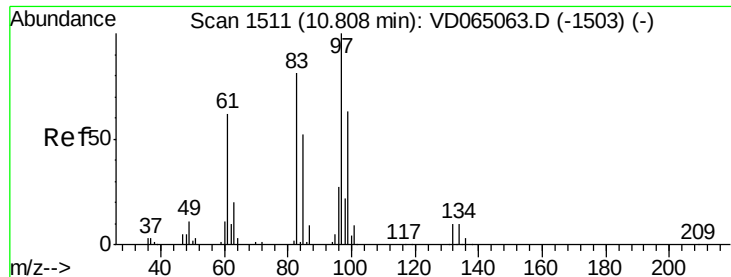
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#54
cis-1,3-Dichloropropene
Concen: 50.335 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion: 75 Resp: 368837
Ion Ratio Lower Upper
75 100
77 29.9 25.3 37.9
39 47.7 40.3 60.5





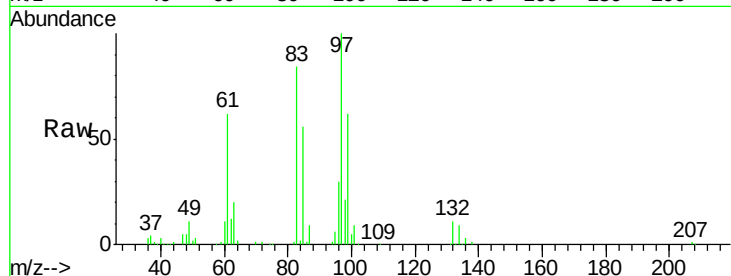
#55
 1,1,2-Trichloroethane
 Concen: 51.406 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

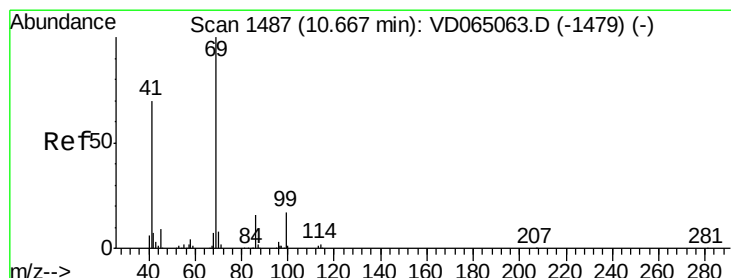
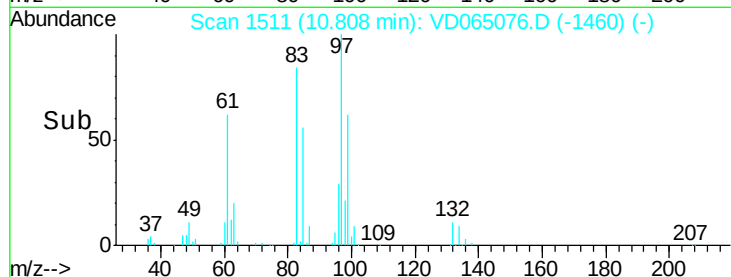
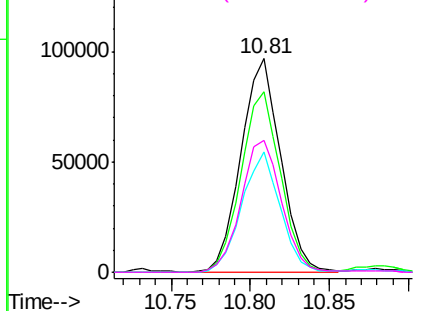
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.5	64.8	97.2	
85	56.4	41.2	61.8	
99	61.8	50.3	75.5	

Manual Integrations
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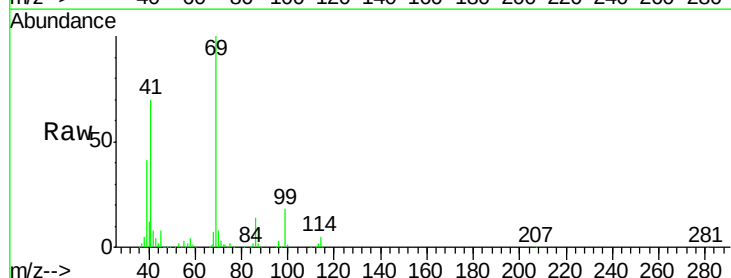


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

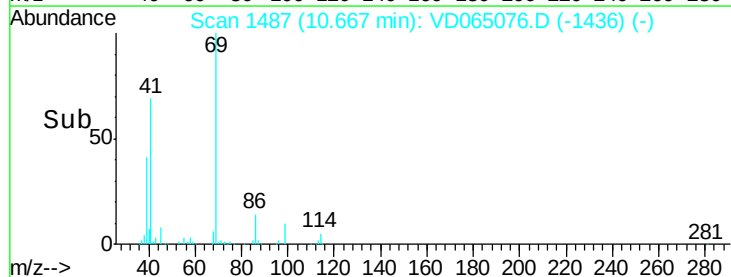
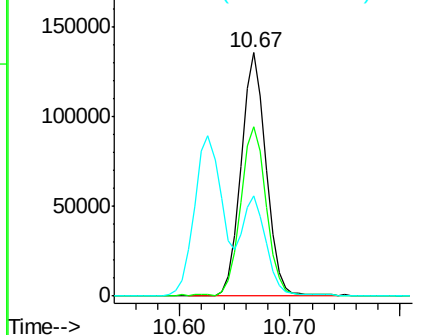


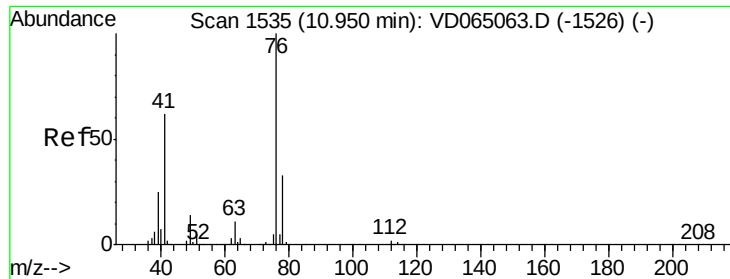
#56
 Ethyl methacrylate
 Concen: 52.191 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	70.3	55.9	83.9	
39	38.7	29.4	44.0	



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





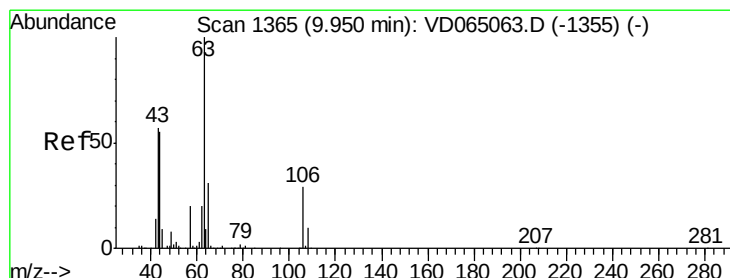
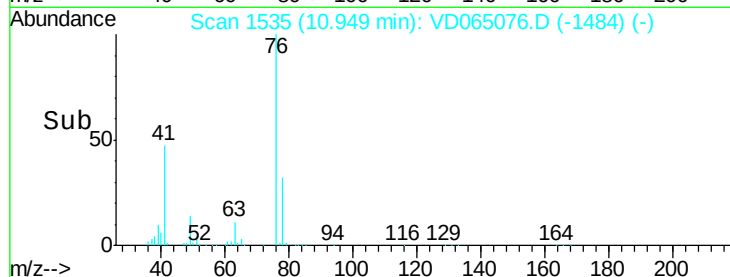
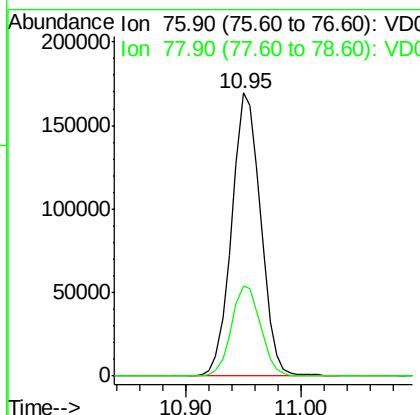
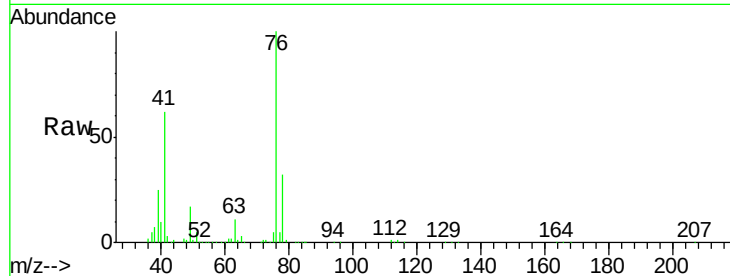
#57
 1,3-Dichloropropane
 Concen: 51.305 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

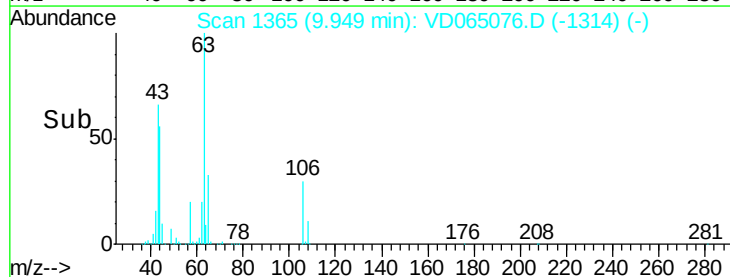
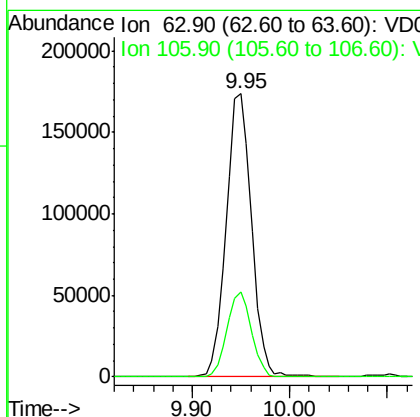
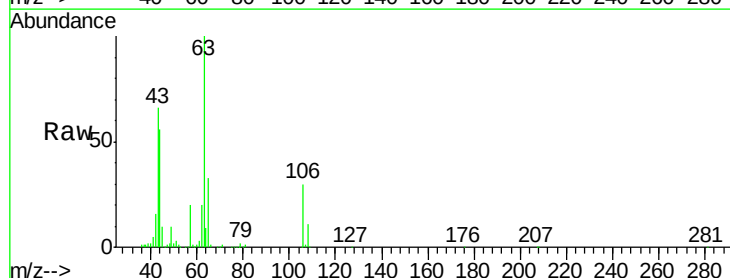
Manual Integrations
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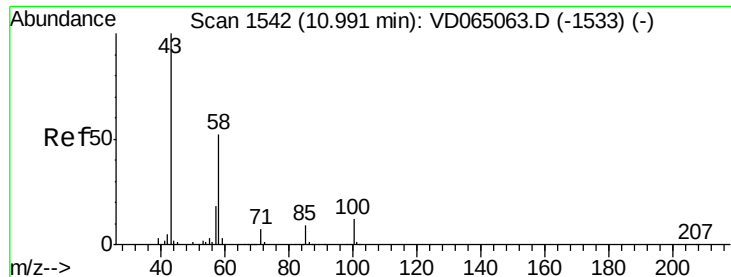
MMDadoda
 2/6/2020 10:37:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.534 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.3	34.9





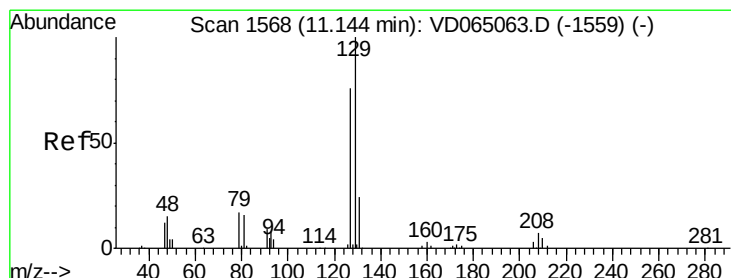
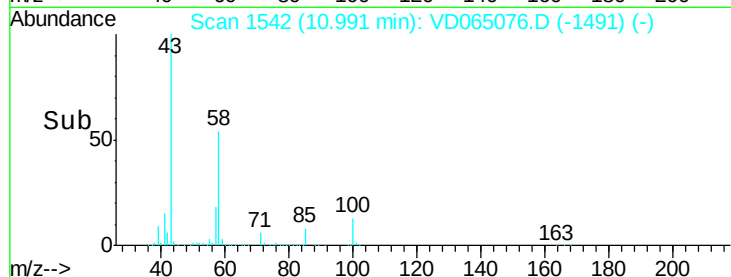
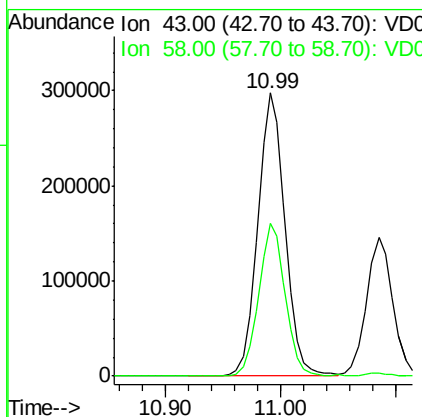
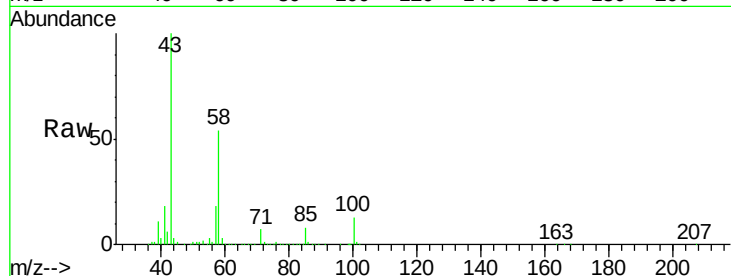
#59
2-Hexanone
Concen: 260.802 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 487780
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.6

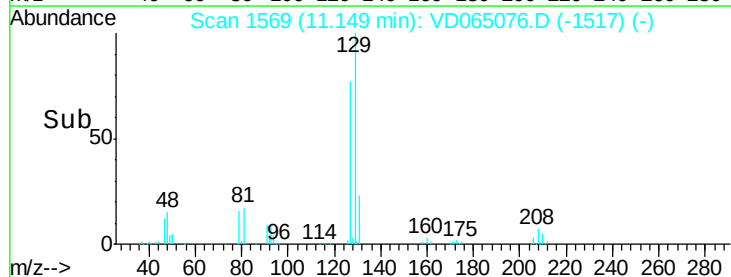
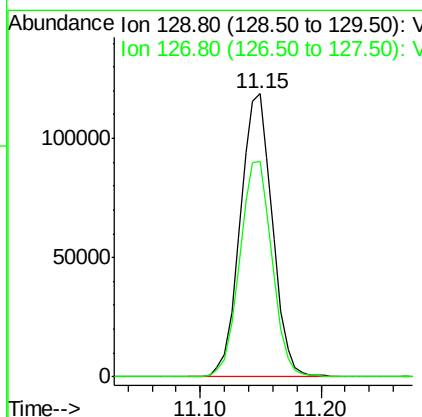
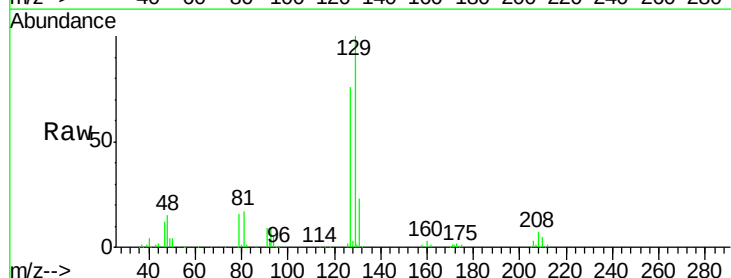
Manual Integrations
APPROVED

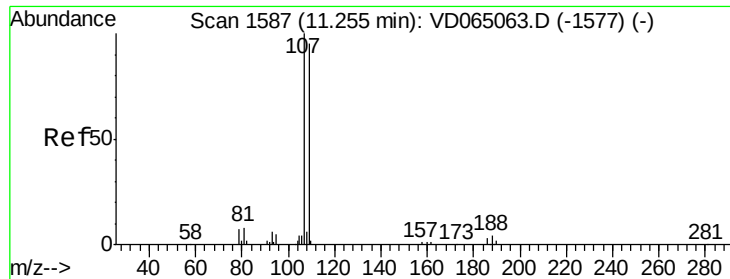
MMDadoda
2/6/2020 10:37:34 AM



#60
Dibromochloromethane
Concen: 52.094 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion: 129 Resp: 221029
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





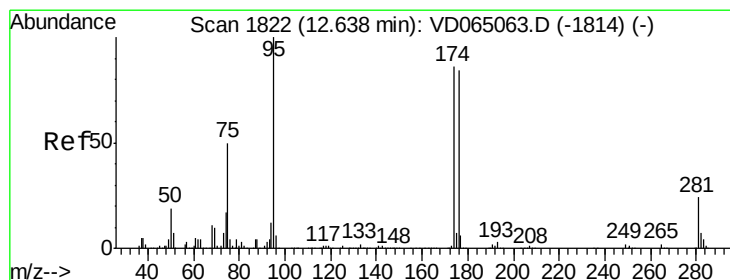
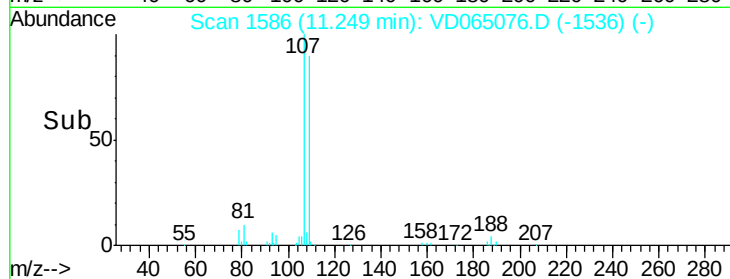
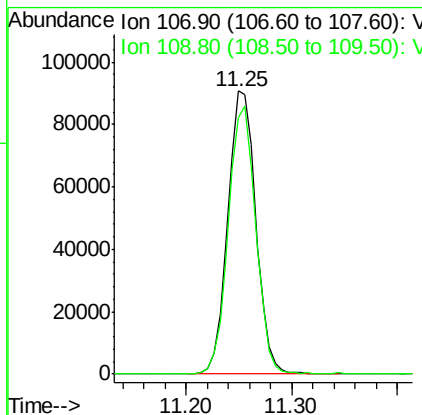
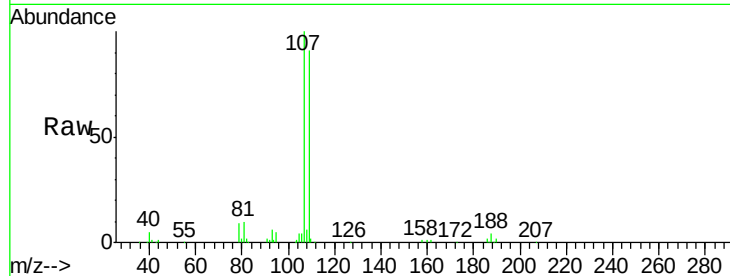
#61
 1,2-Dibromoethane
 Concen: 51.846 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.5	113.3

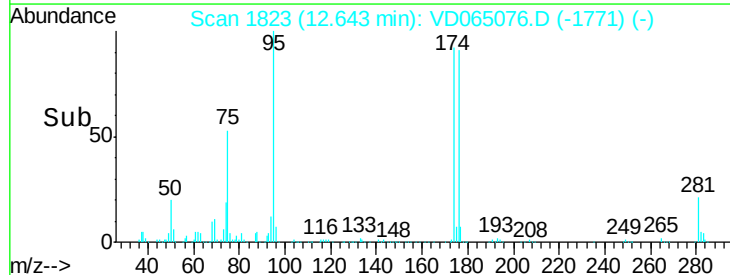
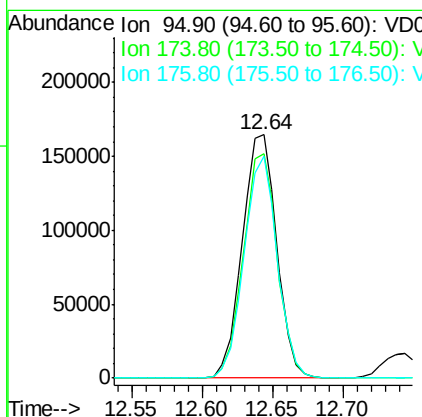
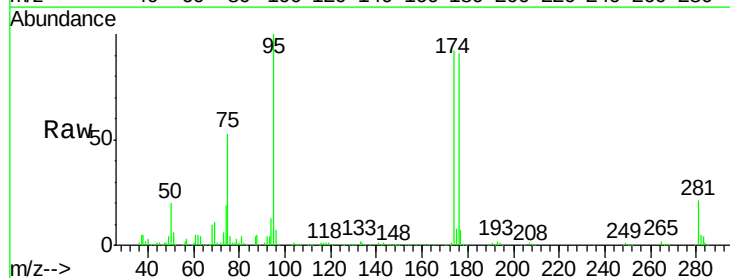
Manual Integrations
 APPROVED

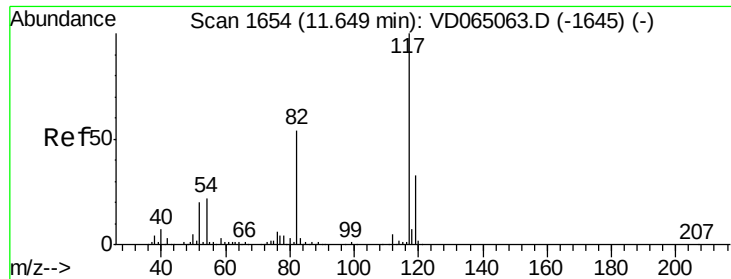
MMDadoda
 2/6/2020 10:37:34 AM



#62
 4-Bromofluorobenzene
 Concen: 54.255 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	180.0
176	87.9	0.0	173.2





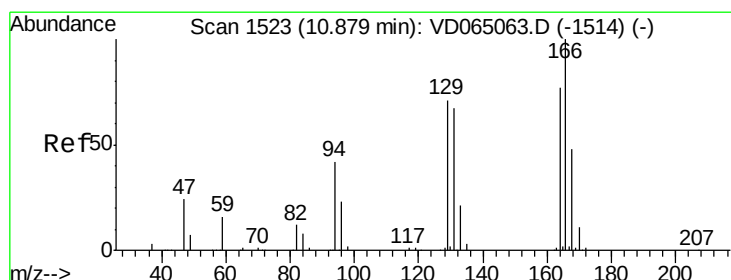
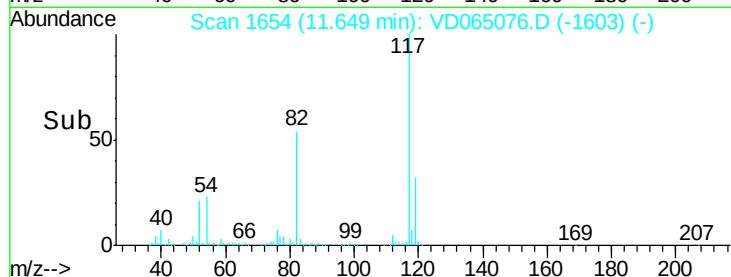
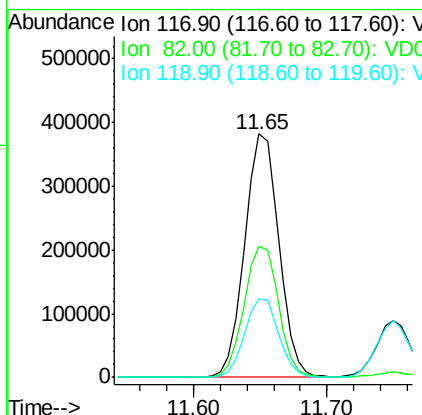
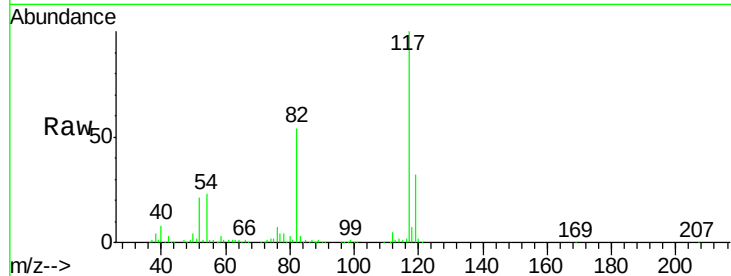
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.1	64.7
119	32.3	26.0	39.0

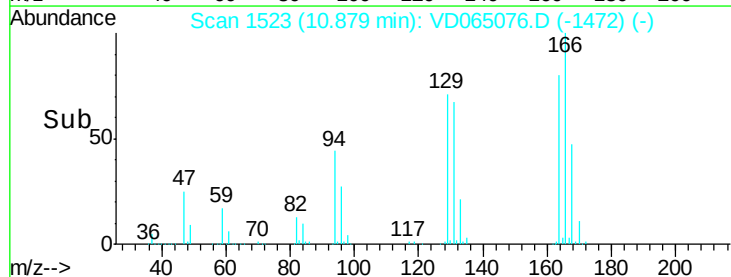
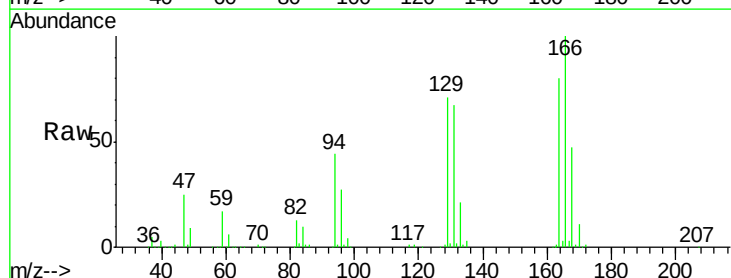
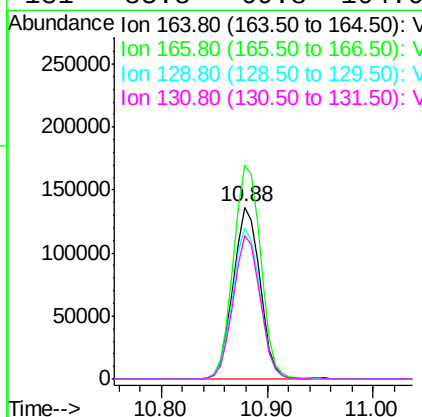
Manual Integrations
APPROVED

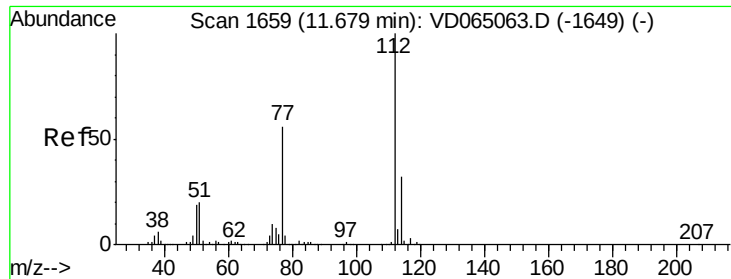
MMDadoda
2/6/2020 10:37:34 AM



#64
Tetrachloroethene
Concen: 49.406 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.5	155.3
129	88.0	73.3	109.9
131	83.8	69.8	104.6





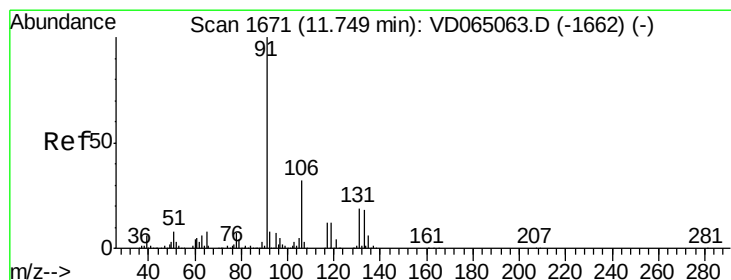
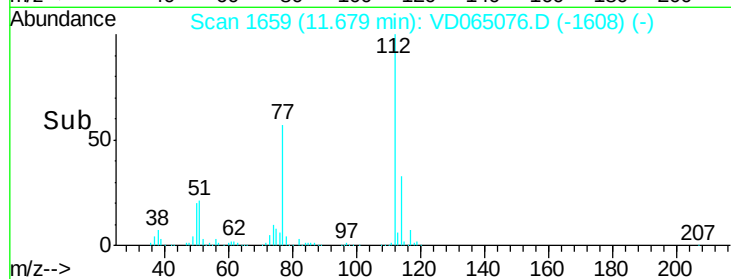
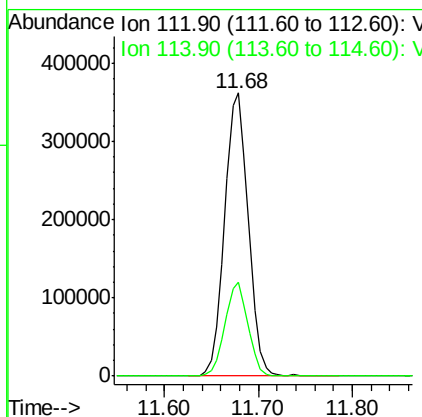
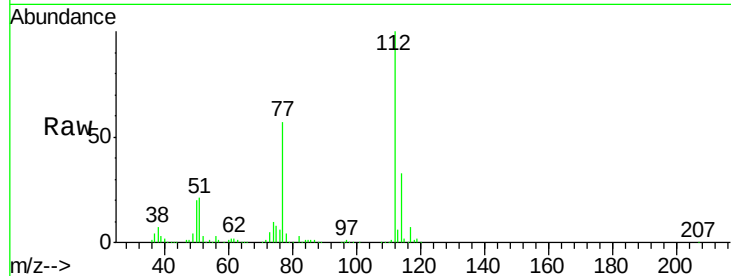
#65
Chlorobenzene
Concen: 48.385 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.4	38.0

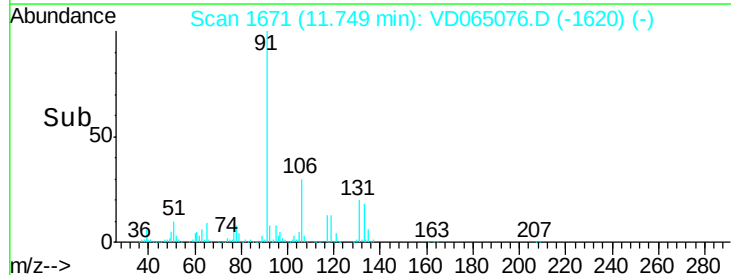
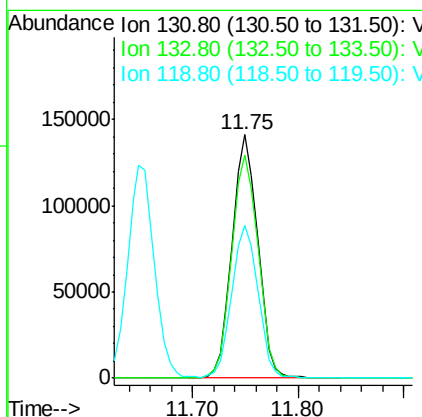
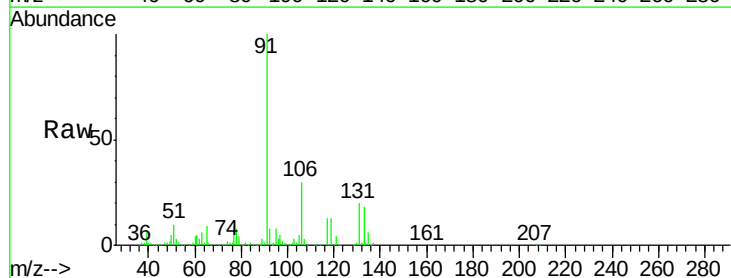
Manual Integrations
APPROVED

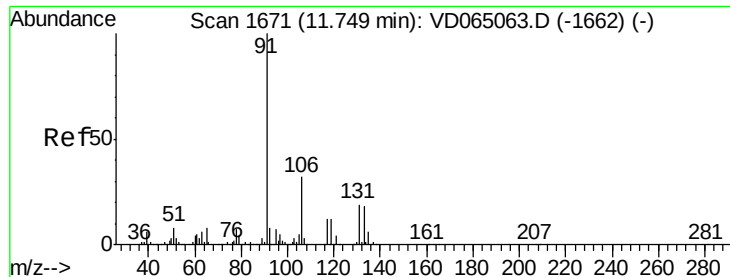
MMDadoda
2/6/2020 10:37:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.177 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.7	143.1
119	64.3	31.3	93.8





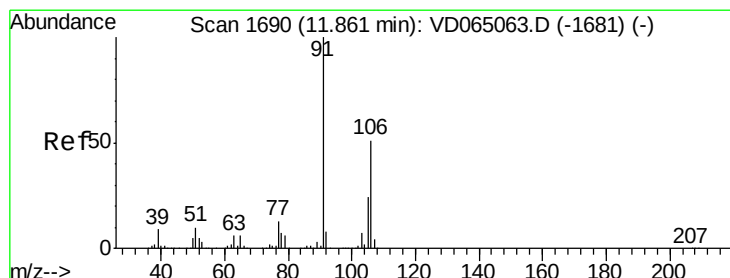
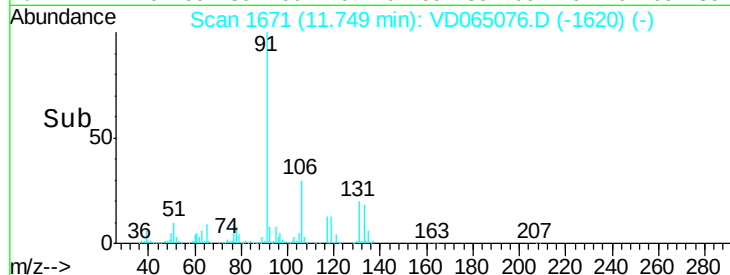
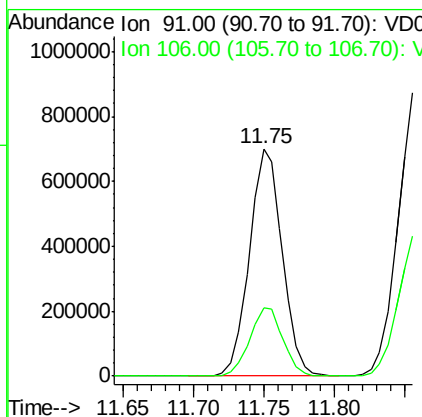
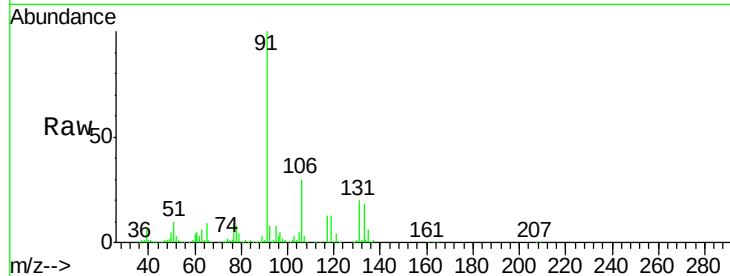
#67
Ethyl Benzene
Concen: 48.268 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1143928
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.2

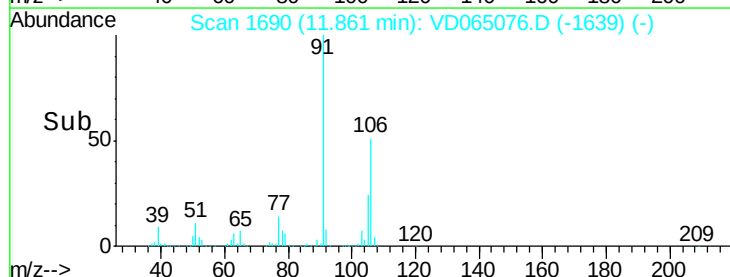
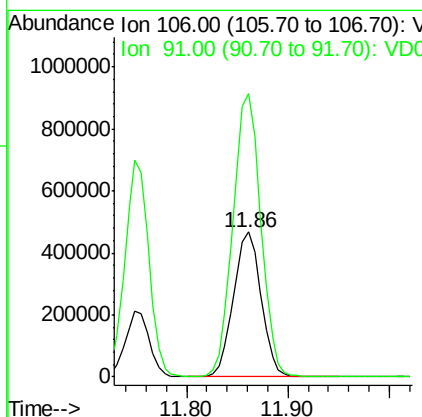
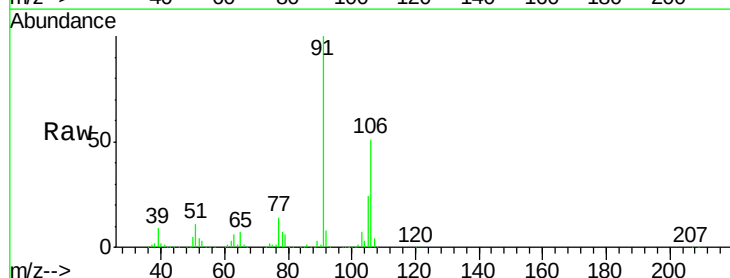
Manual Integrations
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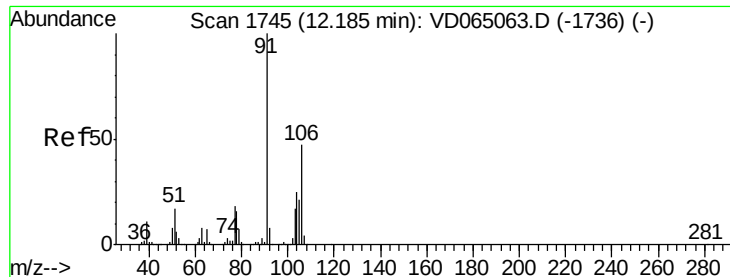
MMDadoda
2/6/2020 10:37:34 AM



#68
m/p-Xylenes
Concen: 97.946 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion: 106 Resp: 885973
Ion Ratio Lower Upper
106 100
91 197.1 158.9 238.3





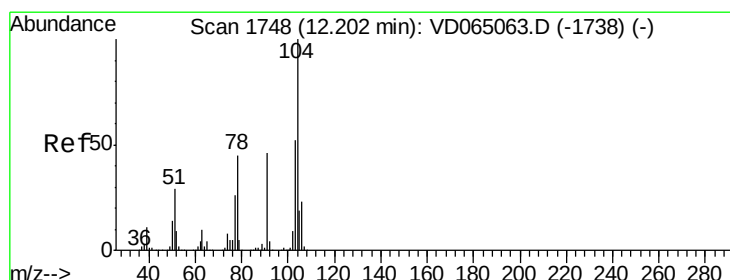
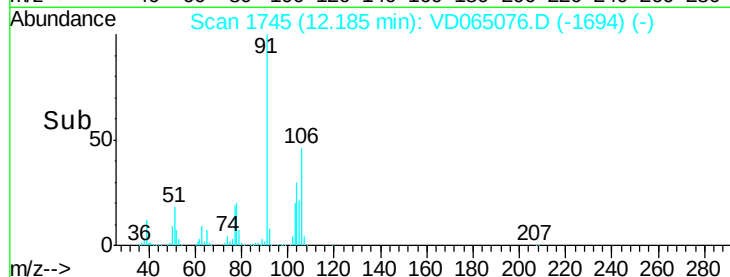
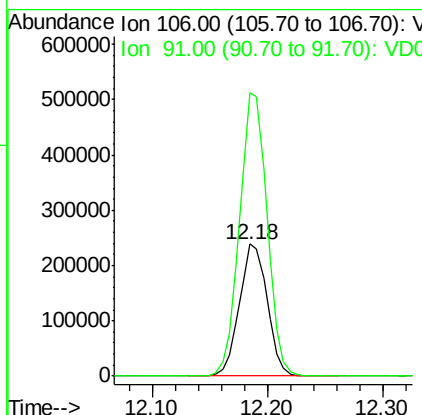
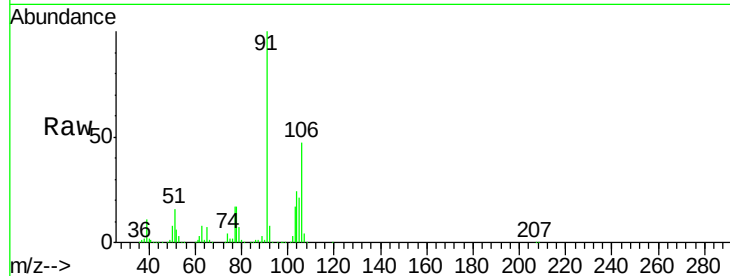
#69
o-Xylene
Concen: 49.115 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.6	104.7	313.9		

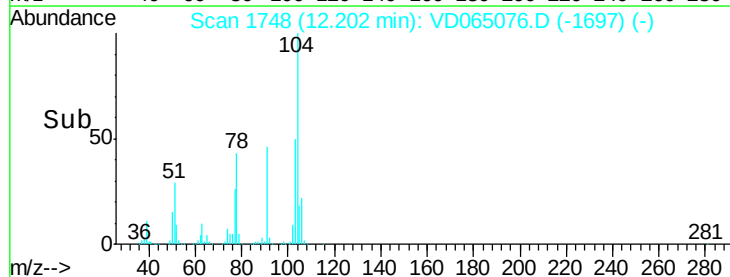
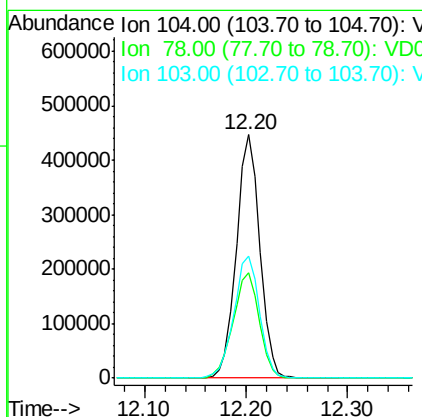
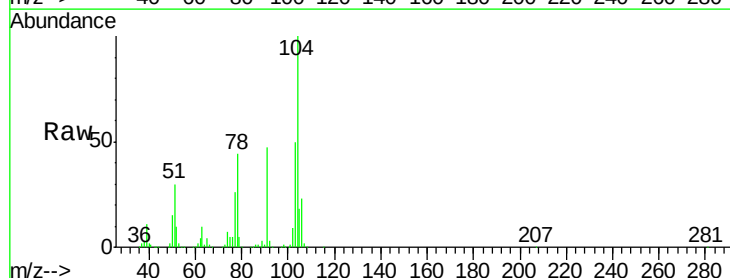
Manual Integrations
APPROVED

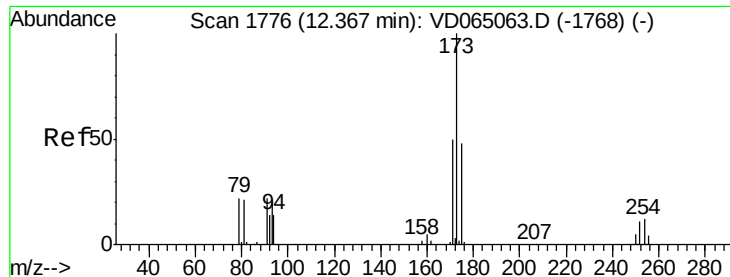
MMDadoda
2/6/2020 10:37:34 AM



#70
Styrene
Concen: 50.675 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.2	38.5	57.7		
103	54.7	43.8	65.8		





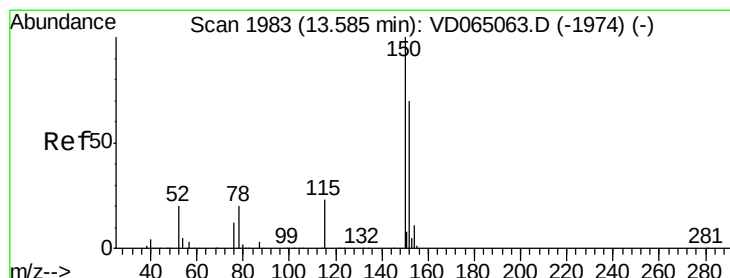
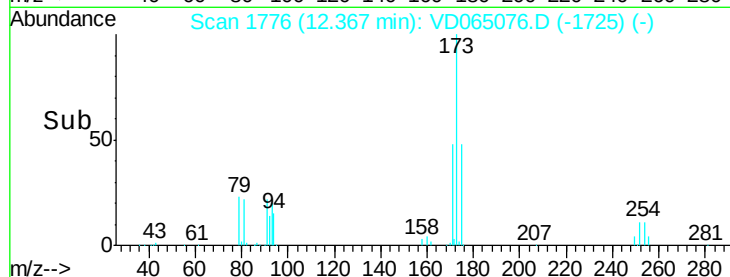
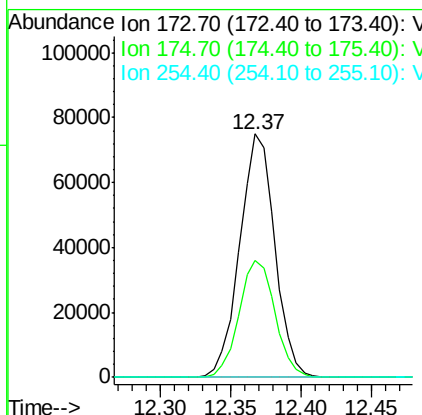
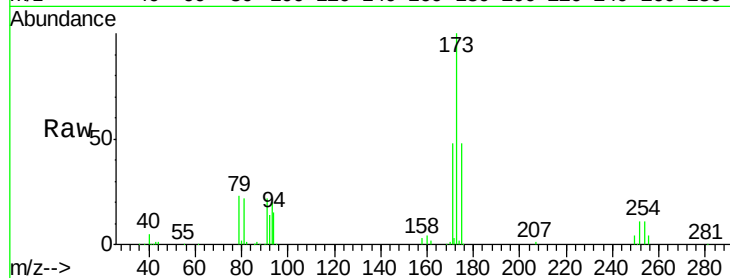
#71
Bromoform
Concen: 50.401 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.1	0.1	0.1

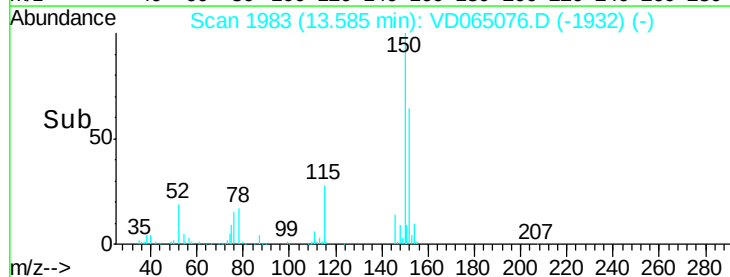
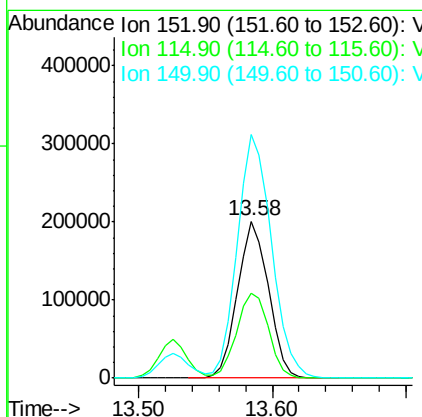
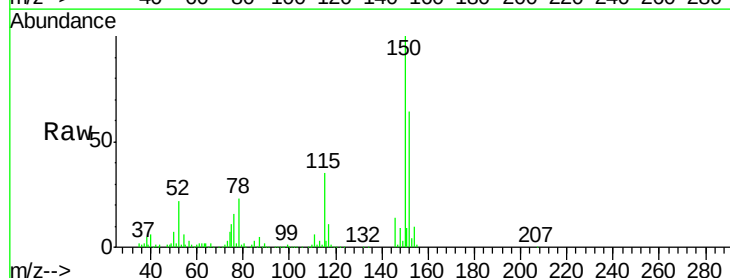
Manual Integrations
APPROVED

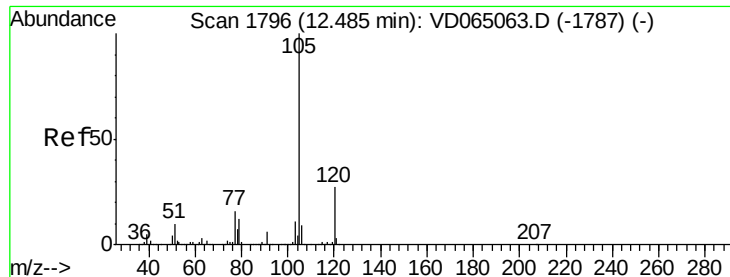
MMDadoda
2/6/2020 10:37:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.4
150	172.0	0.0	343.2





#73

Isopropylbenzene

Concen: 47.208 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1046343

Ion Ratio Lower Upper

105 100

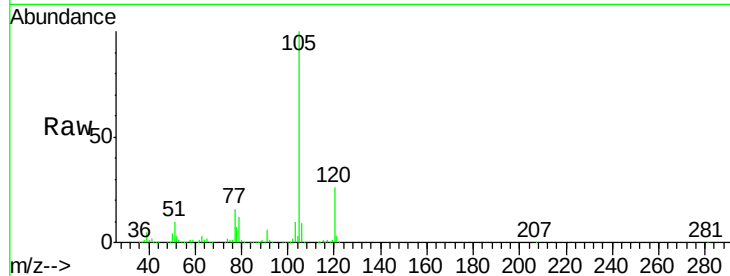
120 26.5 13.3 39.9

Manual Integrations

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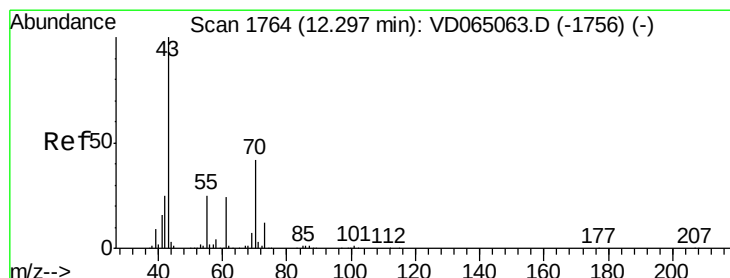
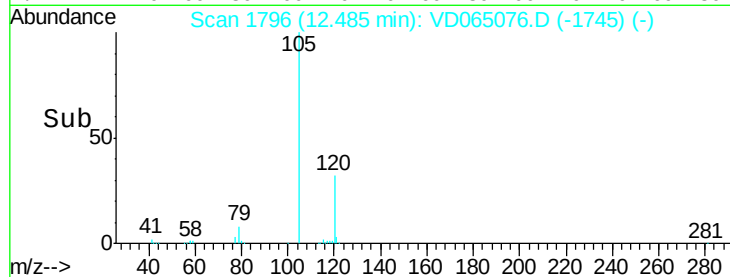
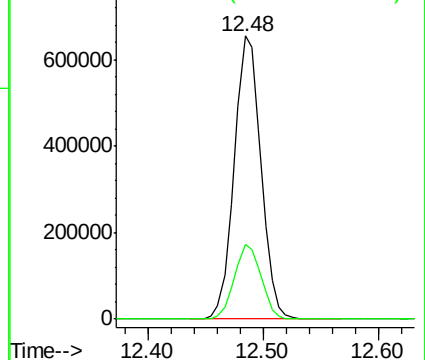
MMDadoda

2/6/2020 10:37:34 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.963 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion: 43 Resp: 245518

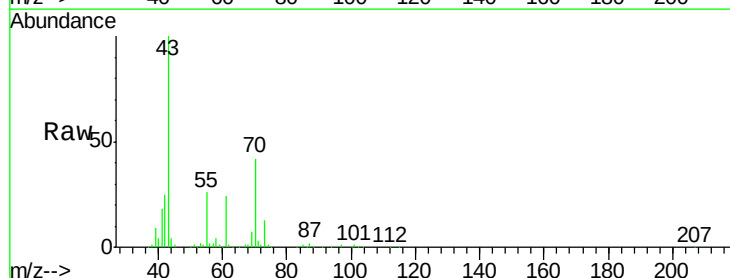
Ion Ratio Lower Upper

43 100

70 41.9 33.5 50.3

55 25.2 19.4 29.2

61 23.8 18.6 28.0

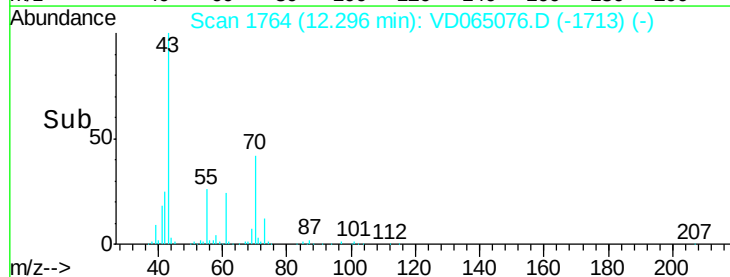
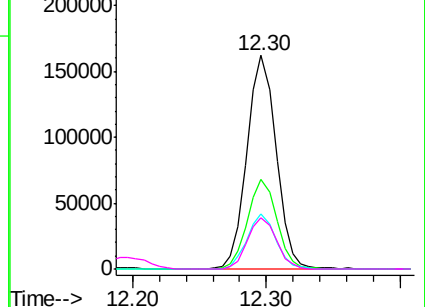


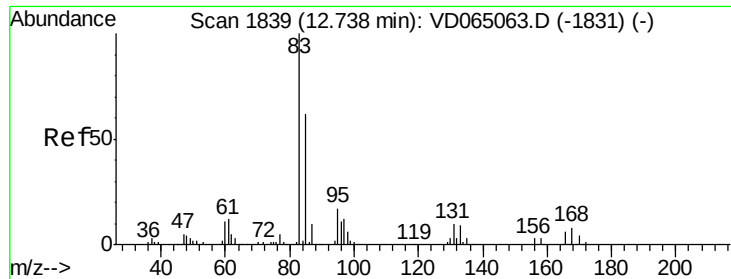
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.648 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

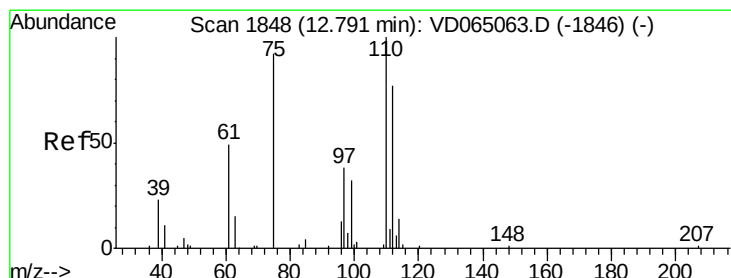
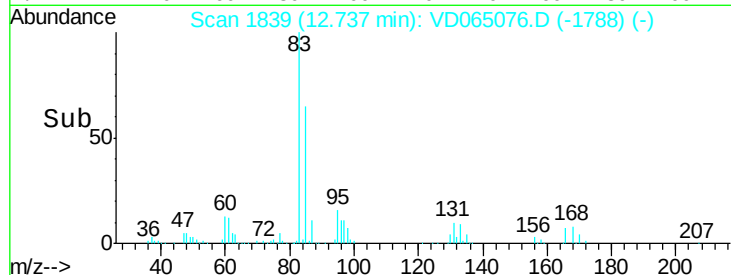
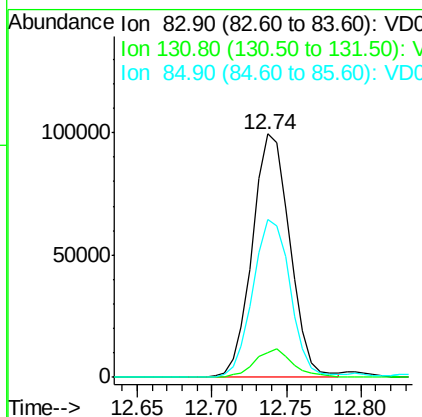
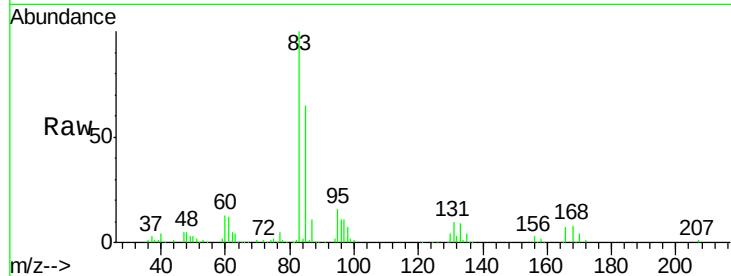
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173189
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.4
85	65.0	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 49.986 ug/l m

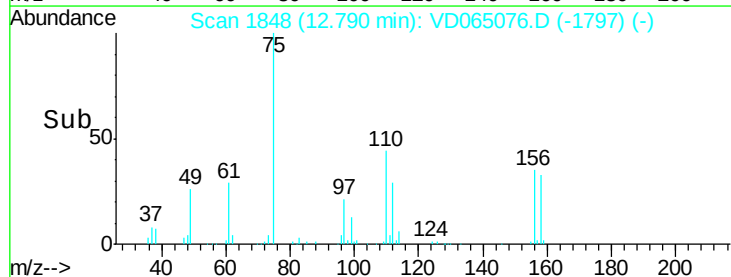
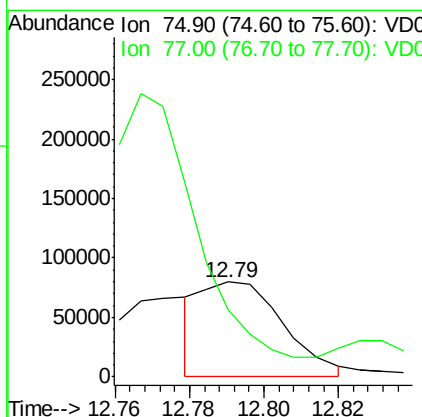
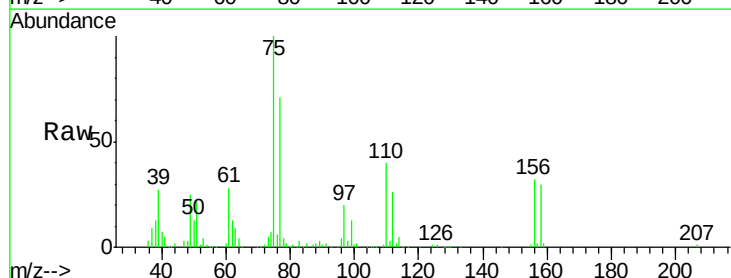
RT: 12.79 min Scan# 1848

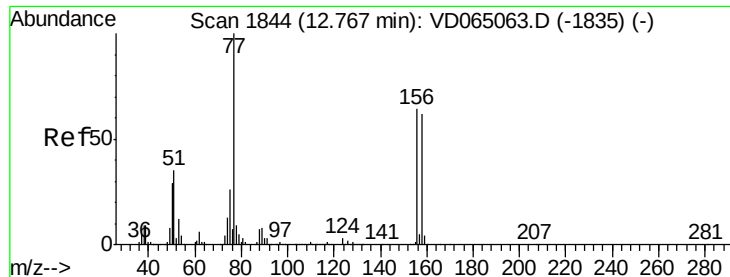
Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	75	Resp:	122210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.582 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 259432

Ion Ratio Lower Upper

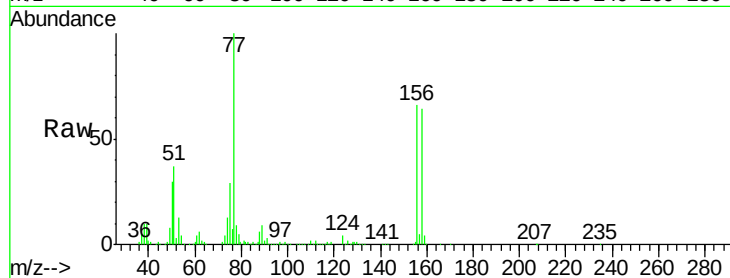
156 100

77 171.7 85.6 256.8

158 97.5 47.4 142.2

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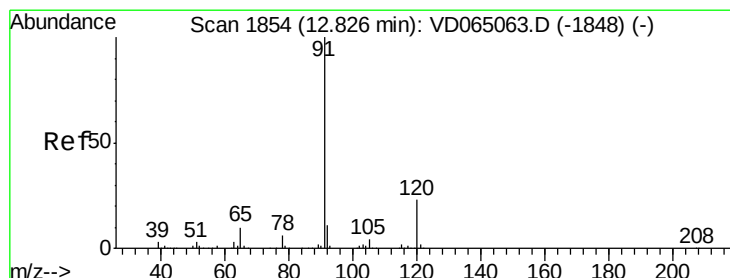
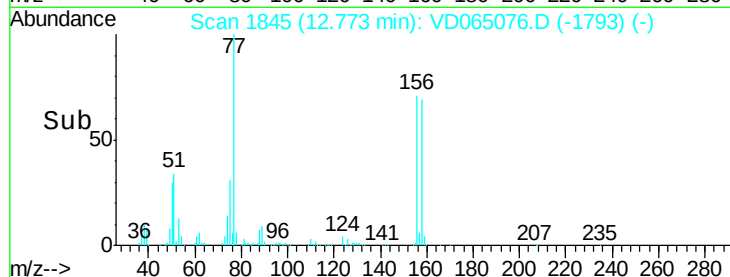
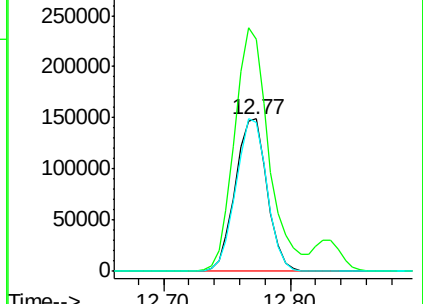
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.773 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065076.D

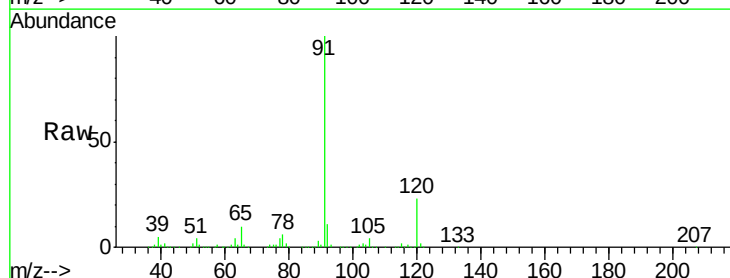
Acq: 05 Feb 2020 21:01

Tgt Ion: 91 Resp: 1240012

Ion Ratio Lower Upper

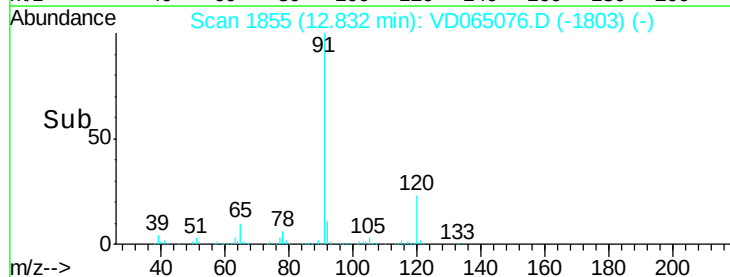
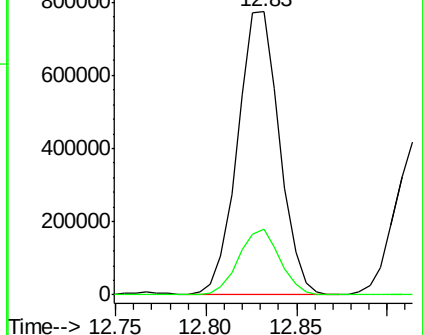
91 100

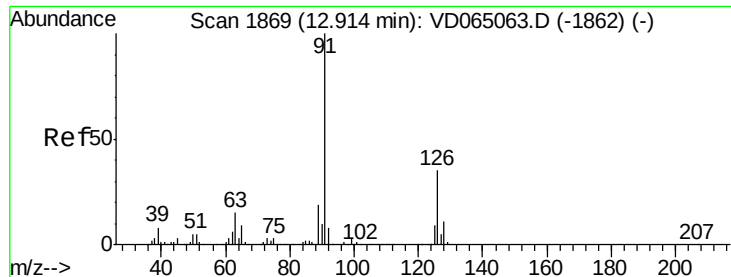
120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.180 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 697082

Ion Ratio Lower Upper

91 100

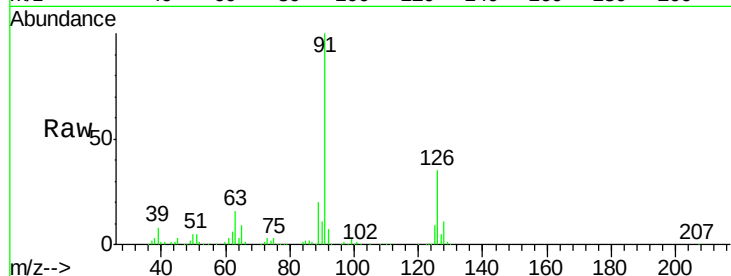
126 34.9 17.4 52.3

Manual Integrations

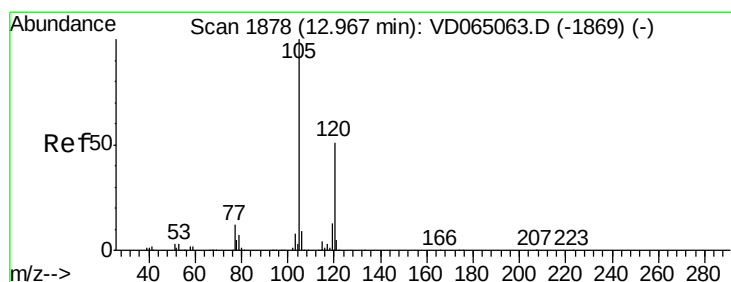
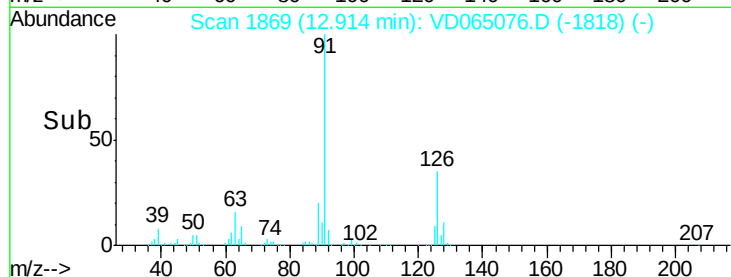
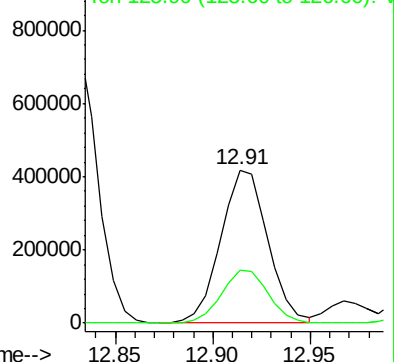
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Abundance Ion 91.00 (90.70 to 91.70): VD065076.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.764 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065076.D

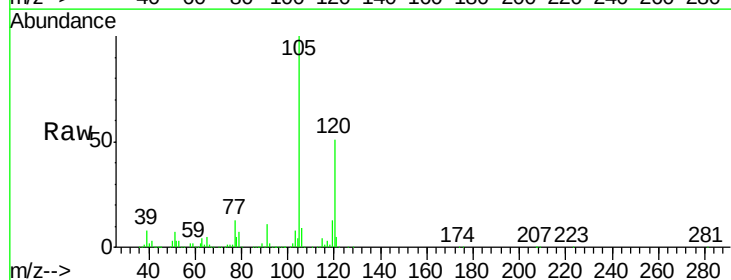
Acq: 05 Feb 2020 21:01

Tgt Ion: 105 Resp: 866090

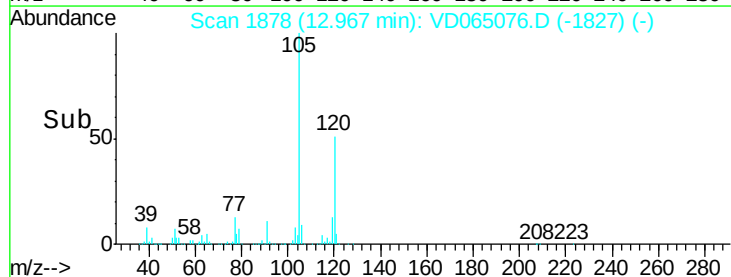
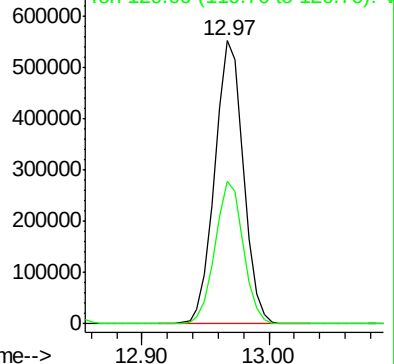
Ion Ratio Lower Upper

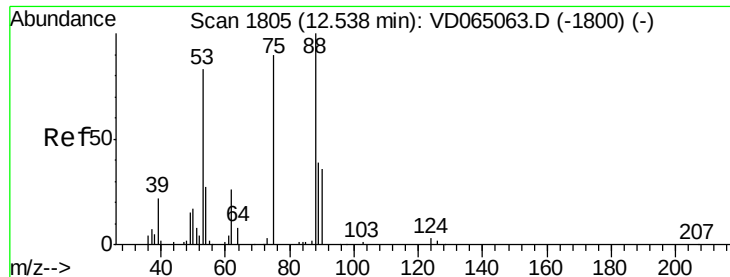
105 100

120 50.0 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065076.D (-1827) (-)





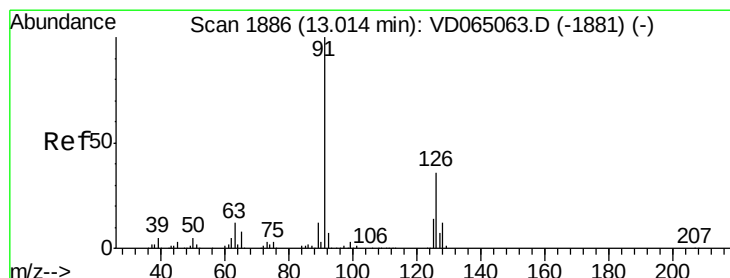
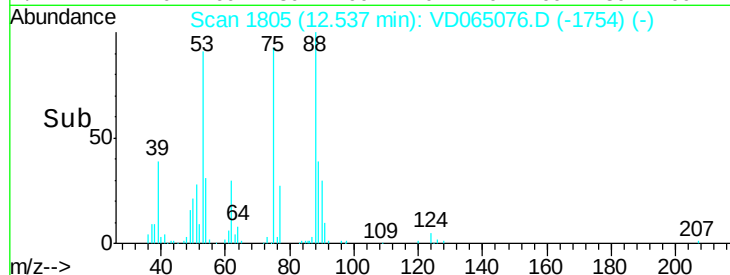
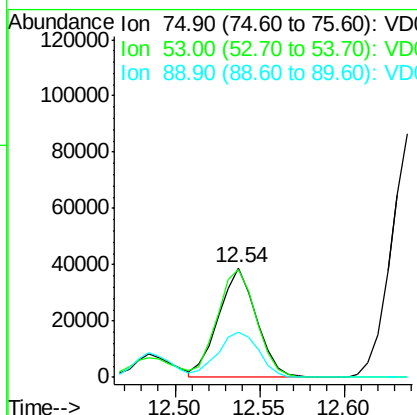
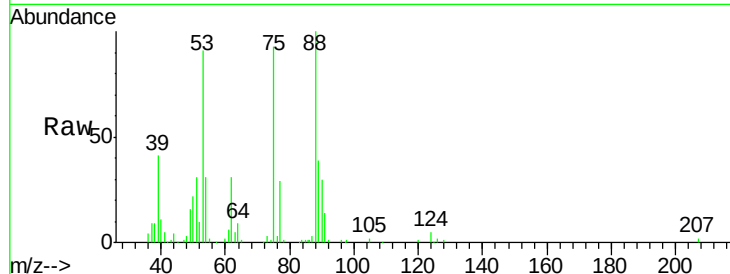
#81
trans-1,4-Dichloro-2-butene
Concen: 49.758 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 60829
Ion Ratio Lower Upper
75 100
53 101.6 78.5 117.7
89 44.7 37.0 55.4

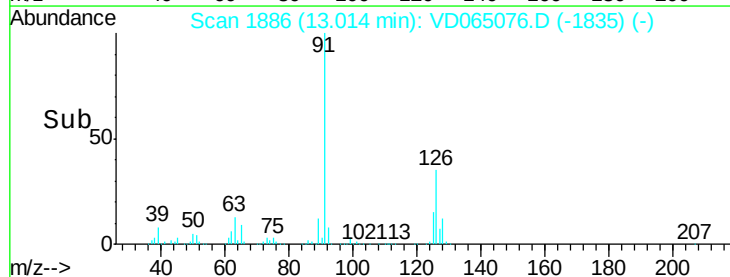
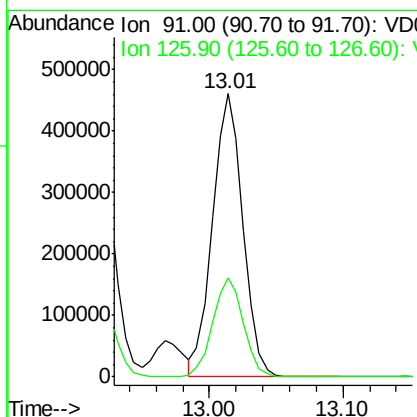
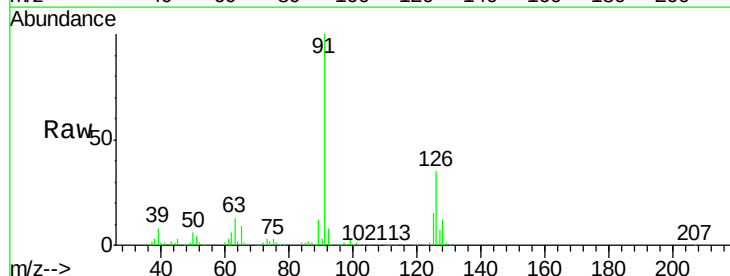
Manual Integrations
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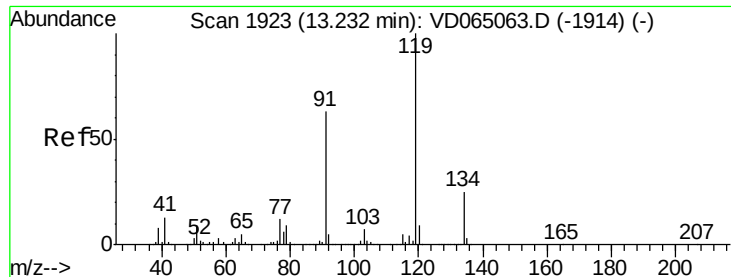
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#82
4-Chlorotoluene
Concen: 48.123 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion: 91 Resp: 731249
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.5





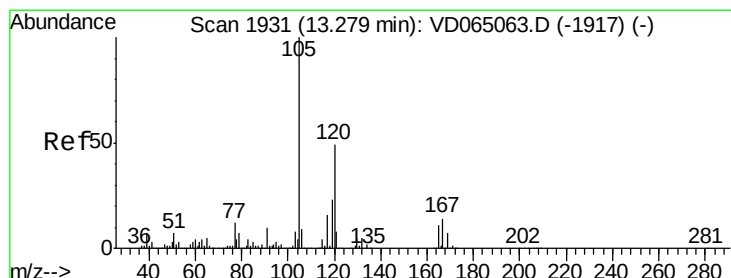
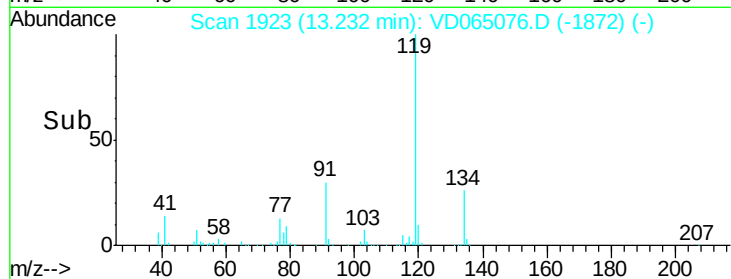
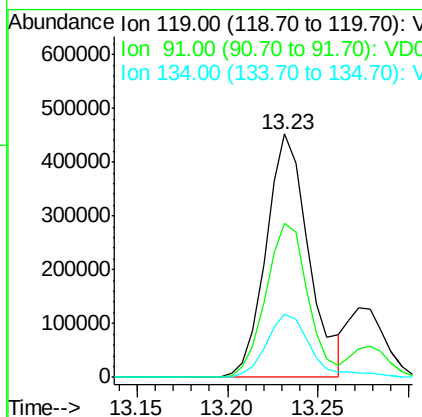
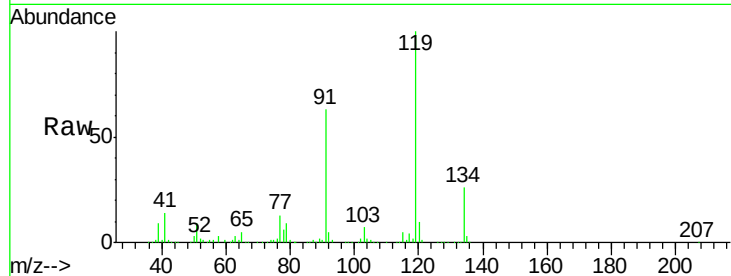
#83
 tert-Butylbenzene
 Concen: 47.383 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	32.3	96.9
134	27.1	13.8	41.3

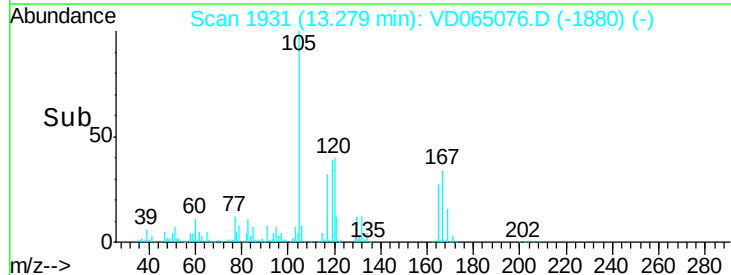
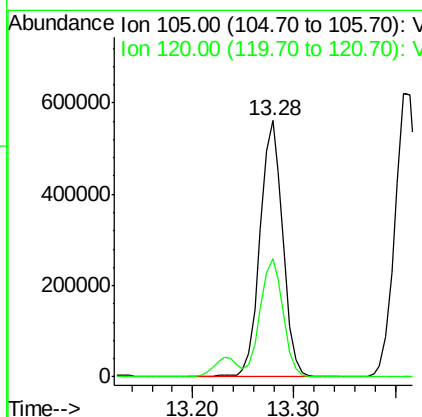
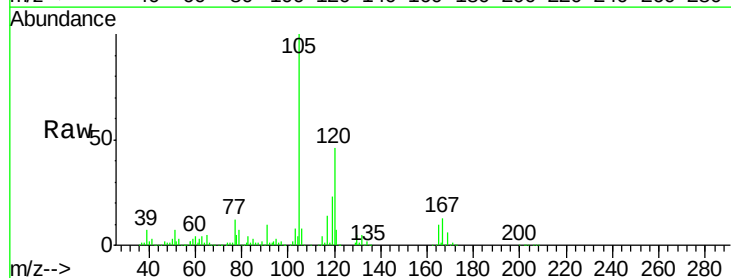
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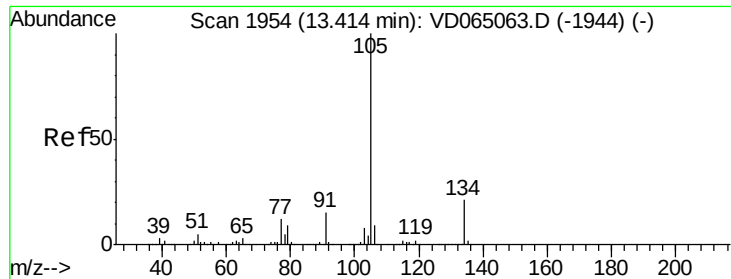
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.722 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.5	70.5





#85

sec-Butylbenzene

Concen: 46.921 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1002532

Ion Ratio Lower Upper

105 100

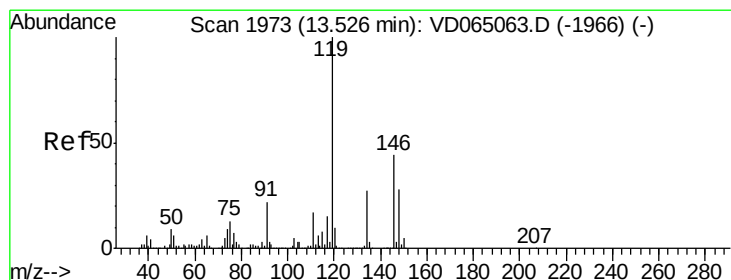
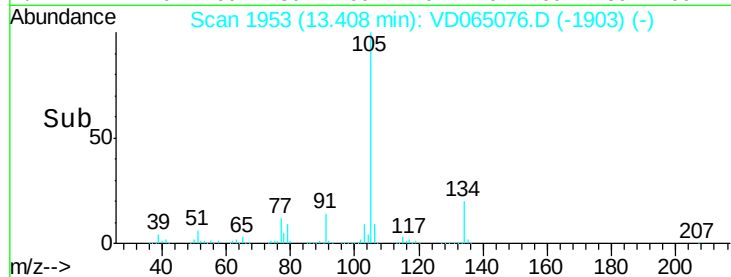
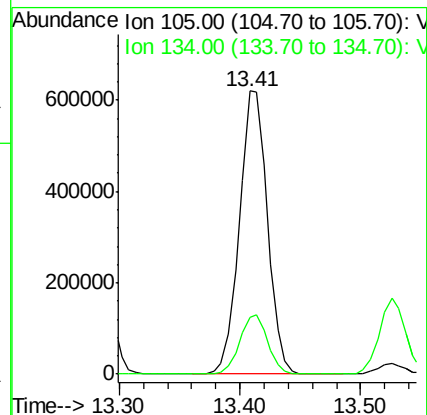
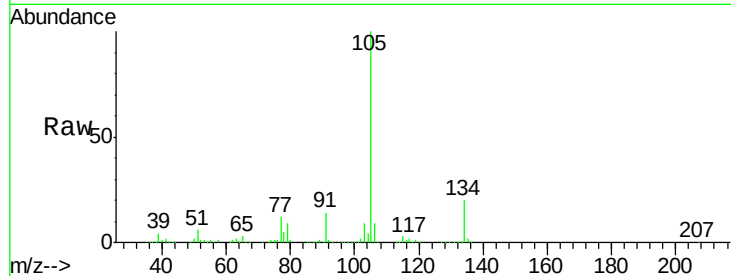
134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 48.233 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

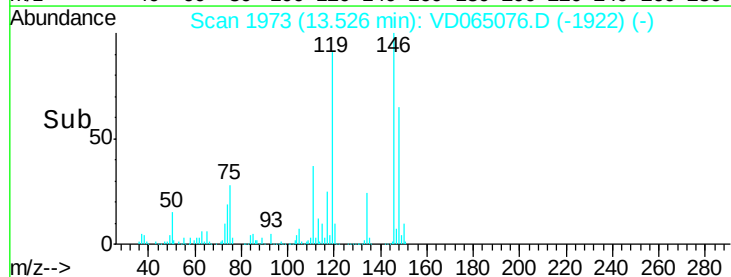
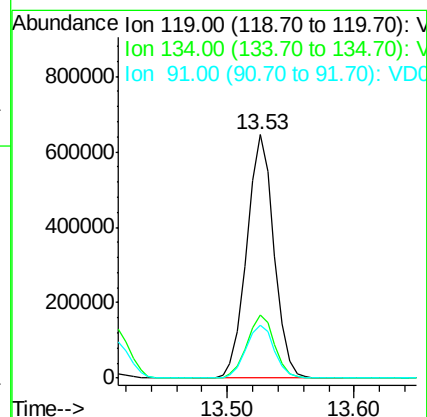
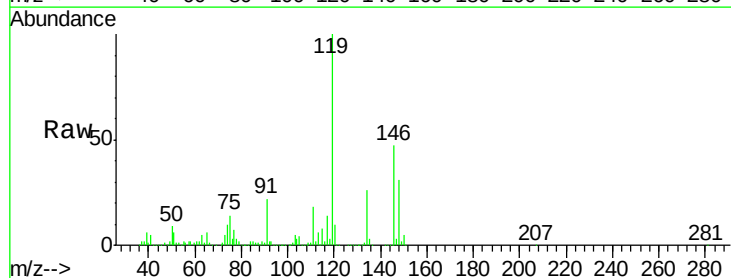
Tgt Ion:119 Resp: 957517

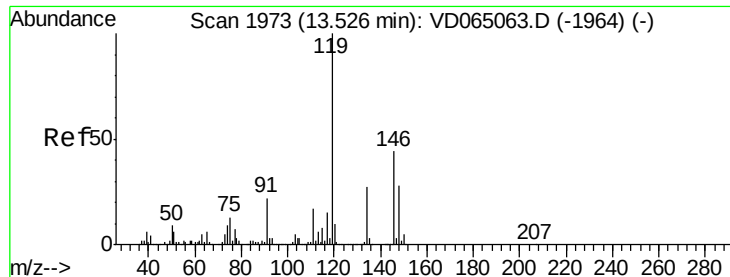
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.5

91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 49.373 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Instrument :

MSVOA_D

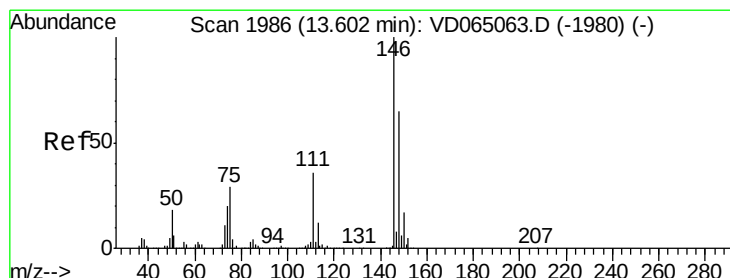
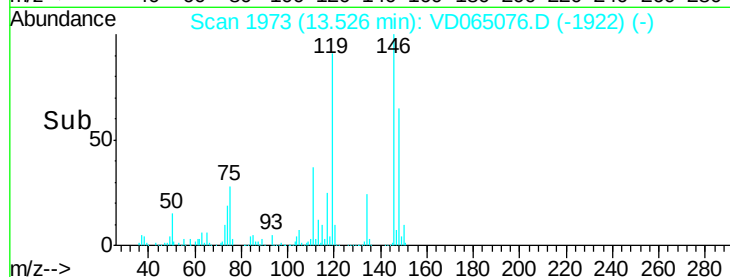
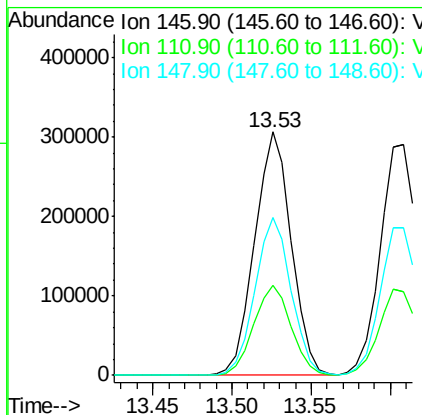
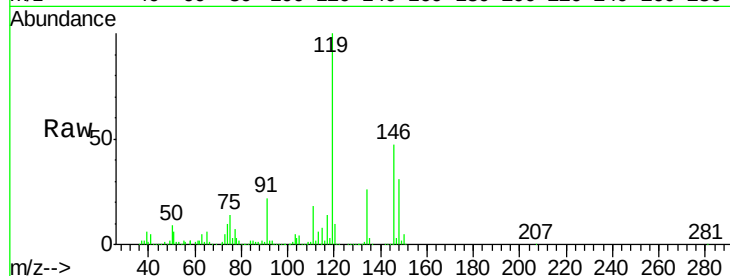
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	493647
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.4	58.4
148	63.7	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 48.358 ug/l

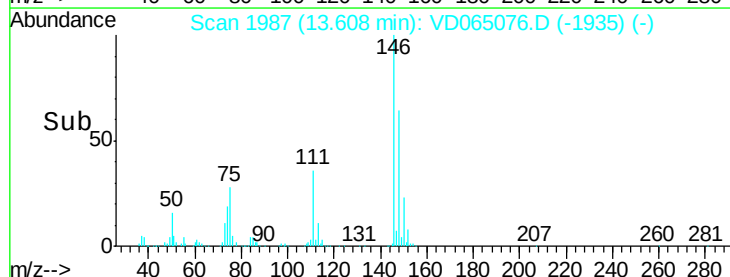
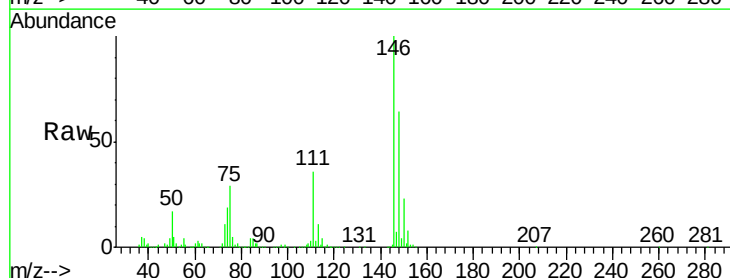
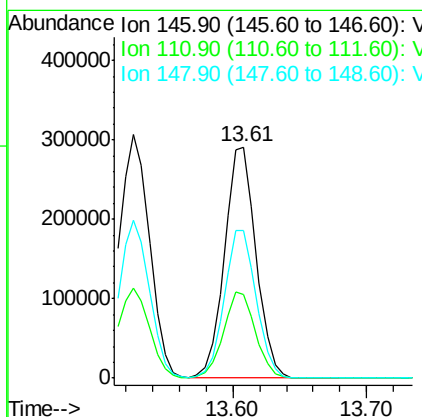
RT: 13.61 min Scan# 1987

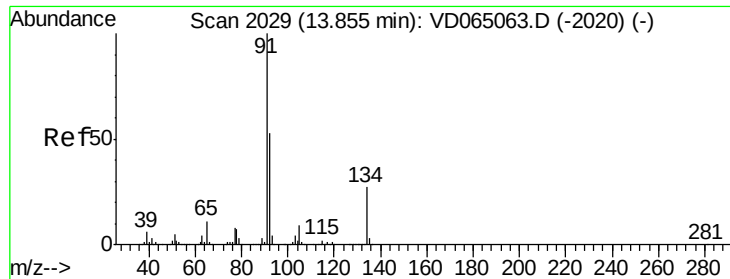
Delta R.T. 0.01 min

Lab File: VD065076.D

Acq: 05 Feb 2020 21:01

Tgt Ion:	146	Resp:	481227
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.5	55.5
148	64.7	32.7	98.1





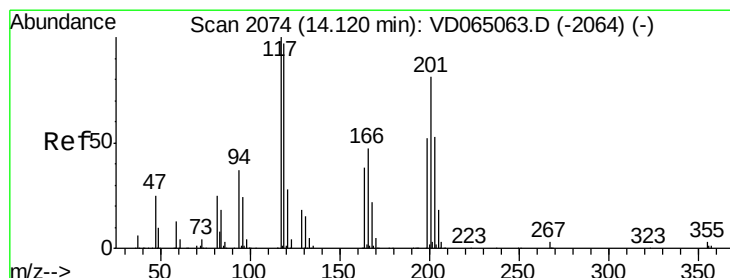
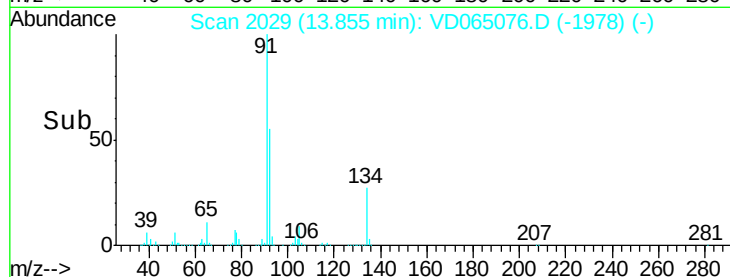
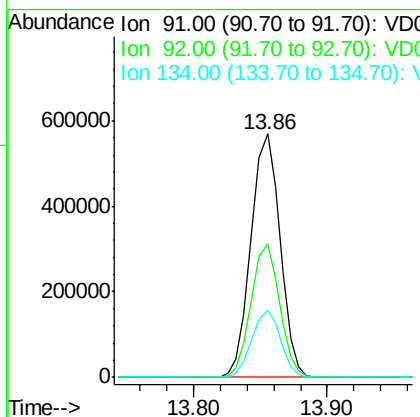
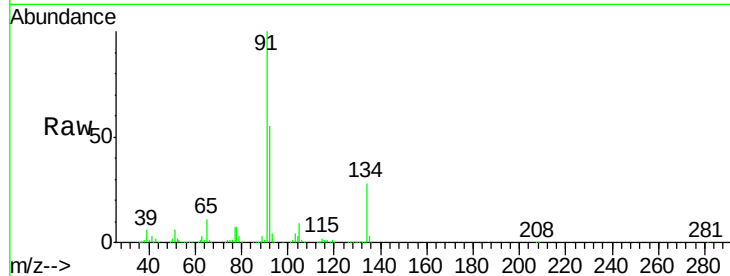
#89
n-Butylbenzene
Concen: 46.794 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		857421		
92	53.6	26.7		80.1	
134	27.1	13.4		40.2	

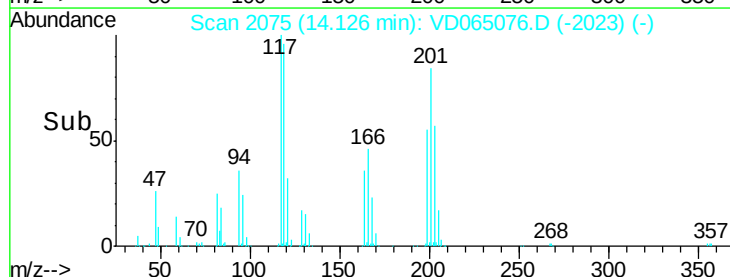
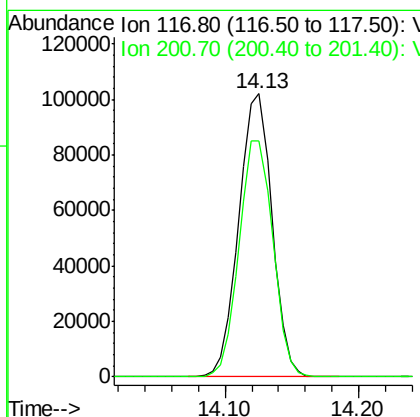
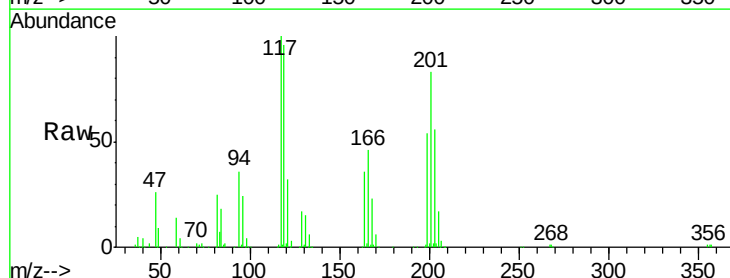
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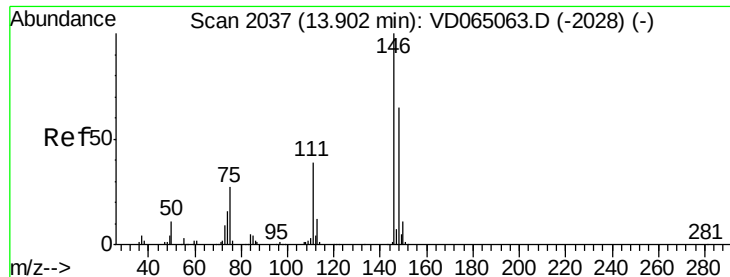
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#90
Hexachloroethane
Concen: 46.817 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		175989		
201	85.2	42.5		127.6	





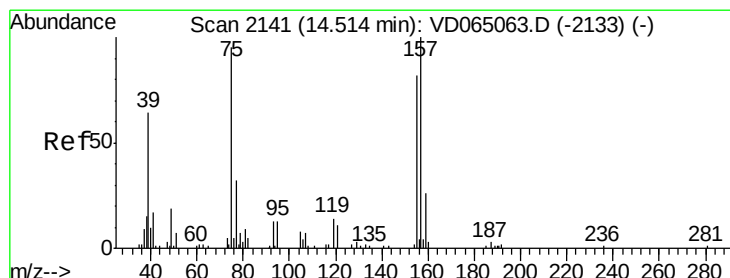
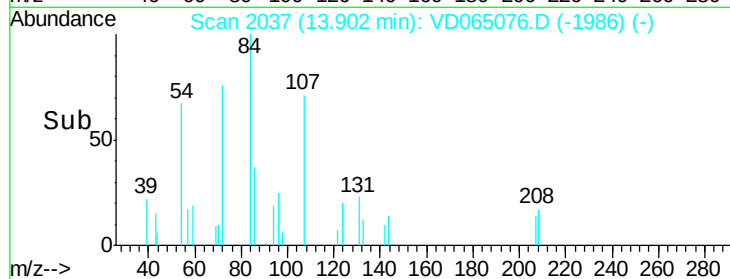
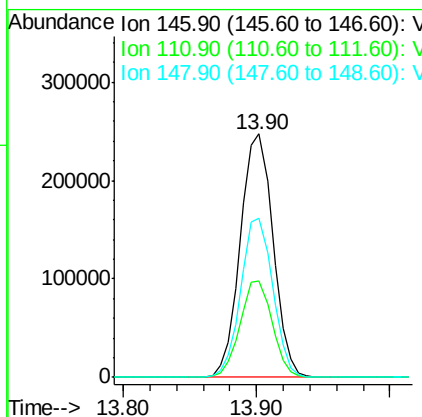
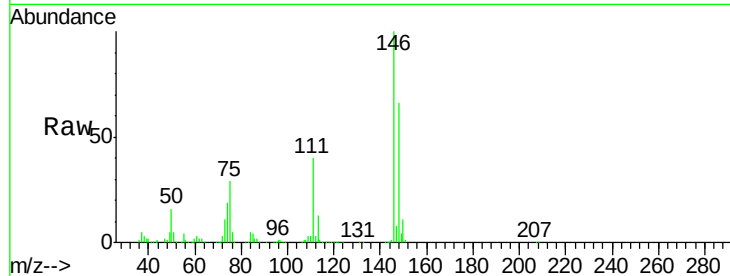
#91
 1,2-Dichlorobenzene
 Concen: 48.995 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	64.1	31.9	95.5

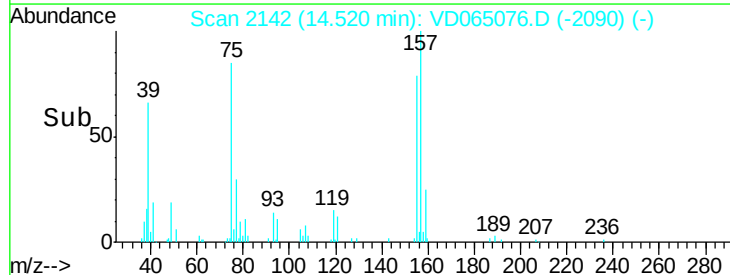
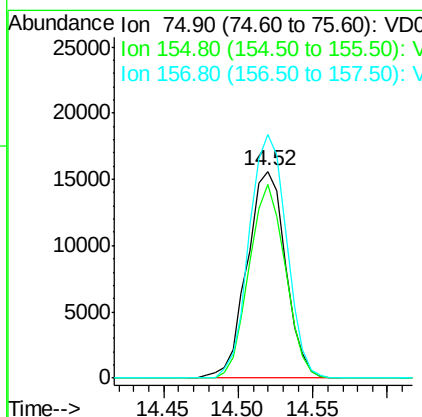
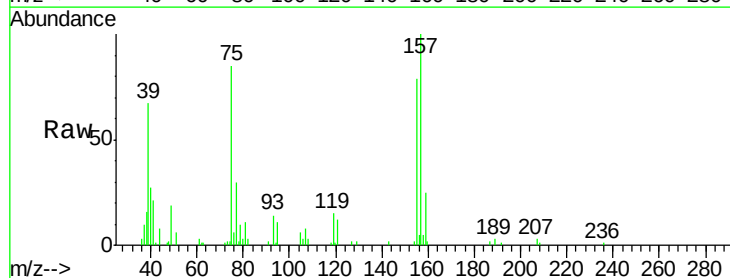
Manual Integrations
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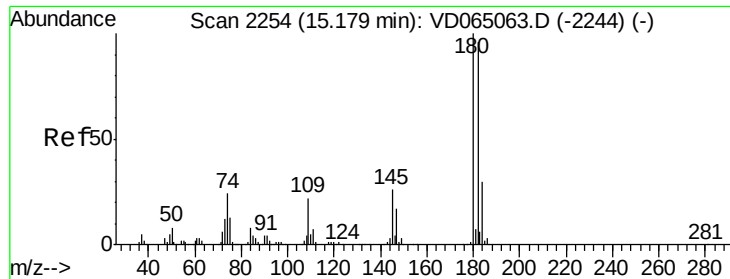
MMDadoda
 2/6/2020 10:37:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.825 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	43.4	130.1
157	114.3	55.8	167.3





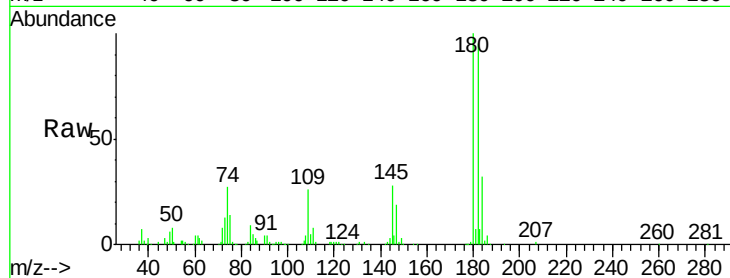
#93
 1,2,4-Trichlorobenzene
 Concen: 46.910 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

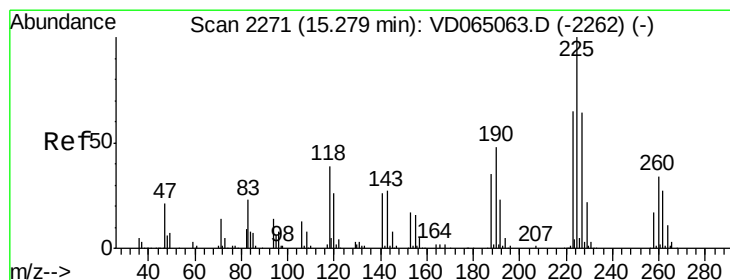
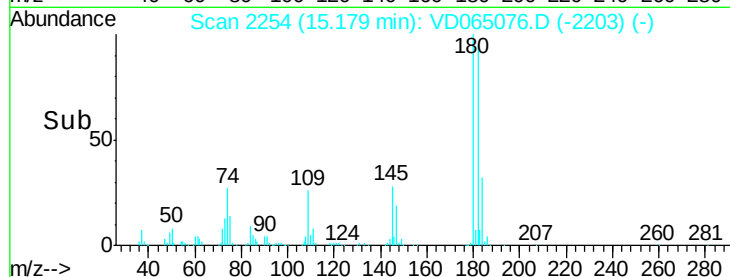
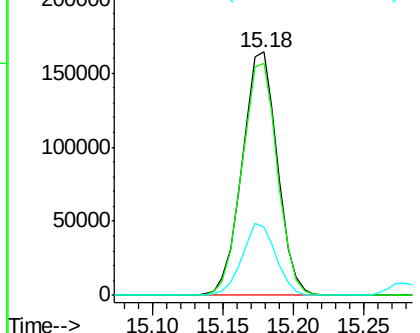
Tot Ion	Ratio	Resp	Lower	Upper
180	100	287132		
182	95.9	47.4	142.3	
145	28.3	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:34 AM

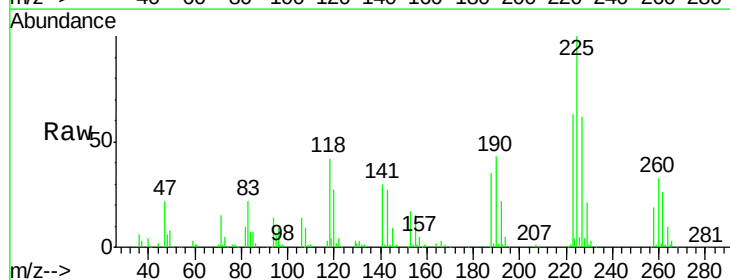


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

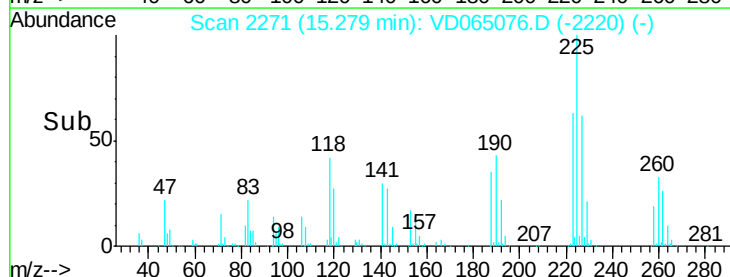
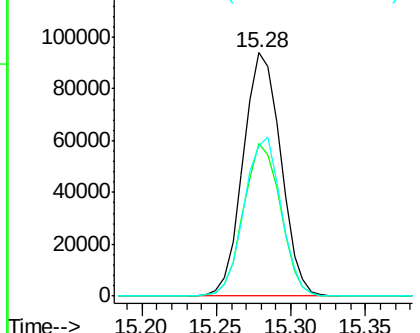


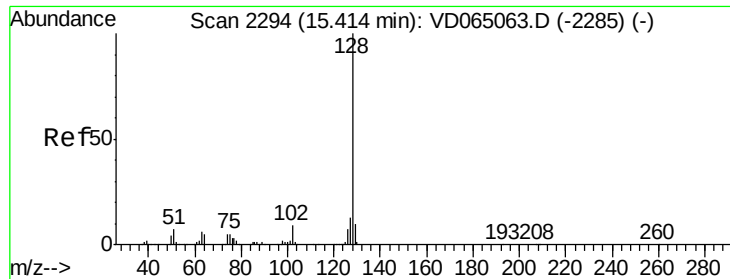
#94
 Hexachlorobutadiene
 Concen: 43.645 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065076.D
 Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164263		
223	61.9	31.4	94.0	
227	64.0	31.8	95.3	



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





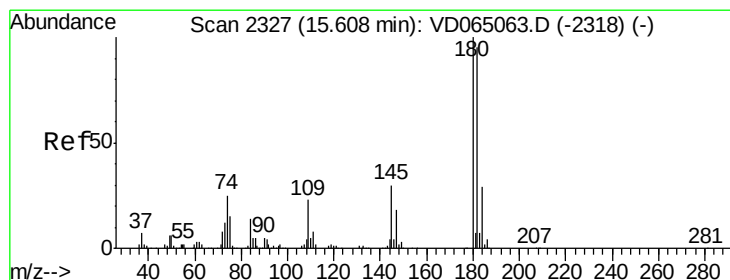
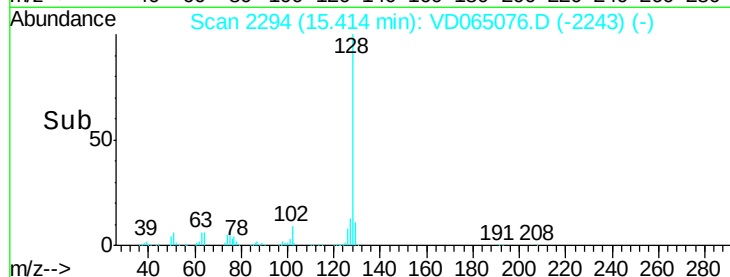
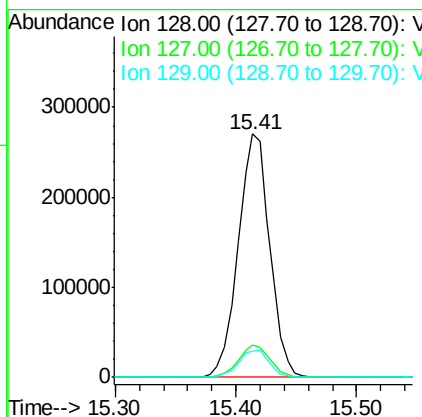
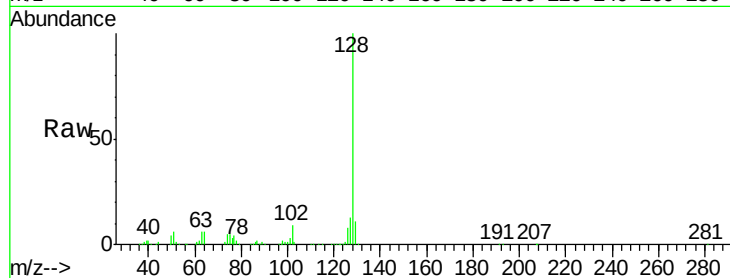
#95
Naphthalene
Concen: 48.339 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
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MMDadoda
2/6/2020 10:37:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.499 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065076.D
Acq: 05 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.1	141.4
145	30.0	14.9	44.9

