

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072720\
 Data File : VD066062.D
 Acq On : 27 Jul 2020 11:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 7/28/2020 1:44:05 PM

Quant Time: Jul 27 17:52:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	282707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	397934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	371119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117622	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.91	113	121203	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.34	98	463773	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	164137	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93984	43.806	ug/l	100
3) Chloromethane	2.21	50	81990	46.829	ug/l	95
4) Vinyl Chloride	2.35	62	84116	50.450	ug/l	97
5) Bromomethane	2.77	94	60142	51.434	ug/l	100
6) Chloroethane	2.93	64	51041	51.282	ug/l	96
7) Trichlorofluoromethane	3.27	101	207356	51.130	ug/l	99
8) Diethyl Ether	3.71	74	53460	47.690	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	122440	50.001	ug/l	97
10) Methyl Iodide	4.30	142	142578	56.293	ug/l	97
11) Tert butyl alcohol	5.21	59	35582	245.359	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	116815	49.976	ug/l	88
13) Acrolein	3.91	56	46274	238.759	ug/l	97
14) Allyl chloride	4.71	41	172451	47.197	ug/l	93
15) Acrylonitrile	5.42	53	116700	243.680	ug/l	99
16) Acetone	4.15	43	140671	302.112	ug/l	93
17) Carbon Disulfide	4.41	76	342229	45.137	ug/l	99
18) Methyl Acetate	4.71	43	48829	45.079	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	255303	53.160	ug/l	99
20) Methylene Chloride	4.96	84	146326	57.265	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	132014	49.972	ug/l	96
22) Diisopropyl ether	6.36	45	337284	48.588	ug/l	98
23) Vinyl Acetate	6.30	43	991136	253.171	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	207783	49.401	ug/l	97
25) 2-Butanone	7.21	43	150906	244.245	ug/l	91
26) 2,2-Dichloropropane	7.21	77	203996	53.934	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	139214	49.771	ug/l	99
28) Bromochloromethane	7.54	49	87711	49.133	ug/l	91
29) Tetrahydrofuran	7.56	42	91913	241.106	ug/l	96
30) Chloroform	7.71	83	223565	50.814	ug/l	99
31) Cyclohexane	7.98	56	190329	45.996	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	216329	53.156	ug/l	99
36) 1,1-Dichloropropene	8.11	75	178756	52.635	ug/l	100
37) Ethyl Acetate	7.29	43	66001	50.887	ug/l	99
38) Carbon Tetrachloride	8.10	117	208161	56.489	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	218006	53.007	ug/l	99
40) Benzene	8.35	78	488860	51.452	ug/l	95
41) Methacrylonitrile	7.53	41	37043m	49.856	ug/l	
42) 1,2-Dichloroethane	8.42	62	141823	54.472	ug/l	99
43) Isopropyl Acetate	8.45	43	129933	51.292	ug/l	99
44) Trichloroethene	9.11	130	153433	53.364	ug/l	92
45) 1,2-Dichloropropane	9.39	63	116811	50.762	ug/l	96
46) Dibromomethane	9.47	93	64507	52.073	ug/l	94
47) Bromodichloromethane	9.67	83	172405	52.635	ug/l	99
48) Methyl methacrylate	9.46	41	65033	50.894	ug/l	92
49) 1,4-Dioxane	9.46	88	14766	1028.852	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	334005	261.681	ug/l	99
52) Toluene	10.41	92	337061	54.398	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	167747	54.971	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	197790	53.470	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93518	53.229	ug/l	96
56) Ethyl methacrylate	10.66	69	115889	56.734	ug/l	96
57) 1,3-Dichloropropane	10.95	76	153617	52.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	234431	240.247	ug/l	97
59) 2-Hexanone	10.99	43	241631	273.179	ug/l	96
60) Dibromochloromethane	11.14	129	130935	55.274	ug/l	99
61) 1,2-Dibromoethane	11.25	107	92213	54.436	ug/l	100
64) Tetrachloroethene	10.88	164	133473	52.988	ug/l	95
65) Chlorobenzene	11.67	112	357698	52.641	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	140484	55.992	ug/l	98
67) Ethyl Benzene	11.75	91	629896	53.867	ug/l	99
68) m/p-Xylenes	11.86	106	493173	109.727	ug/l	99
69) o-Xylene	12.18	106	226906	55.506	ug/l	98
70) Styrene	12.20	104	396750	56.487	ug/l	99
71) Bromoform	12.37	173	84696	57.630	ug/l #	98
73) Isopropylbenzene	12.48	105	634028	51.070	ug/l	99
74) N-amyl acetate	12.30	43	127736	49.623	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98515	48.015	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	64294m	41.619	ug/l	
77) Bromobenzene	12.77	156	159693	50.332	ug/l	94
78) n-propylbenzene	12.83	91	736141	51.098	ug/l	98
79) 2-Chlorotoluene	12.91	91	414890	50.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	534347	52.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	34396	51.091	ug/l	99
82) 4-Chlorotoluene	13.01	91	440624	50.720	ug/l	99
83) tert-Butylbenzene	13.23	119	466929	52.314	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	527185	52.389	ug/l	99
85) sec-Butylbenzene	13.41	105	649426	52.825	ug/l	98
86) p-Isopropyltoluene	13.53	119	604519	54.125	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	300339	50.985	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305654	51.327	ug/l	98
89) n-Butylbenzene	13.85	91	555784	53.517	ug/l	98
90) Hexachloroethane	14.12	117	117523	50.829	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	264355	51.789	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16948	50.401	ug/l	98

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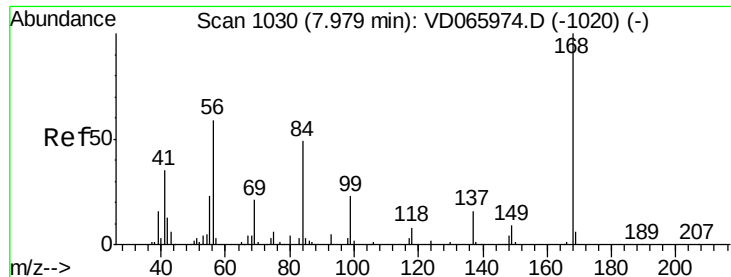
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	203151	55.446	ug/l	99
94) Hexachlorobutadiene	15.28	225	126835	55.993	ug/l	100
95) Naphthalene	15.41	128	317610	48.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173285	54.402	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 282707

Ion Ratio Lower Upper

168 100

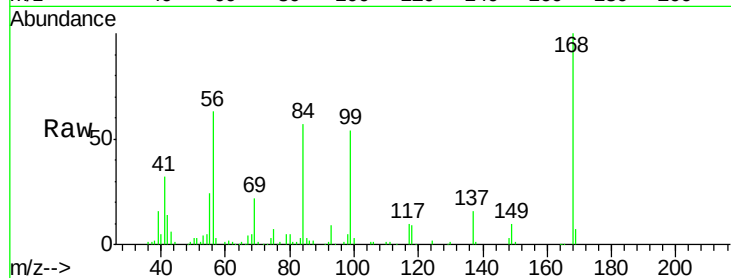
99 53.8 40.8 61.2

Manual Integrations

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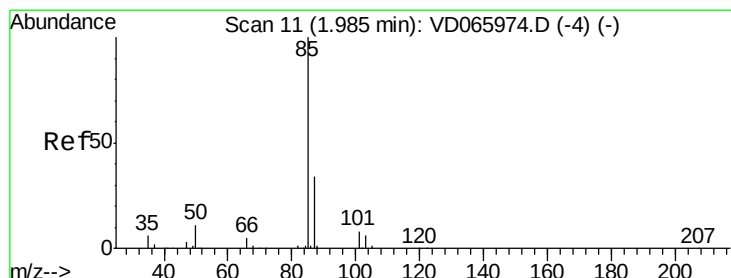
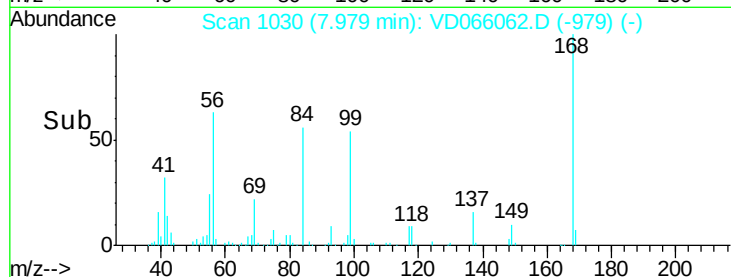
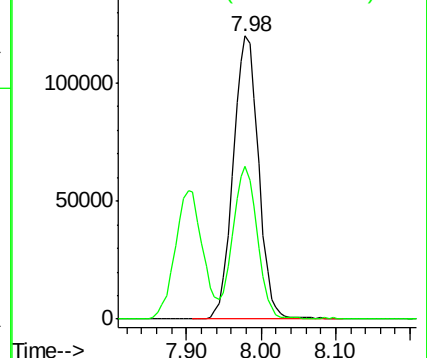
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.806 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066062.D

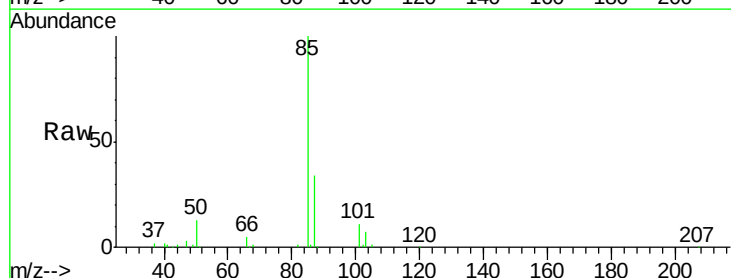
Acq: 27 Jul 2020 11:40

Tgt Ion: 85 Resp: 93984

Ion Ratio Lower Upper

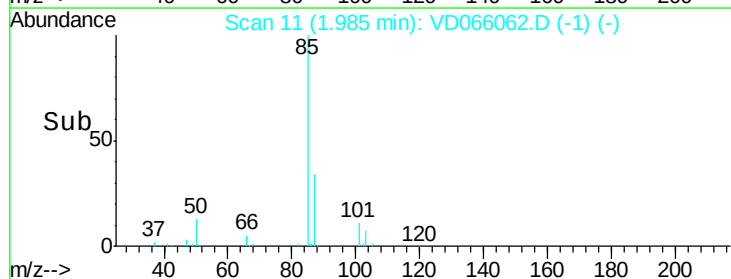
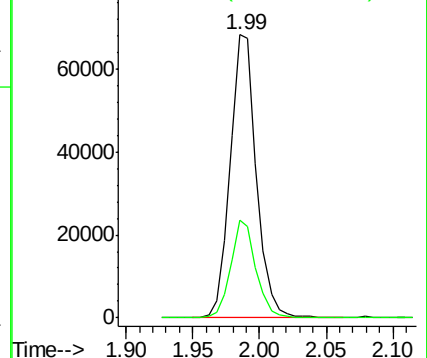
85 100

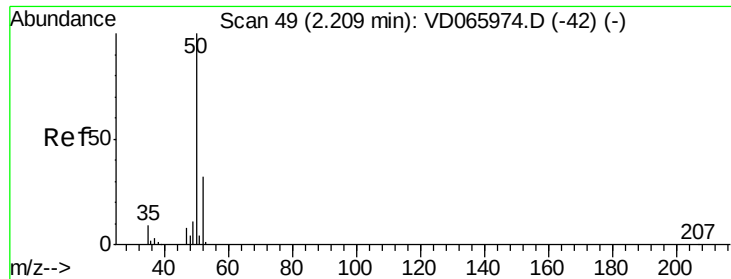
87 34.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.829 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 81990

Ion Ratio Lower Upper

50 100

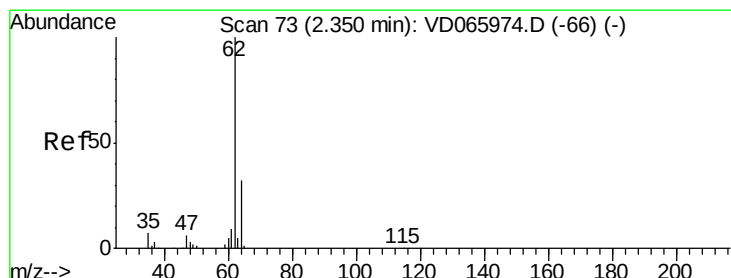
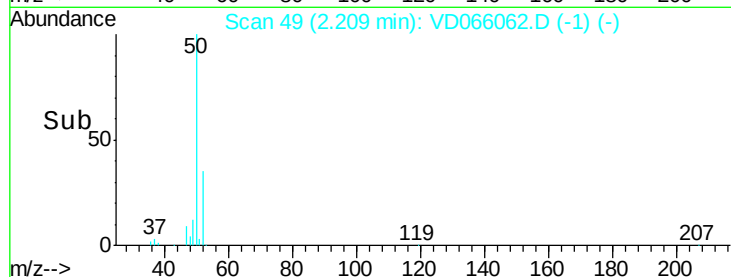
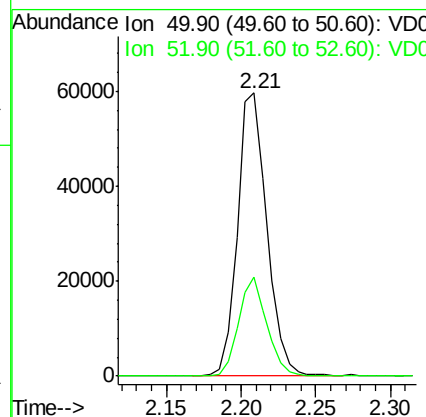
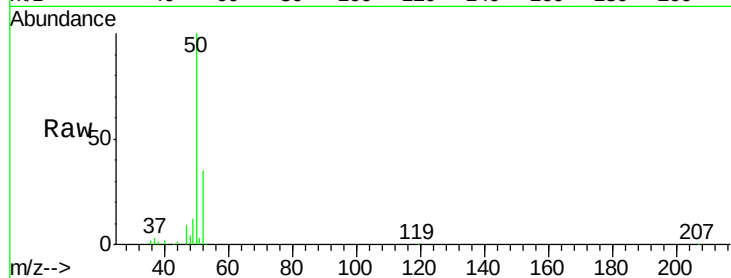
52 35.0 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.450 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066062.D

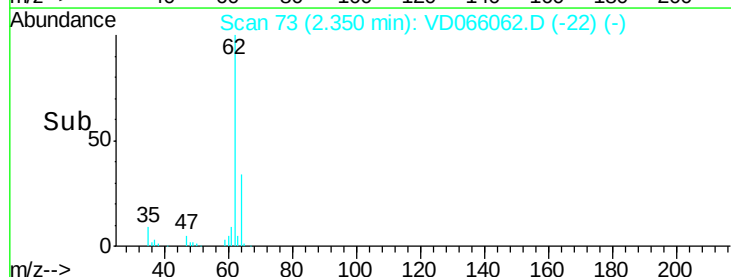
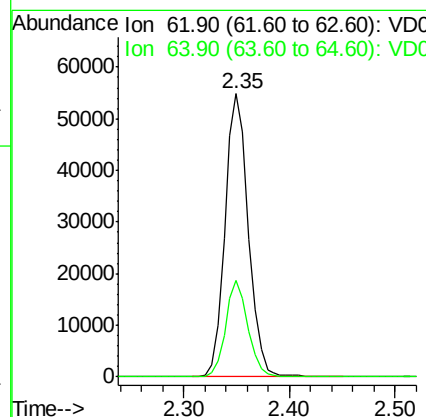
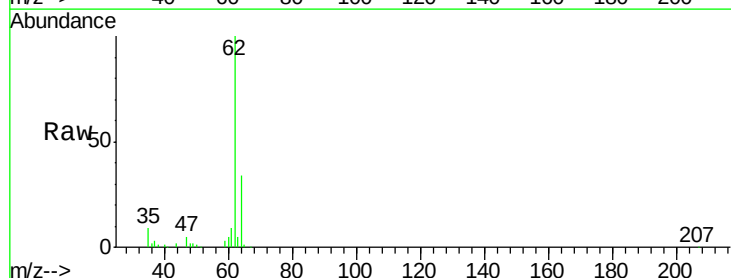
Acq: 27 Jul 2020 11:40

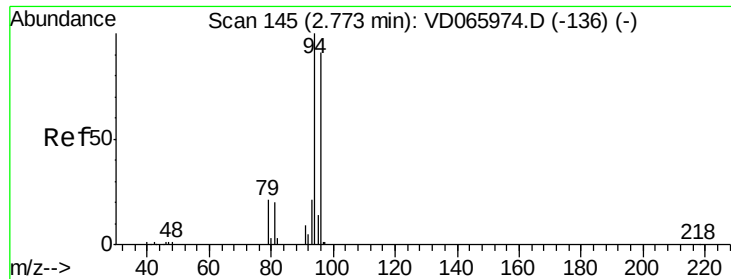
Tgt Ion: 62 Resp: 84116

Ion Ratio Lower Upper

62 100

64 33.9 25.8 38.8





#5

Bromomethane

Concen: 51.434 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60142

Ion Ratio Lower Upper

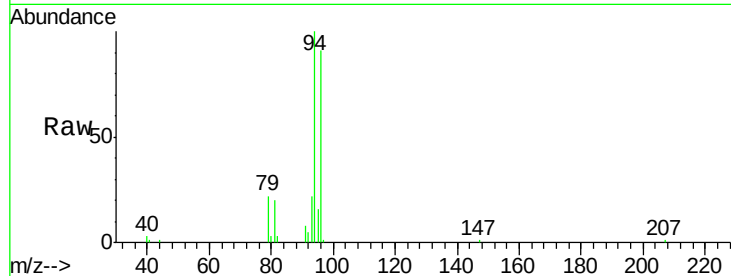
94 100

96 91.0 73.0 109.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

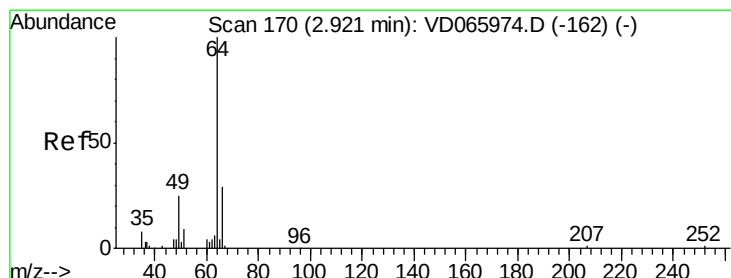
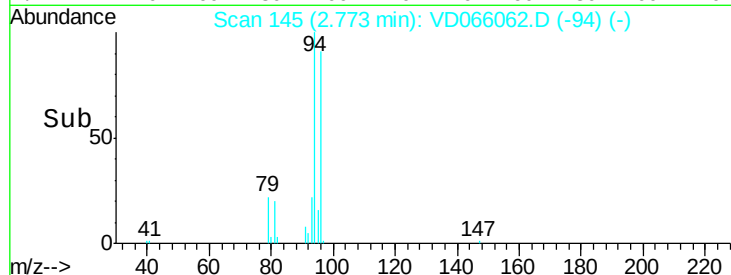
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 51.282 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066062.D

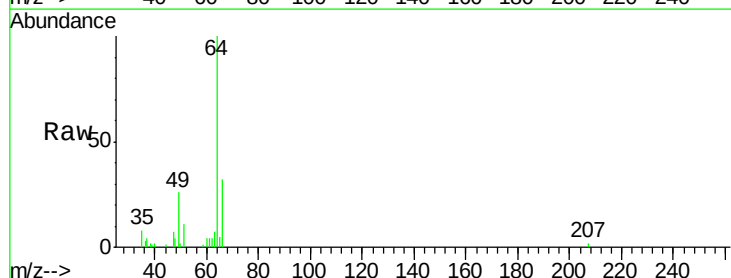
Acq: 27 Jul 2020 11:40

Tgt Ion: 64 Resp: 51041

Ion Ratio Lower Upper

64 100

66 31.6 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

25000

20000

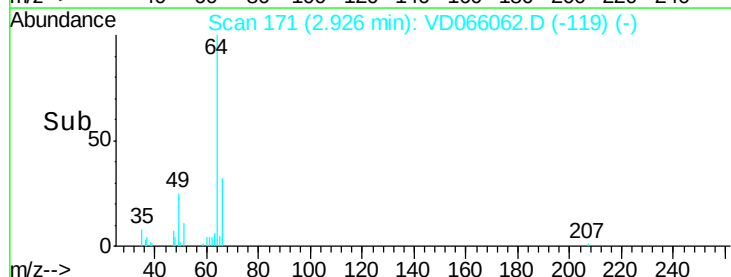
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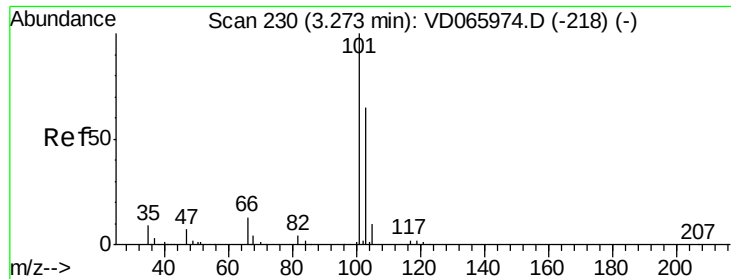
10000

5000

0

Time-->





#7

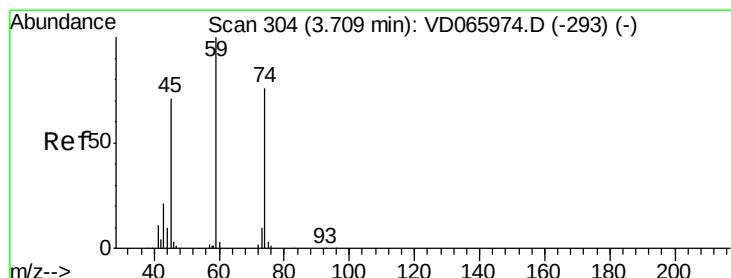
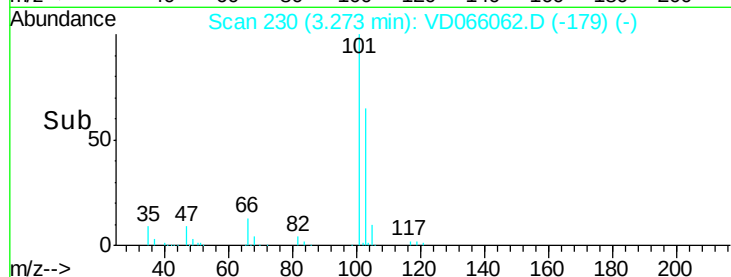
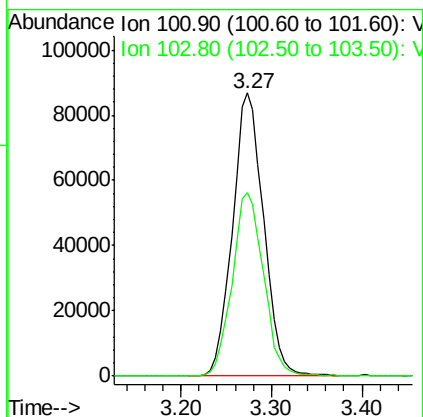
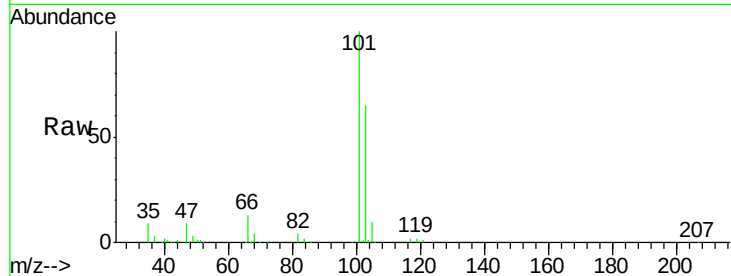
Trichlorofluoromethane
 Concen: 51.130 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		207356		
103	64.7	52.1	78.1		

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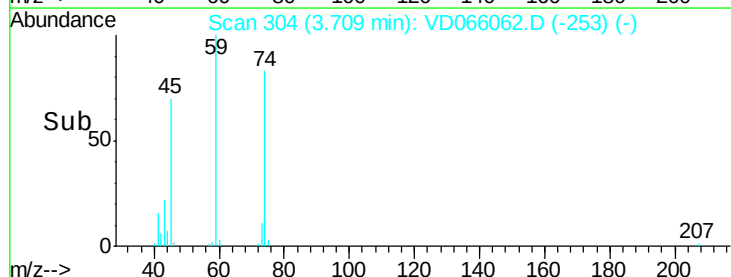
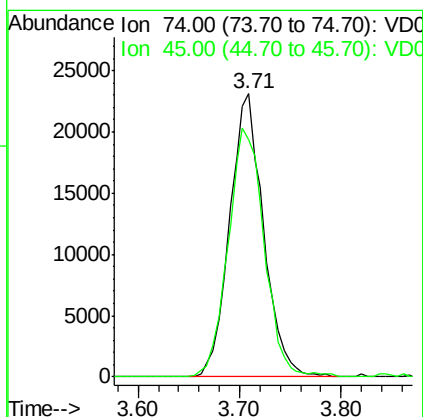
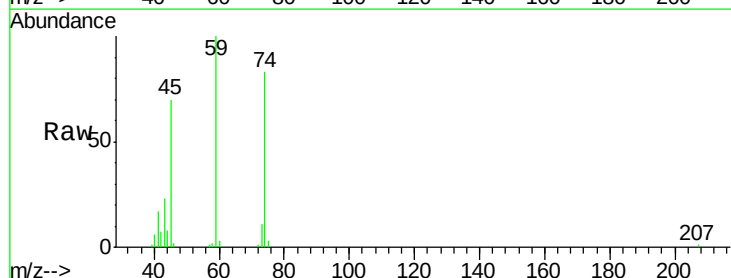
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 7/28/2020 1:44:05 PM

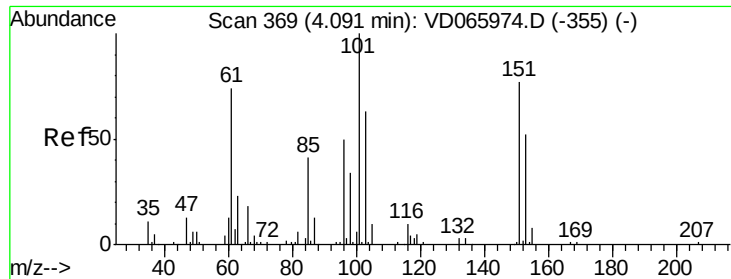


#8

Diethyl Ether
 Concen: 47.690 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53460		
45	93.6	49.9	149.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.001 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

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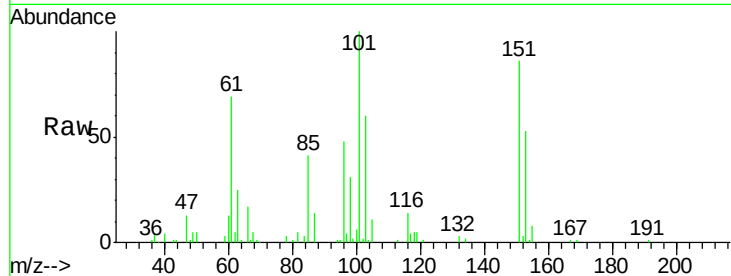
ClientSampleId :

VSTDCCC050

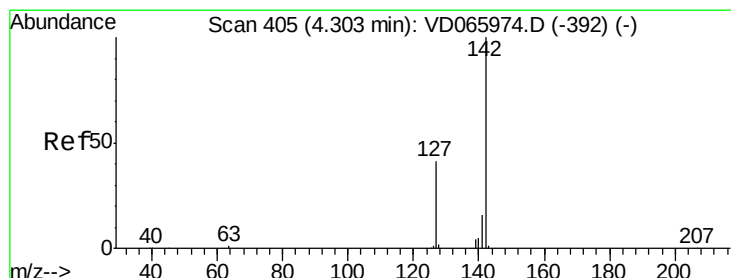
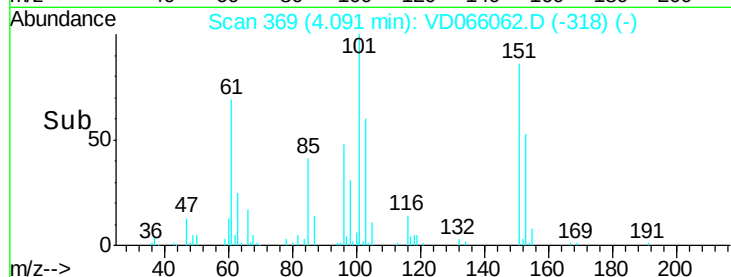
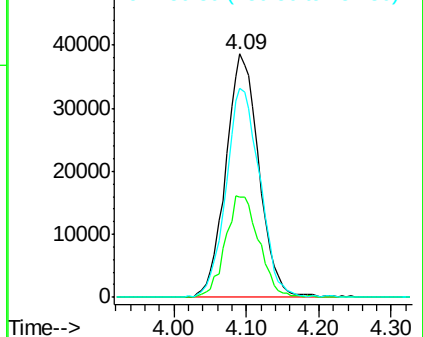
Tot Ion:	101	Resp:	122440
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.6	50.4
151	87.6	66.6	99.8

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



#10

Methyl Iodide

Concen: 56.293 ug/l

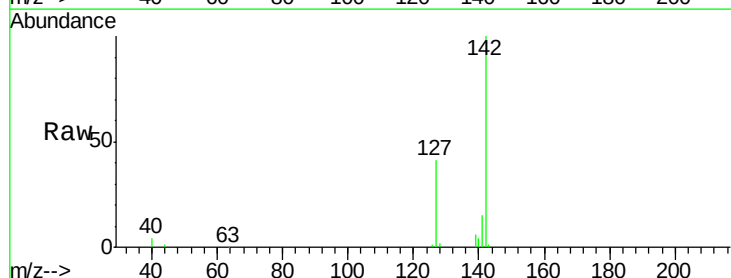
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

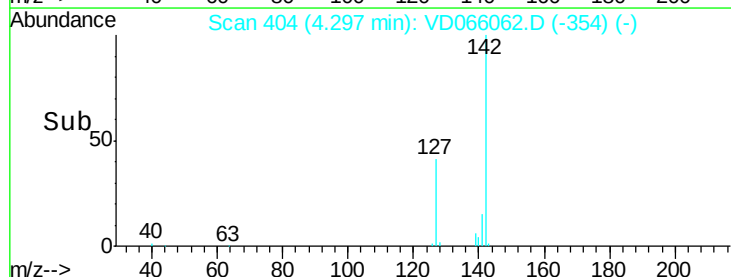
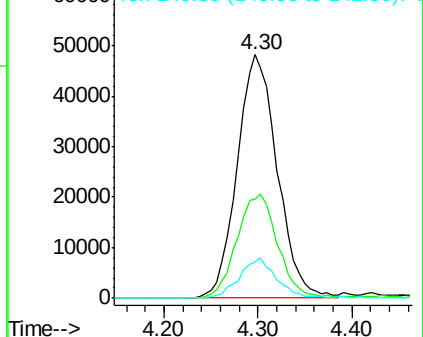
Lab File: VD066062.D

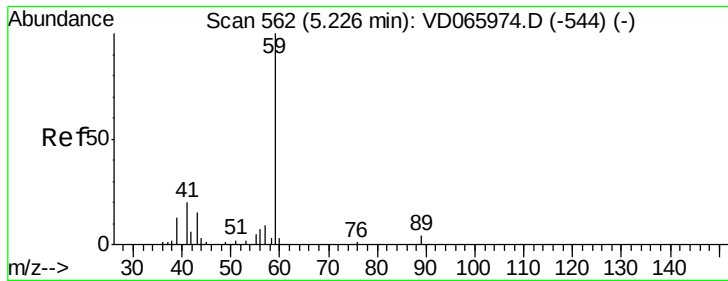
Acq: 27 Jul 2020 11:40

Tgt Ion:	142	Resp:	142578
Ion Ratio	Lower	Upper	
142	100		
127	43.8	32.9	49.3
141	15.1	11.8	17.6



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





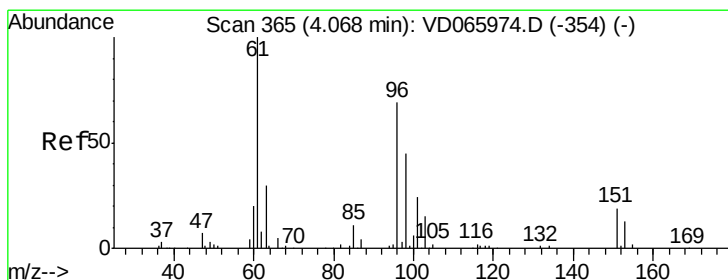
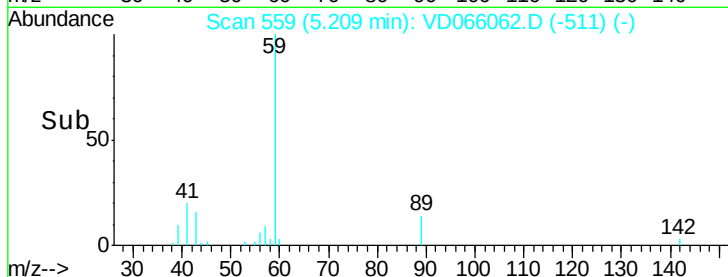
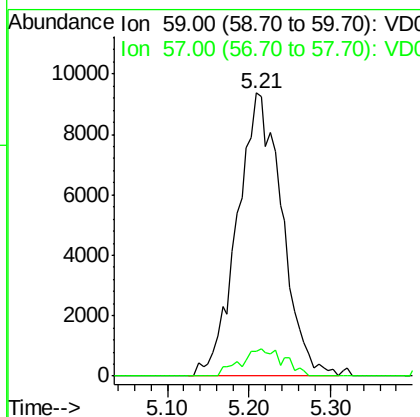
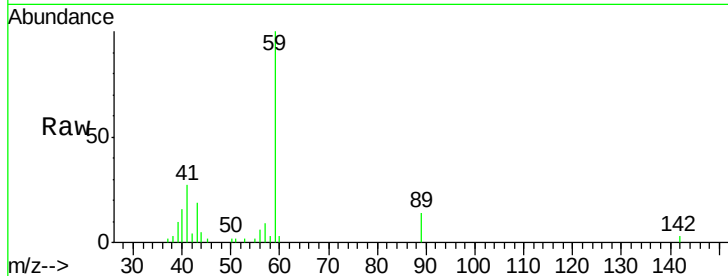
#11
Tert butyl alcohol
Concen: 245.359 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 35582
Ion Ratio Lower Upper
59 100
57 9.4 4.5 6.7#

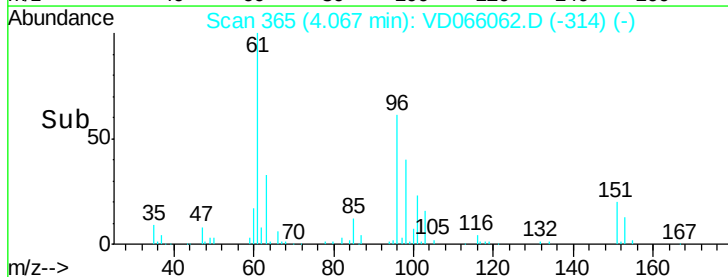
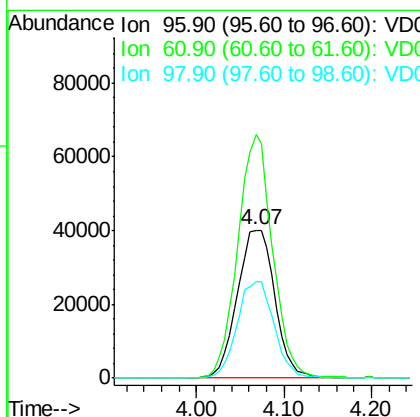
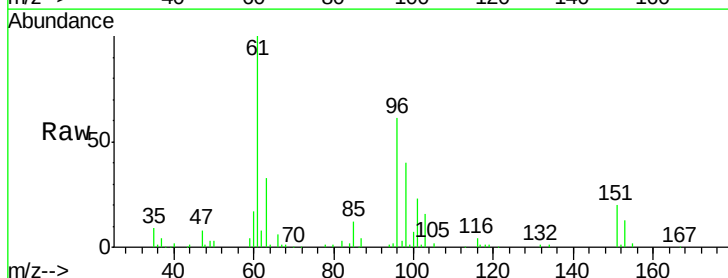
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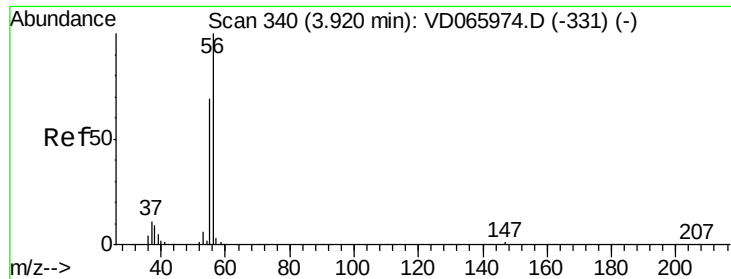
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#12
1,1-Dichloroethene
Concen: 49.976 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion: 96 Resp: 116815
Ion Ratio Lower Upper
96 100
61 164.5 115.4 173.0
98 65.1 51.5 77.3





#13

Acrolein

Concen: 238.759 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46274

Ion Ratio Lower Upper

56 100

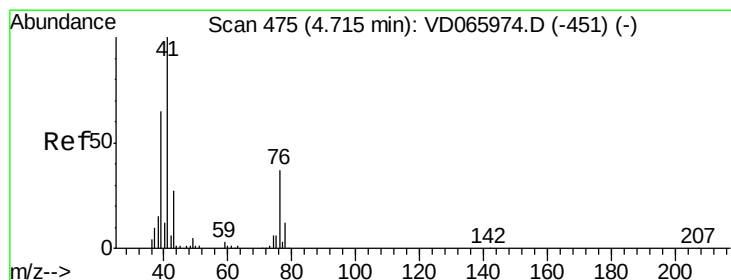
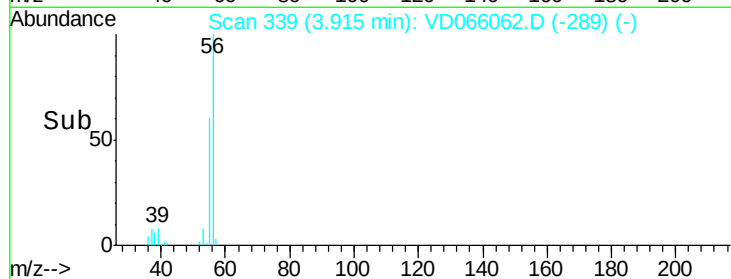
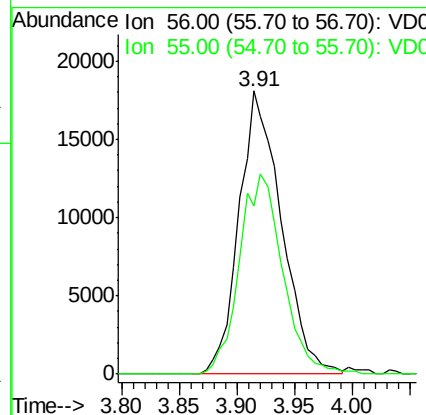
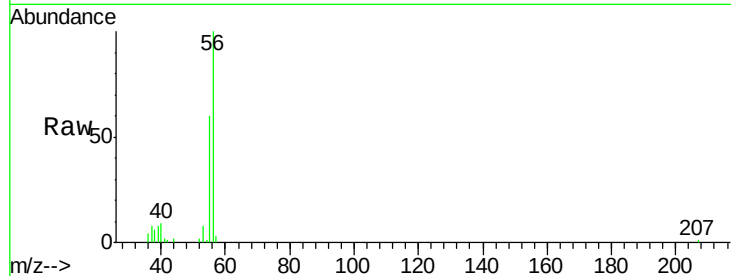
55 72.1 55.8 83.8

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#14

Allyl chloride

Concen: 47.197 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

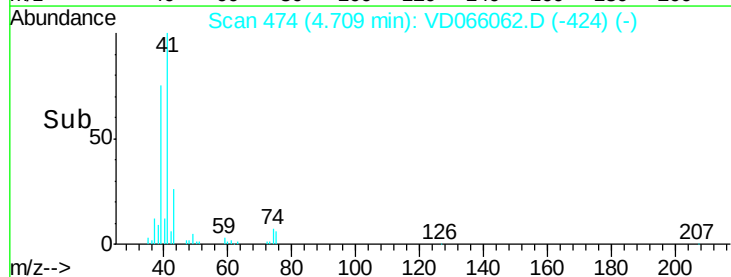
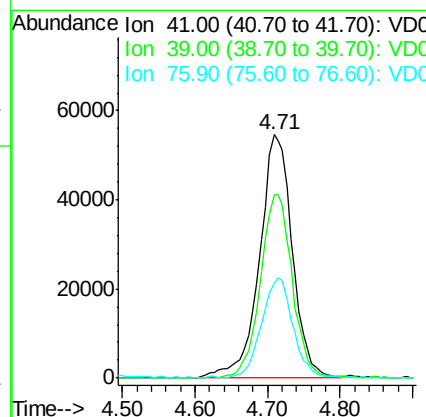
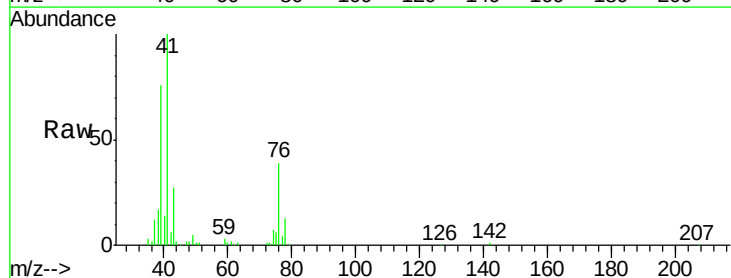
Tgt Ion: 41 Resp: 172451

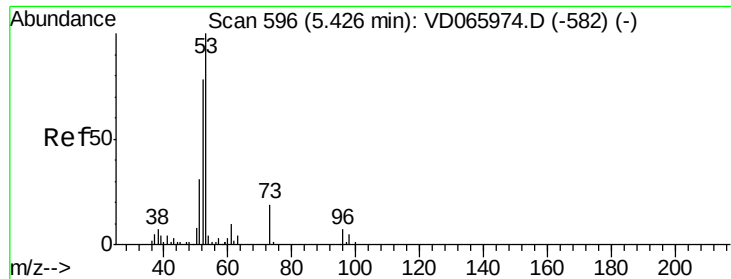
Ion Ratio Lower Upper

41 100

39 73.7 53.4 80.2

76 39.6 29.1 43.7





#15

Acrylonitrile

Concen: 243.680 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

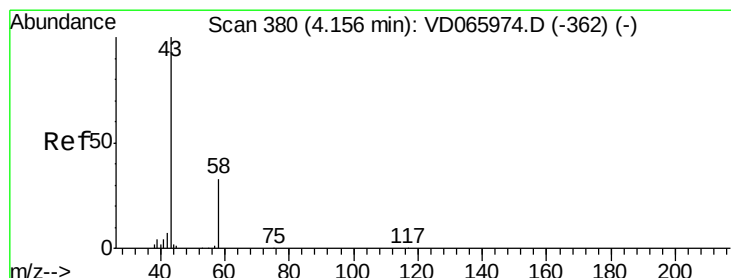
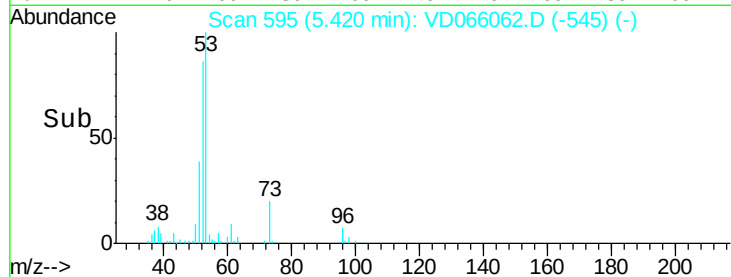
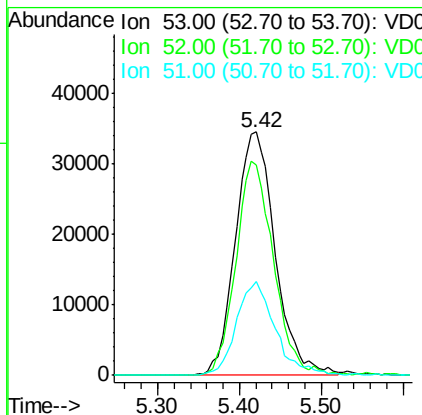
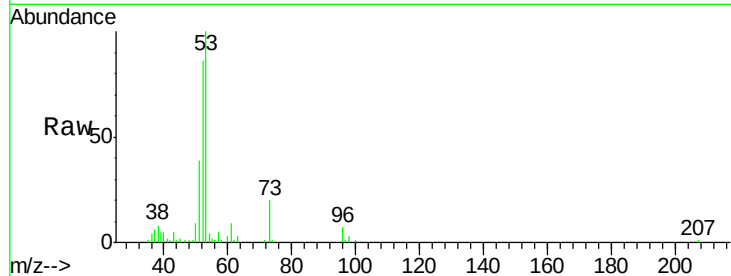
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	116700
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.1	100.7
51	37.5	28.7	43.1

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#16

Acetone

Concen: 302.112 ug/l

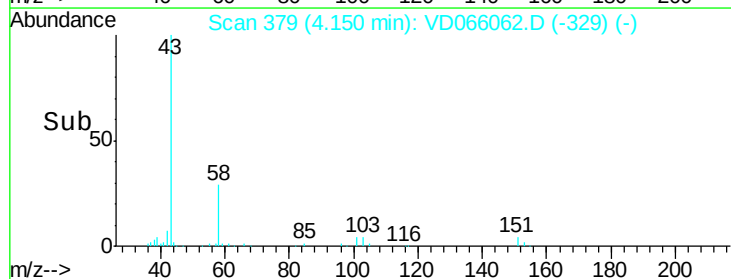
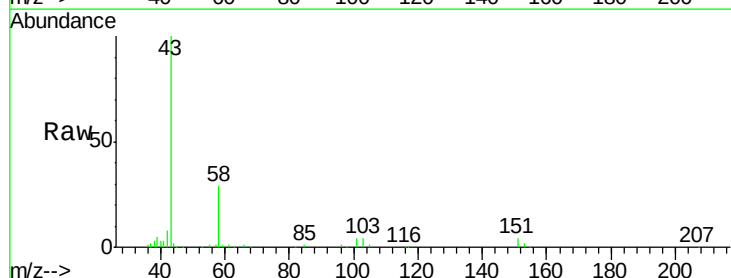
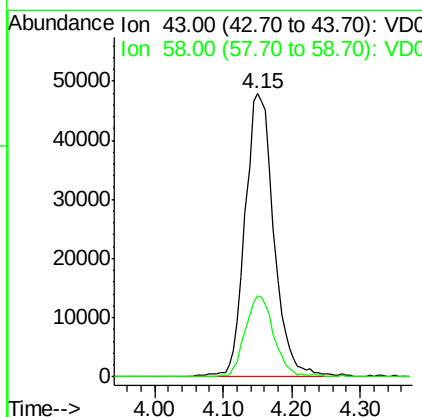
RT: 4.15 min Scan# 379

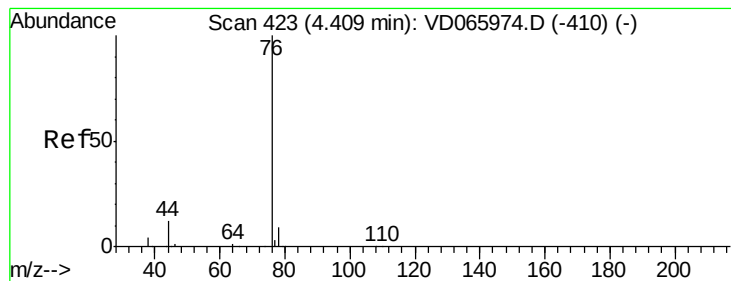
Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion:	43	Resp:	140671
Ion	Ratio	Lower	Upper
43	100		
58	28.8	26.3	39.5





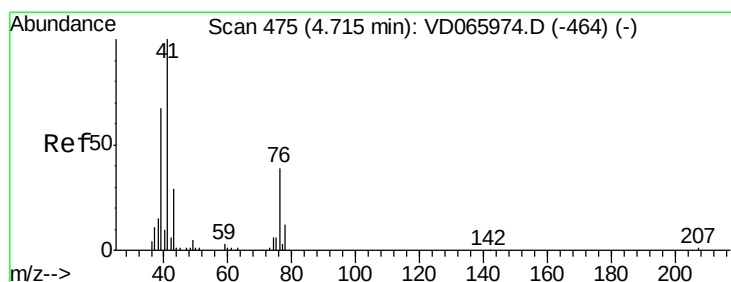
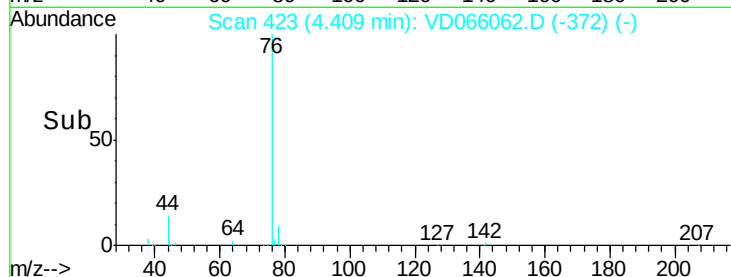
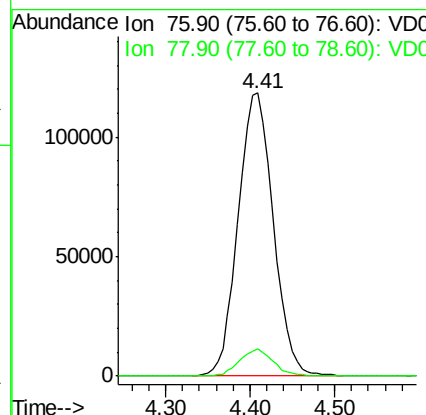
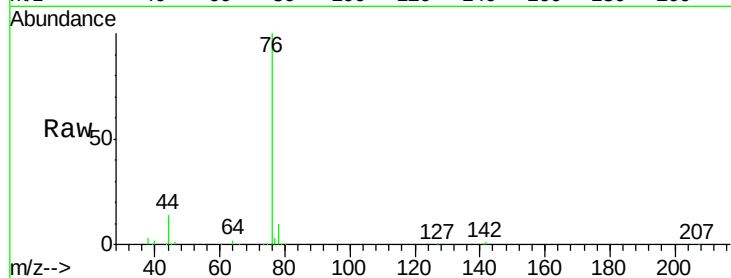
#17
Carbon Disulfide
Concen: 45.137 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

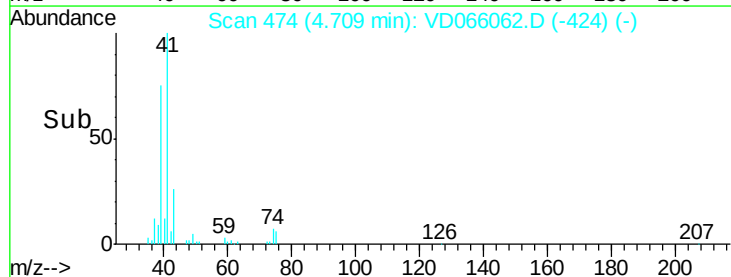
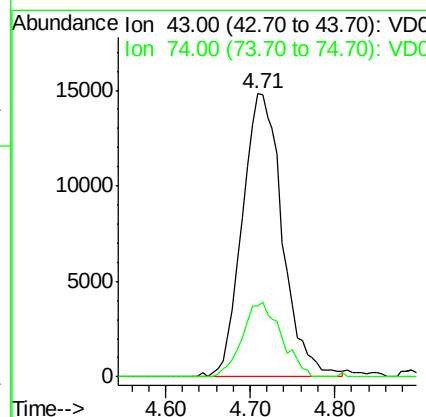
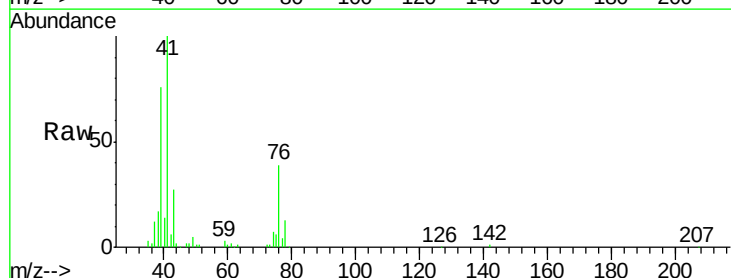
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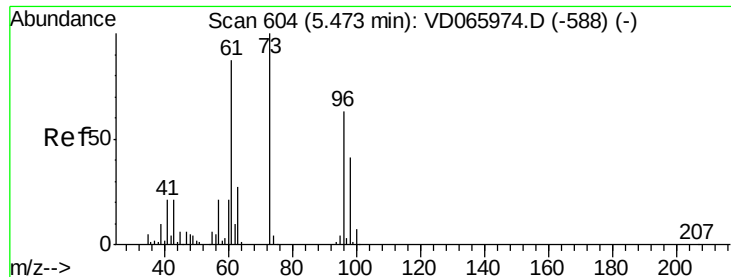
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#18
Methyl Acetate
Concen: 45.079 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8





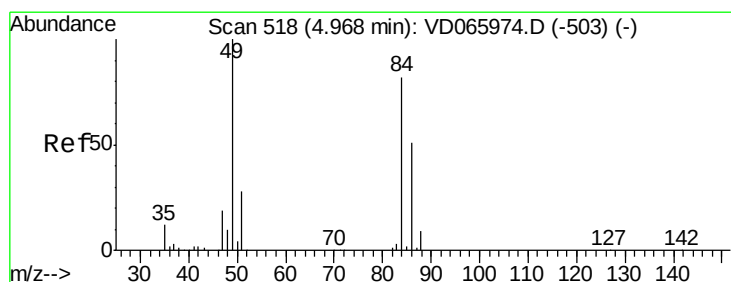
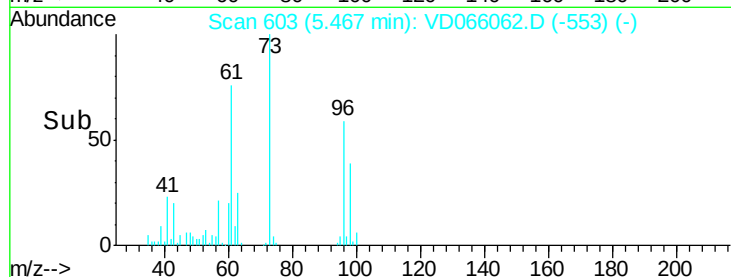
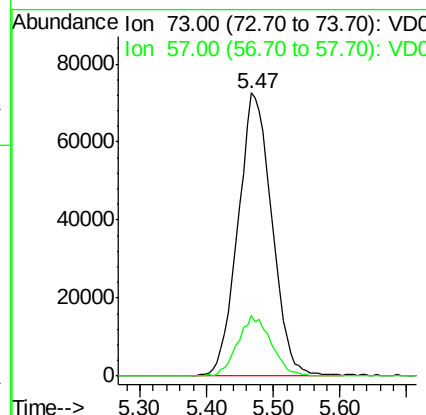
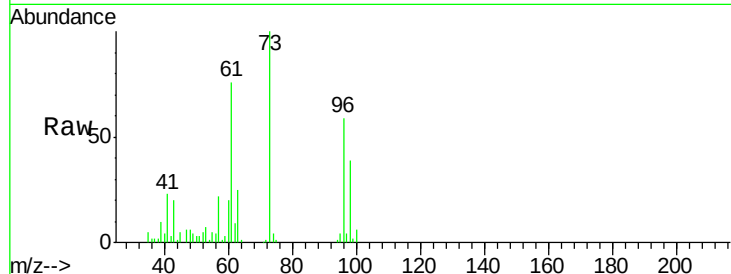
#19
Methyl tert-butyl Ether
Concen: 53.160 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 255303
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.4

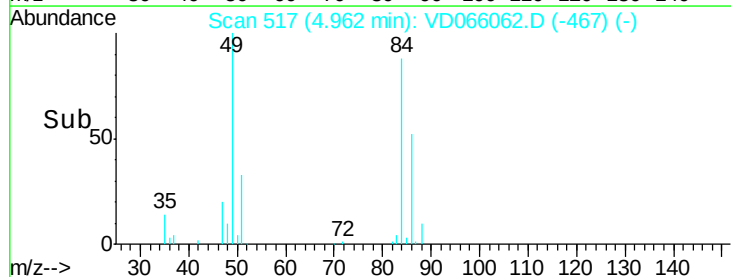
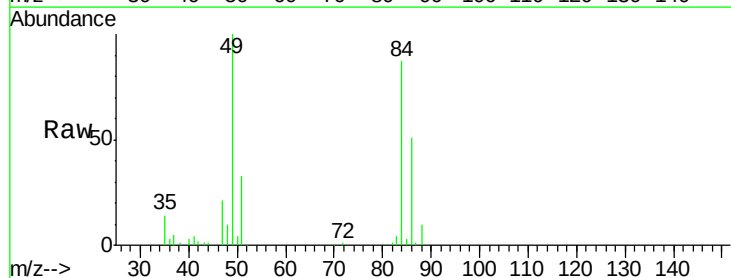
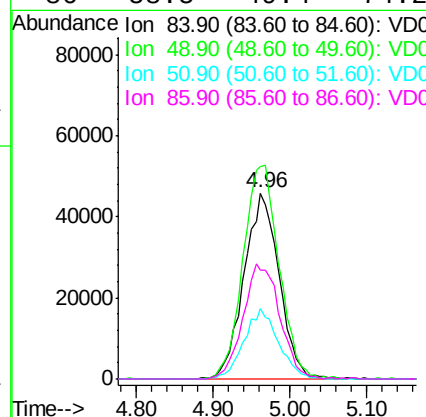
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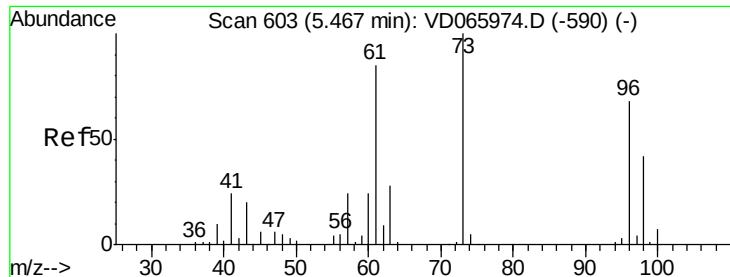
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#20
Methylene Chloride
Concen: 57.265 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion: 84 Resp: 146326
Ion Ratio Lower Upper
84 100
49 114.4 97.7 146.5
51 37.8 27.4 41.2
86 58.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 49.972 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

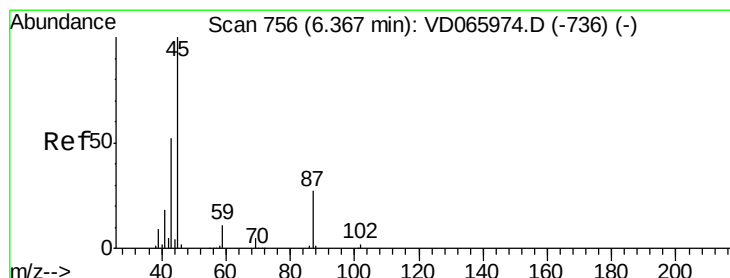
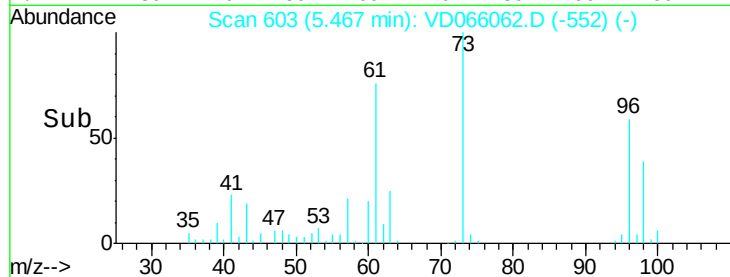
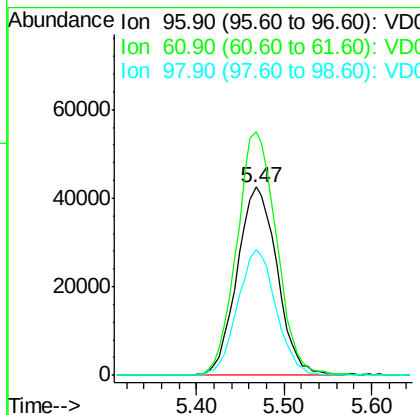
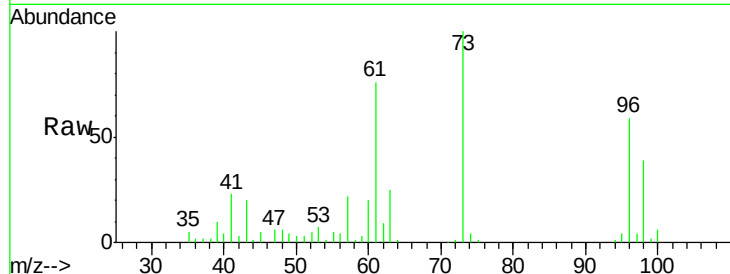
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	132014
Ion	Ratio	Lower	Upper
96	100		
61	129.3	100.5	150.7
98	66.8	49.7	74.5

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#22

Diisopropyl ether

Concen: 48.588 ug/l

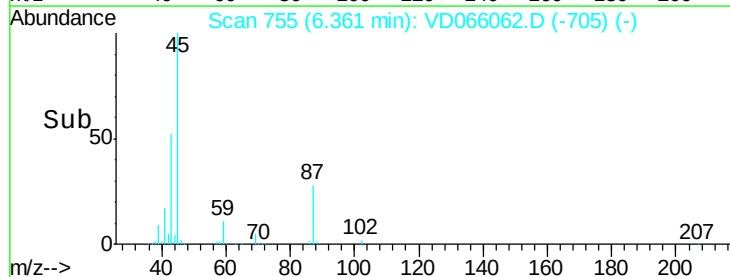
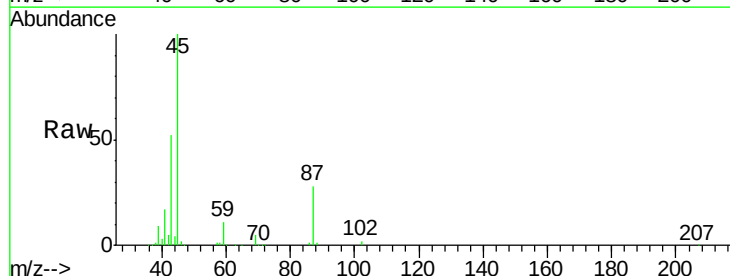
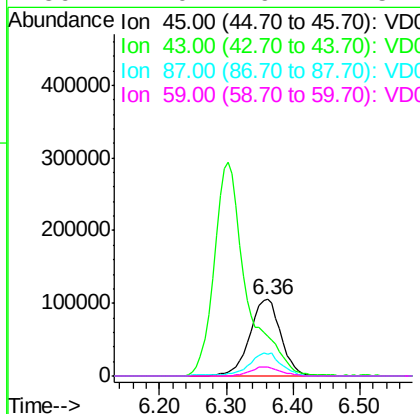
RT: 6.36 min Scan# 755

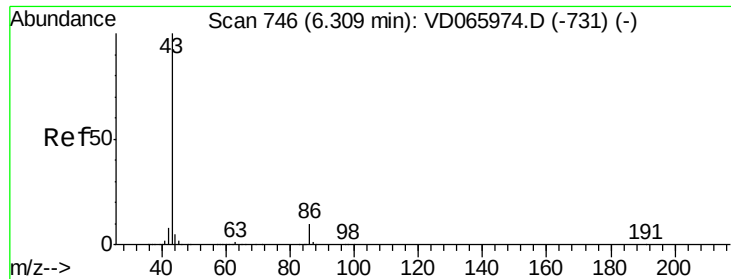
Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion:	45	Resp:	337284
Ion	Ratio	Lower	Upper
45	100		
43	51.5	43.0	64.4
87	27.8	22.0	33.0
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 253.171 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 991136

Ion Ratio Lower Upper

43 100

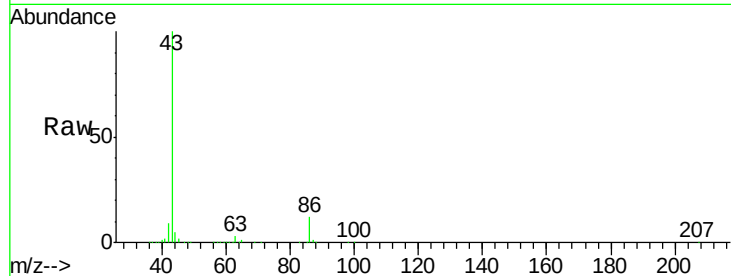
86 12.1 7.9 11.9#

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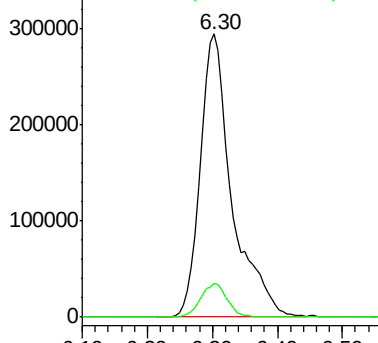
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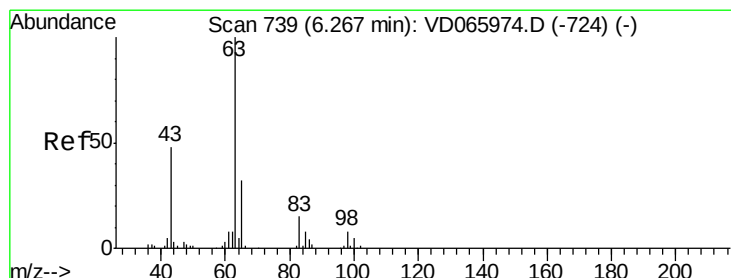
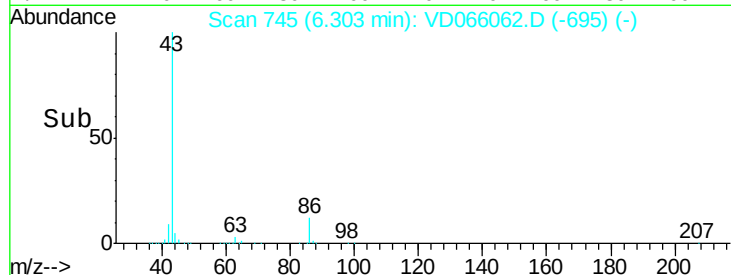


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 49.401 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

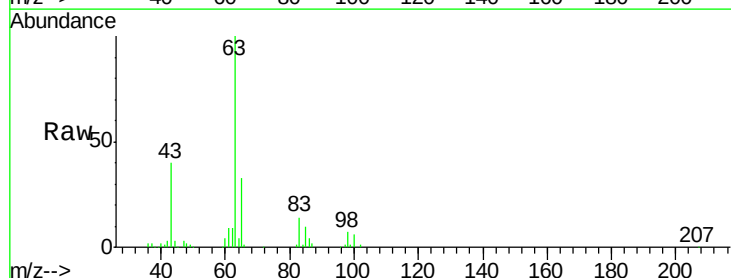
Tgt Ion: 63 Resp: 207783

Ion Ratio Lower Upper

63 100

98 7.1 4.3 12.8

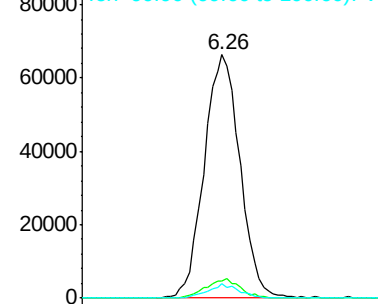
100 5.8 2.5 7.5



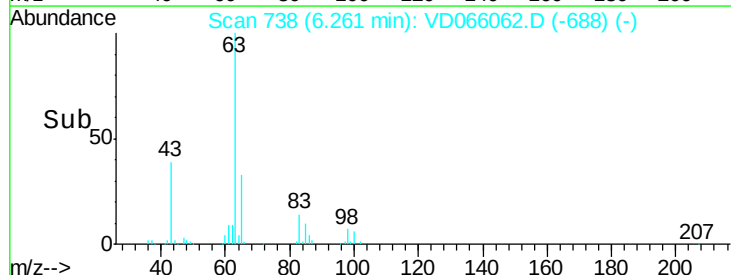
Abundance Ion 62.90 (62.60 to 63.60): VDC

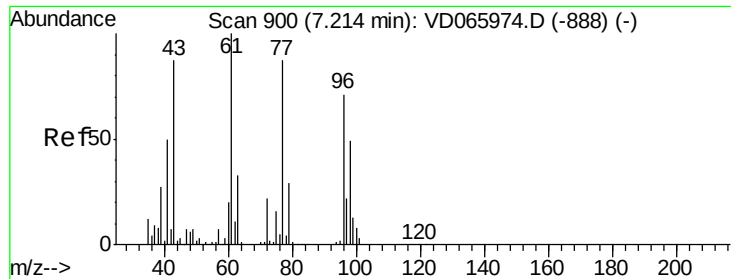
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 244.245 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 150906

Ion Ratio Lower Upper

43 100

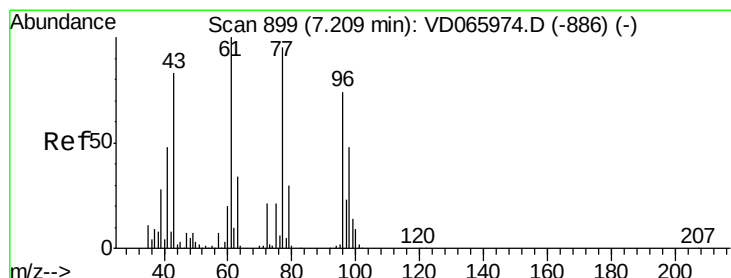
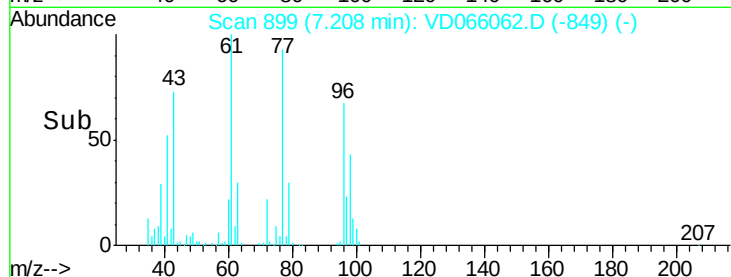
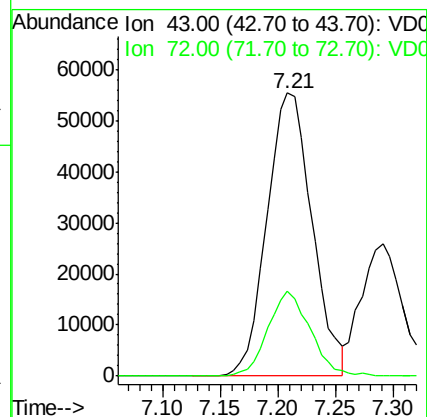
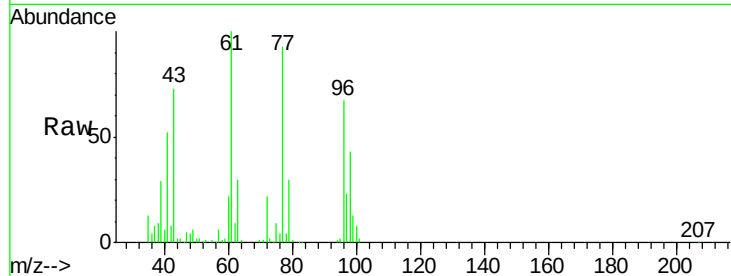
72 29.9 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 53.934 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066062.D

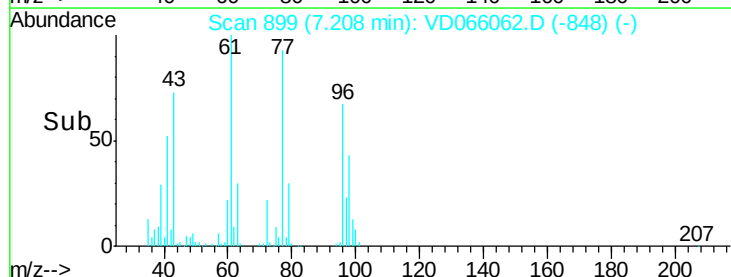
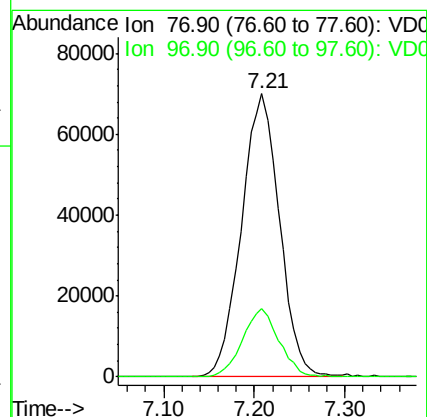
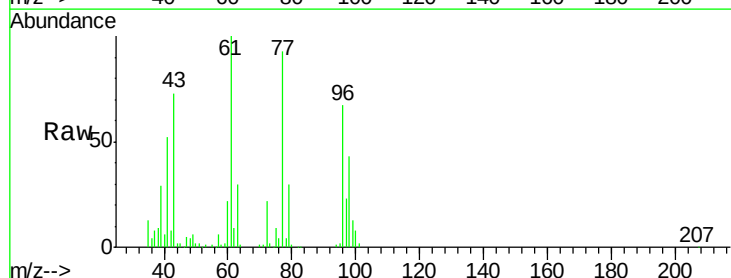
Acq: 27 Jul 2020 11:40

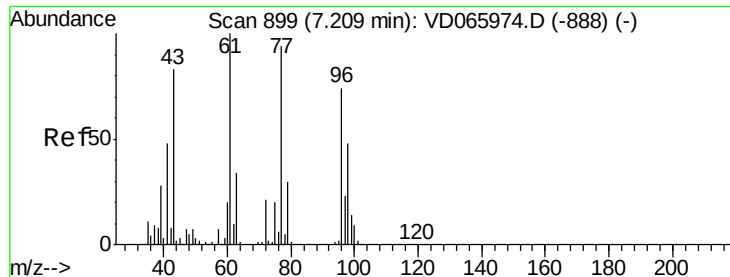
Tgt Ion: 77 Resp: 203996

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7





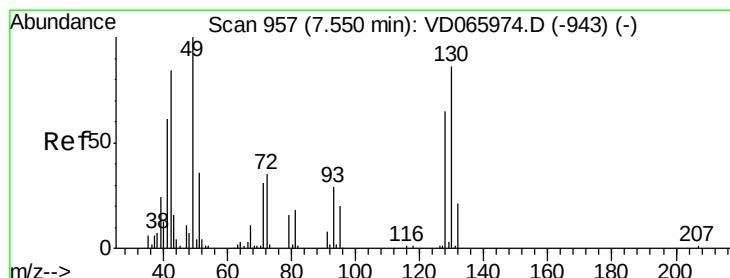
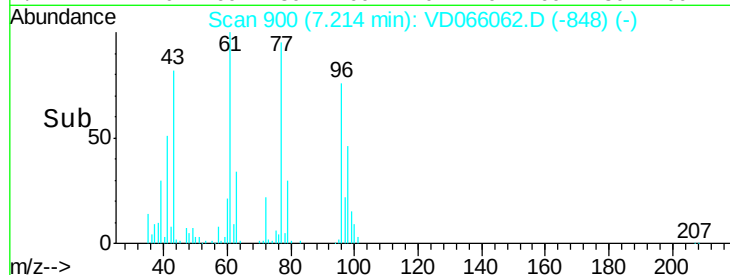
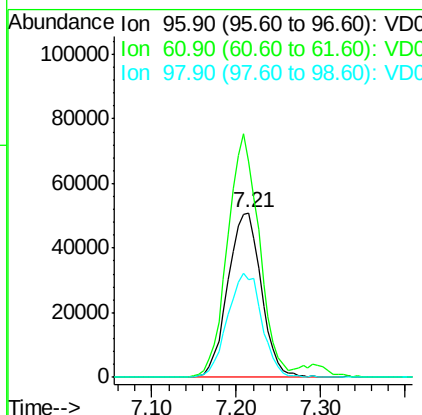
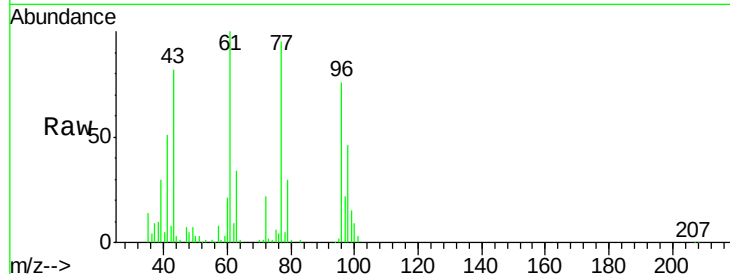
#27
 cis-1,2-Dichloroethene
 Concen: 49.771 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139214		
61	140.0	0.0	276.6	
98	64.9	0.0	130.8	

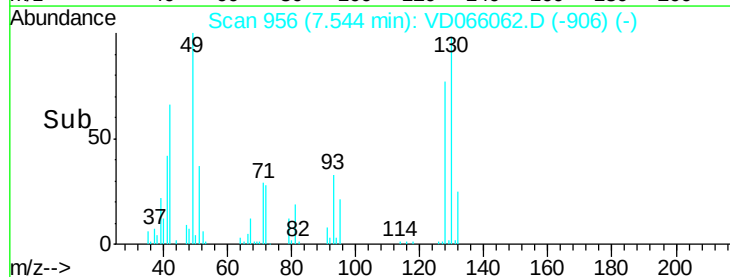
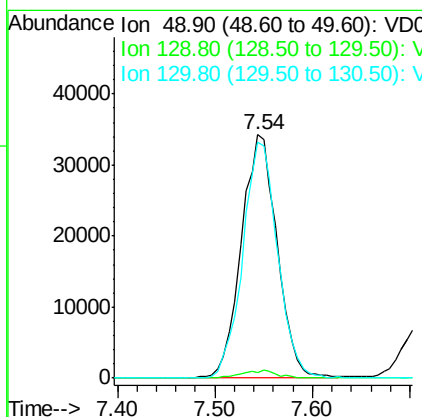
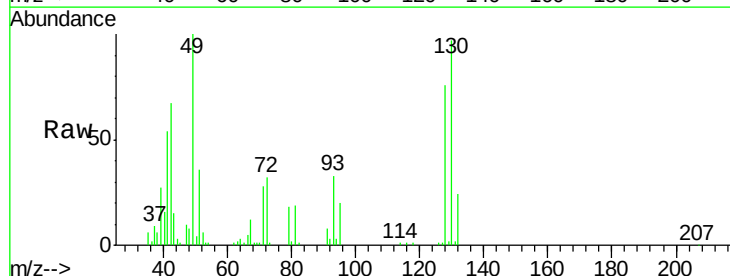
Manual Integrations
 APPROVED

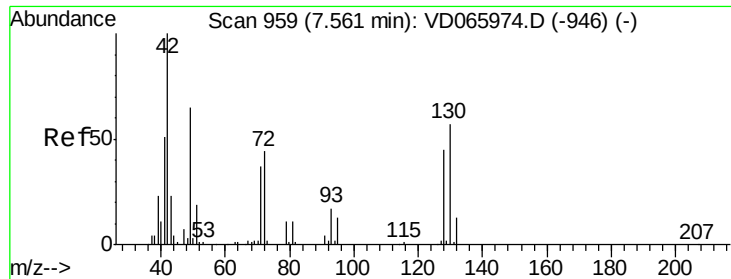
MMDadoda
 7/28/2020 1:44:05 PM



#28
 Bromochloromethane
 Concen: 49.133 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87711		
129	2.9	0.0	4.8	
130	94.1	68.4	102.6	





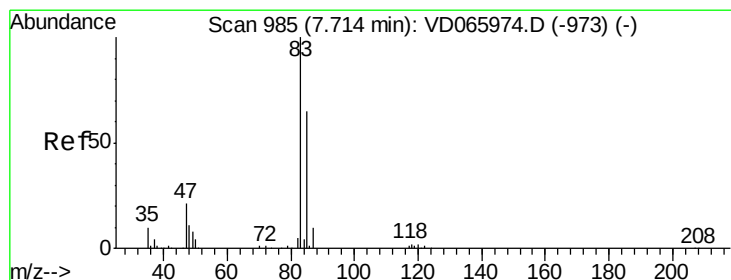
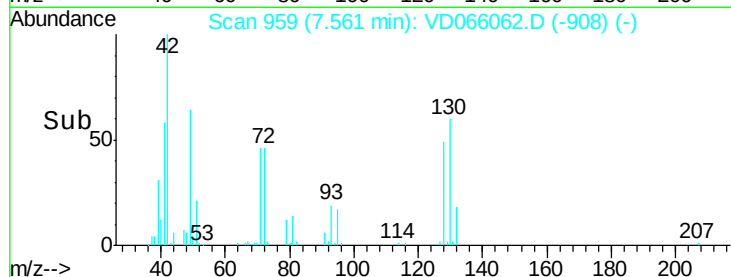
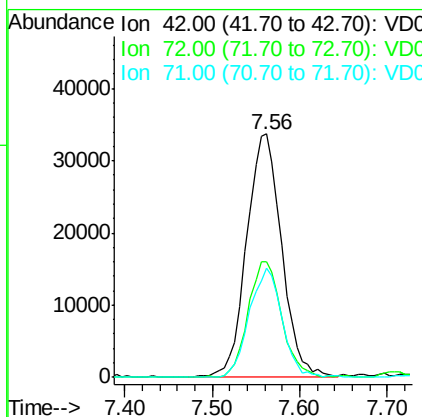
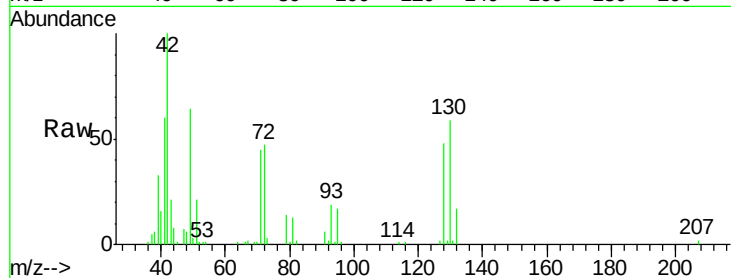
#29
Tetrahydrofuran
Concen: 241.106 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.2	51.2
71	41.6	31.4	47.2

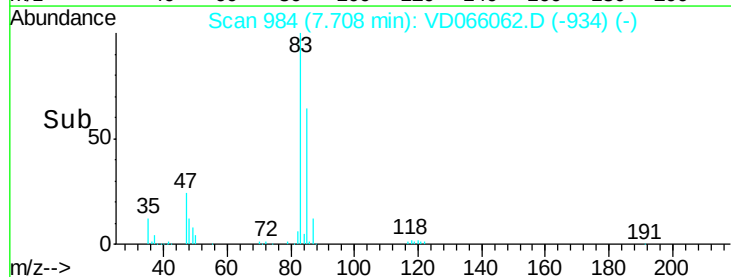
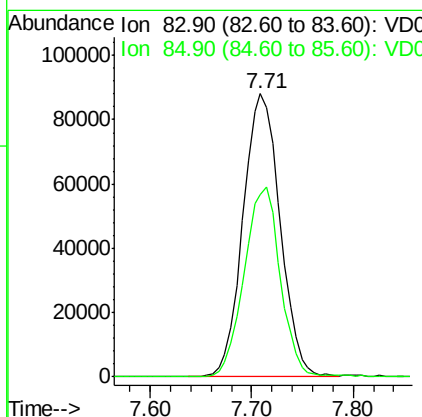
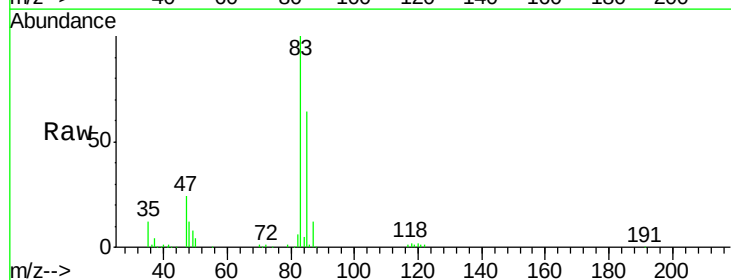
Manual Integrations
APPROVED

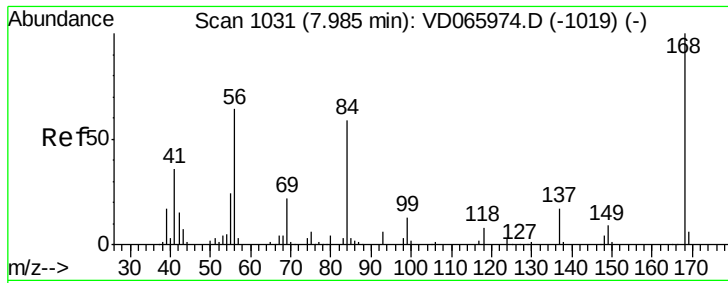
MMDadoda
7/28/2020 1:44:05 PM



#30
Chloroform
Concen: 50.814 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





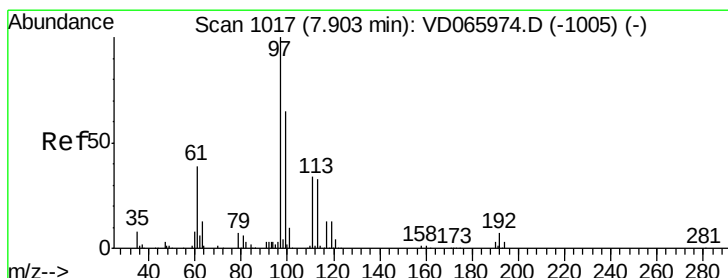
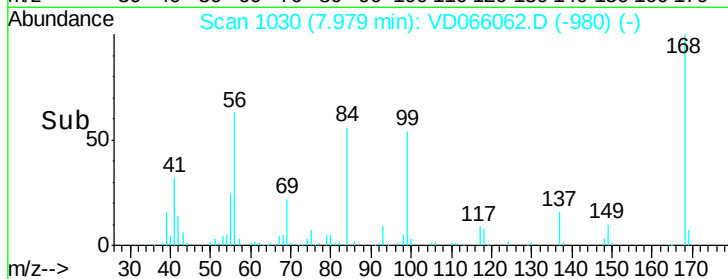
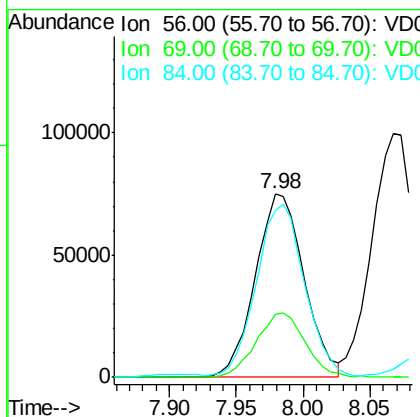
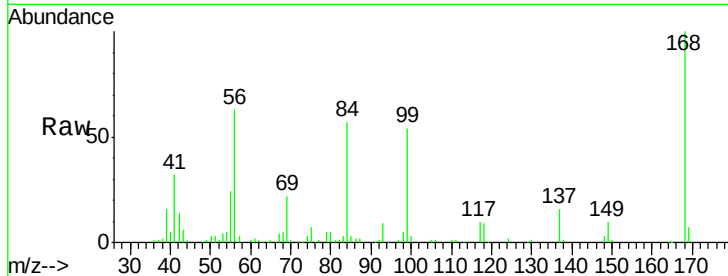
#31
Cyclohexane
Concen: 45.996 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	28.0	42.0
84	89.4	72.6	109.0

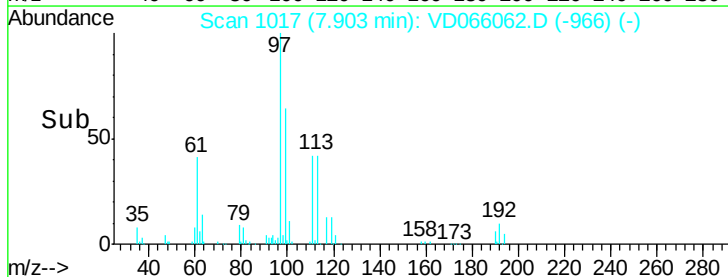
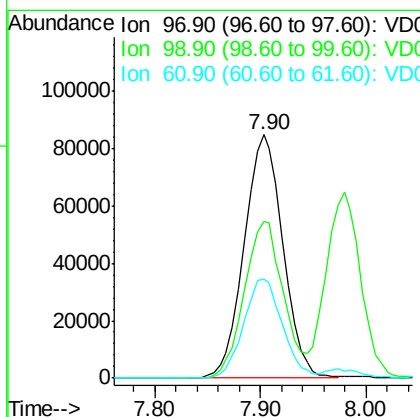
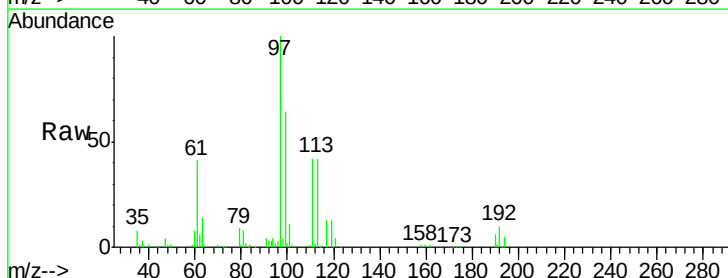
Manual Integrations
APPROVED

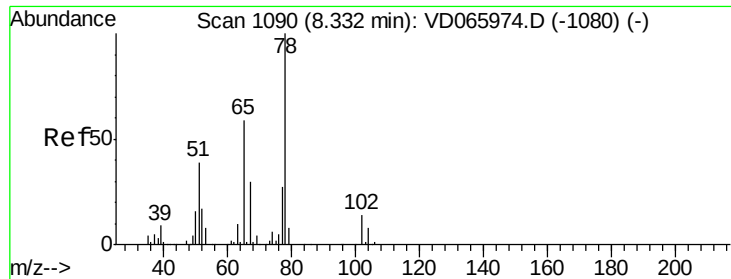
MMDadoda
7/28/2020 1:44:05 PM



#32
1,1,1-Trichloroethane
Concen: 53.156 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.6
61	40.8	33.3	49.9





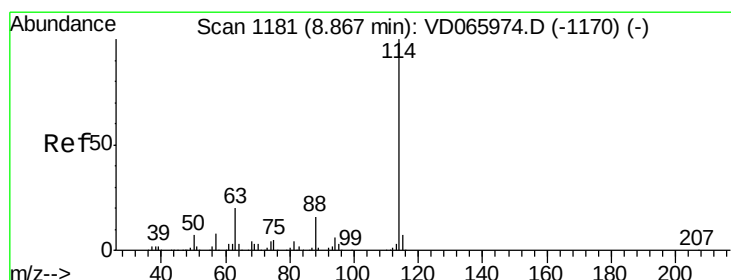
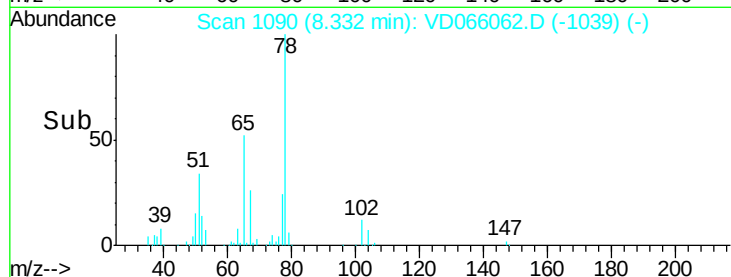
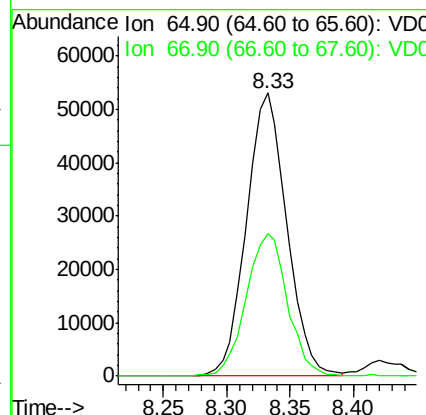
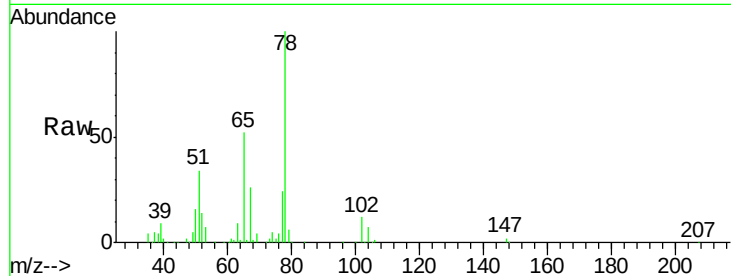
#33
 1,2-Dichloroethane-d4
 Concen: 51.132 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117622		
67	51.4	0.0	105.0	

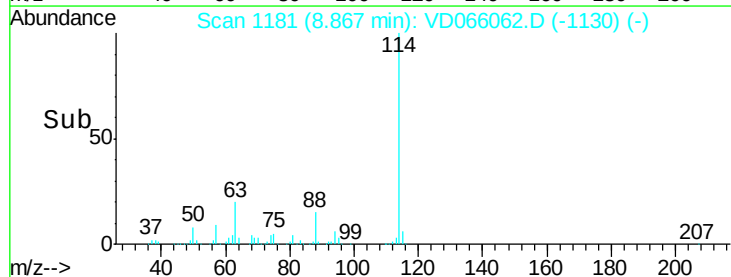
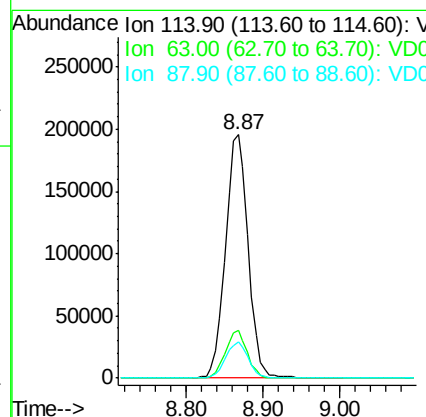
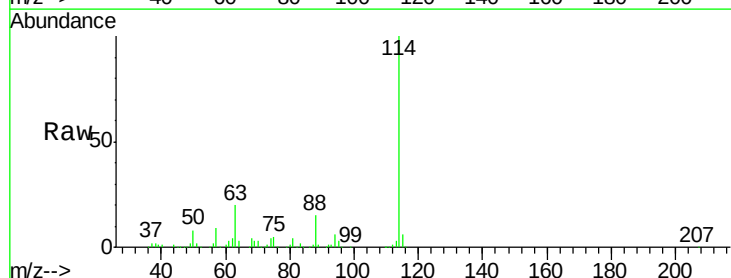
Manual Integrations
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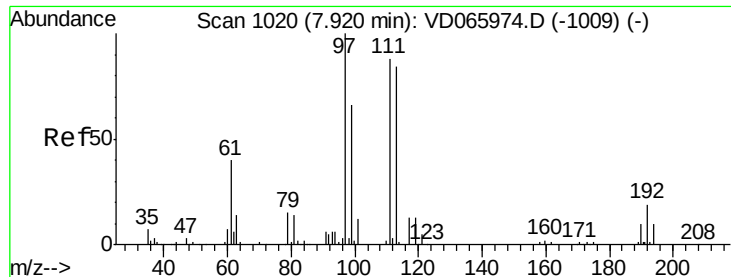
MMDadoda
 7/28/2020 1:44:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397934		
63	19.5	0.0	39.6	
88	14.7	0.0	31.2	





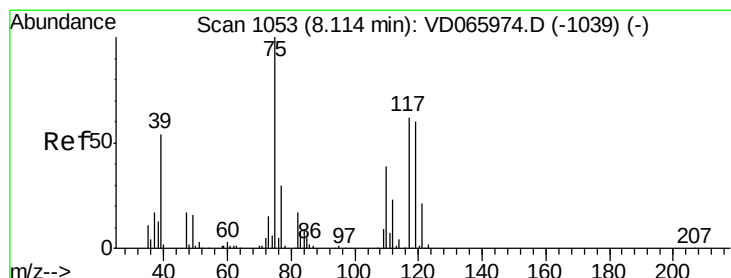
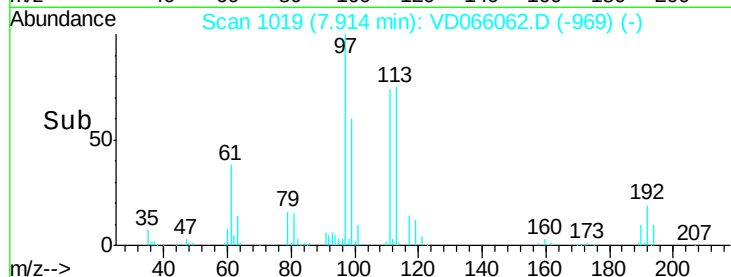
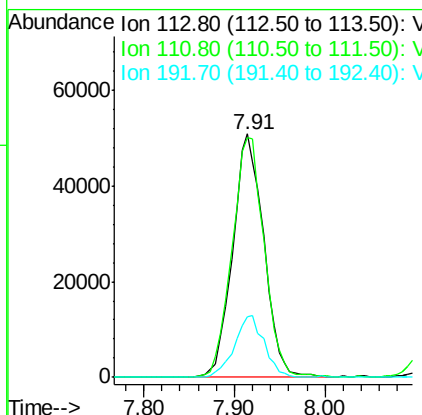
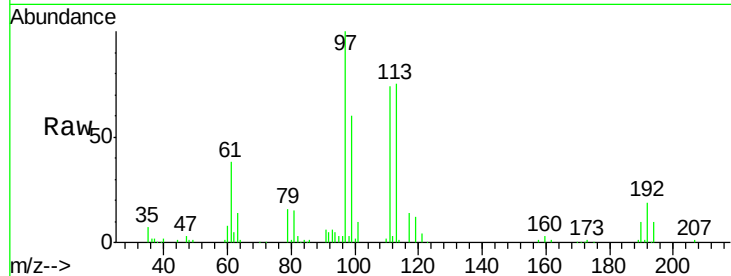
#35
 Dibromofluoromethane
 Concen: 50.217 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121203		
111	102.2	83.2	124.8	
192	24.1	18.7	28.1	

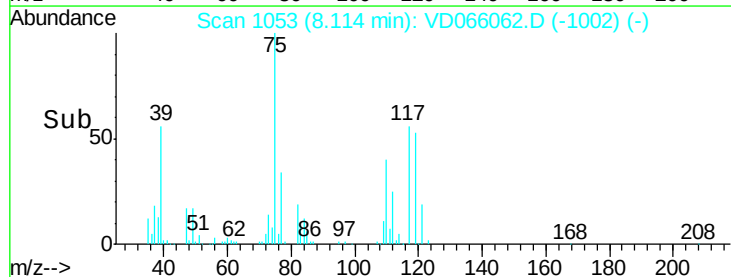
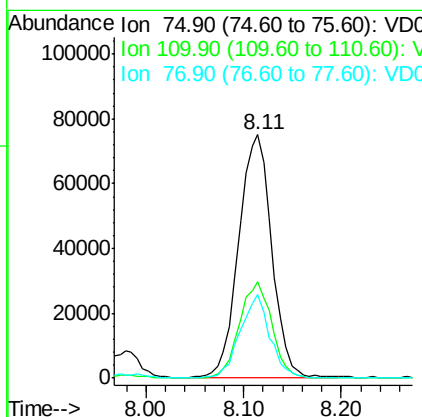
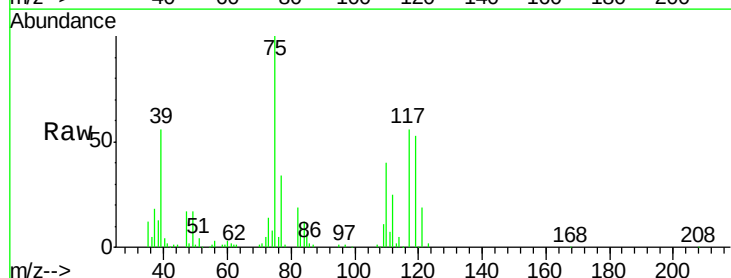
Manual Integrations
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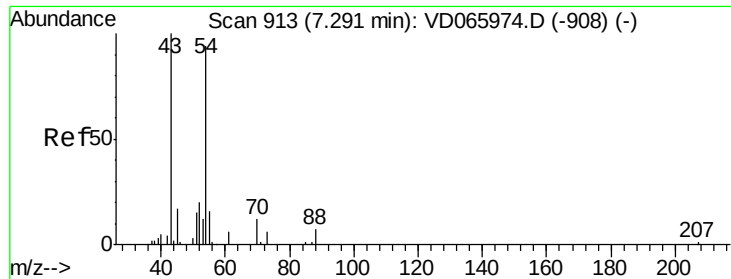
MMDadoda
 7/28/2020 1:44:05 PM



#36
 1,1-Dichloropropene
 Concen: 52.635 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178756		
110	38.7	19.5	58.5	
77	30.9	24.7	37.1	





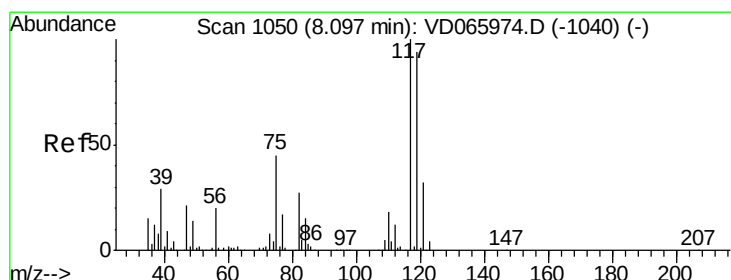
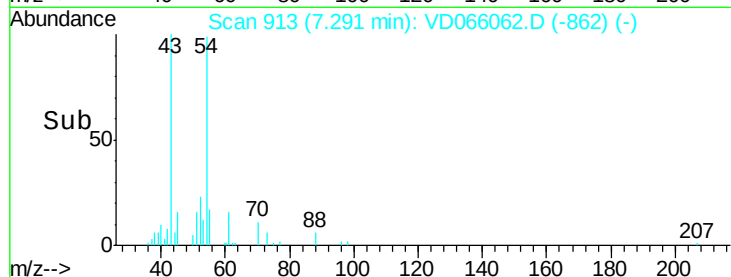
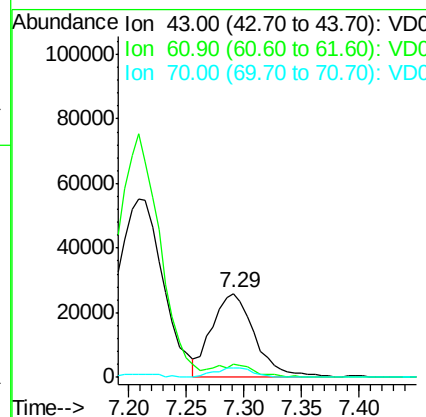
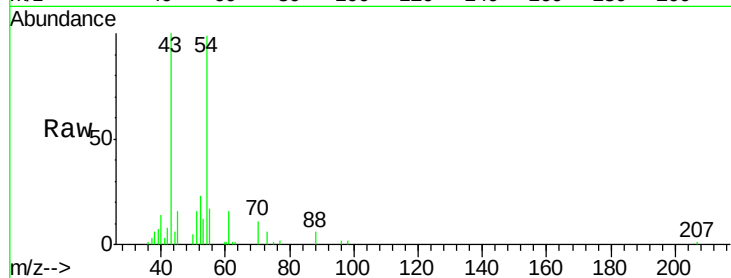
#37
Ethyl Acetate
Concen: 50.887 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.0
70	11.0	9.3	13.9

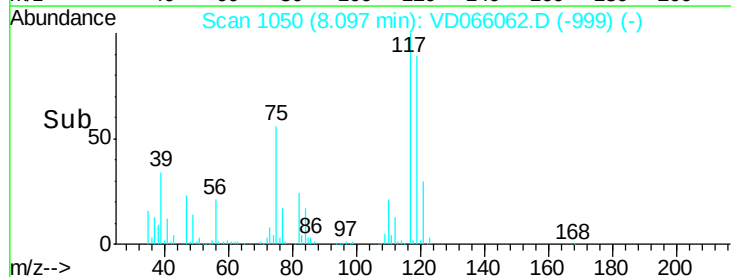
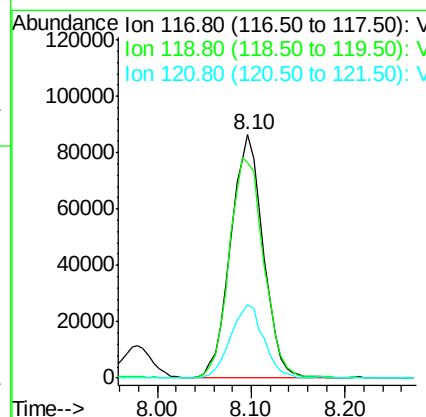
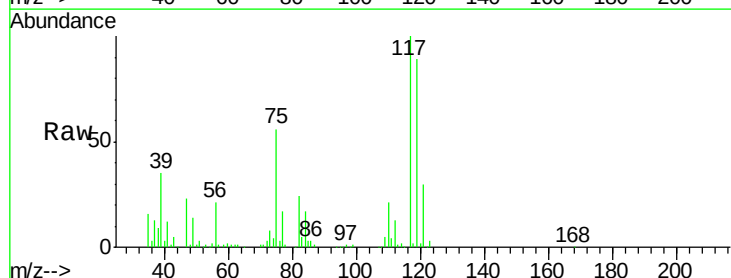
Manual Integrations
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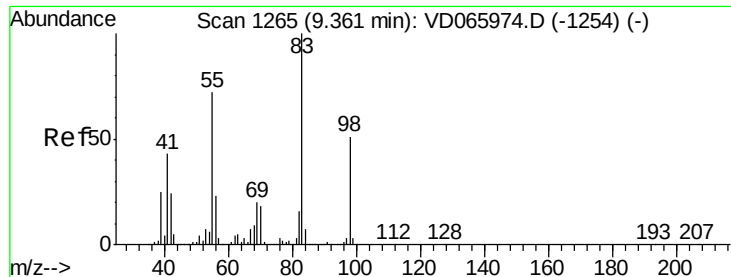
MMDadoda
7/28/2020 1:44:05 PM



#38
Carbon Tetrachloride
Concen: 56.489 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.0	112.6
121	30.0	25.5	38.3





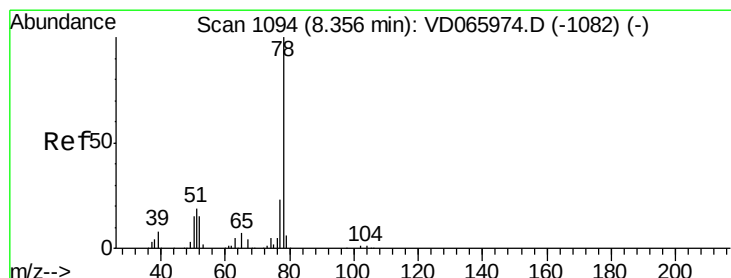
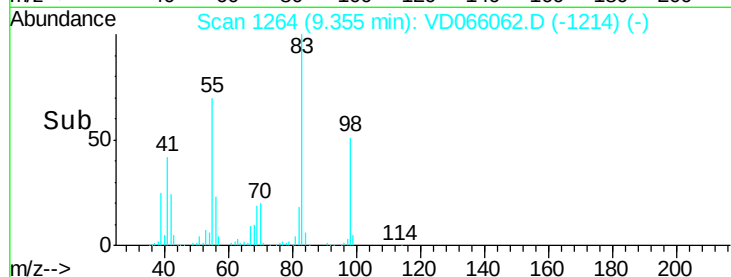
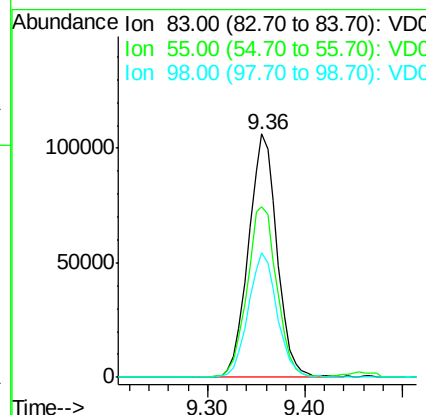
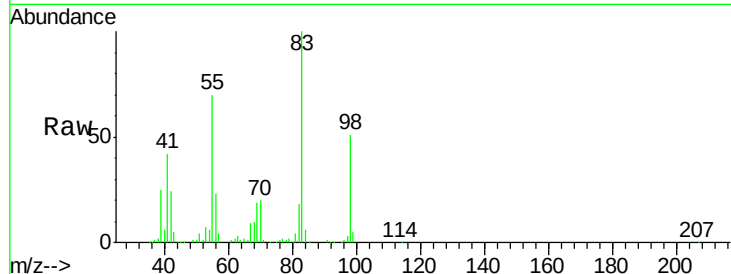
#39
Methylvlcyclohexane
Concen: 53.007 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	218006
Ion Ratio	Lower	Upper	
83	100		
55	70.3	57.3	85.9
98	51.1	41.0	61.6

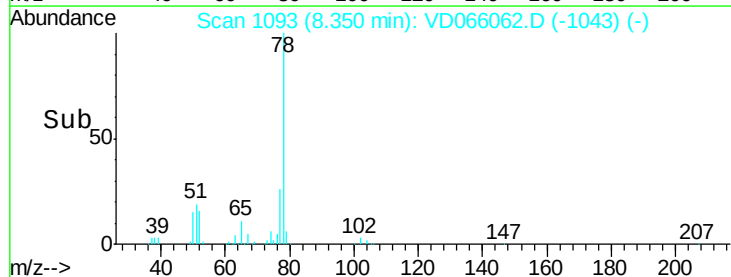
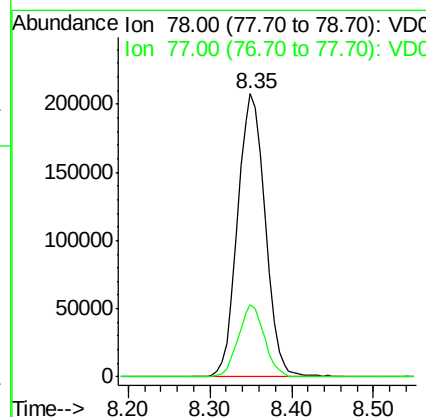
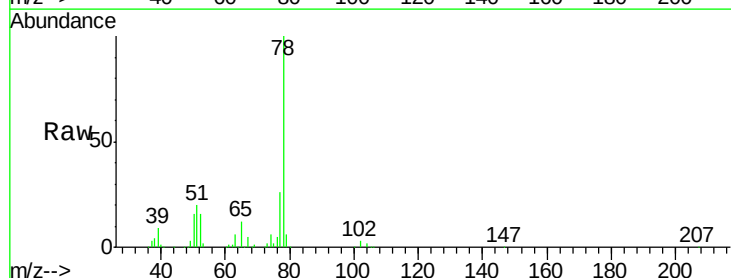
Manual Integrations
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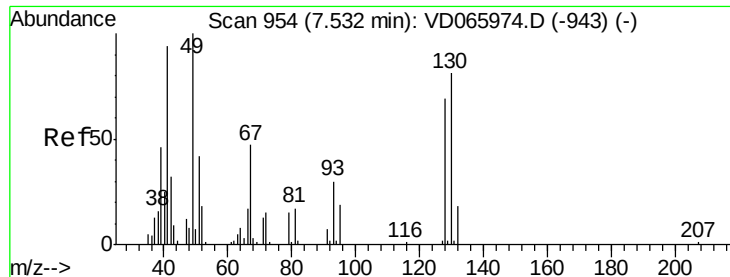
MMDadoda
7/28/2020 1:44:05 PM



#40
Benzene
Concen: 51.452 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	78	Resp	488860
Ion Ratio	Lower	Upper	
78	100		
77	25.5	18.6	27.8





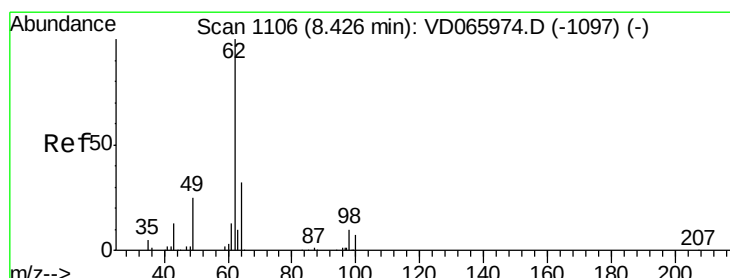
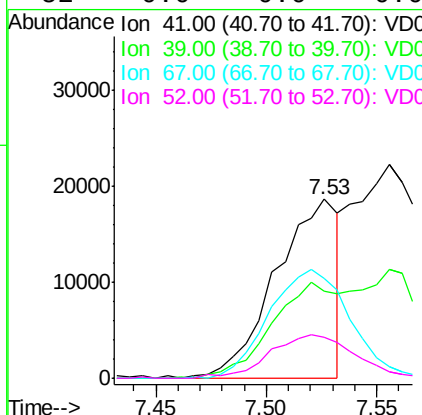
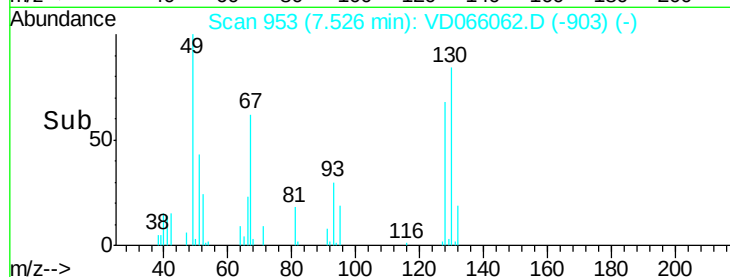
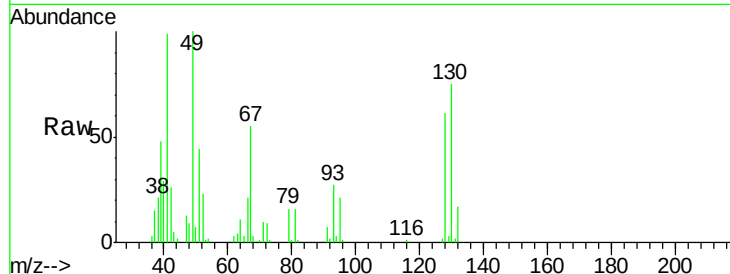
#41
Methacrylonitrile
Concen: 49.856 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	37043
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

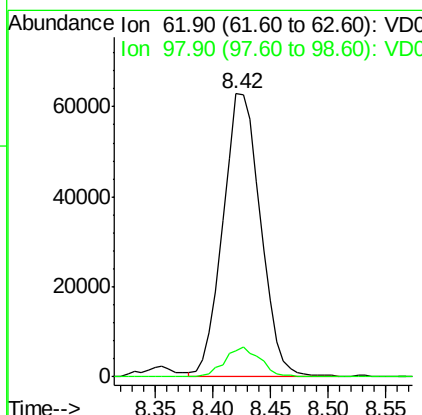
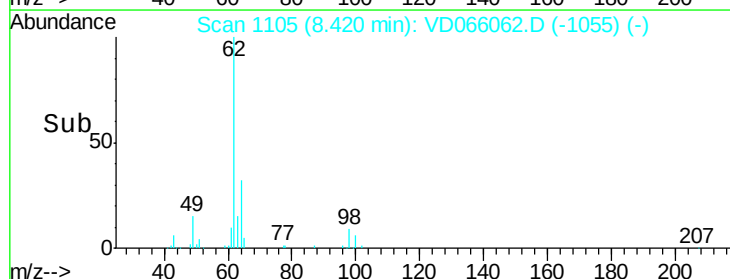
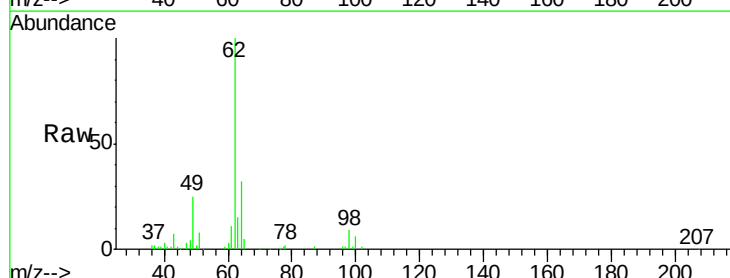
Manual Integrations
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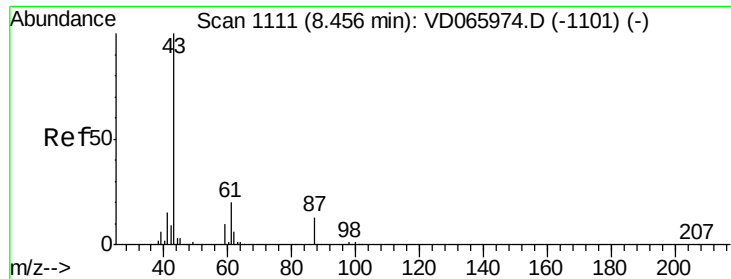
MMDadoda
7/28/2020 1:44:05 PM



#42
1,2-Dichloroethane
Concen: 54.472 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	62	Resp	141823
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.292 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

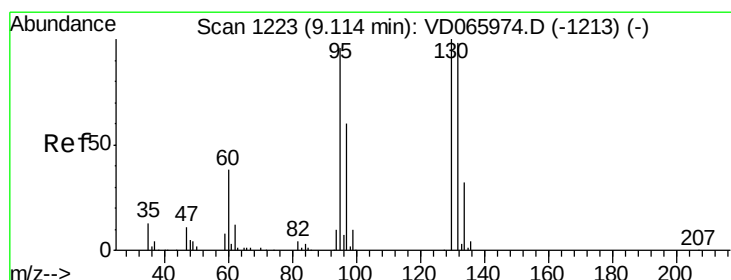
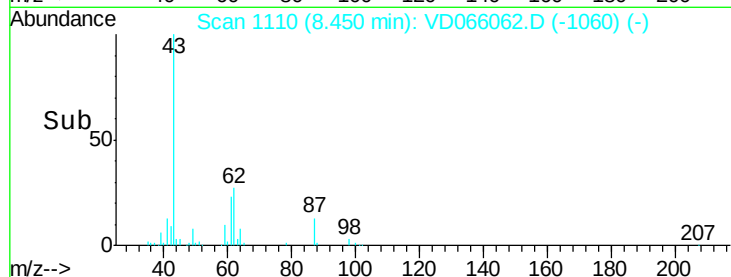
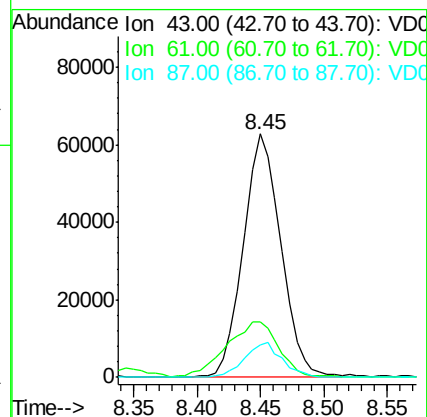
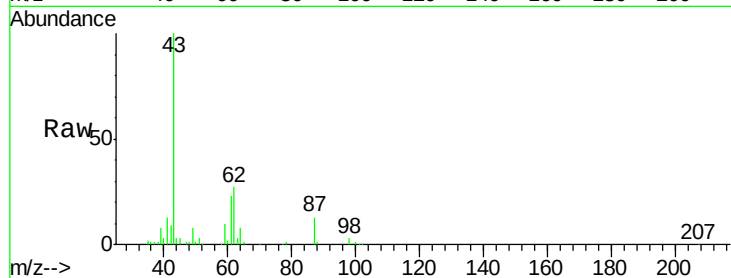
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	129933
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.8	38.8
87	14.2	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 53.364 ug/l

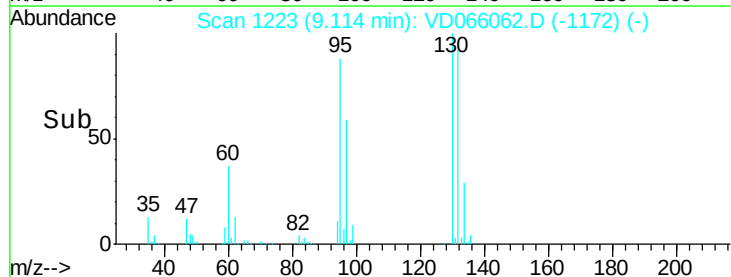
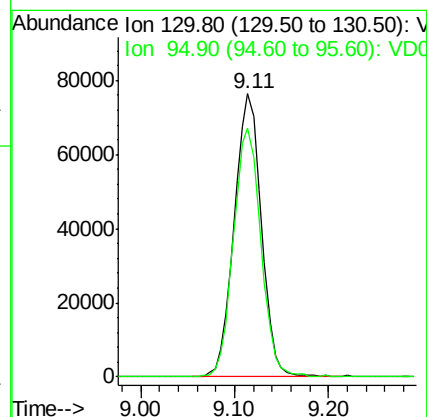
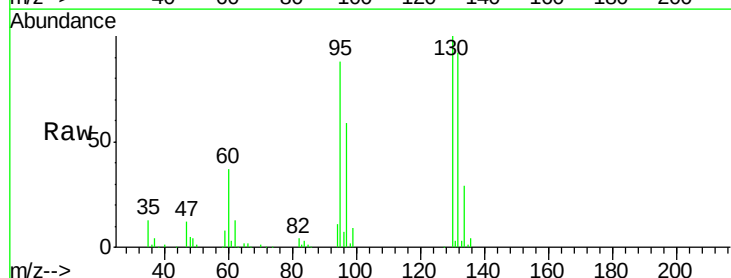
RT: 9.11 min Scan# 1223

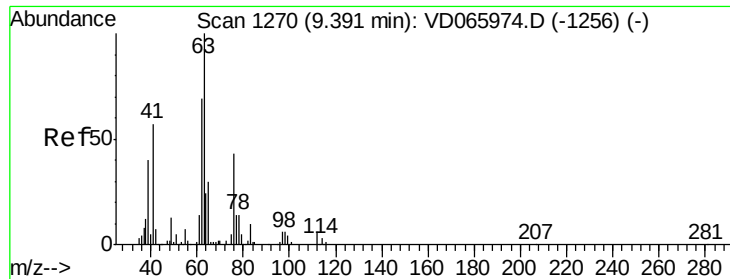
Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion:	130	Resp:	153433
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	191.6





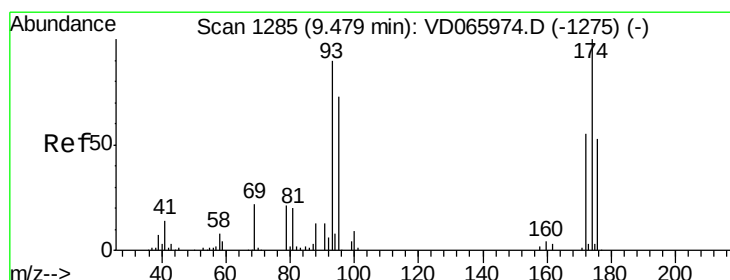
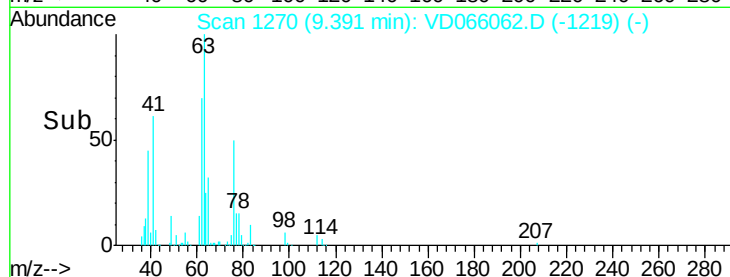
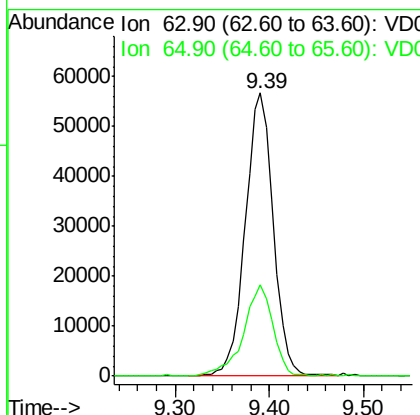
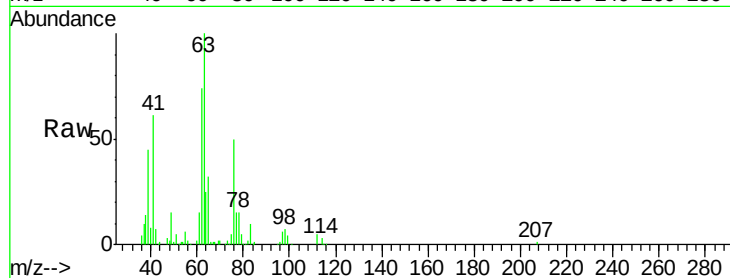
#45
 1,2-Dichloropropane
 Concen: 50.762 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.0	36.0

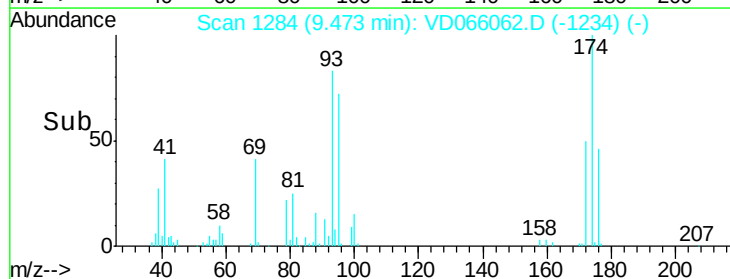
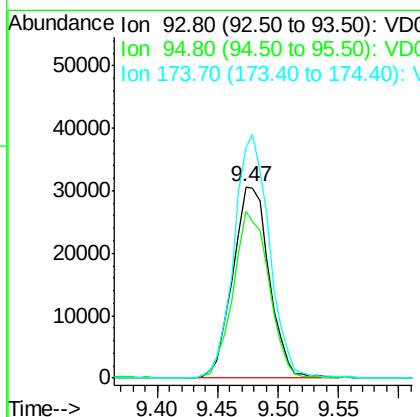
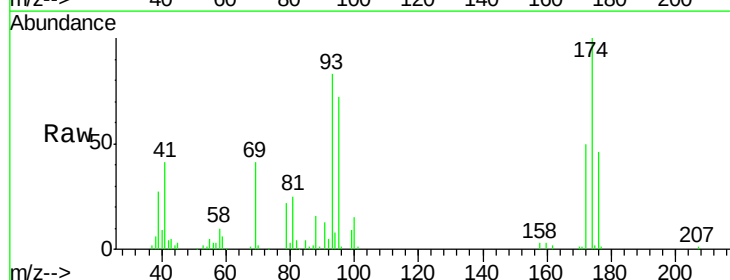
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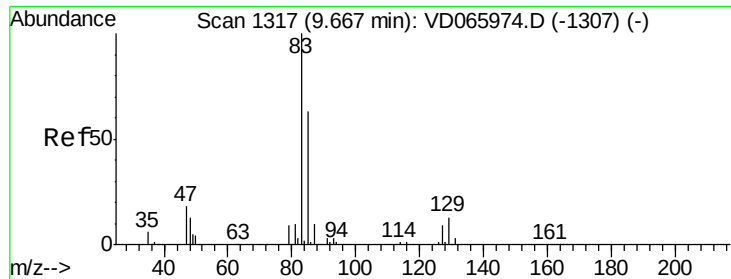
MMDadoda
 7/28/2020 1:44:05 PM



#46
 Dibromomethane
 Concen: 52.073 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.8	66.2	99.4
174	123.8	91.5	137.3





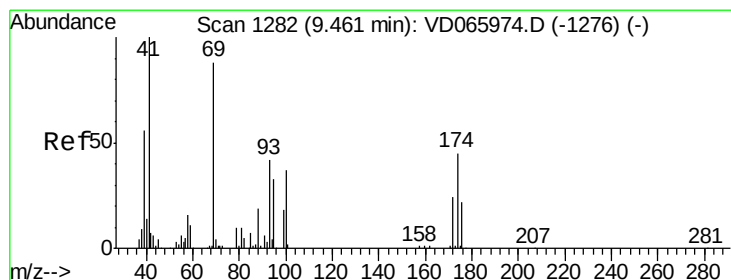
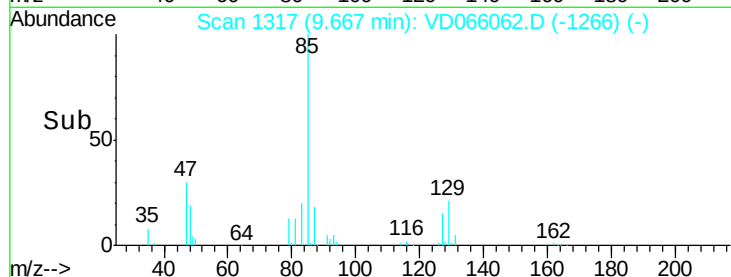
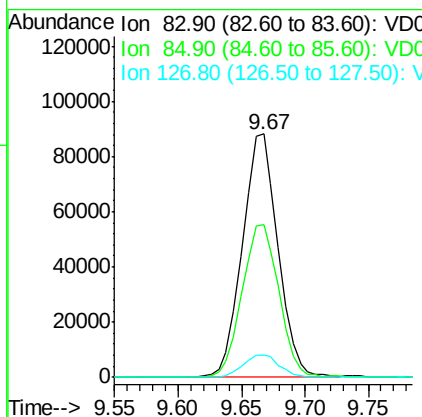
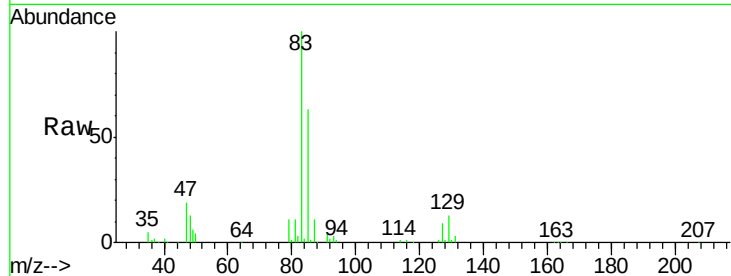
#47
Bromodichloromethane
Concen: 52.635 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.6	75.8
127	9.3	7.1	10.7

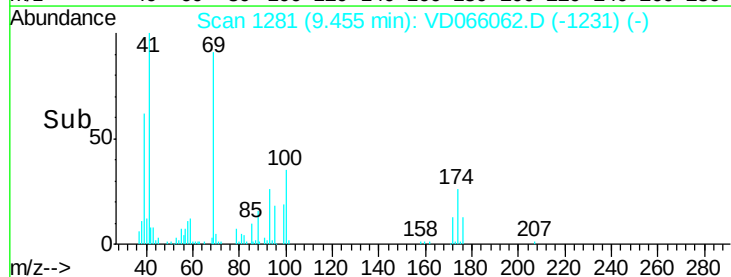
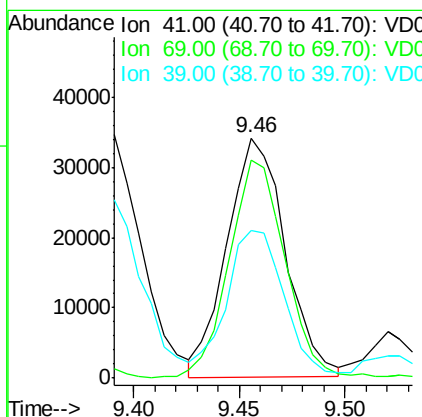
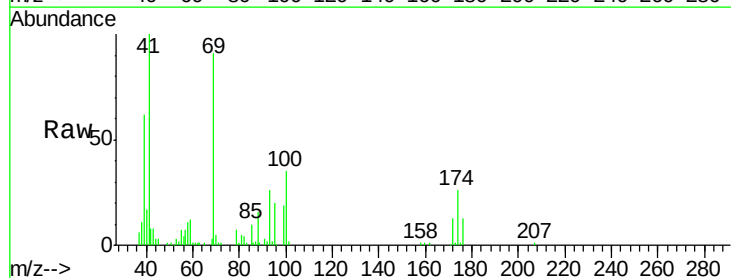
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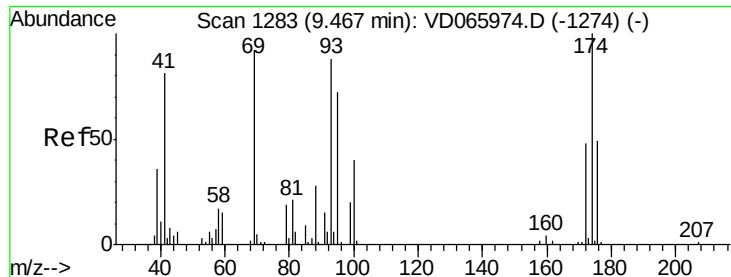
MMDadoda
7/28/2020 1:44:05 PM



#48
Methyl methacrylate
Concen: 50.894 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.4	65.1	97.7
39	57.1	41.5	62.3





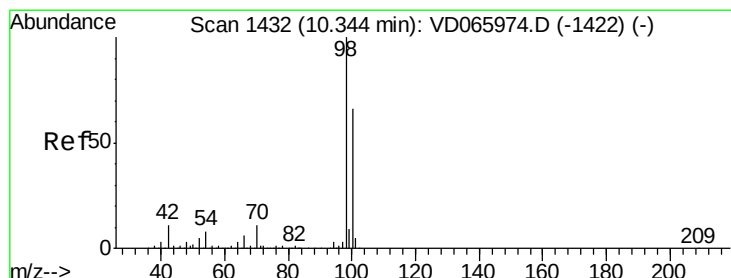
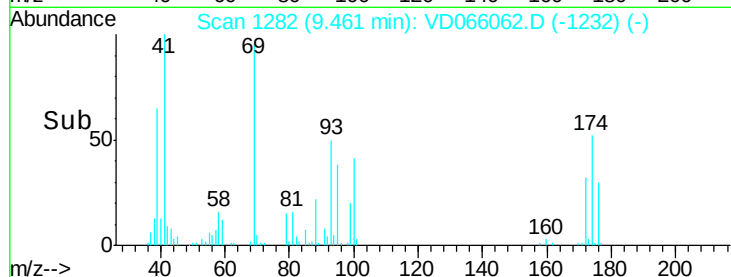
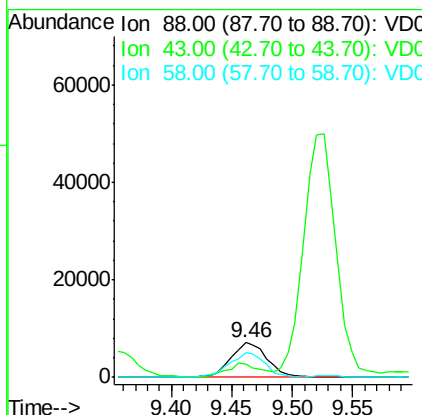
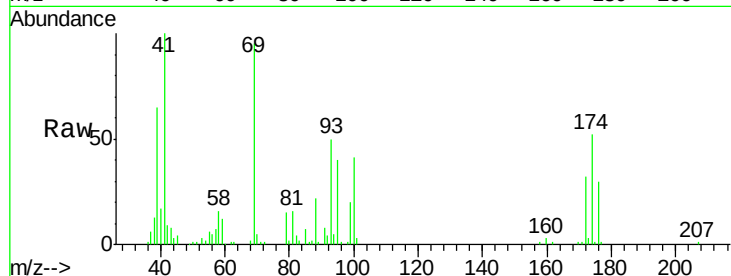
#49
1,4-Dioxane
Concen: 1028.852 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	14766
Ion Ratio	Lower	Upper	
88	100		
43	38.5	29.0	43.6
58	69.5	57.0	85.4

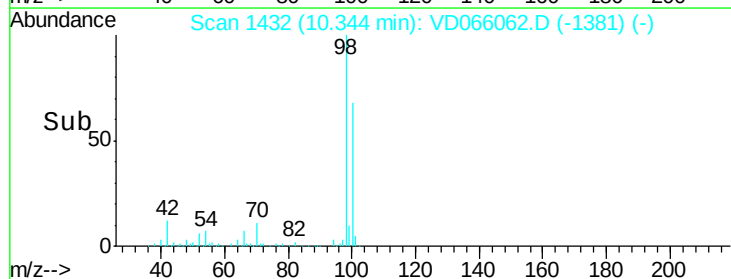
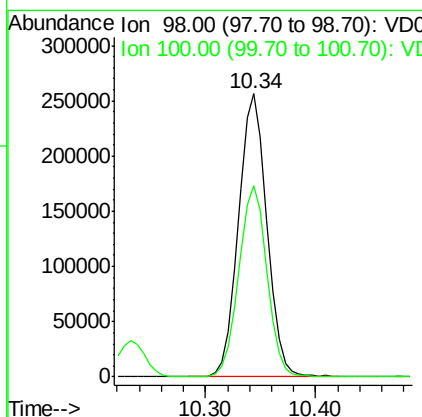
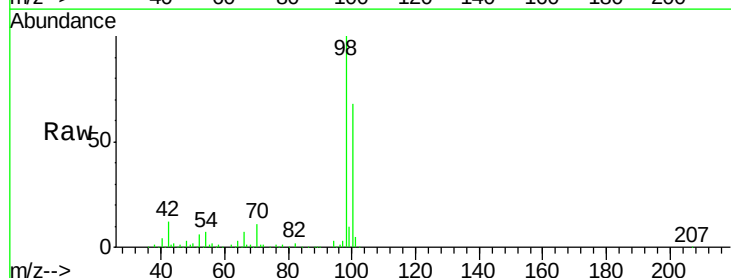
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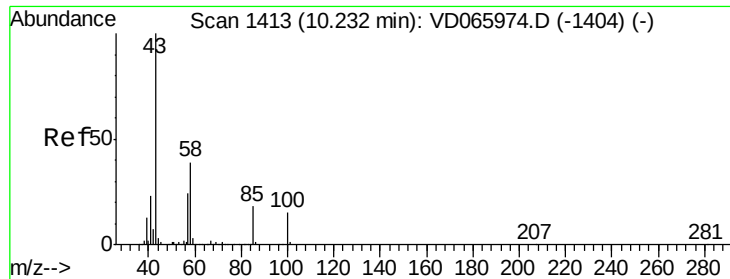
MMDadoda
7/28/2020 1:44:05 PM



#50
Toluene-d8
Concen: 51.580 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	98	Resp	463773
Ion Ratio	Lower	Upper	
98	100		
100	67.4	52.7	79.1





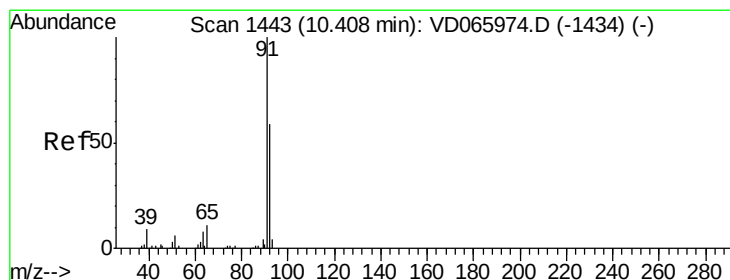
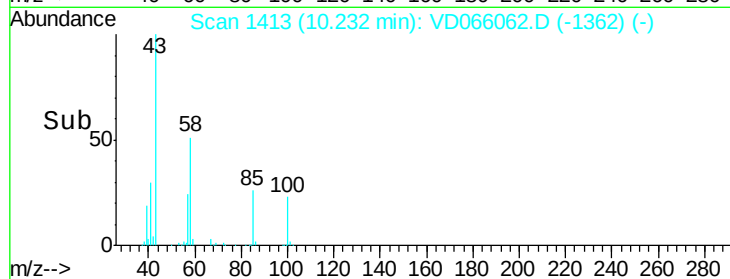
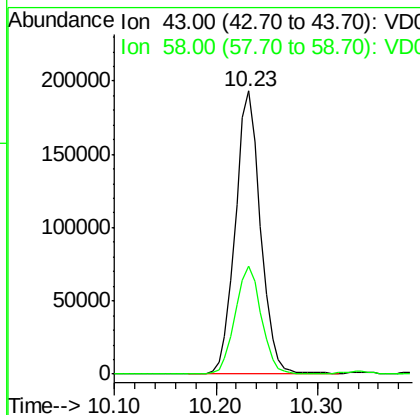
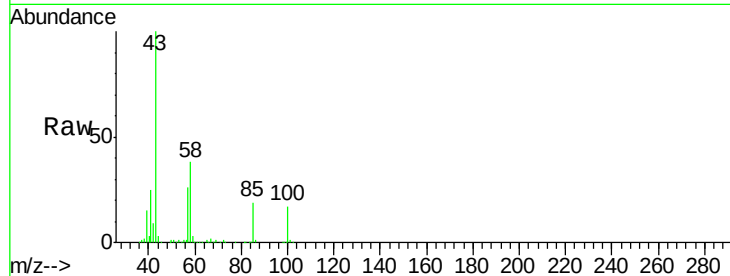
#51
4-Methyl-2-Pentanone
Concen: 261.681 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.3	46.9

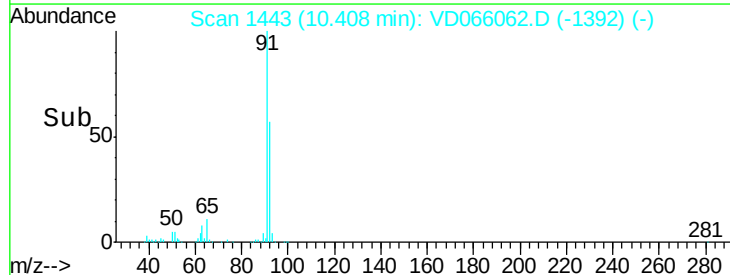
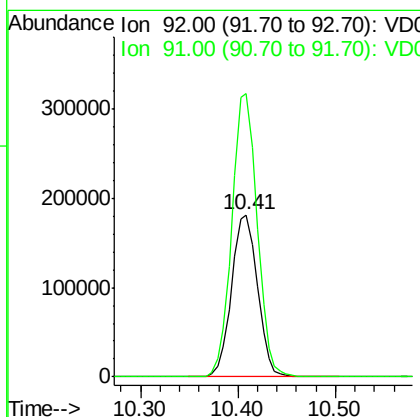
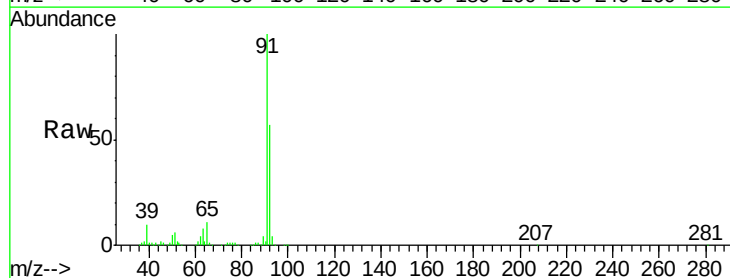
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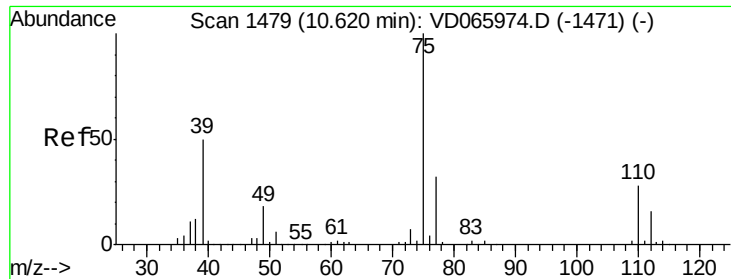
MMDadoda
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#52
Toluene
Concen: 54.398 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	134.5	201.7





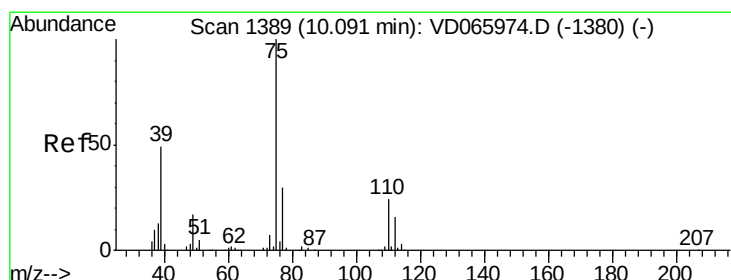
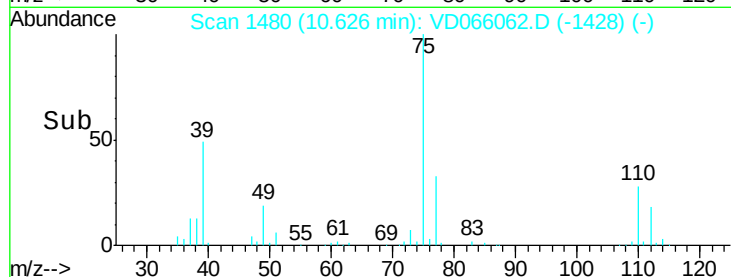
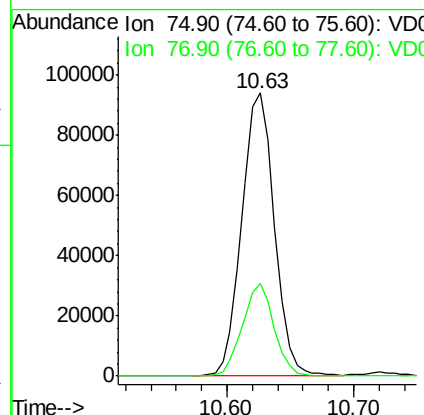
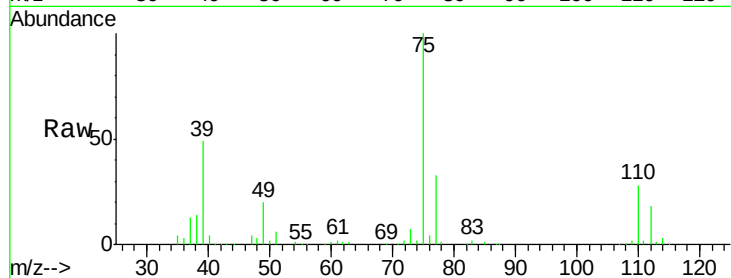
#53
t-1,3-Dichloropropene
Concen: 54.971 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 167747
Ion Ratio Lower Upper
75 100
77 32.8 25.8 38.6

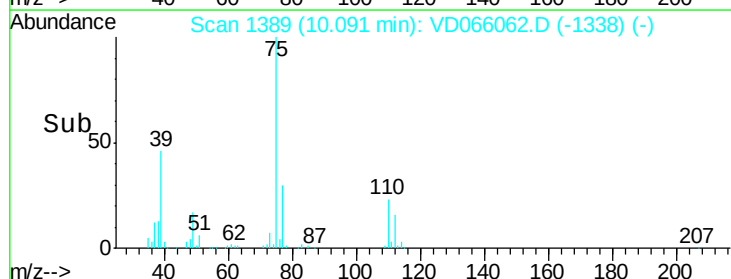
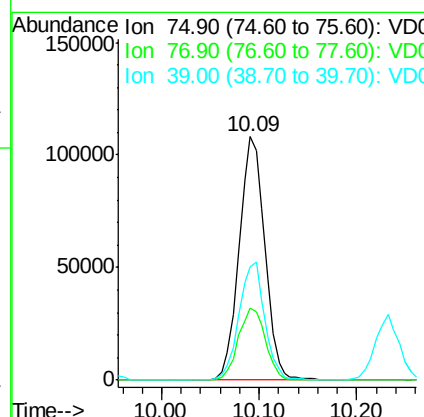
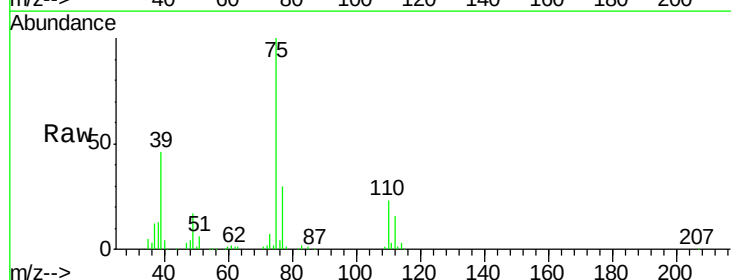
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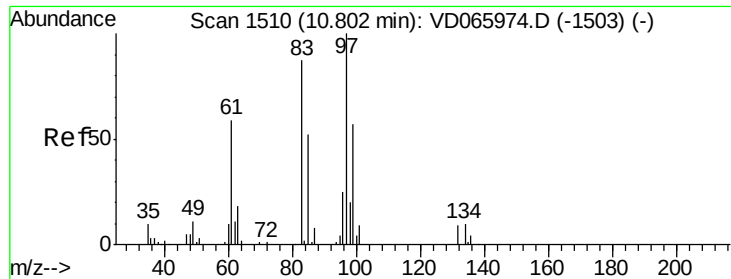
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#54
cis-1,3-Dichloropropene
Concen: 53.470 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion: 75 Resp: 197790
Ion Ratio Lower Upper
75 100
77 29.7 23.8 35.8
39 46.2 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 53.229 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

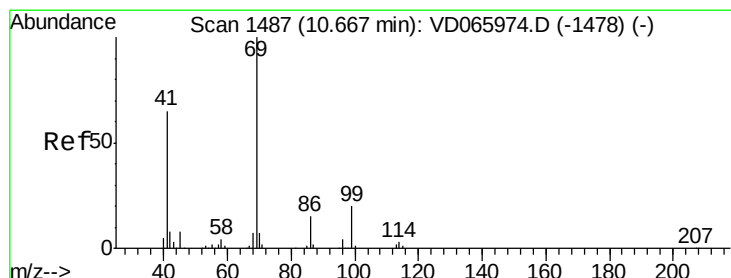
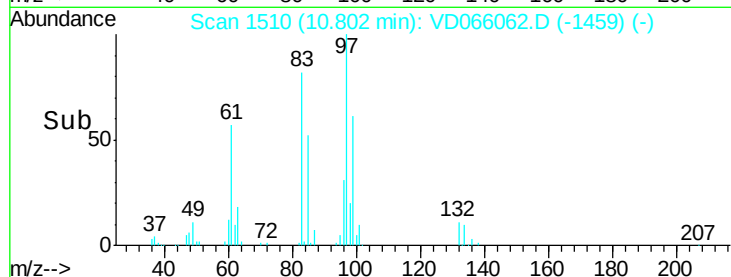
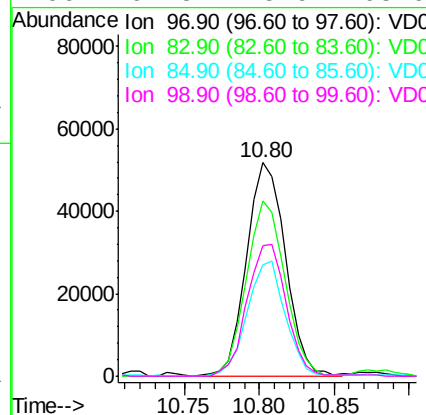
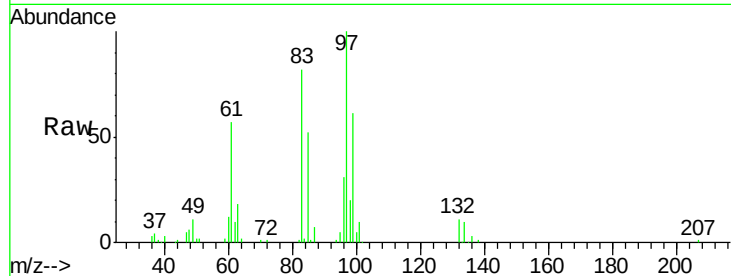
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	93518
Ion	Ratio	Lower	Upper
97	100		
83	82.3	69.7	104.5
85	52.0	41.6	62.4
99	61.3	45.9	68.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.734 ug/l

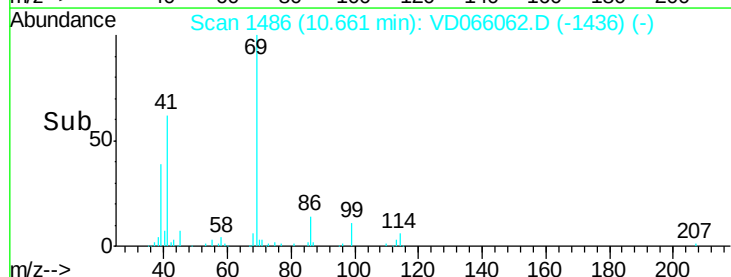
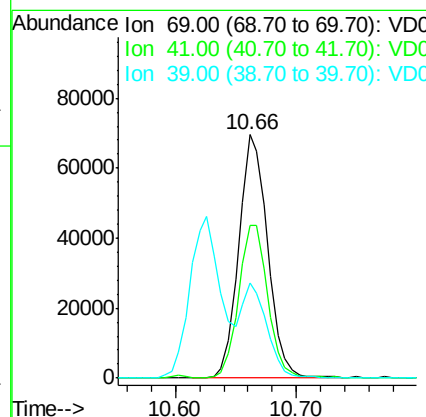
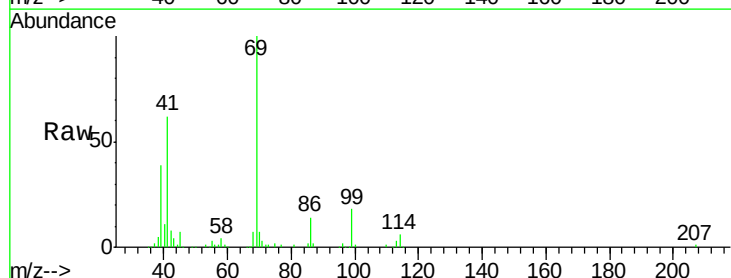
RT: 10.66 min Scan# 1486

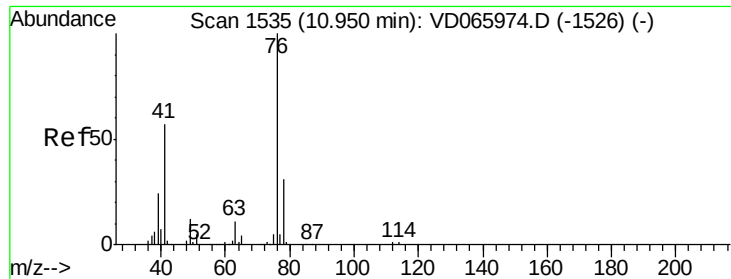
Delta R.T. -0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion:	69	Resp:	115889
Ion	Ratio	Lower	Upper
69	100		
41	62.8	52.3	78.5
39	34.2	25.2	37.8





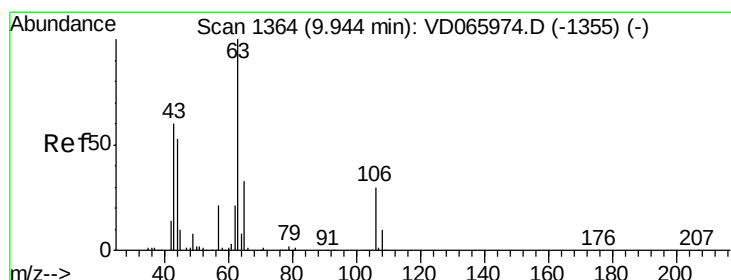
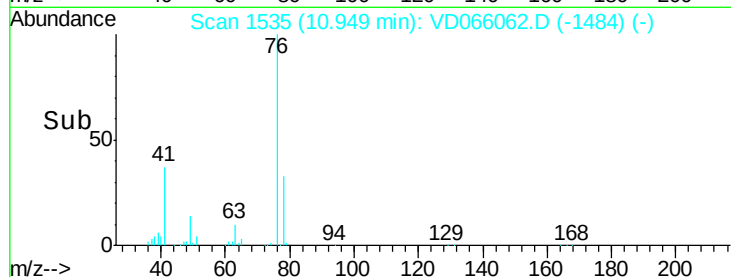
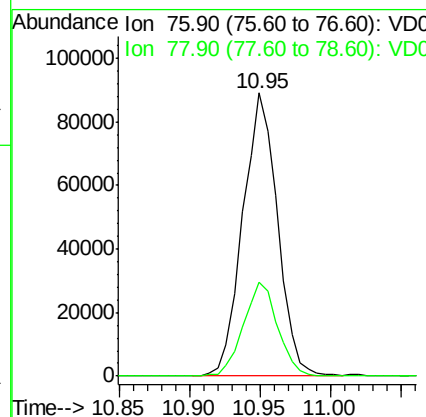
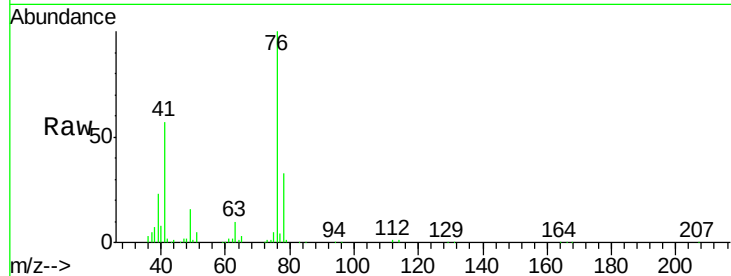
#57
 1,3-Dichloropropane
 Concen: 52.817 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 153617
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.6 38.4

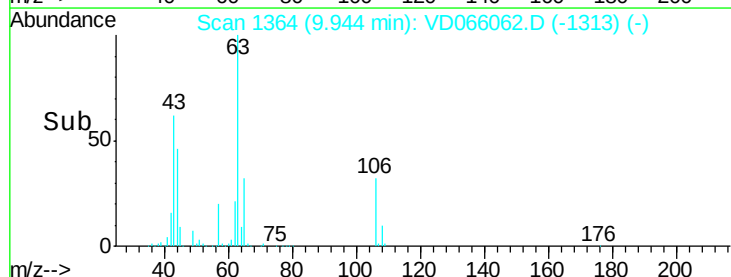
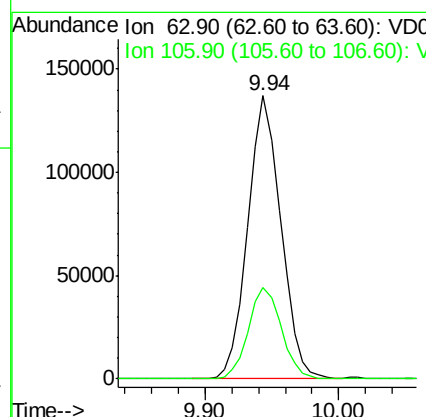
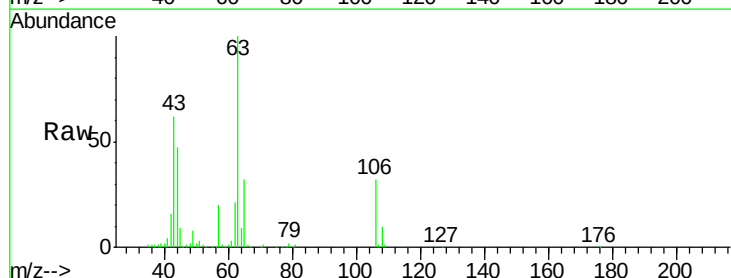
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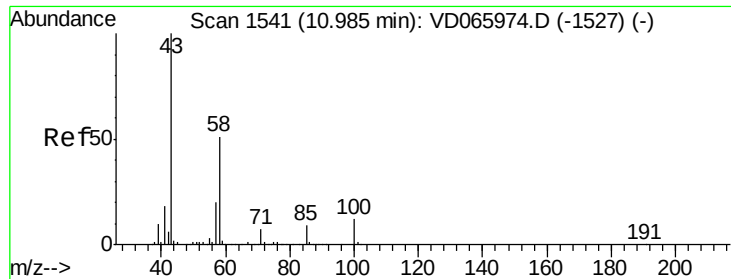
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.247 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion: 63 Resp: 234431
 Ion Ratio Lower Upper
 63 100
 106 32.2 24.4 36.6





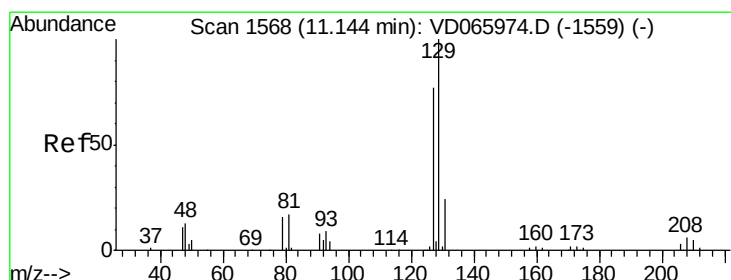
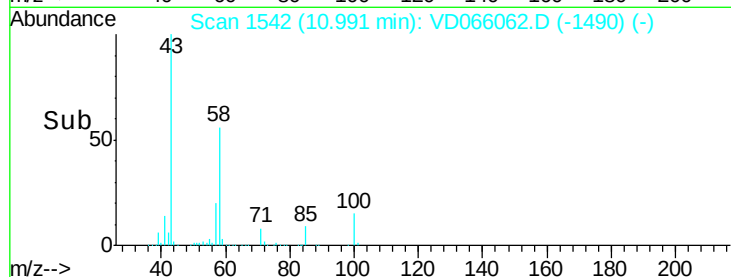
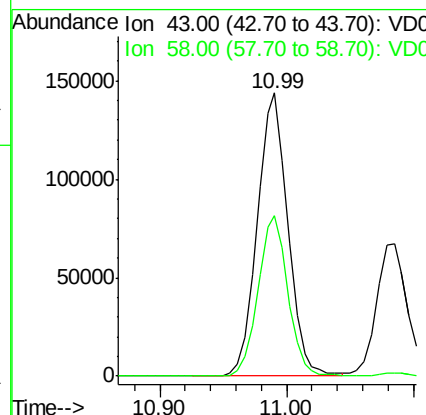
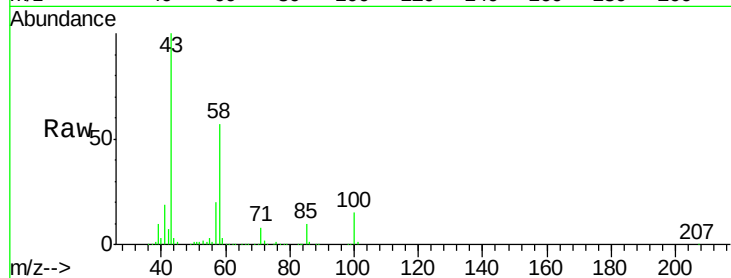
#59
2-Hexanone
Concen: 273.179 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 241631
Ion Ratio Lower Upper
43 100
58 55.0 26.2 78.6

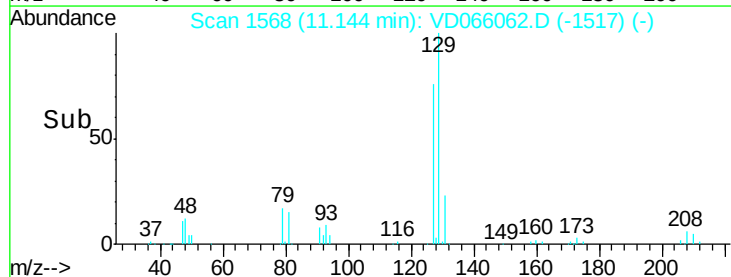
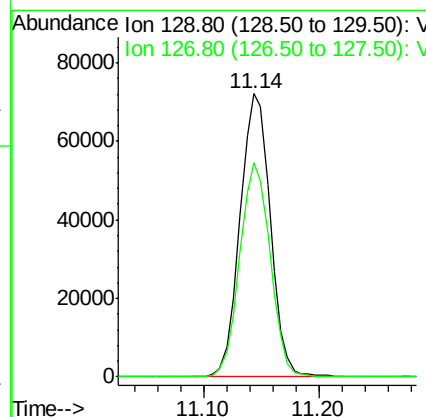
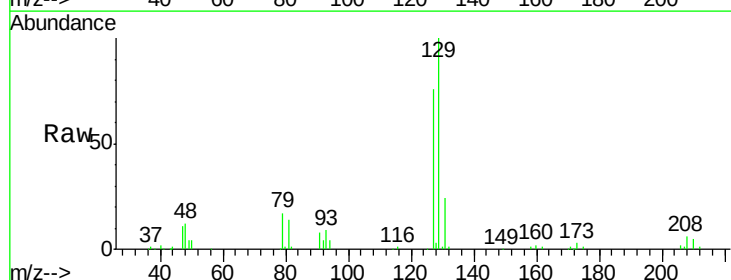
Manual Integrations
APPROVED

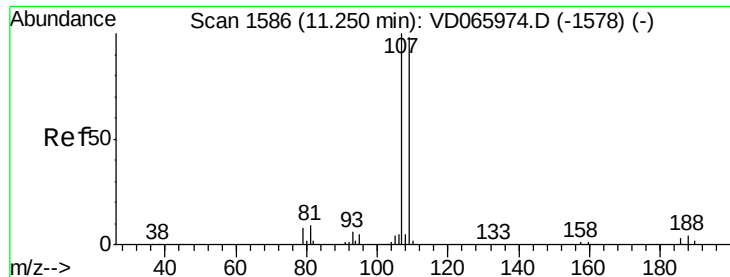
MMDadoda
7/28/2020 1:44:05 PM



#60
Dibromochloromethane
Concen: 55.274 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion: 129 Resp: 130935
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.7





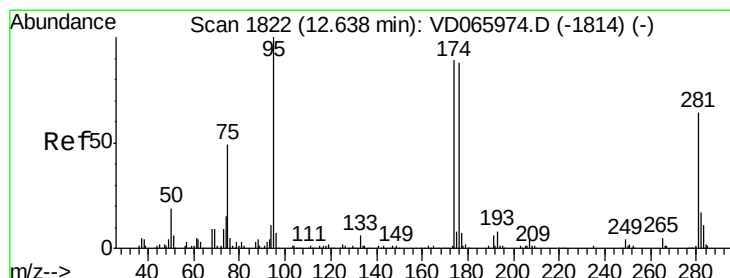
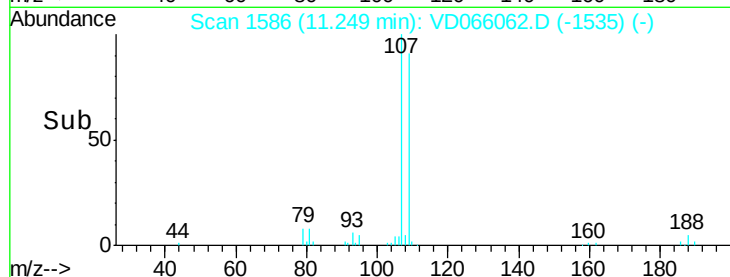
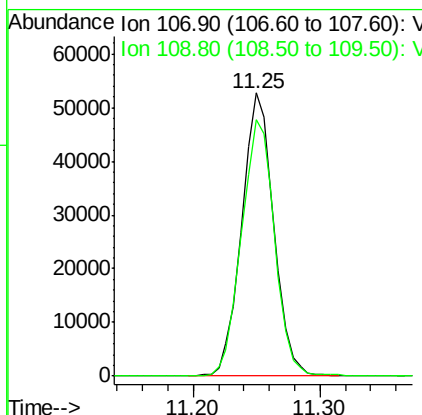
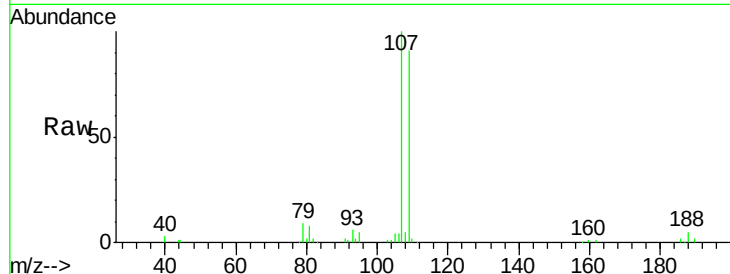
#61
 1,2-Dibromoethane
 Concen: 54.436 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 92213
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.4

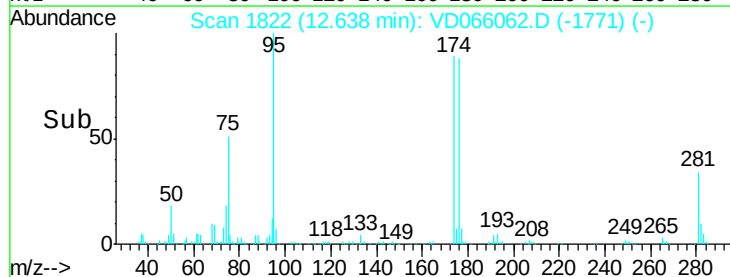
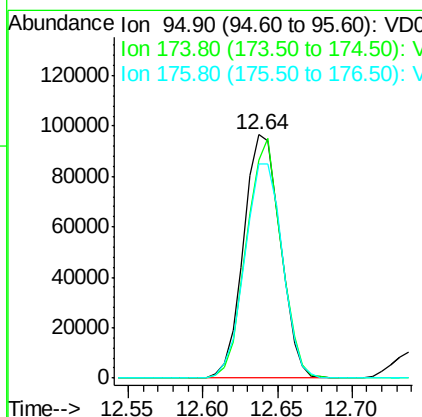
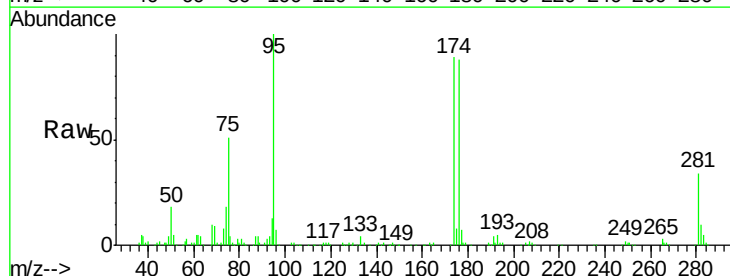
Manual Integrations
 APPROVED

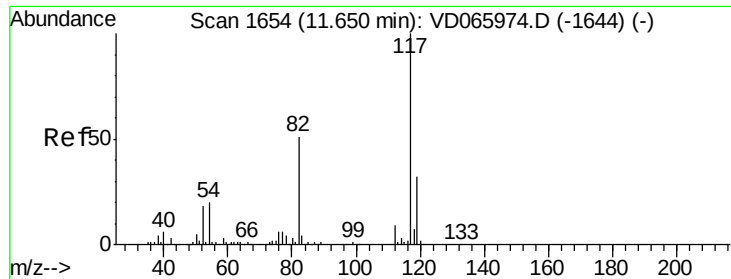
MMDadoda
 7/28/2020 1:44:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.648 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion: 95 Resp: 164137
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 178.8
 176 90.2 0.0 172.6





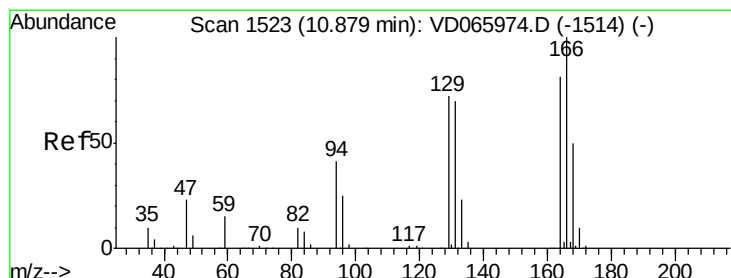
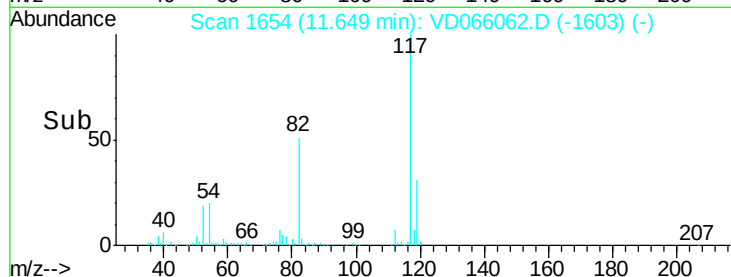
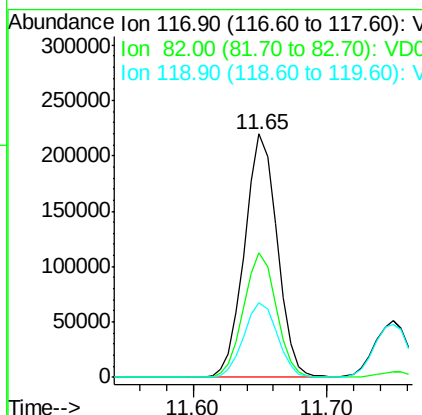
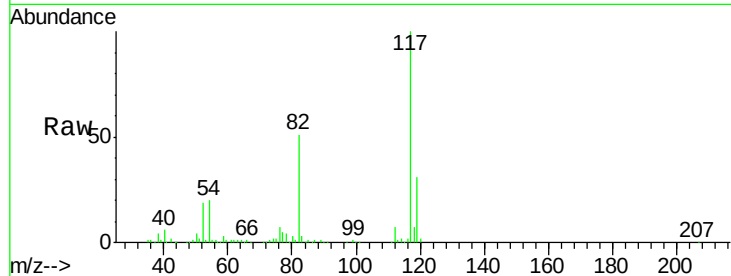
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	371119		
82	51.2		41.1	61.7
119	30.9		25.9	38.9

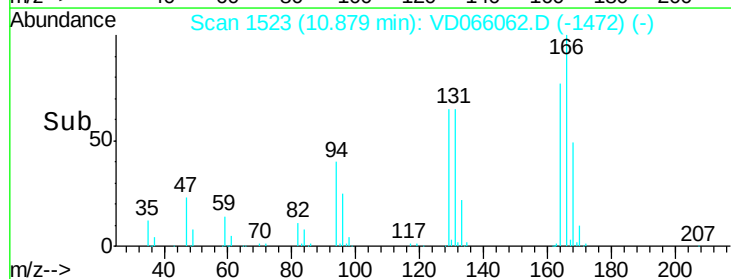
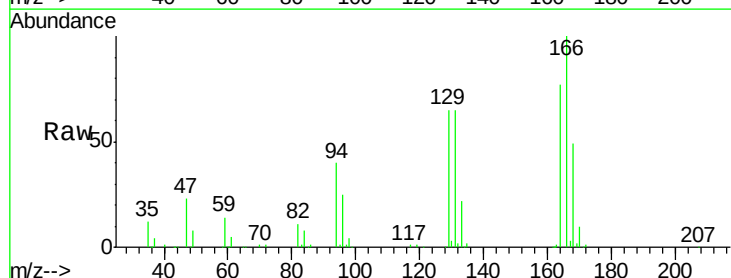
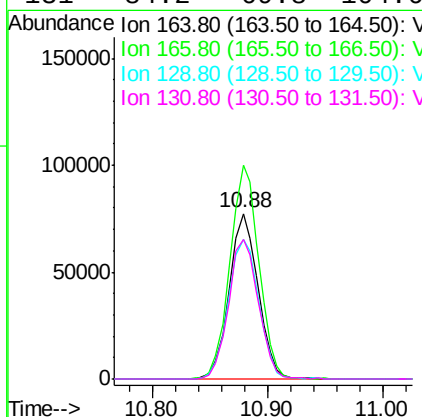
Manual Integrations
APPROVED

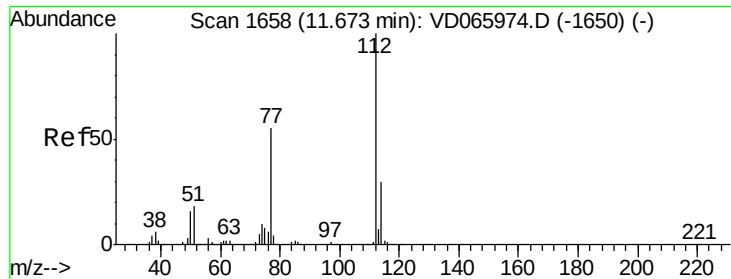
MMDadoda
7/28/2020 1:44:05 PM



#64
Tetrachloroethene
Concen: 52.988 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133473		
166	129.2		99.1	148.7
129	84.2		71.5	107.3
131	84.2		69.8	104.6





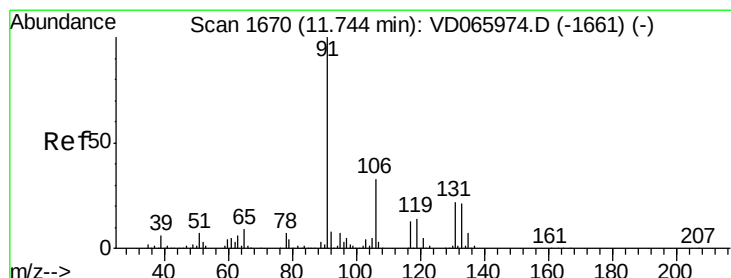
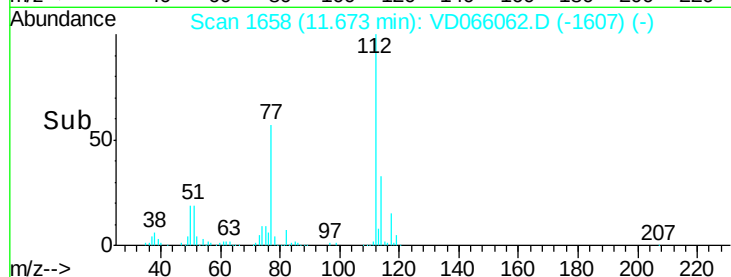
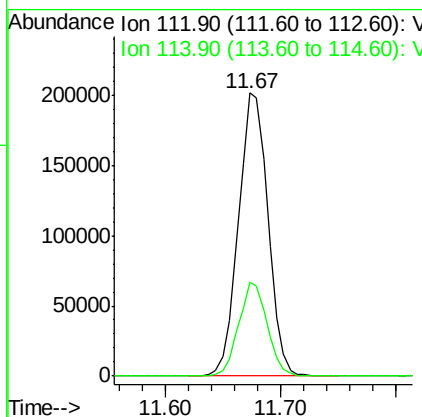
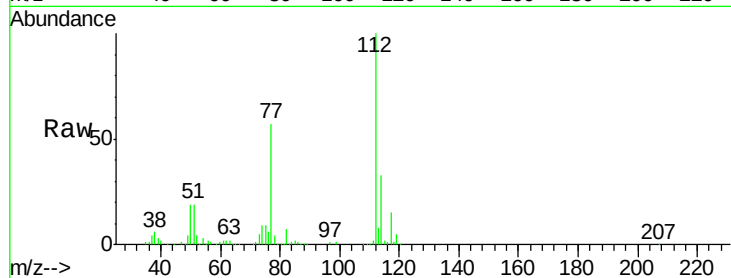
#65
Chlorobenzene
Concen: 52.641 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 357698
Ion Ratio Lower Upper
112 100
114 33.4 24.4 36.6

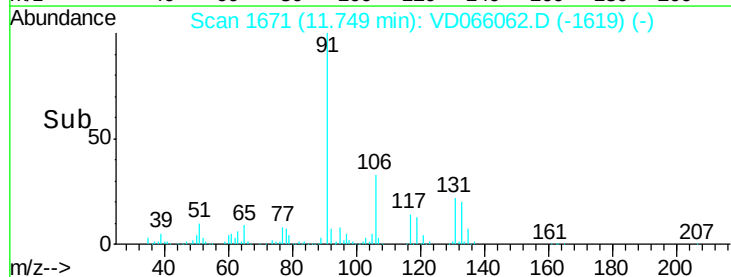
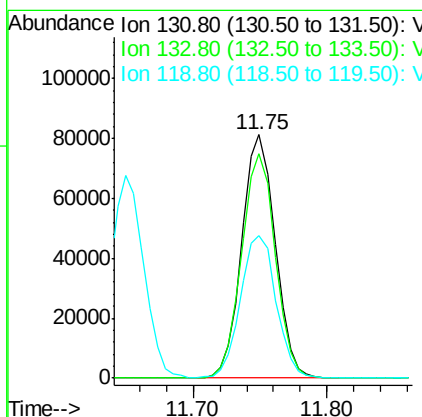
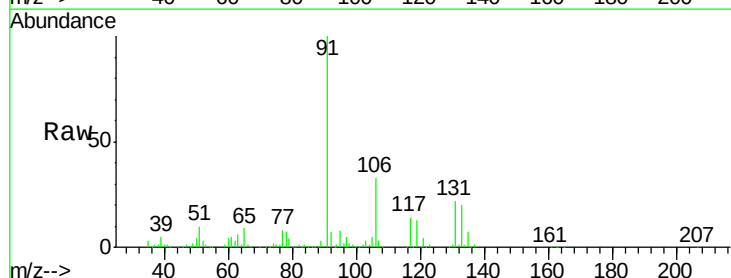
Manual Integrations
APPROVED

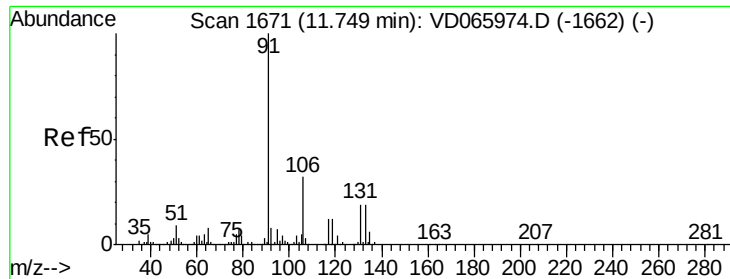
MMDadoda
7/28/2020 1:44:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.992 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion:131 Resp: 140484
Ion Ratio Lower Upper
131 100
133 92.9 47.3 142.0
119 62.5 31.7 95.1





#67

Ethyl Benzene

Concen: 53.867 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 629896

Ion Ratio Lower Upper

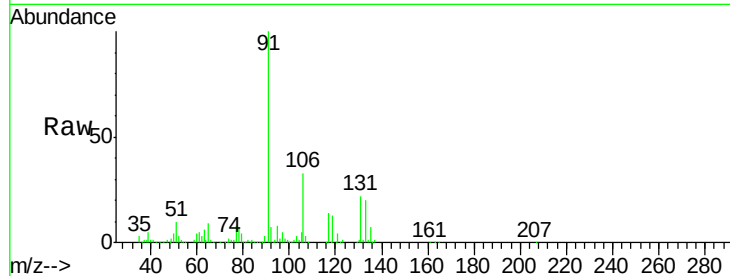
91 100

106 32.7 25.7 38.5

Manual Integrations
APPROVED

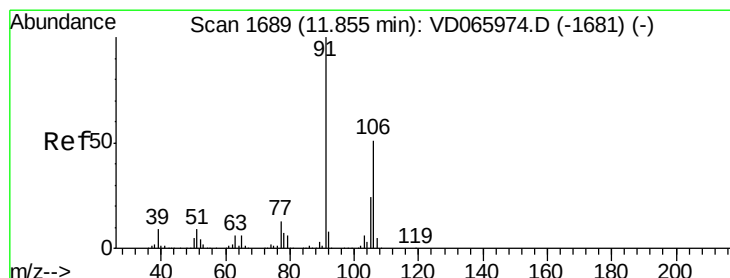
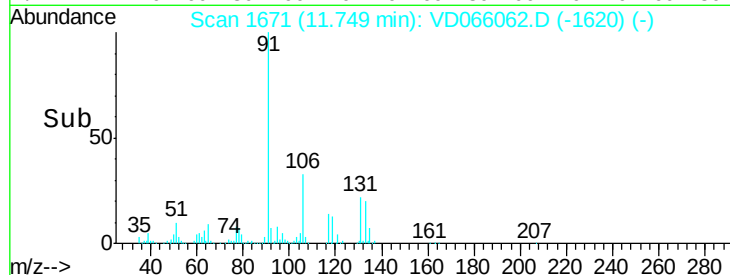
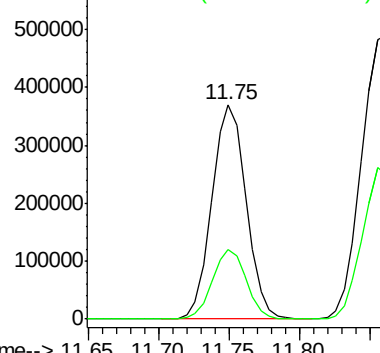
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.727 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066062.D

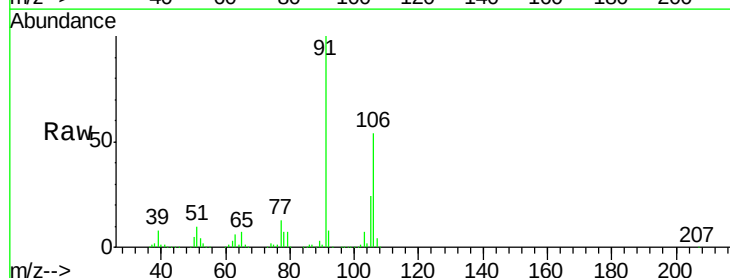
Acq: 27 Jul 2020 11:40

Tgt Ion: 106 Resp: 493173

Ion Ratio Lower Upper

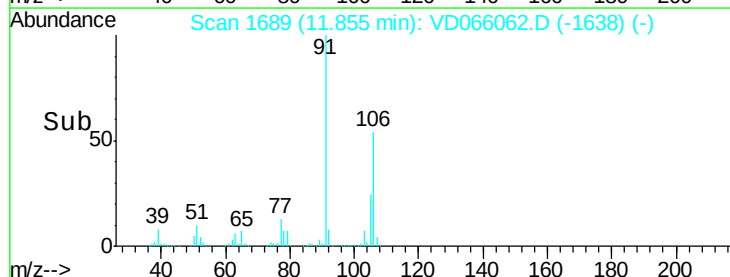
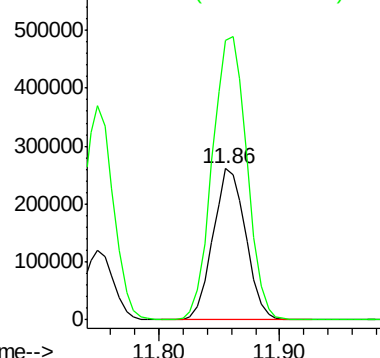
106 100

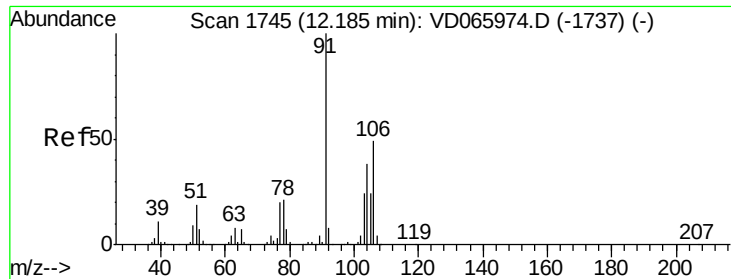
91 197.2 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD0





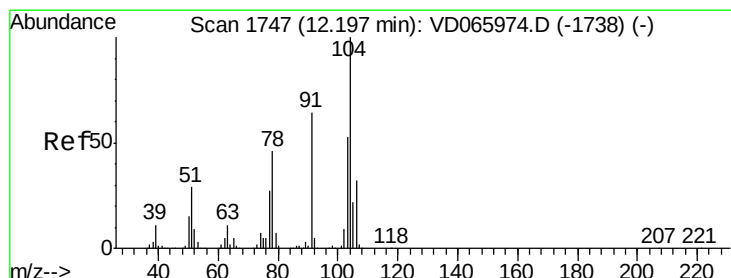
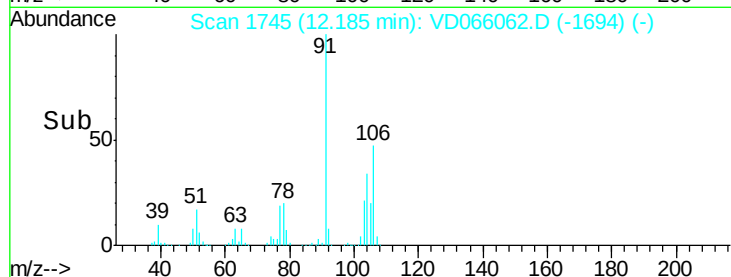
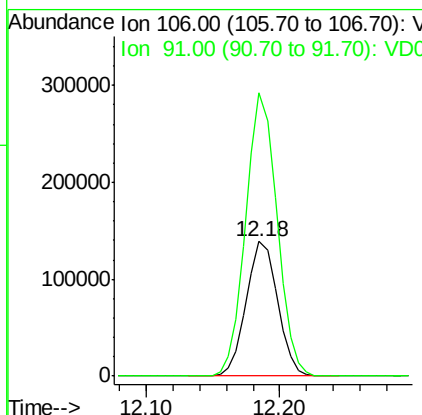
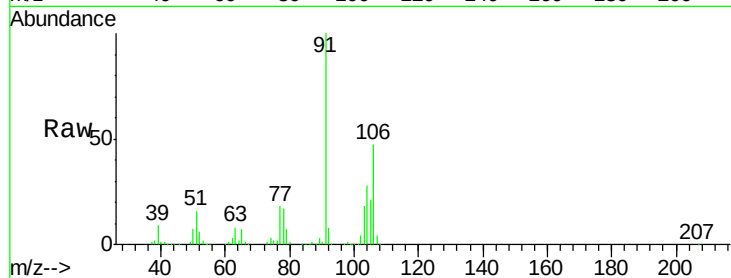
#69
o-Xylene
Concen: 55.506 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		226906		
91	209.0	103.1	309.3		

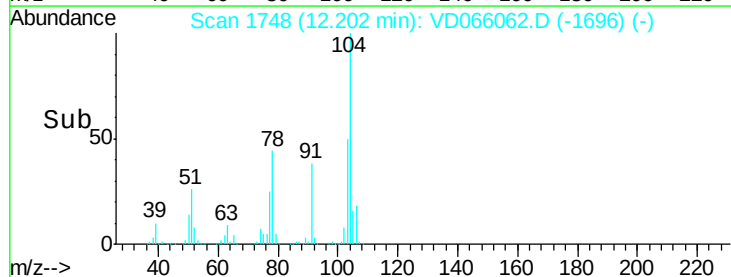
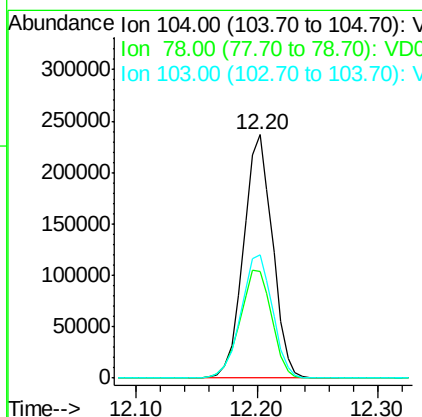
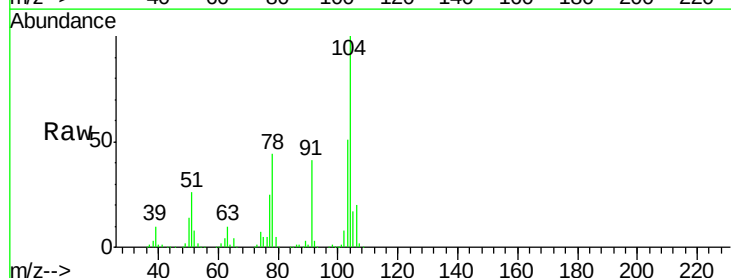
Manual Integrations
APPROVED

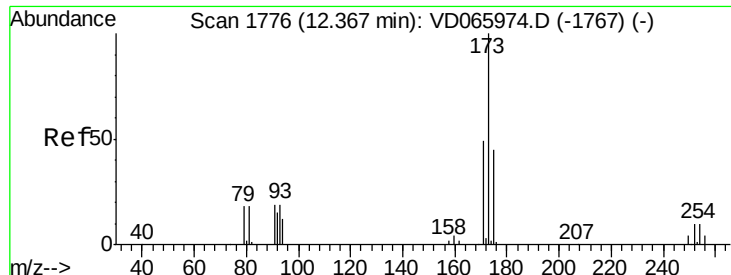
MMDadoda
7/28/2020 1:44:05 PM



#70
Styrene
Concen: 56.487 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		396750		
78	48.8	38.3	57.5		
103	54.9	43.8	65.8		





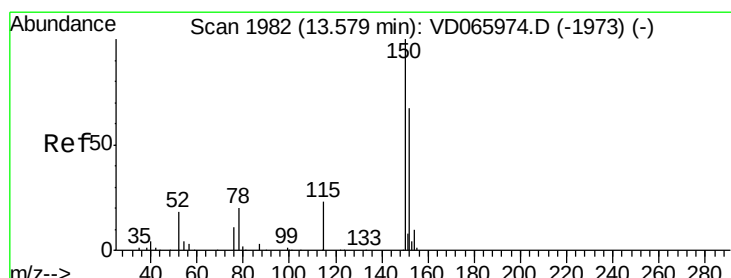
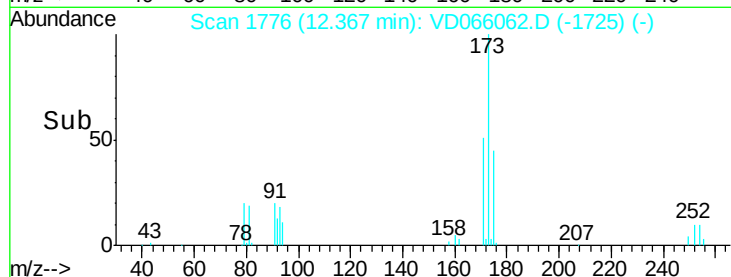
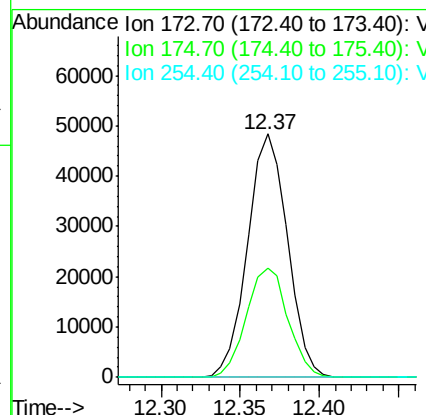
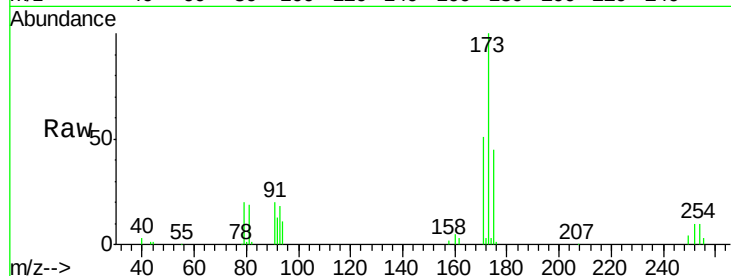
#71
Bromoform
Concen: 57.630 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.1	72.3
254	0.0	0.0	0.0

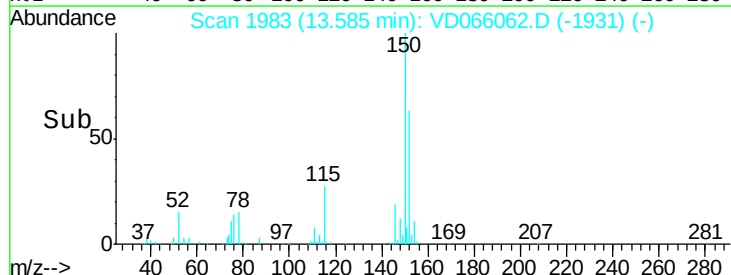
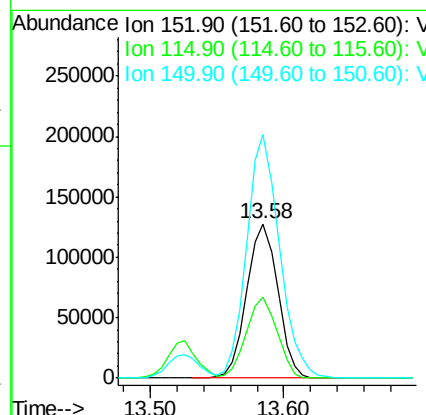
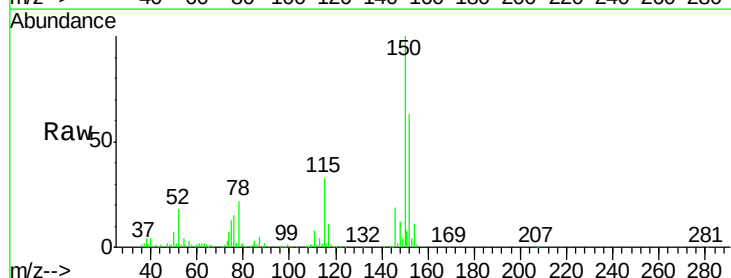
Manual Integrations
APPROVED

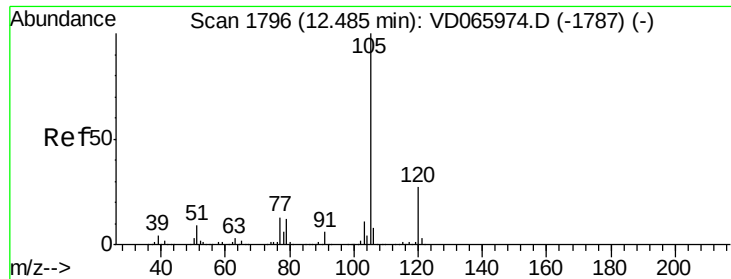
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	27.9	83.7
150	166.8	0.0	348.2





#73

Isopropylbenzene

Concen: 51.070 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 634028

Ion Ratio Lower Upper

105 100

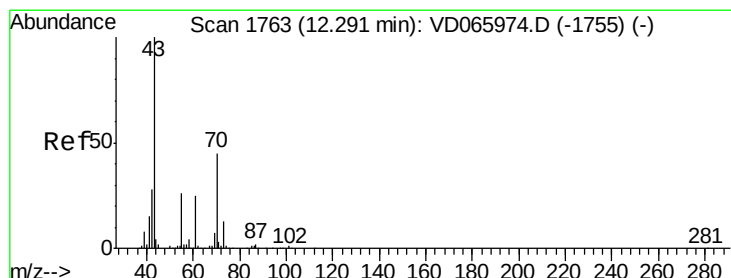
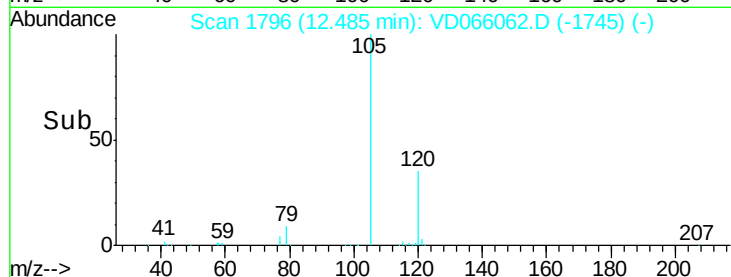
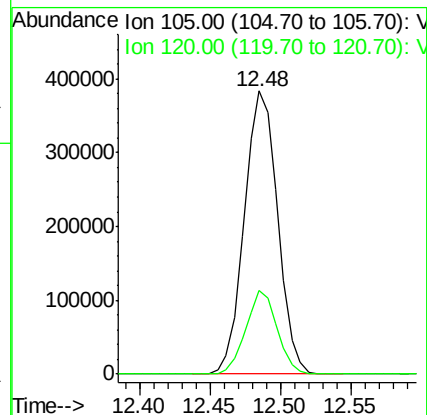
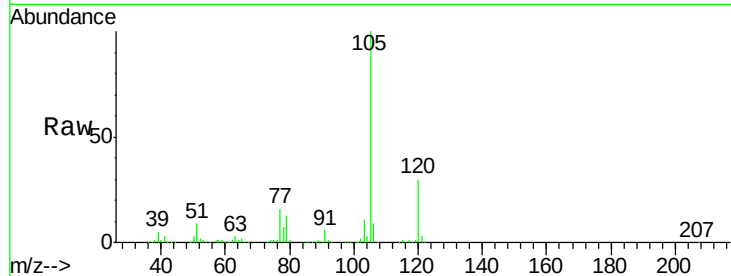
120 27.9 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.623 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion: 43 Resp: 127736

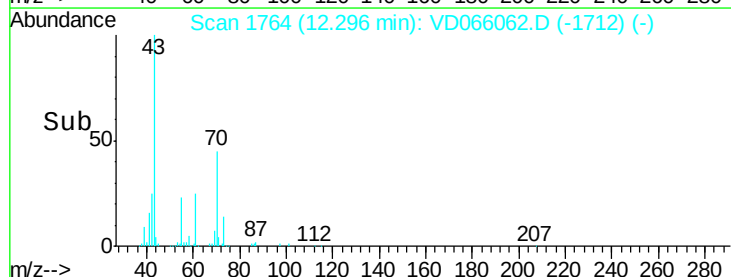
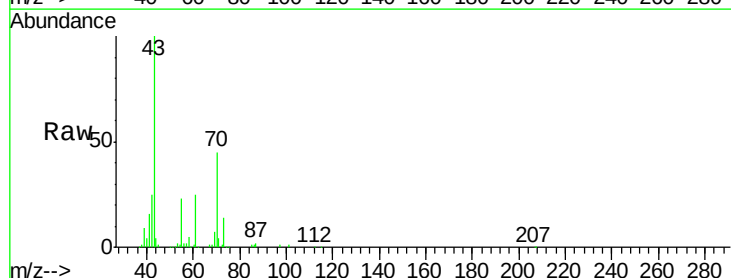
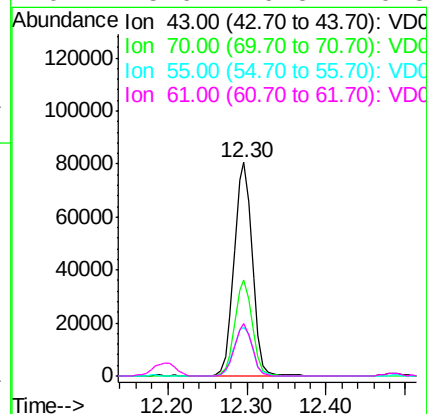
Ion Ratio Lower Upper

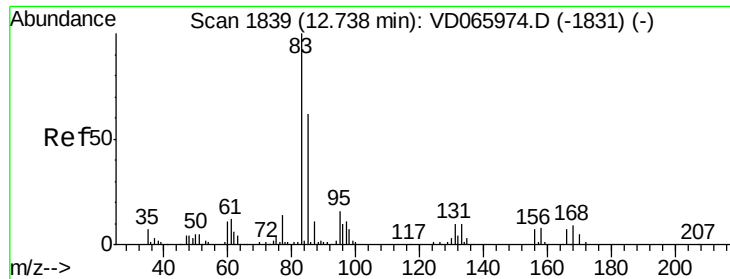
43 100

70 43.2 34.6 51.8

55 23.9 20.3 30.5

61 23.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.015 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

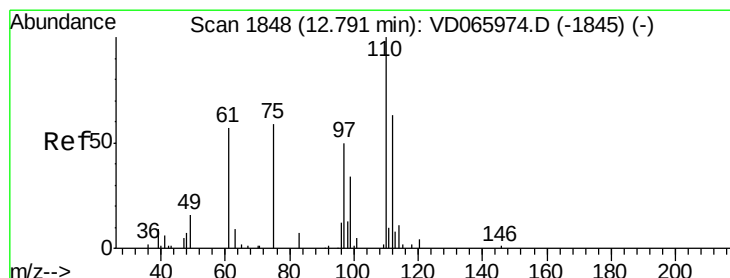
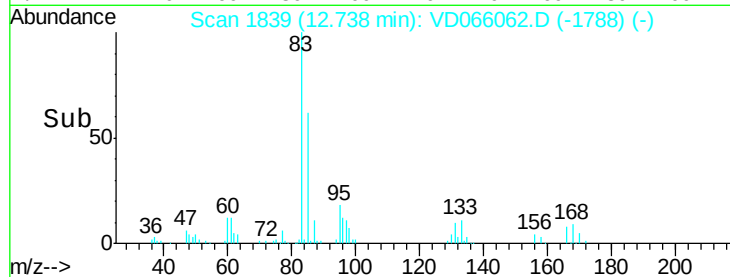
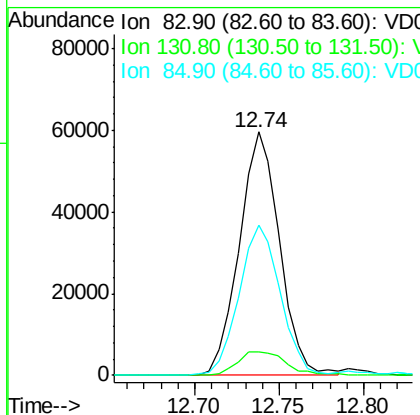
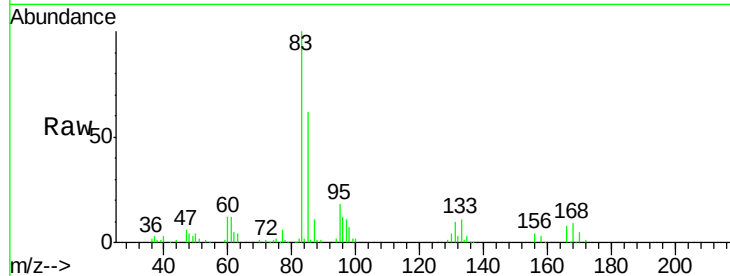
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	98515
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.1
85	63.4	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.619 ug/l m

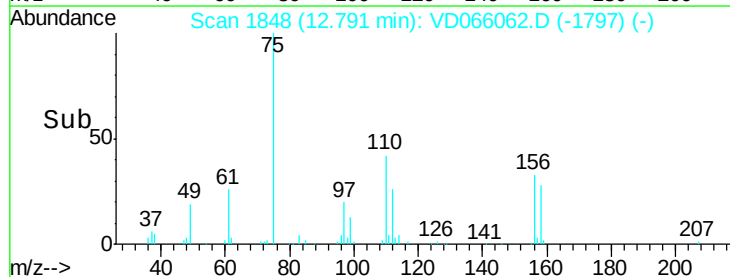
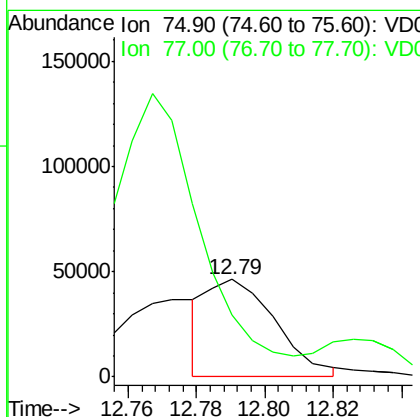
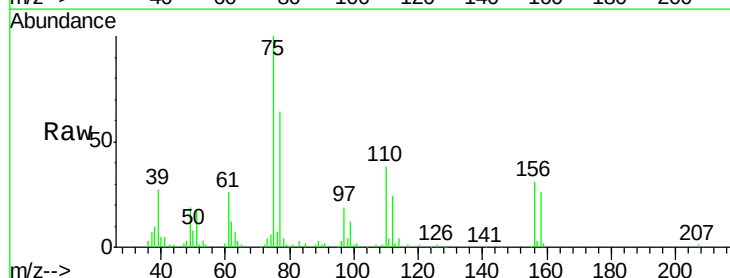
RT: 12.79 min Scan# 1848

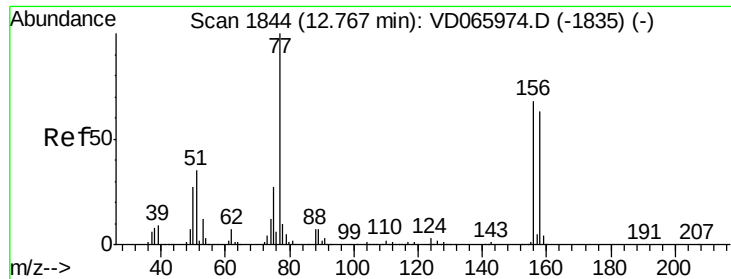
Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion:	75	Resp:	64294
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





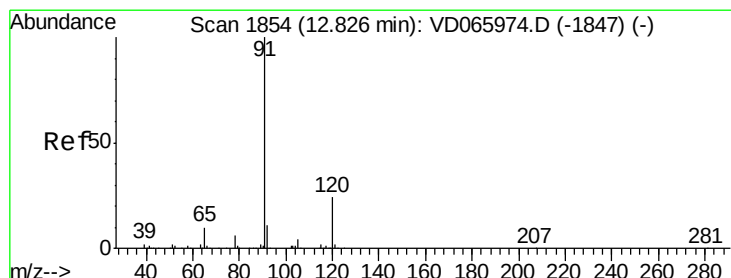
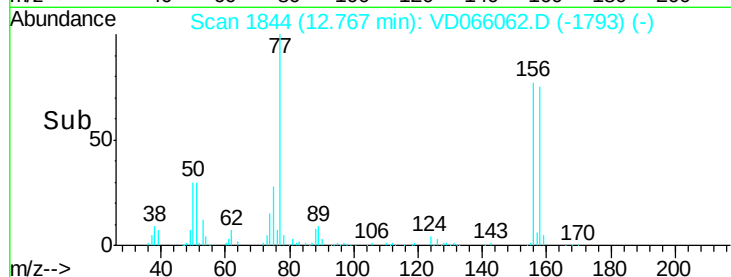
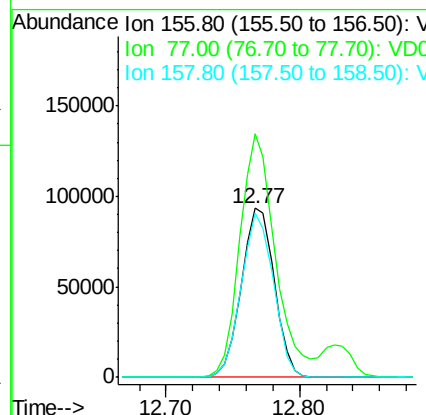
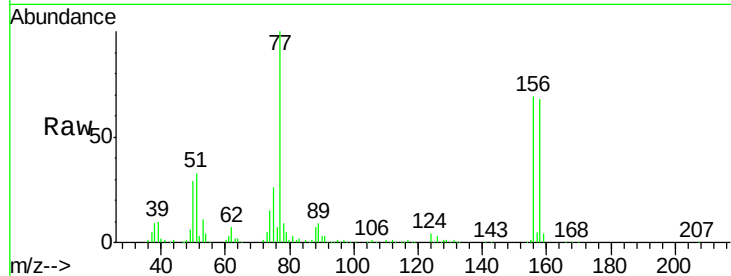
#77
Bromobenzene
Concen: 50.332 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		159693		
77	154.6	83.0	249.0		
158	95.5	48.2	144.6		

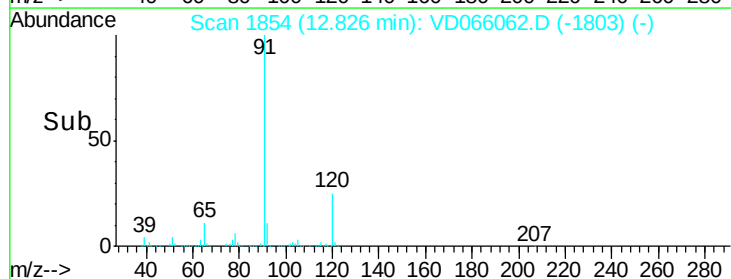
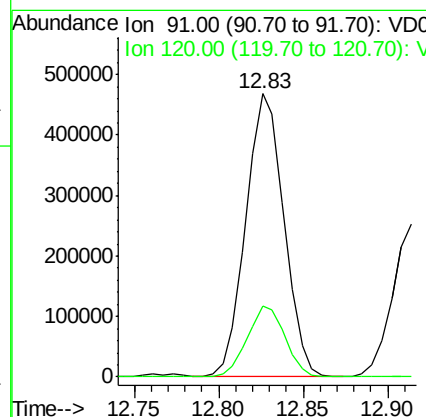
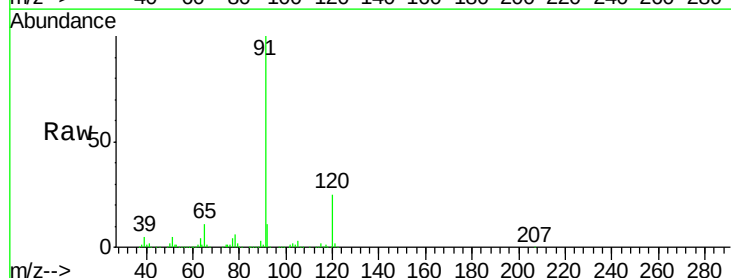
Manual Integrations
APPROVED

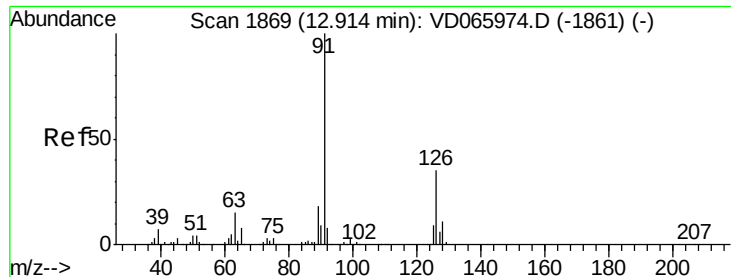
MMDadoda
7/28/2020 1:44:05 PM



#78
n-propylbenzene
Concen: 51.098 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		736141		
120	24.9	12.0	36.0		





#79

2-Chlorotoluene

Concen: 50.409 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 414890

Ion Ratio Lower Upper

91 100

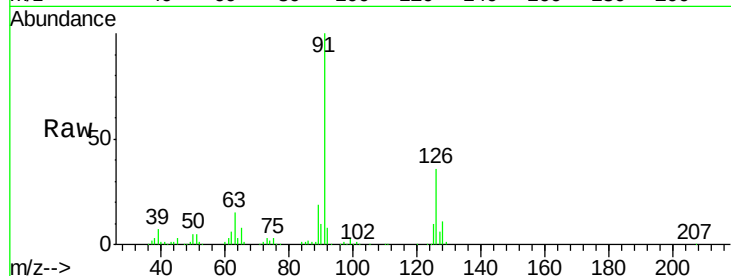
126 36.7 17.7 53.1

Manual Integrations

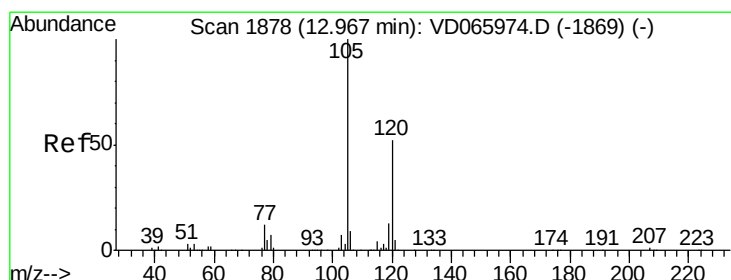
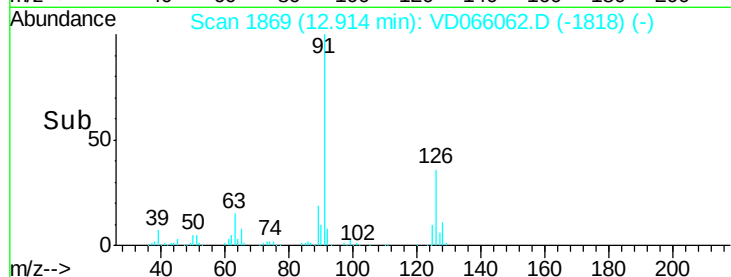
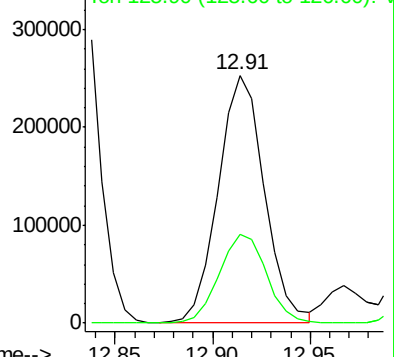
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.388 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066062.D

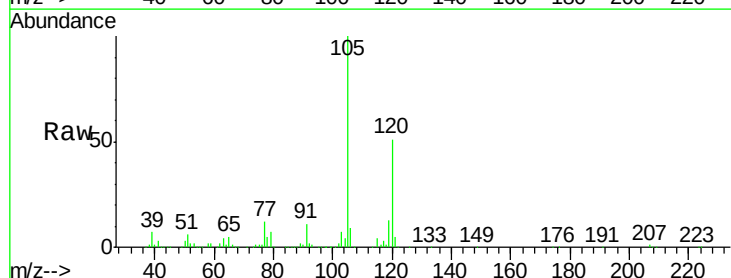
Acq: 27 Jul 2020 11:40

Tgt Ion:105 Resp: 534347

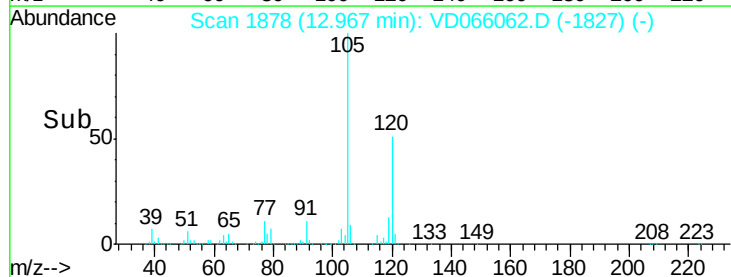
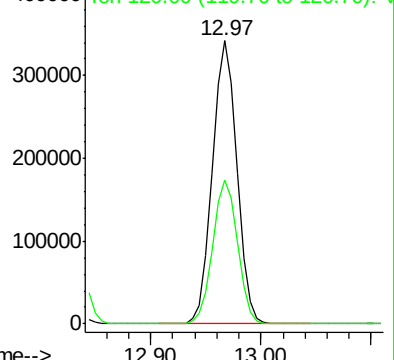
Ion Ratio Lower Upper

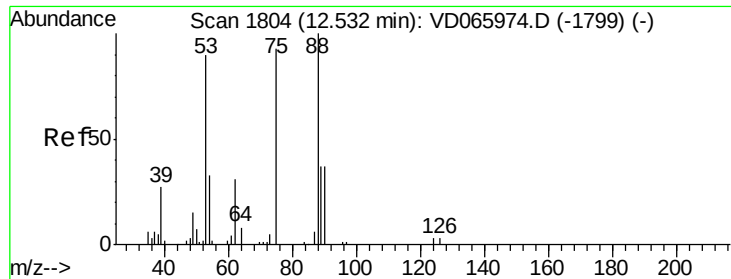
105 100

120 51.4 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





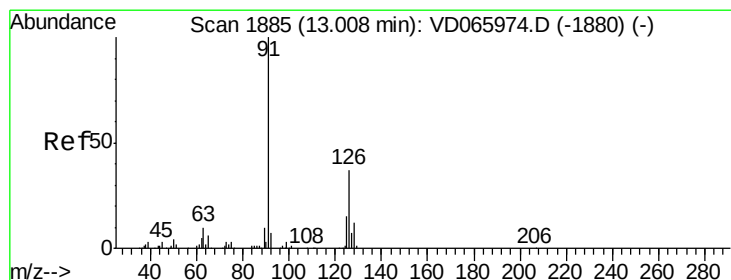
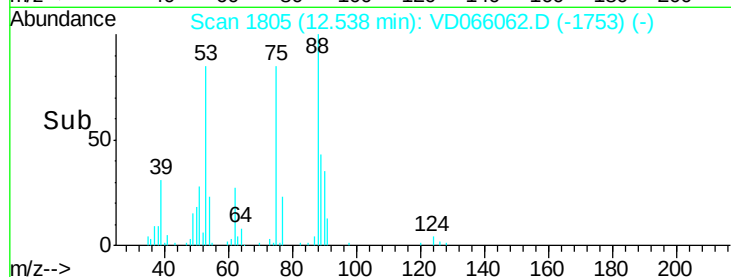
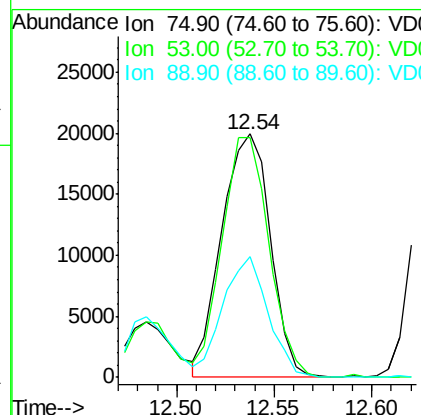
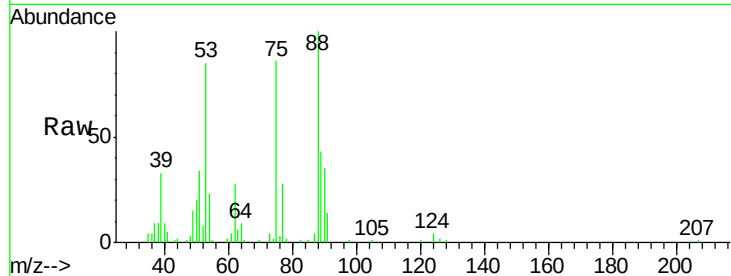
#81
trans-1,4-Dichloro-2-butene
Concen: 51.091 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	76.8	115.2
89	46.3	37.0	55.4

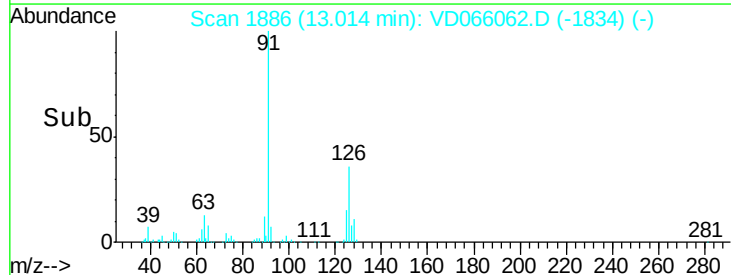
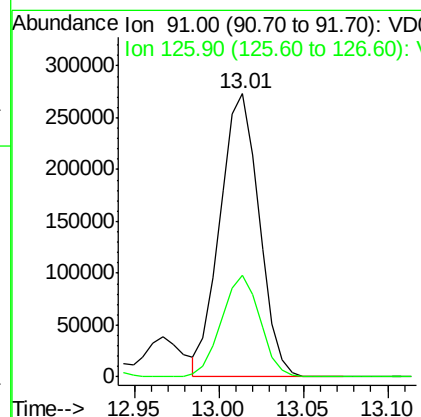
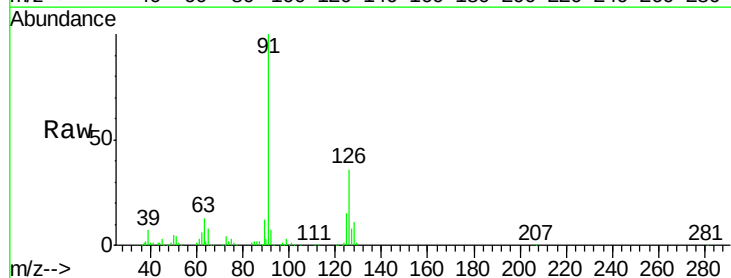
Manual Integrations
APPROVED

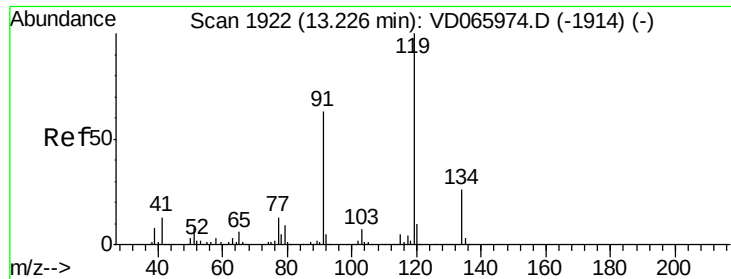
MMDadoda
7/28/2020 1:44:05 PM



#82
4-Chlorotoluene
Concen: 50.720 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD066062.D
Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.5





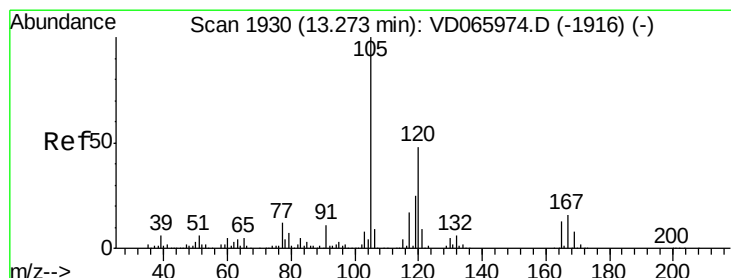
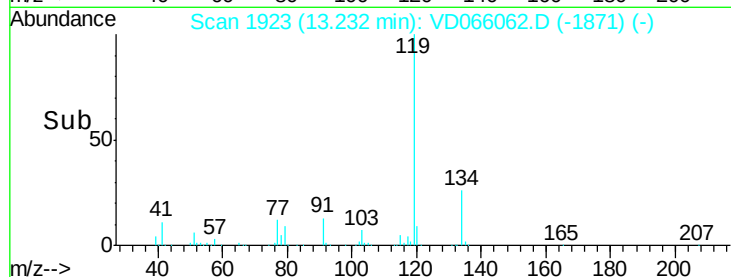
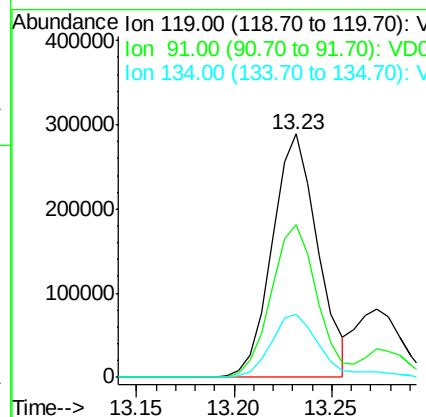
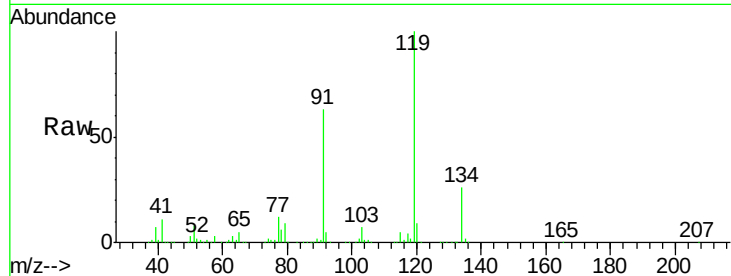
#83
 tert-Butylbenzene
 Concen: 52.314 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	466929		
91	63.6		30.6	91.6
134	28.7		13.9	41.7

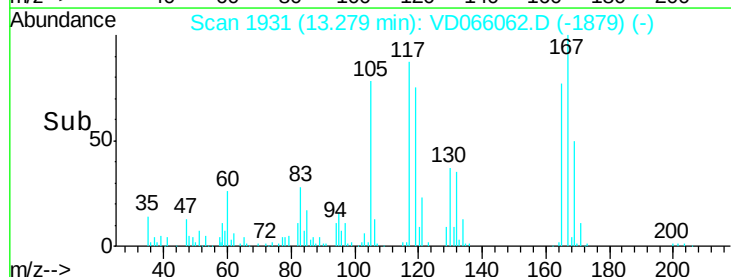
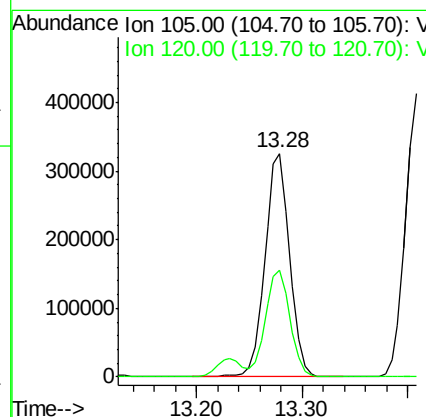
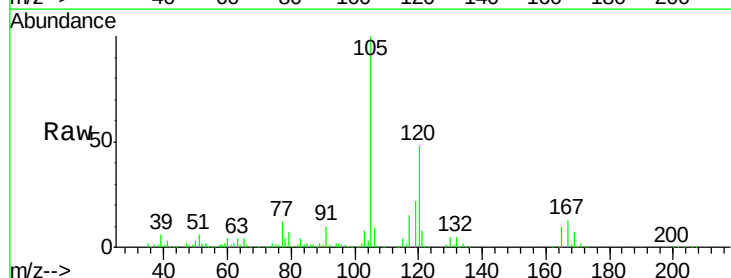
Manual Integrations
 APPROVED

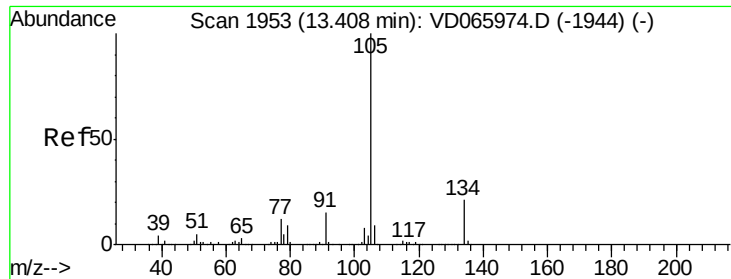
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.389 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	527185		
120	47.4		23.9	71.8





#85

sec-Butylbenzene

Concen: 52.825 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 649426

Ion Ratio Lower Upper

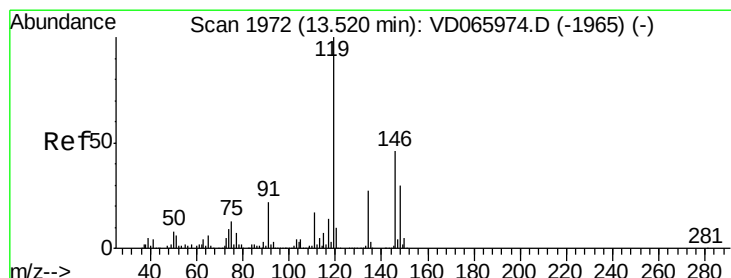
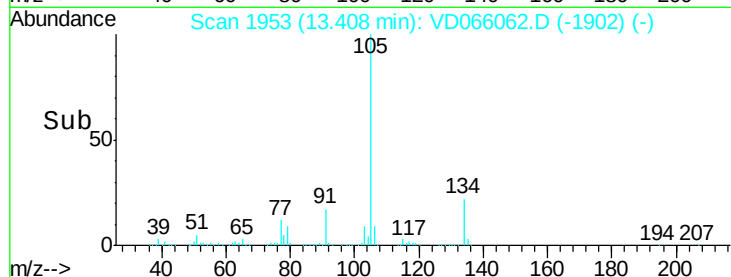
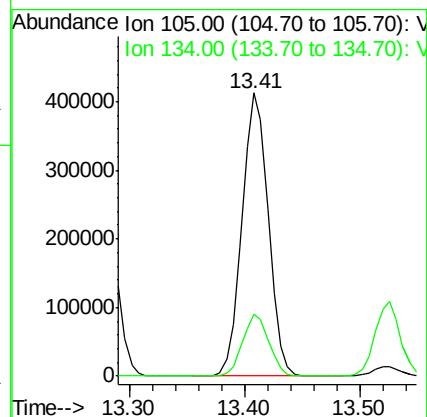
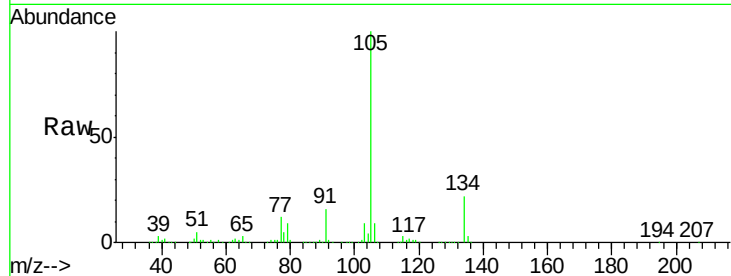
105 100

134 21.8 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.125 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

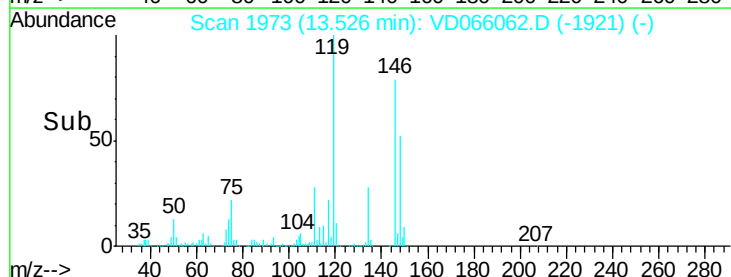
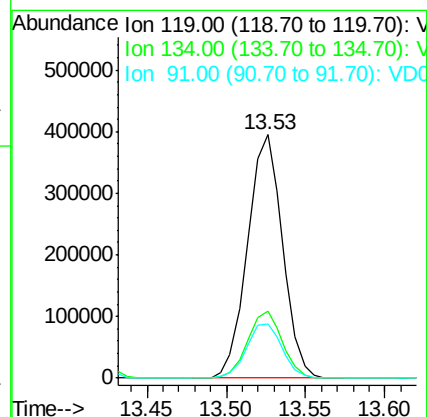
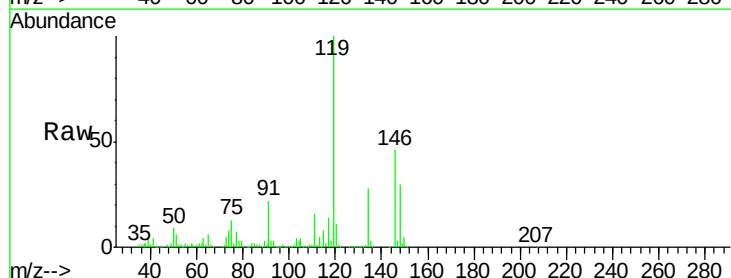
Tgt Ion:119 Resp: 604519

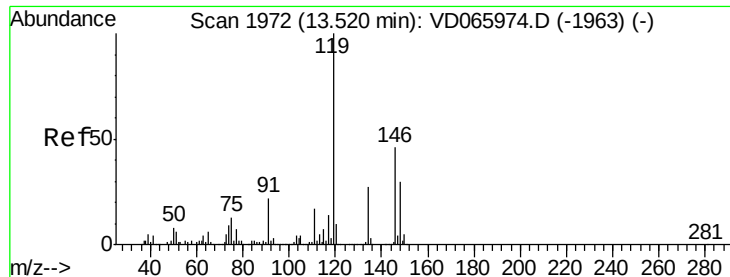
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 22.7 11.1 33.3





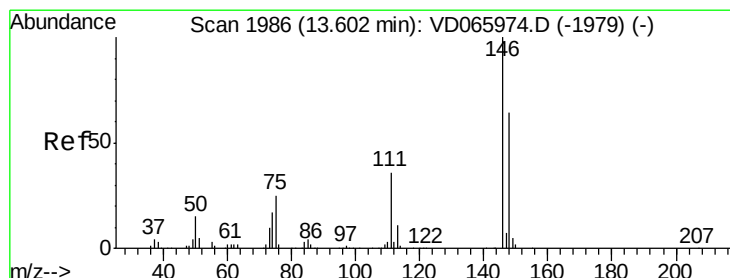
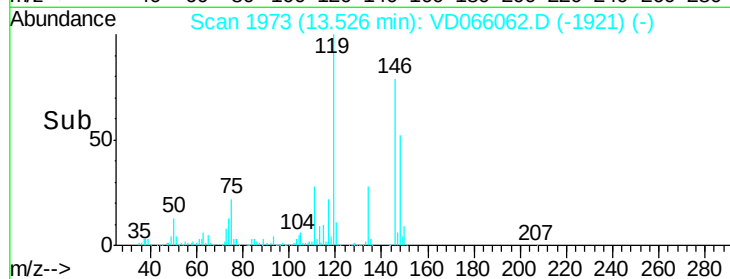
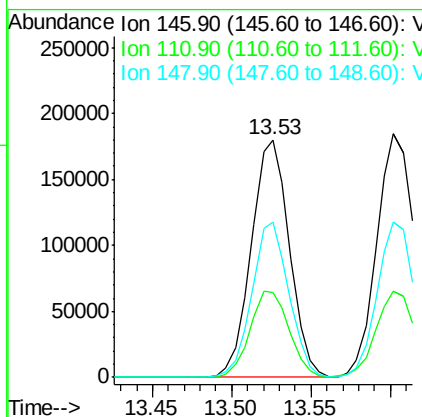
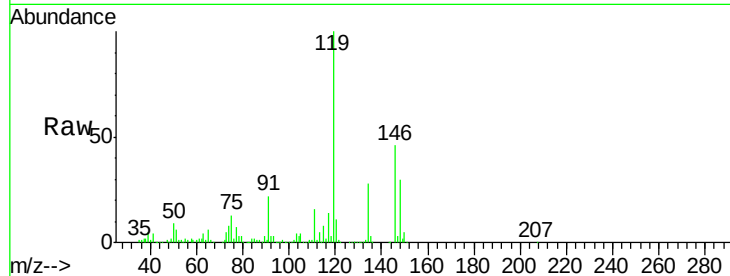
#87
 1,3-Dichlorobenzene
 Concen: 50.985 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	300339		
111	37.3	18.6	55.6	
148	63.8	32.4	97.0	

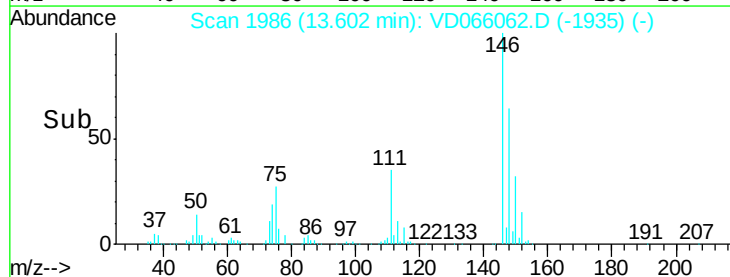
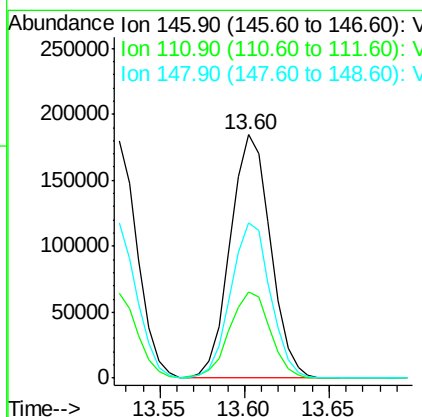
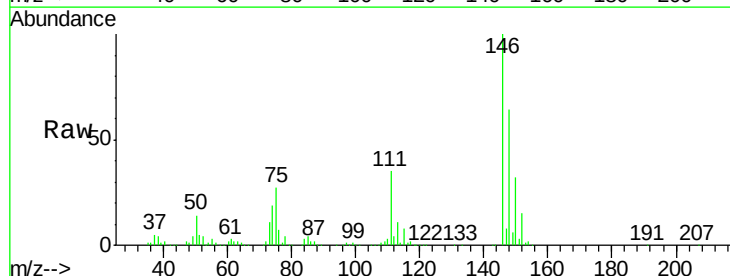
Manual Integrations
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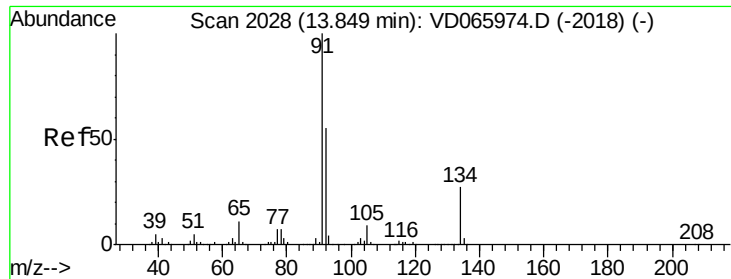
MMDadoda
 7/28/2020 1:44:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.327 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	305654		
111	36.0	18.8	56.4	
148	63.0	32.2	96.6	





#89

n-Butylbenzene

Concen: 53.517 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

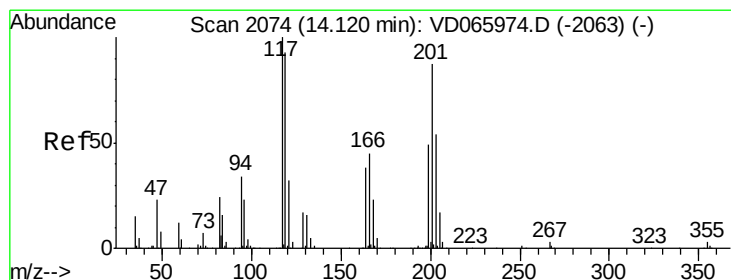
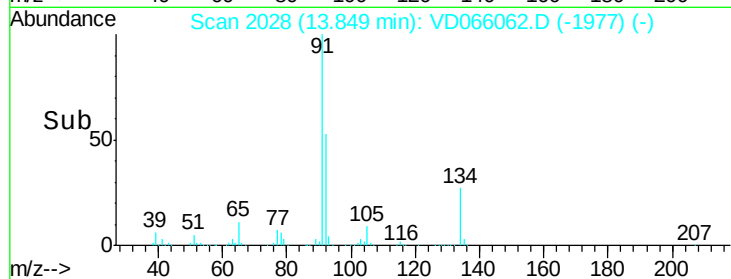
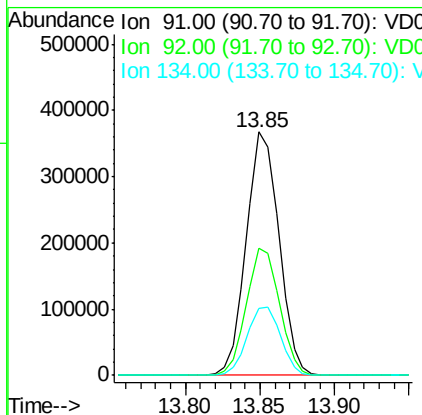
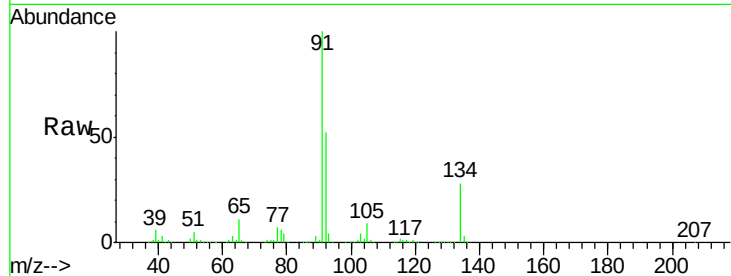
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.2	81.6
134	29.0	13.8	41.4

Manual Integrations
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#90

Hexachloroethane

Concen: 50.829 ug/l

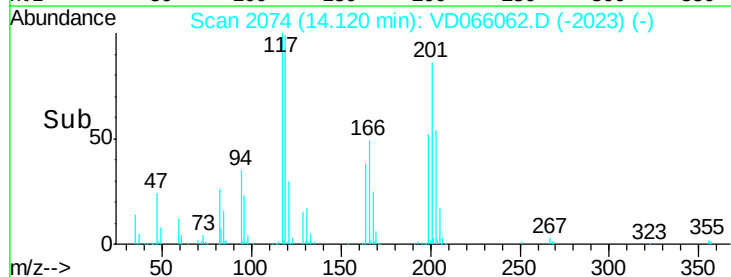
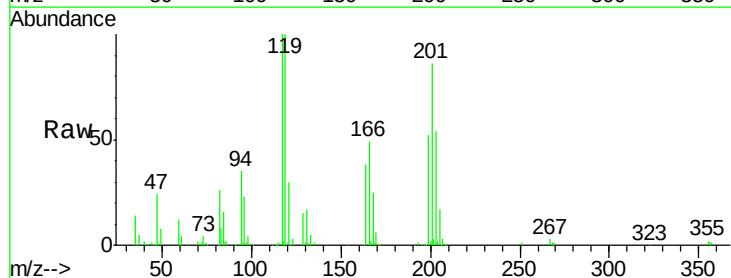
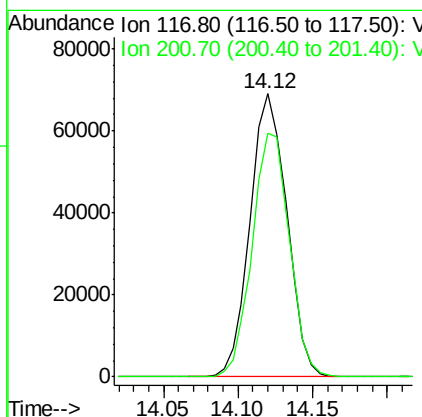
RT: 14.12 min Scan# 2074

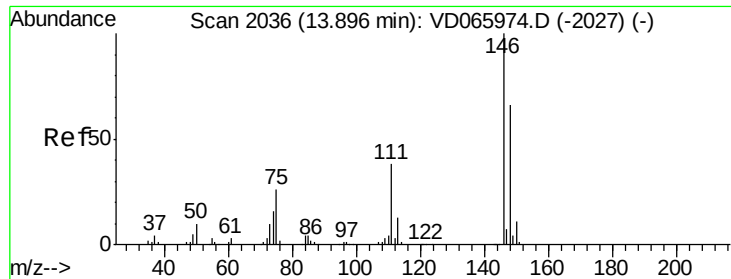
Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	42.0	126.1





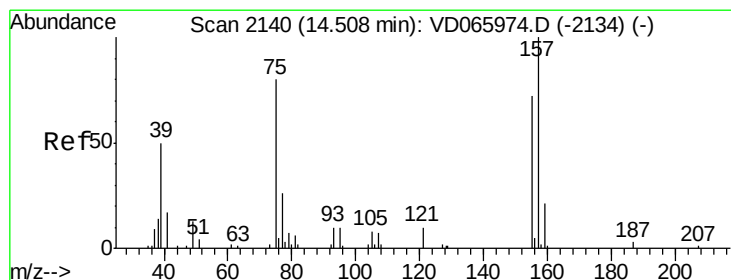
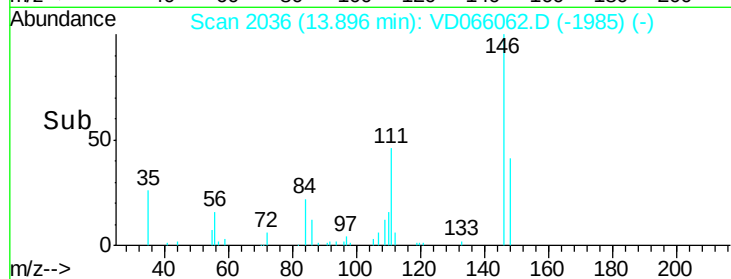
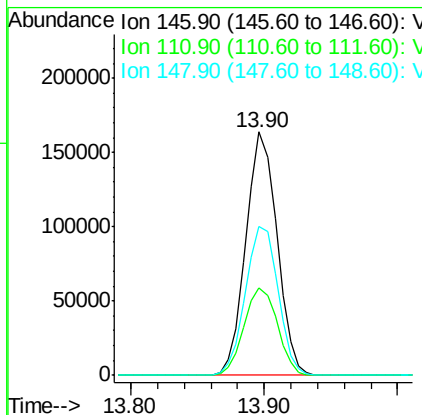
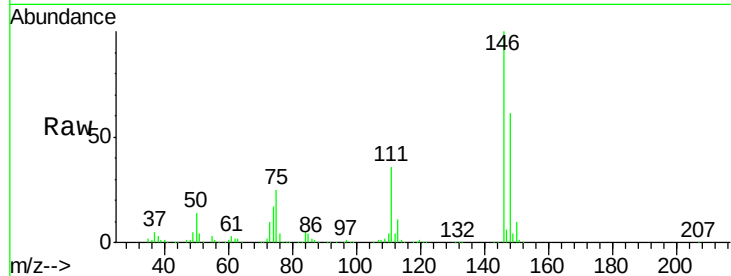
#91
 1,2-Dichlorobenzene
 Concen: 51.789 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.2	32.7	98.1

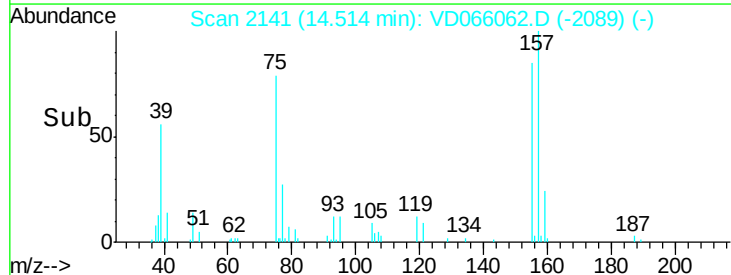
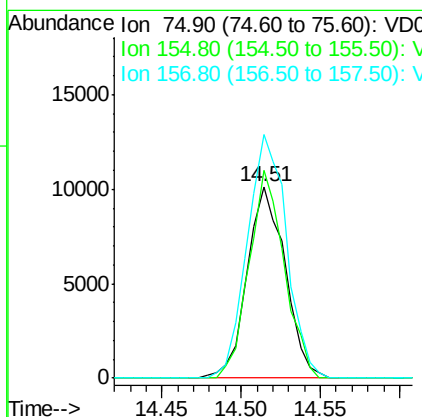
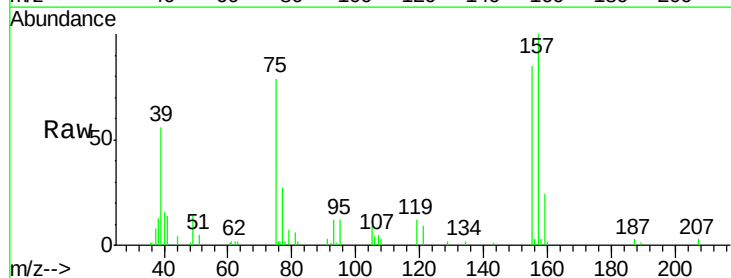
Manual Integrations
 APPROVED

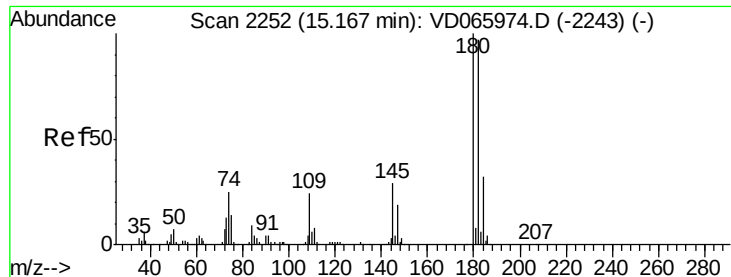
MMDadoda
 7/28/2020 1:44:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.401 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	48.5	145.5
157	131.3	64.7	194.1





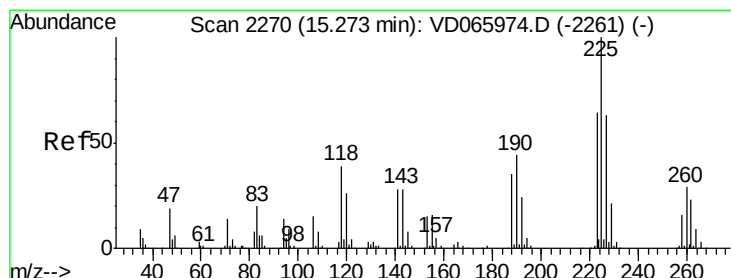
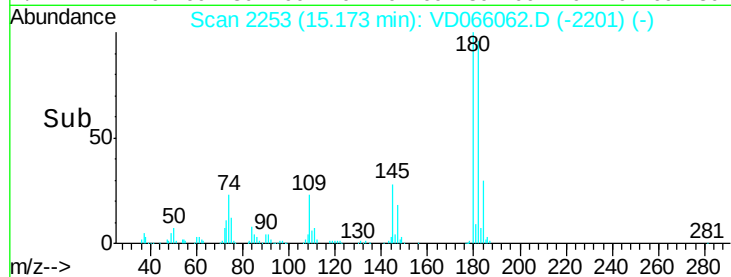
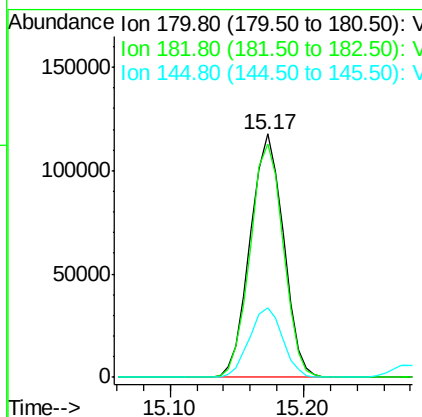
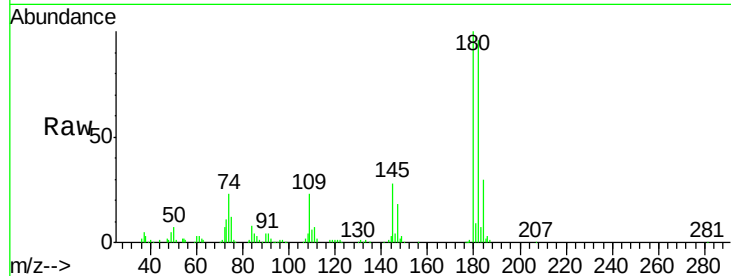
#93
 1,2,4-Trichlorobenzene
 Concen: 55.446 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	203151		
182	95.1	48.1	144.3	
145	28.5	14.7	44.1	

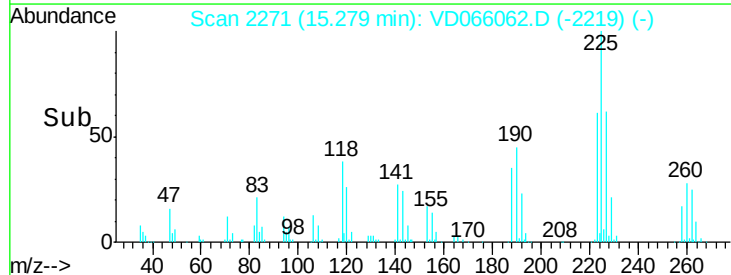
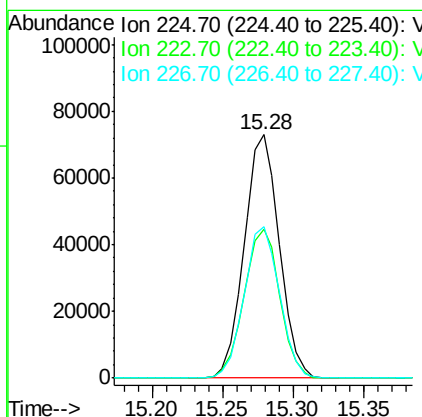
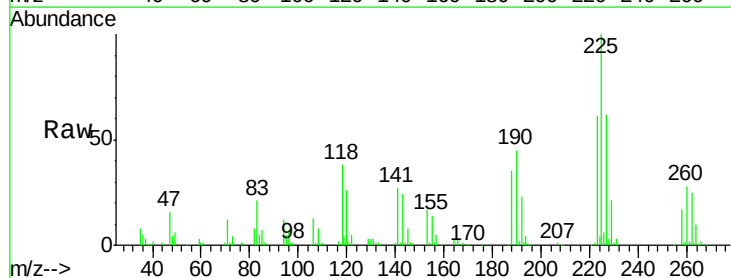
Manual Integrations
 APPROVED

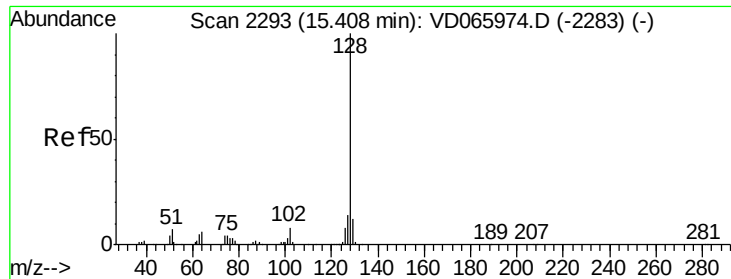
MMDadoda
 7/28/2020 1:44:05 PM



#94
 Hexachlorobutadiene
 Concen: 55.993 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066062.D
 Acq: 27 Jul 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126835		
223	62.5	31.2	93.6	
227	62.7	31.6	94.8	





#95

Naphthalene

Concen: 48.834 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

Instrument :

MSVOA_D

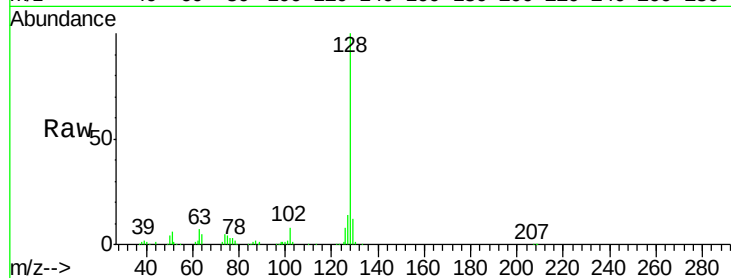
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	317610
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.8	16.2
129	11.4	8.9	13.3

Manual Integrations
APPROVED

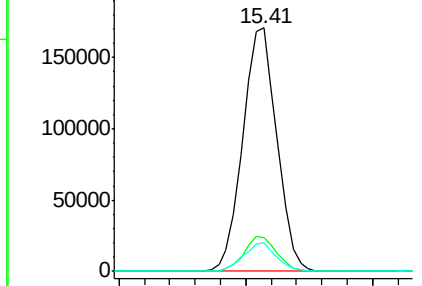
MMDadoda
7/28/2020 1:44:05 PM



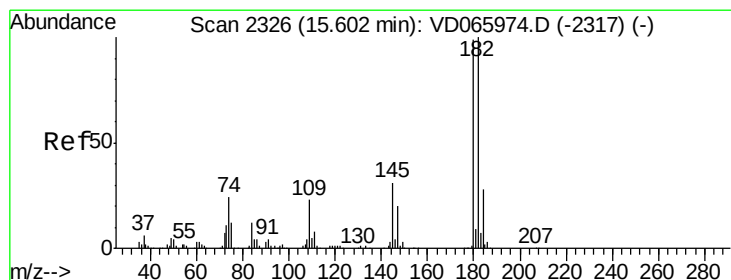
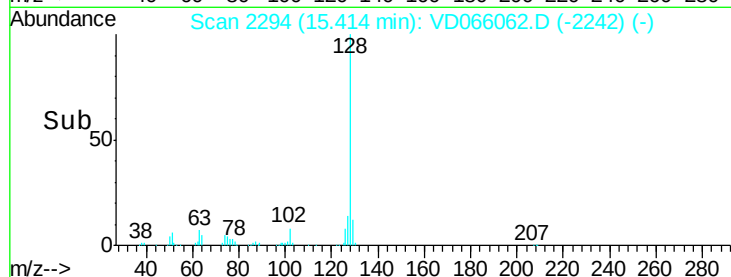
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 54.402 ug/l

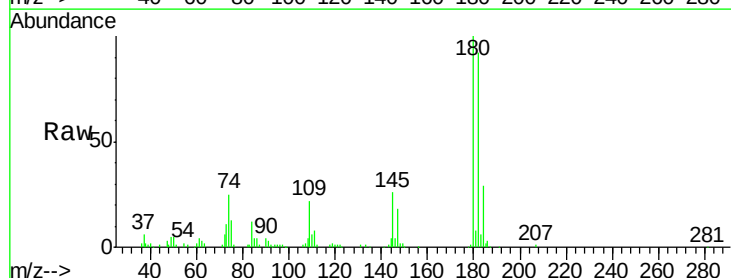
RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066062.D

Acq: 27 Jul 2020 11:40

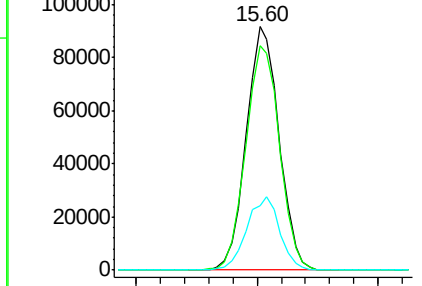
Tgt Ion:	180	Resp:	173285
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.6
145	30.1	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60 15.70

