

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073418.D
 Acq On : 27 May 2022 18:35
 Operator : VA/SY
 Sample : N3075-04
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 28 09:46:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	262306	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.867	114	566118	50.000	ug/l	# 0.01
63) Chlorobenzene-d5	11.643	117	573718	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	677605	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.238	65	682910	235.579	ug/l	-0.09
Spiked Amount	50.000	Range	50 - 163	Recovery	= 471.160%#	
35) Dibromofluoromethane	7.914	113	152449	40.810	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.620%	
50) Toluene-d8	10.361	98	12157796	882.892	ug/l	0.03
Spiked Amount	50.000	Range	49 - 140	Recovery	= 1765.780%#	
62) 4-Bromofluorobenzene	12.620	95	3466150	717.242	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 1434.480%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.162	50	185755	62.675	ug/l	# 68
5) Bromomethane	2.767	94	1046	Below Cal	#	51
6) Chloroethane	2.915	64	3049	1.830	ug/l	# 75
11) Tert butyl alcohol	5.220	59	19389	43.110	ug/l	# 74
13) Acrolein	3.867	56	5094966	30858.920	ug/l	# 14
14) Allyl chloride	4.814	41	13987625	3287.259	ug/l	# 80
15) Acrylonitrile	5.508	53	4938537	8201.683	ug/l	# 40
16) Acetone	4.138	43	9648900	19216.667	ug/l	# 58
18) Methyl Acetate	4.797	43	9935470	7115.975	ug/l	# 56
19) Methyl tert-butyl Ether	5.503	73	27704	4.613	ug/l	# 1
20) Methylene Chloride	4.814	84	4071163	1384.899	ug/l	# 13
22) Diisopropyl ether	6.385	45	32707	3.667	ug/l	# 1
23) Vinyl Acetate	6.356	43	4839541	1017.158	ug/l	# 80
24) 1,1-Dichloroethane	6.356	63	1111621	194.152	ug/l	# 82
25) 2-Butanone	7.220	43	3002665	4087.438	ug/l	# 54
26) 2,2-Dichloropropane	7.055	77	1458590	298.721	ug/l	# 54
28) Bromochloromethane	7.585	49	29898	15.157	ug/l	# 19
29) Tetrahydrofuran	7.579	42	457555	963.253	ug/l	# 38
30) Chloroform	7.691	83	29065528	4862.544	ug/l	# 18
31) Cyclohexane	7.873	56	4143540	817.943	ug/l	# 1
32) 1,1,1-Trichloroethane	7.832	97	13978	2.674	ug/l	# 1
36) 1,1-Dichloropropene	7.991	75	76474	13.612	ug/l	# 43
37) Ethyl Acetate	7.220	43	3002665	1353.041	ug/l	# 72
38) Carbon Tetrachloride	7.979	117	27172	4.771	ug/l	# 18
39) Methylcyclohexane	9.549	83	7810665	1247.440	ug/l	# 1
41) Methacrylonitrile	7.579	41	6262552	4843.533	ug/l	# 59
42) 1,2-Dichloroethane	8.485	62	345243	76.629	ug/l	# 1
43) Isopropyl Acetate	8.473	43	21208664	5170.453	ug/l	# 54
45) 1,2-Dichloropropane	9.355	63	840475	206.111	ug/l	# 1
46) Dibromomethane	9.508	93	32085	14.326	ug/l	# 1
47) Bromodichloromethane	9.661	83	16094431	2808.590	ug/l	# 28
48) Methyl methacrylate	9.555	41	23728202	11497.818	ug/l	# 50
49) 1,4-Dioxane	9.432	88	1571	67.925	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.291	43	2623037	1231.216	ug/l	# 66
52) Toluene	10.414	92	11472774	1121.258	ug/l	# 90
53) t-1,3-Dichloropropene	10.649	75	15486	2.991	ug/l	# 1

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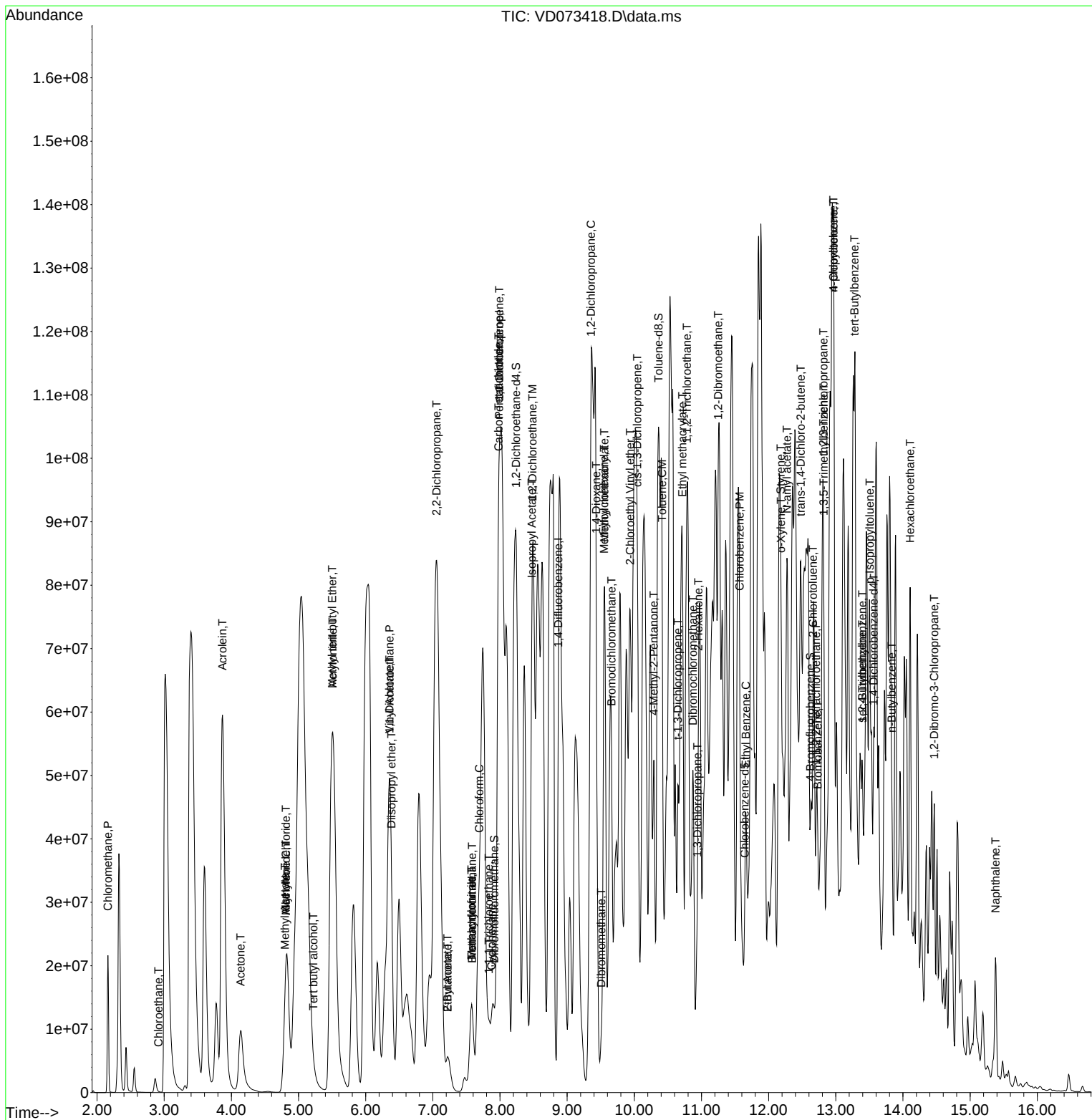
Instrument :
 MSVOA_D
 ClientSampleId :

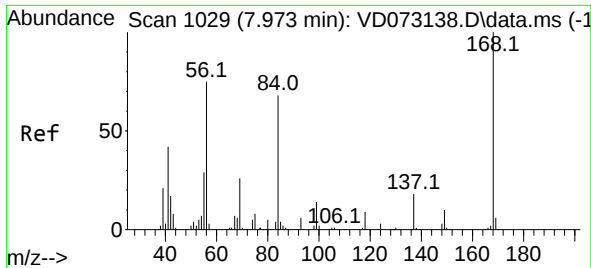
Quant Time: May 28 09:46:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
54) cis-1,3-Dichloropropene	10.044	75	27241	4.397	ug/l #	1	
55) 1,1,2-Trichloroethane	10.785	97	2874245	949.061	ug/l #	24	
56) Ethyl methacrylate	10.714	69	18694448	5551.883	ug/l	98	
57) 1,3-Dichloropropane	10.938	76	17452	3.434	ug/l #	1	
58) 2-Chloroethyl Vinyl ether	9.938	63	449235	278.145	ug/l #	48	
59) 2-Hexanone	10.955	43	3293530	2344.866	ug/l	96	
60) Dibromochloromethane	10.873	129	24907	6.596	ug/l	96	
61) 1,2-Dibromoethane	11.249	107	143676	49.647	ug/l #	3	
65) Chlorobenzene	11.567	112	737548	62.665	ug/l #	49	
67) Ethyl Benzene	11.661	91	404270	19.567	ug/l #	46	
69) o-Xylene	12.185	106	8250810	1118.873	ug/l	88	
70) Styrene	12.179	104	429825	33.879	ug/l #	1	
74) N-amyl acetate	12.273	43	16375333	1553.922	ug/l #	62	
75) 1,1,2,2-Tetrachloroethane	12.708	83	1187355	133.274	ug/l #	74	
76) 1,2,3-Trichloropropane	12.814	75	452584	68.073	ug/l #	100	
77) Bromobenzene	12.732	156	30919	2.719	ug/l #	1	
78) n-propylbenzene	12.967	91	6390175	105.371	ug/l	98	
79) 2-Chlorotoluene	12.661	91	588854	16.817	ug/l	89	
80) 1,3,5-Trimethylbenzene	12.820	105	2843320	69.485	ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.479	75	436898	157.759	ug/l #	1	
82) 4-Chlorotoluene	12.967	91	6390175	174.111	ug/l #	47	
83) tert-Butylbenzene	13.279	119	19157082	555.484	ug/l #	69	
84) 1,2,4-Trimethylbenzene	13.396	105	10965304	271.252	ug/l #	32	
85) sec-Butylbenzene	13.396	105	10969252	208.307	ug/l #	56	
86) p-Isopropyltoluene	13.508	119	13015976	303.220	ug/l	92	
89) n-Butylbenzene	13.832	91	10785780	263.710	ug/l #	59	
90) Hexachloroethane	14.108	117	3877070	436.508	ug/l #	17	
92) 1,2-Dibromo-3-Chloropr...	14.467	75	125845	92.239	ug/l #	7	
95) Naphthalene	15.379	128	16394431	690.522	ug/l #	95	

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

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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

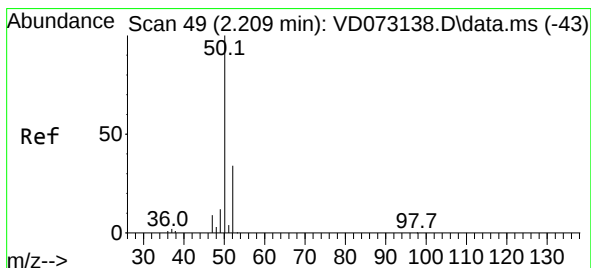
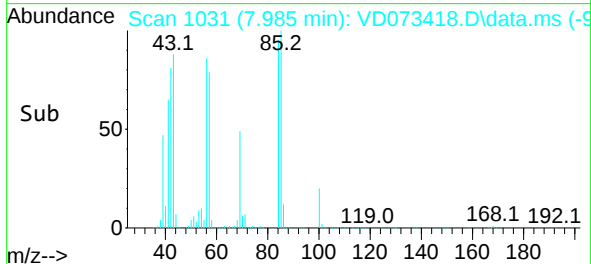
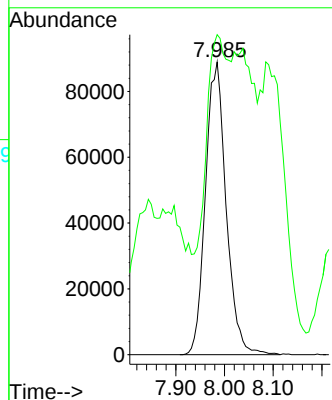
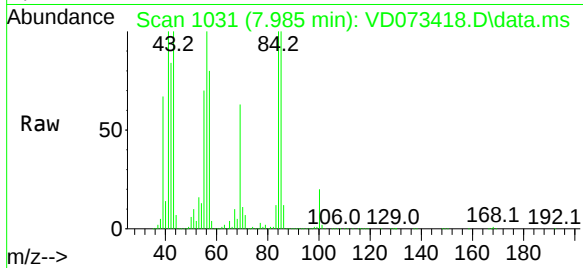




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

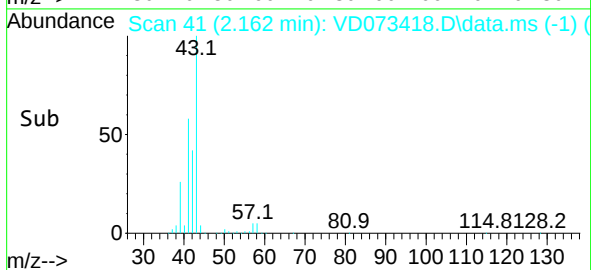
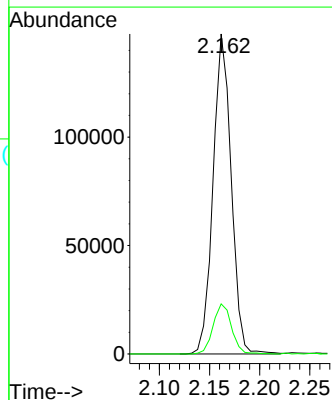
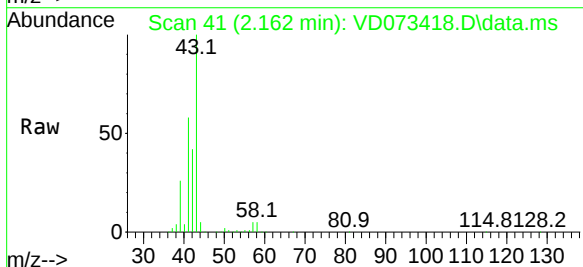
Instrument :
MSVOA_D
ClientSampleId :

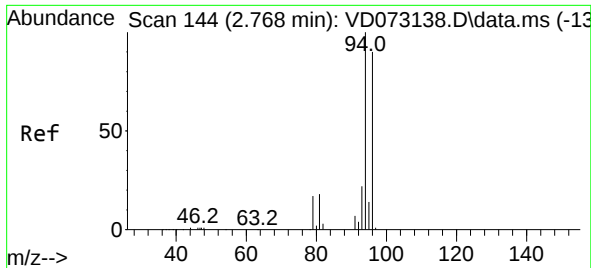
Tgt Ion:168 Resp: 262306
Ion Ratio Lower Upper
168 100
99 65.8 49.8 74.6



#3
Chloromethane
Concen: 62.675 ug/l
RT: 2.162 min Scan# 41
Delta R.T. -0.047 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 50 Resp: 185755
Ion Ratio Lower Upper
50 100
52 15.7 27.4 41.0#

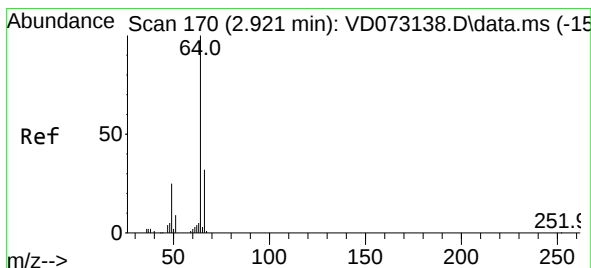
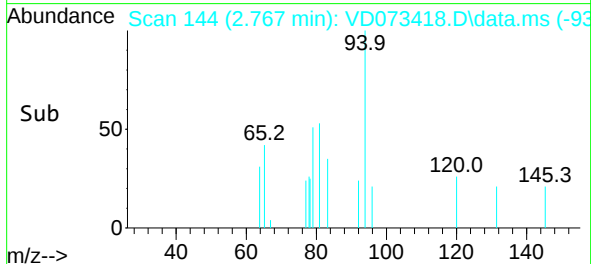
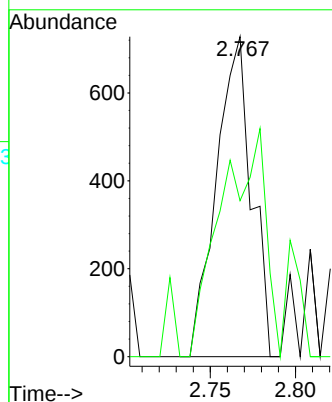
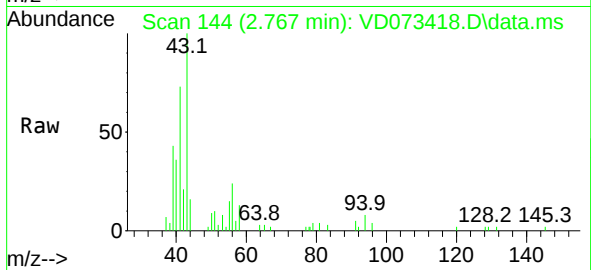




#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

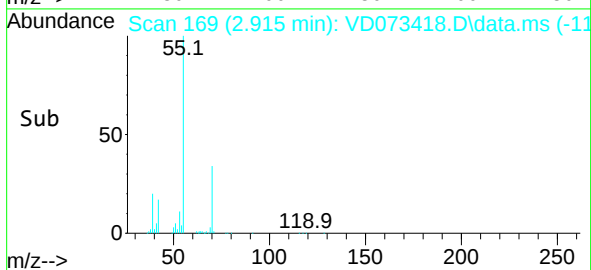
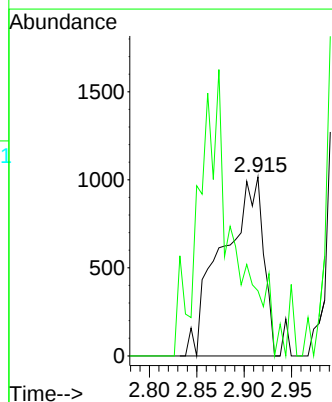
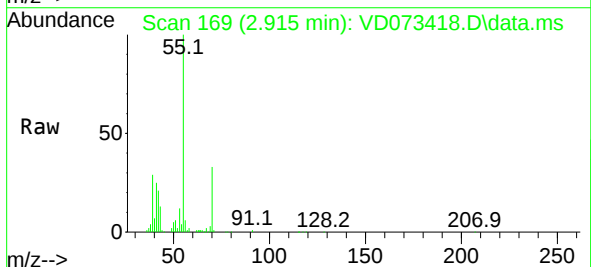
Instrument :
MSVOA_D
ClientSampleId :

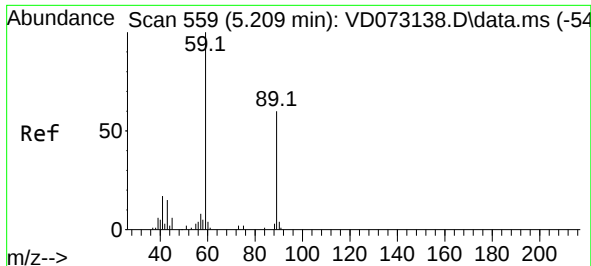
Tgt Ion: 94 Resp: 1046
Ion Ratio Lower Upper
94 100
96 48.8 77.6 116.4#



#6
Chloroethane
Concen: 1.830 ug/l
RT: 2.915 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

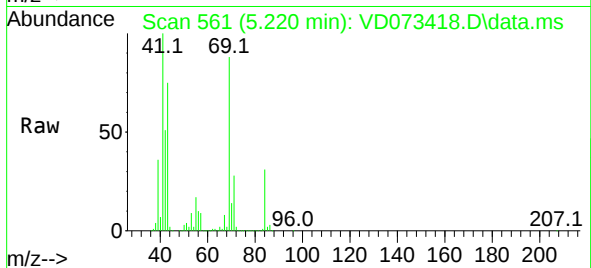
Tgt Ion: 64 Resp: 3049
Ion Ratio Lower Upper
64 100
66 18.5 25.9 38.9#



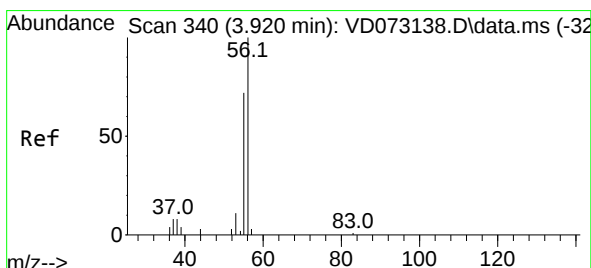
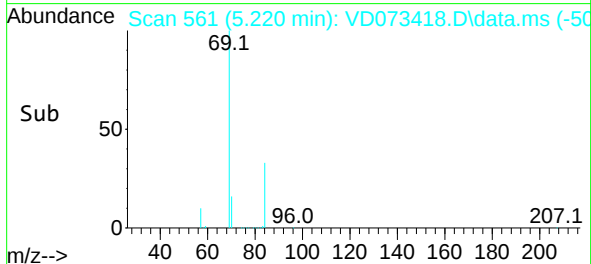
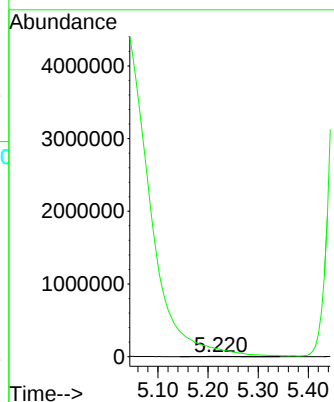


#11
Tert butyl alcohol
Concen: 43.110 ug/l
RT: 5.220 min Scan# 50
Delta R.T. 0.011 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :

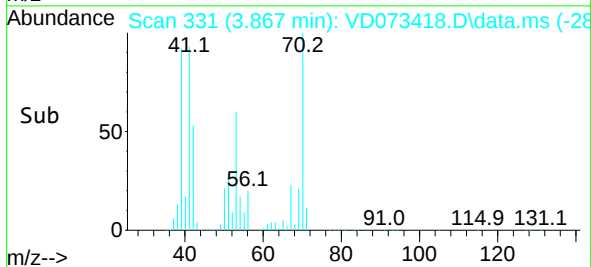
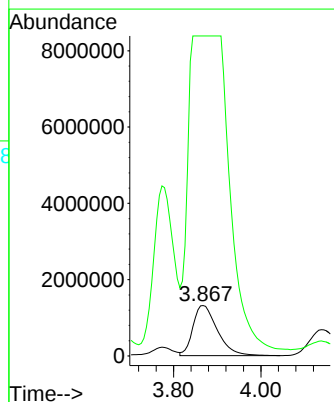
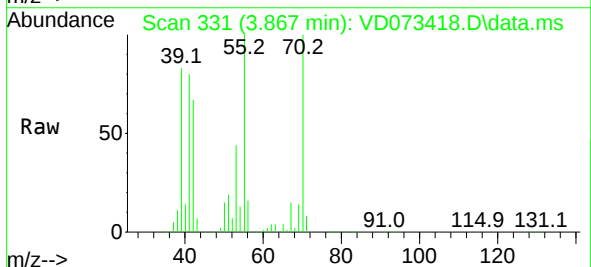


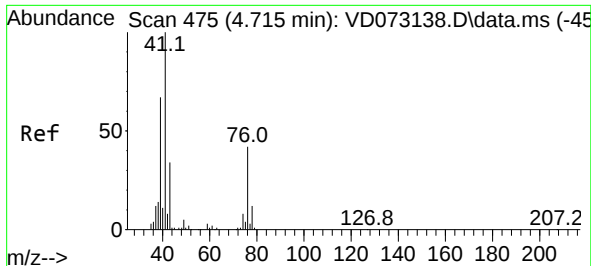
Tgt Ion: 59 Resp: 19389
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 30858.920 ug/l
RT: 3.867 min Scan# 331
Delta R.T. -0.053 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

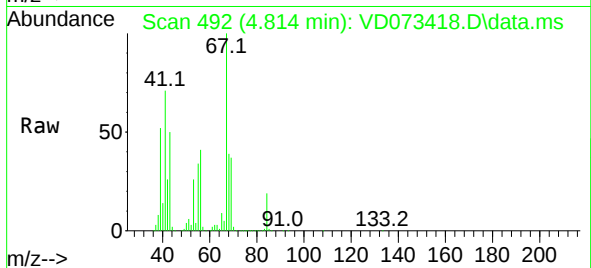
Tgt Ion: 56 Resp: 5094966
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#





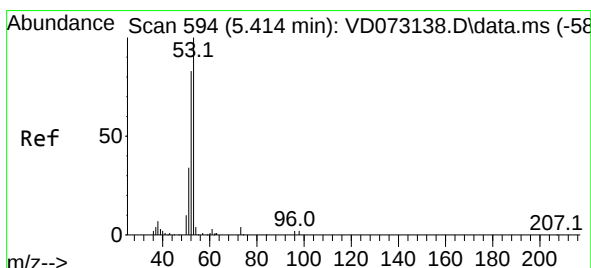
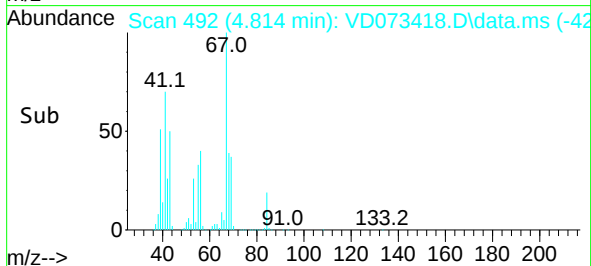
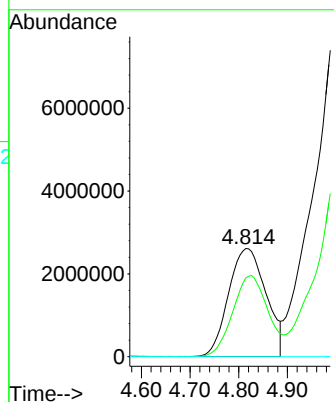
#14
 Allyl chloride
 Concen: 3287.259 ug/l
 RT: 4.814 min Scan# 492
 Delta R.T. 0.099 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 41 Resp:13987625

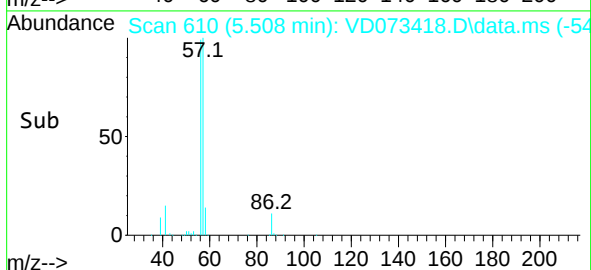
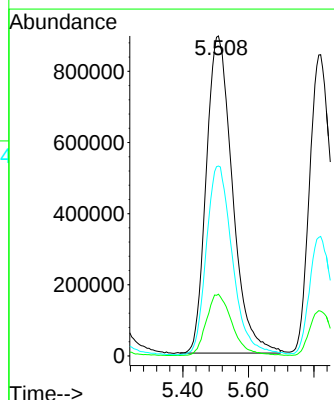
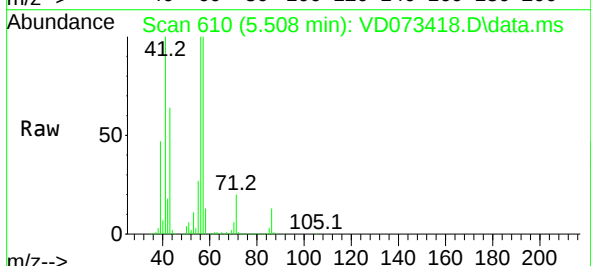
Ion	Ratio	Lower	Upper
41	100		
39	70.4	59.3	88.9
76	0.0	25.7	38.5

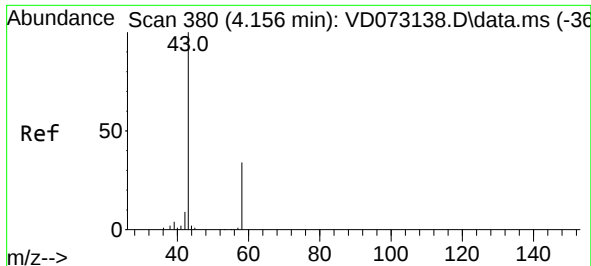


#15
 Acrylonitrile
 Concen: 8201.683 ug/l
 RT: 5.508 min Scan# 610
 Delta R.T. 0.094 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35

Tgt Ion: 53 Resp: 4938537

Ion	Ratio	Lower	Upper
53	100		
52	19.2	67.2	100.8
51	59.4	30.3	45.5

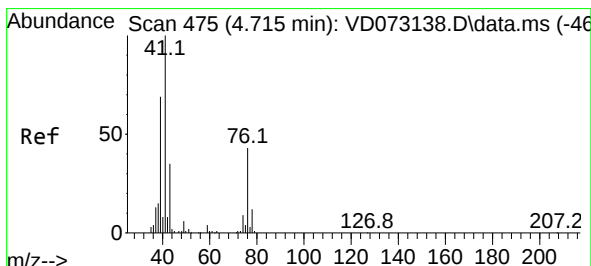
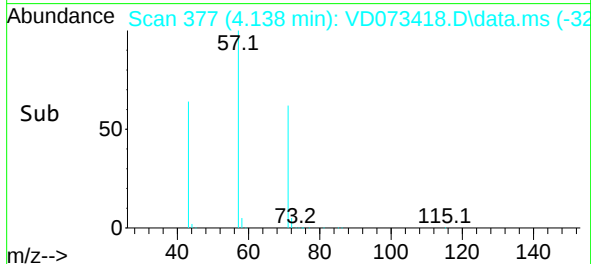
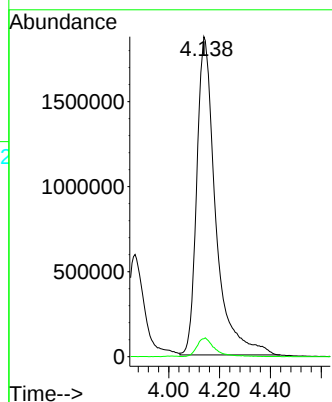
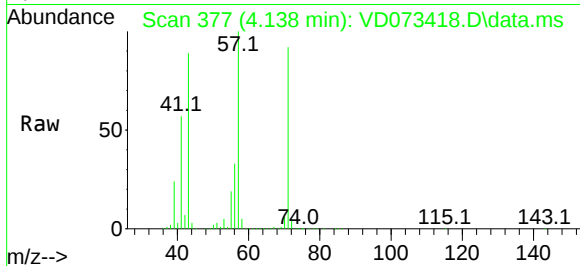




#16
Acetone
Concen: 19216.667 ug/l
RT: 4.138 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

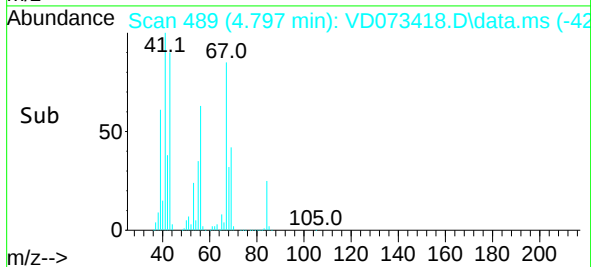
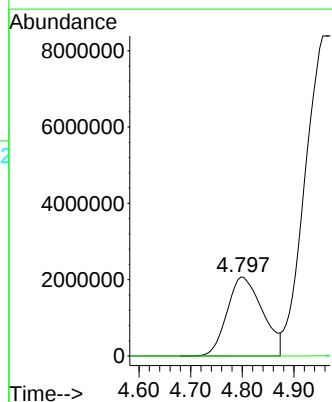
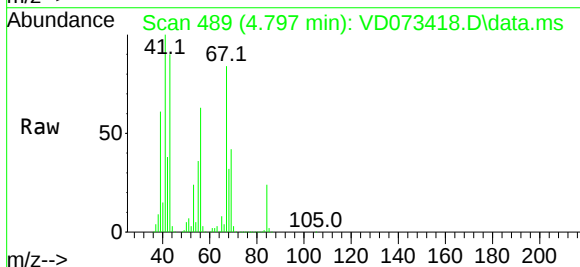
Instrument :
MSVOA_D
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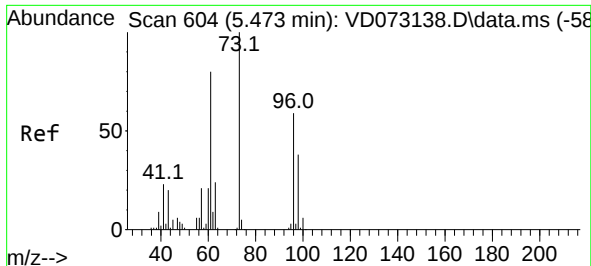
Tgt Ion: 43 Resp: 9648900
Ion Ratio Lower Upper
43 100
58 5.6 22.1 33.1#



#18
Methyl Acetate
Concen: 7115.975 ug/l
RT: 4.797 min Scan# 489
Delta R.T. 0.082 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 43 Resp: 9935470
Ion Ratio Lower Upper
43 100
74 0.3 16.7 25.1#

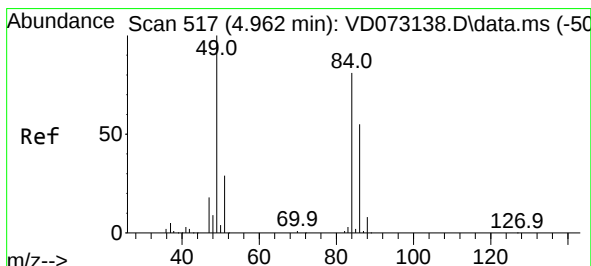
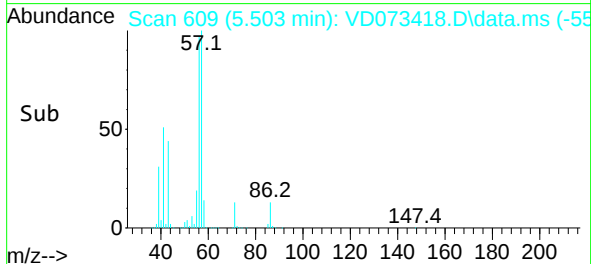
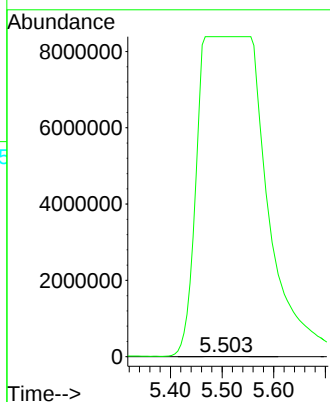
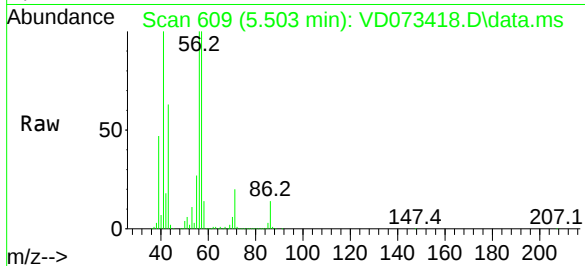




#19
Methyl tert-butyl Ether
Concen: 4.613 ug/l
RT: 5.503 min Scan# 604
Delta R.T. 0.030 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

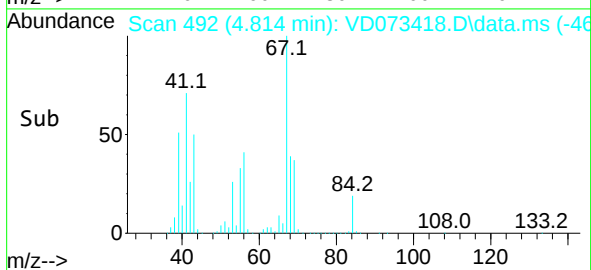
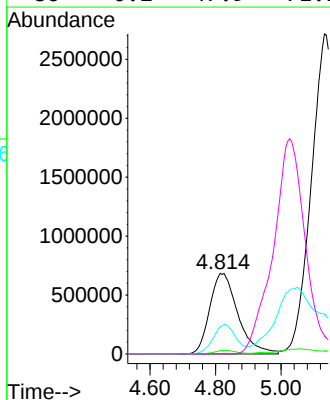
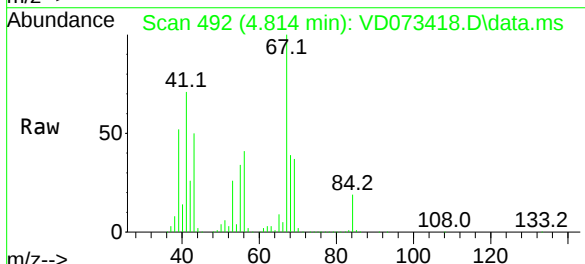
Instrument :
MSVOA_D
ClientSampleId :

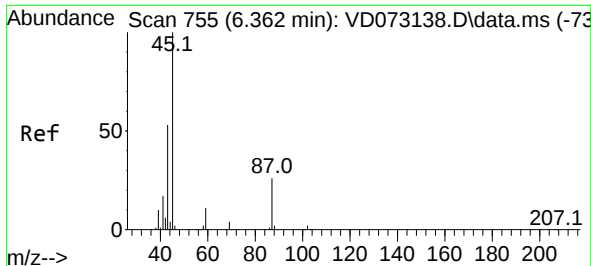
Tgt Ion: 73 Resp: 27704
Ion Ratio Lower Upper
73 100
57 162440.7 18.0 27.0#



#20
Methylene Chloride
Concen: 1384.899 ug/l
RT: 4.814 min Scan# 492
Delta R.T. -0.148 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

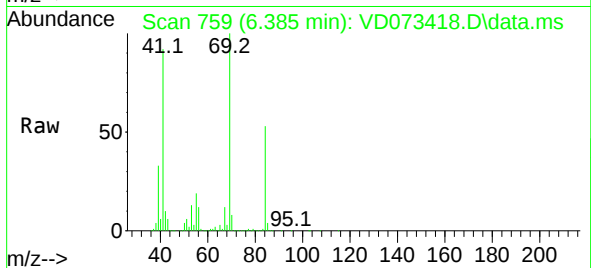
Tgt Ion: 84 Resp: 4071163
Ion Ratio Lower Upper
84 100
49 4.3 112.8 169.2#
51 33.8 32.6 48.8
86 0.2 47.9 71.9#



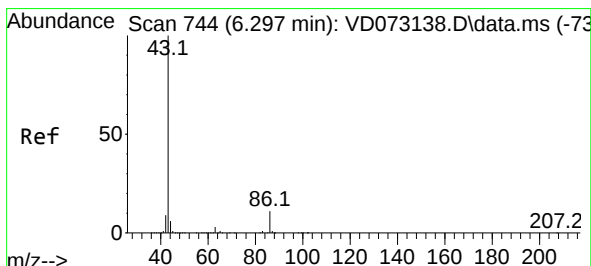
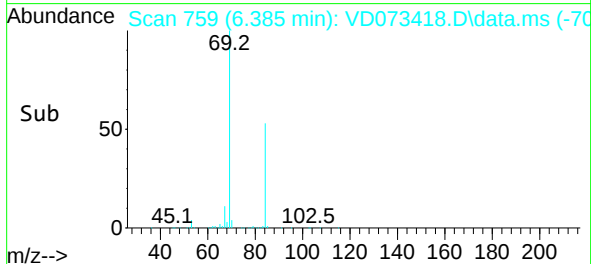
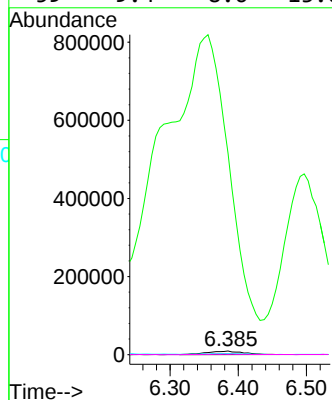


#22
Diisopropyl ether
Concen: 3.667 ug/l
RT: 6.385 min Scan# 755
Delta R.T. 0.023 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :

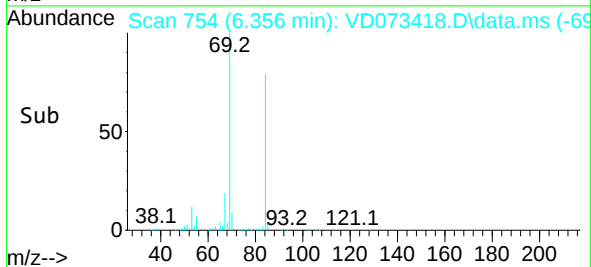
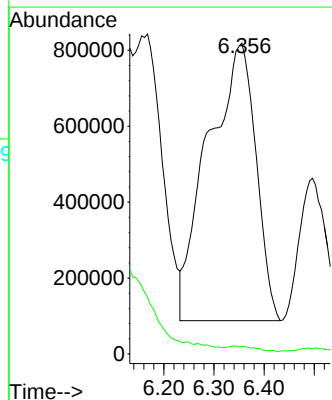
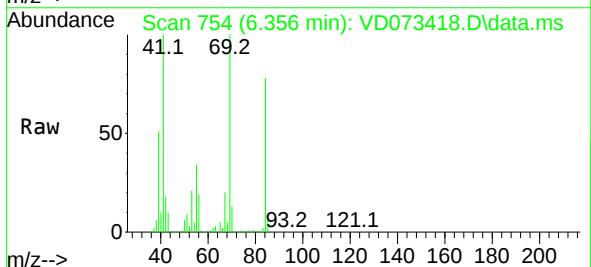


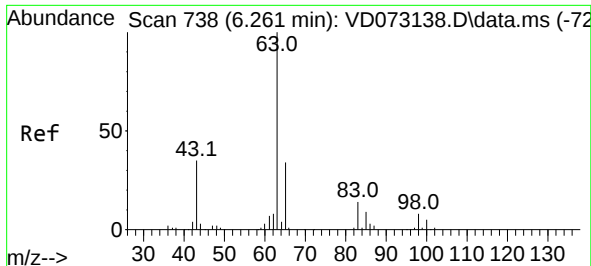
Tgt Ion: 45 Resp: 32707
Ion Ratio Lower Upper
45 100
43 3334.5 46.6 70.0#
87 26.1 18.4 27.6
59 9.4 8.6 13.0



#23
Vinyl Acetate
Concen: 1017.158 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.059 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 43 Resp: 4839541
Ion Ratio Lower Upper
43 100
86 1.7 7.1 10.7#





#24

1,1-Dichloroethane

Concen: 194.152 ug/l

RT: 6.356 min Scan# 711

Delta R.T. 0.095 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

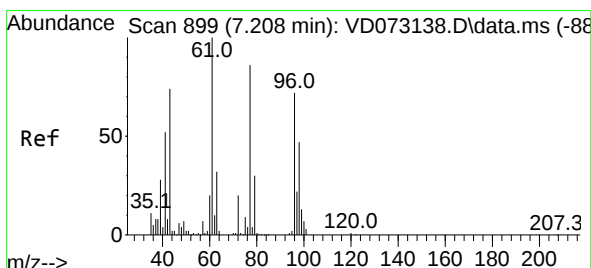
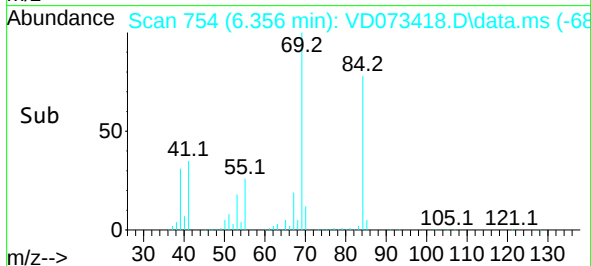
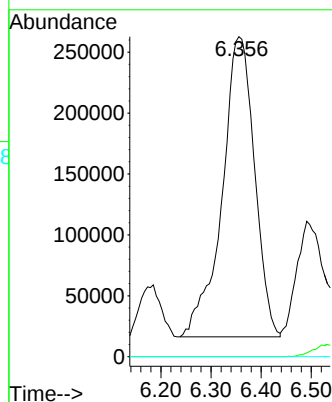
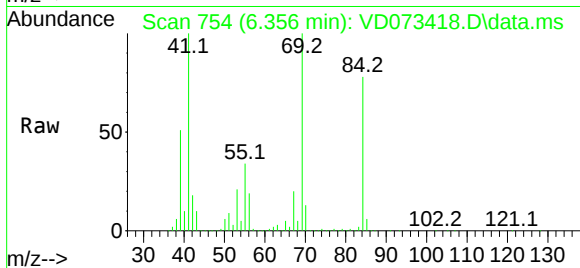
Tgt Ion: 63 Resp: 1111621

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.1 6.5#



#25

2-Butanone

Concen: 4087.438 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.012 min

Lab File: VD073418.D

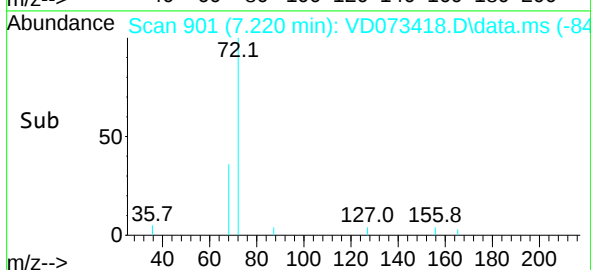
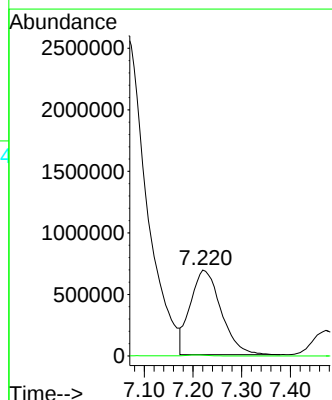
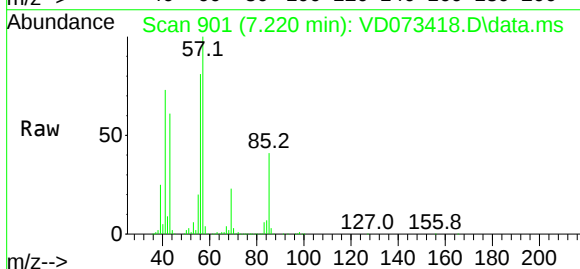
Acq: 27 May 2022 18:35

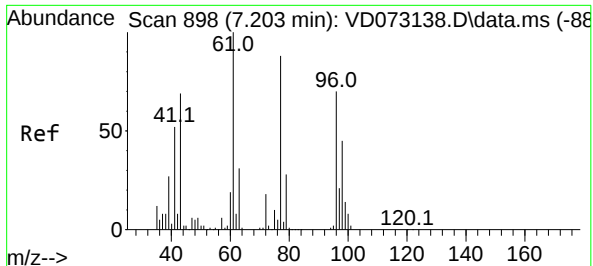
Tgt Ion: 43 Resp: 3002665

Ion Ratio Lower Upper

43 100

72 1.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 298.721 ug/l

RT: 7.055 min Scan# 81

Delta R.T. -0.148 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

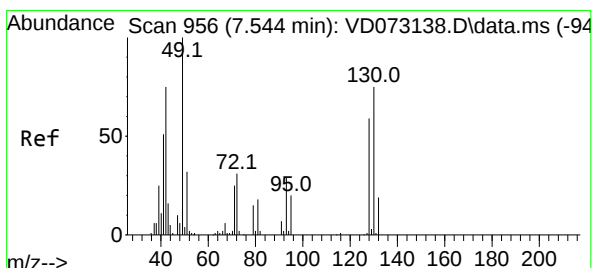
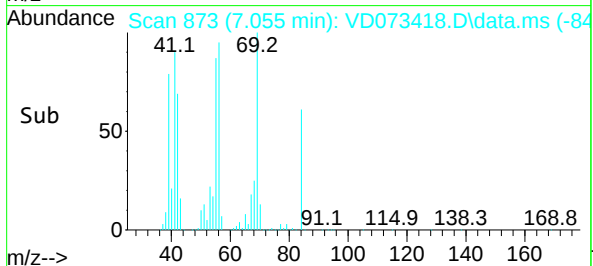
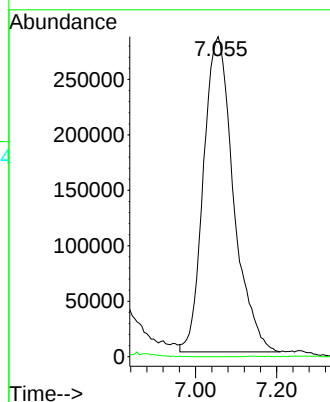
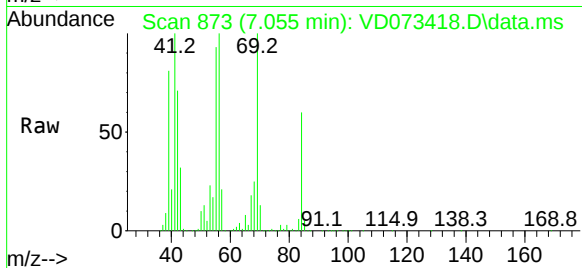
ClientSampleId :

Tgt Ion: 77 Resp: 1458590

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#28

Bromochloromethane

Concen: 15.157 ug/l

RT: 7.585 min Scan# 963

Delta R.T. 0.041 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

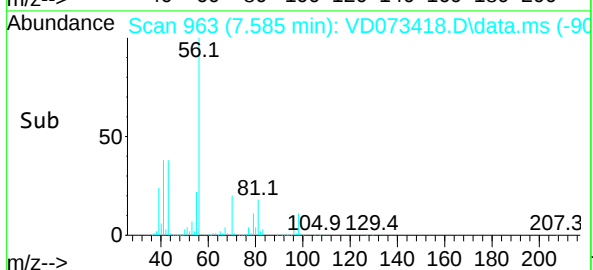
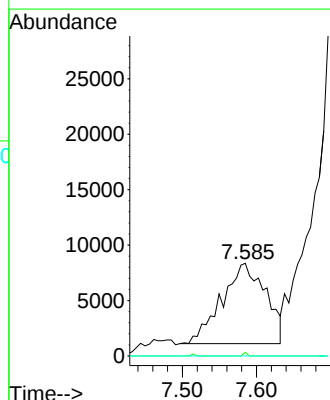
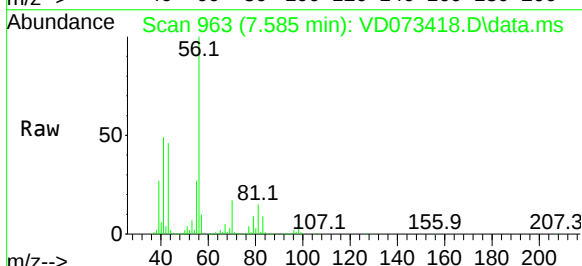
Tgt Ion: 49 Resp: 29898

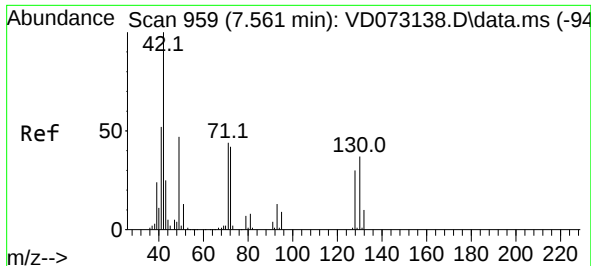
Ion Ratio Lower Upper

49 100

129 0.4 0.0 4.0

130 0.0 52.6 79.0#





#29

Tetrahydrofuran

Concen: 963.253 ug/l

RT: 7.579 min Scan# 90

Delta R.T. 0.018 min

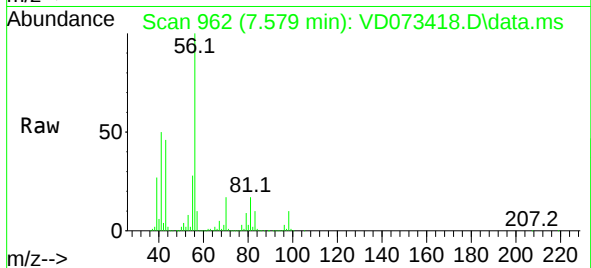
Lab File: VD073418.D

Acq: 27 May 2022 18:35

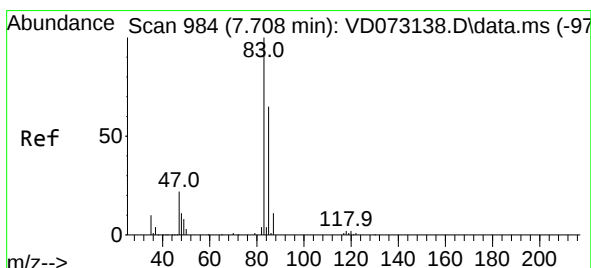
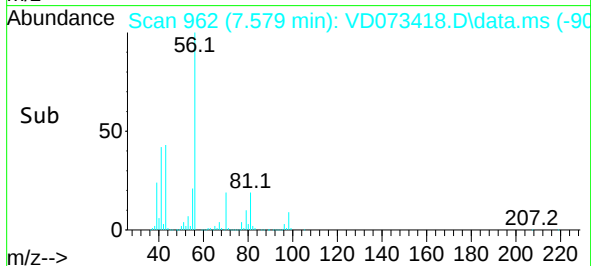
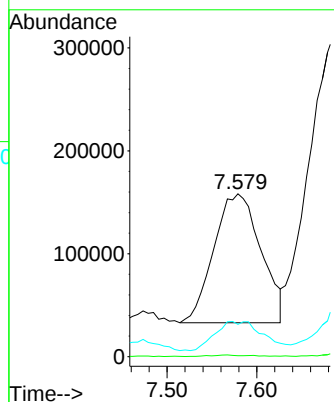
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	457555
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#



#30

Chloroform

Concen: 4862.544 ug/l

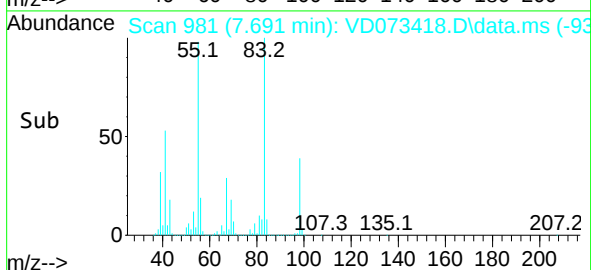
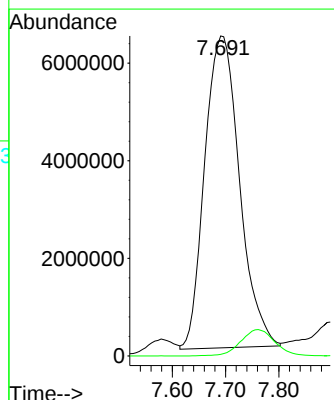
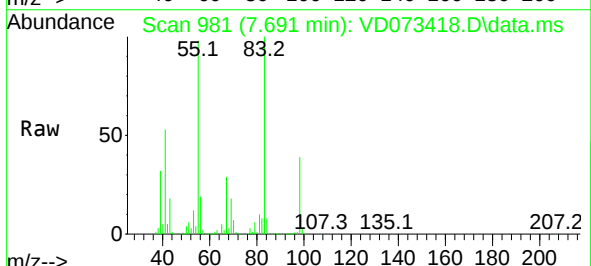
RT: 7.691 min Scan# 981

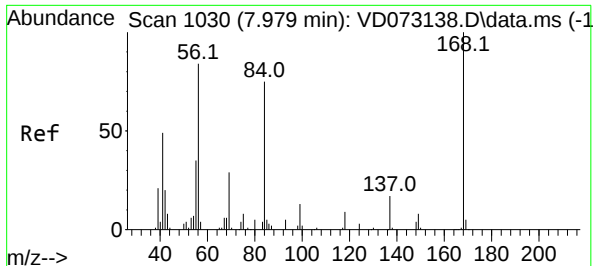
Delta R.T. -0.017 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

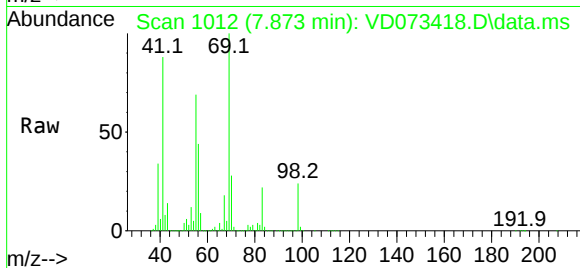
Tgt Ion:	83	Resp:	29065528
Ion Ratio	Lower	Upper	
83	100		
85	0.5	52.7	79.1#



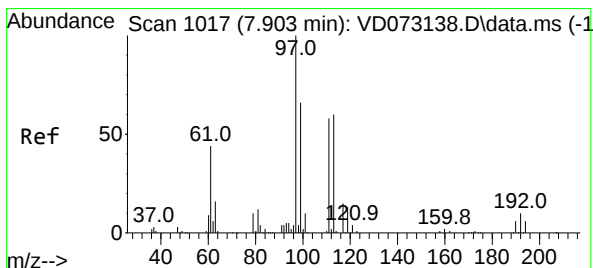
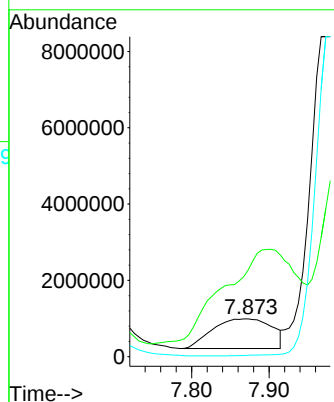
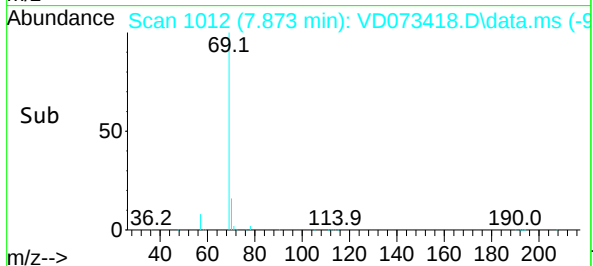


#31
Cyclohexane
Concen: 817.943 ug/l
RT: 7.873 min Scan# 1012
Delta R.T. -0.106 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

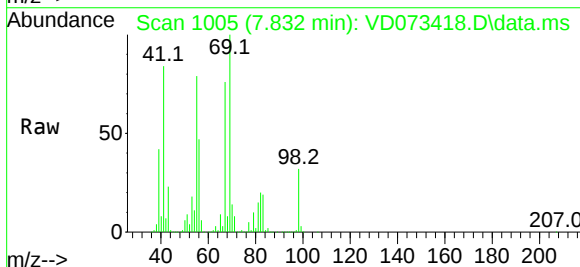
Instrument :
MSVOA_D
ClientSampleId :



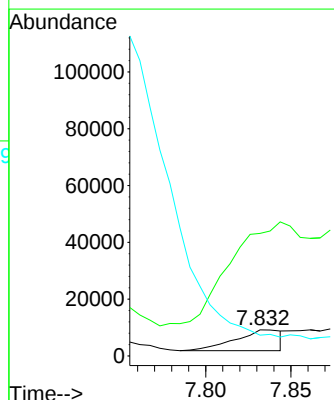
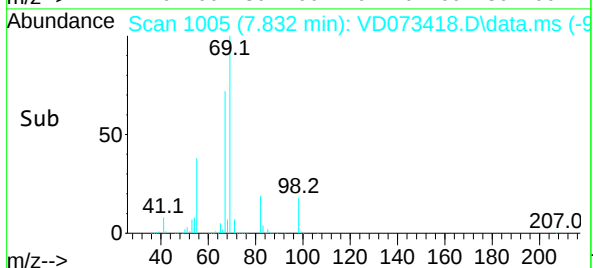
Tgt Ion: 56 Resp: 4143540
Ion Ratio Lower Upper
56 100
69 237.2 25.4 38.2#
84 0.3 63.0 94.4#

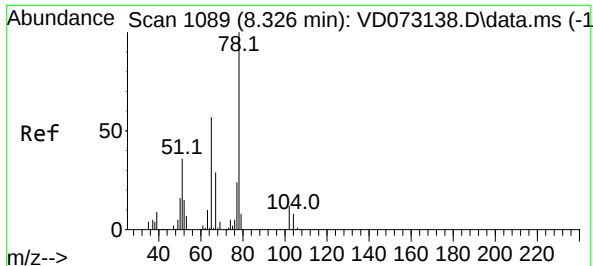


#32
1,1,1-Trichloroethane
Concen: 2.674 ug/l
RT: 7.832 min Scan# 1005
Delta R.T. -0.071 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35



Tgt Ion: 97 Resp: 13978
Ion Ratio Lower Upper
97 100
99 770.5 52.4 78.6#
61 0.0 38.0 57.0#





#33

1,2-Dichloroethane-d4

Concen: 235.579 ug/l

RT: 8.238 min Scan# 1089

Delta R.T. -0.088 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

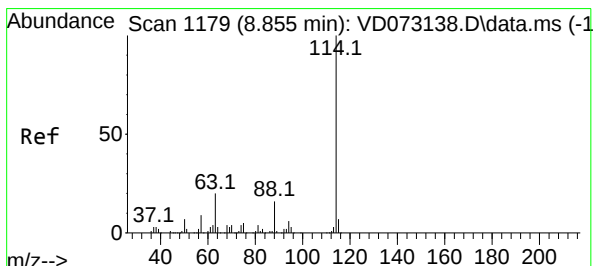
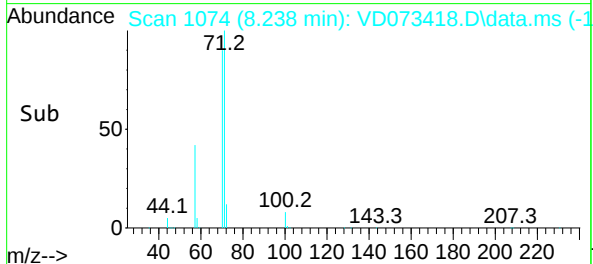
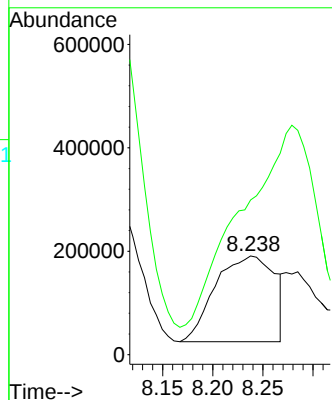
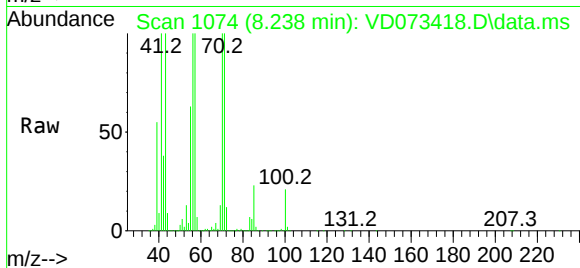
ClientSampleId :

Tgt Ion: 65 Resp: 682910

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.012 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

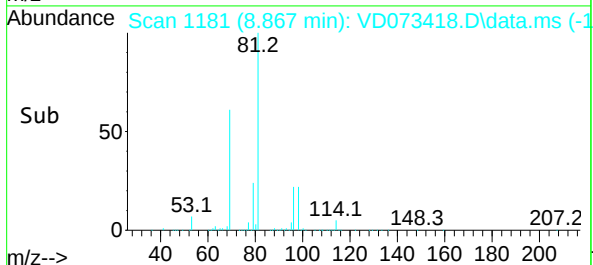
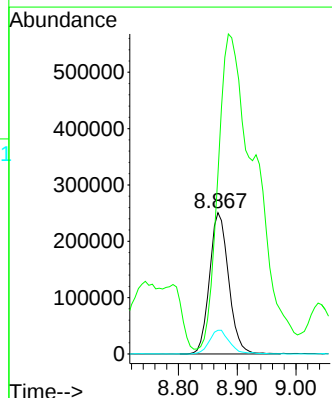
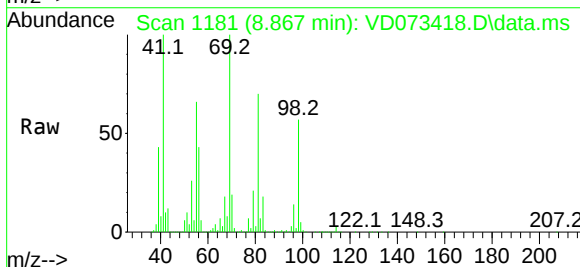
Tgt Ion:114 Resp: 566118

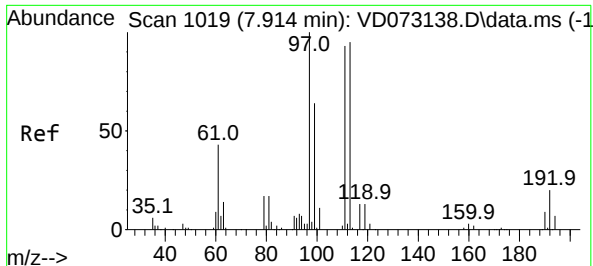
Ion Ratio Lower Upper

114 100

63 96.0 0.0 46.6#

88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 40.810 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

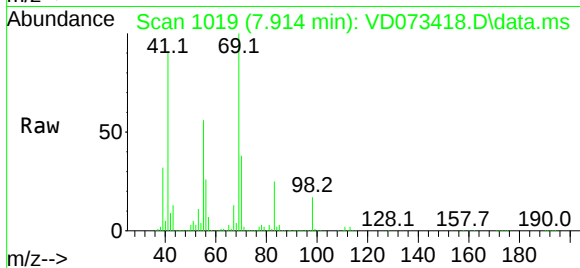
Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :



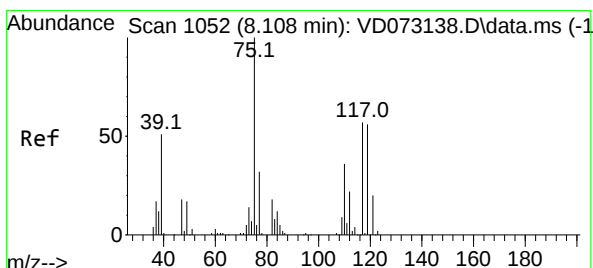
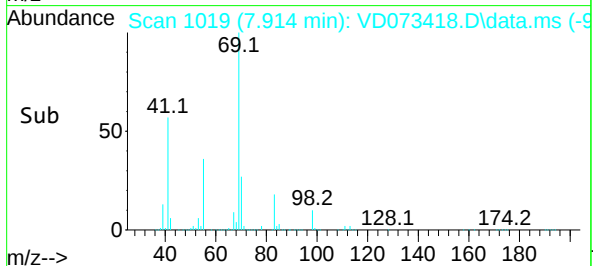
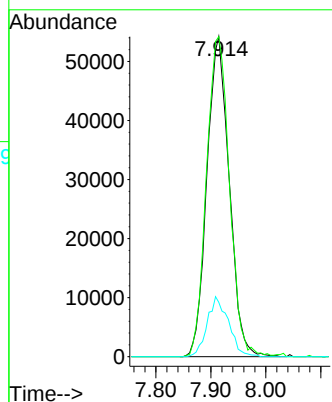
Tgt Ion:113 Resp: 152449

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 13.612 ug/l

RT: 7.991 min Scan# 1032

Delta R.T. -0.117 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

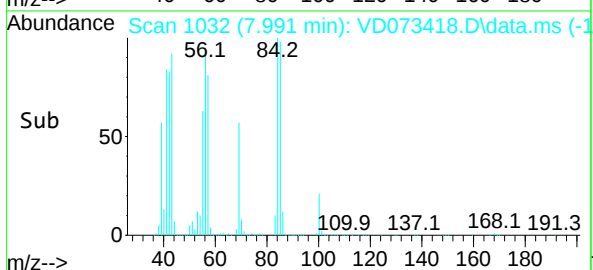
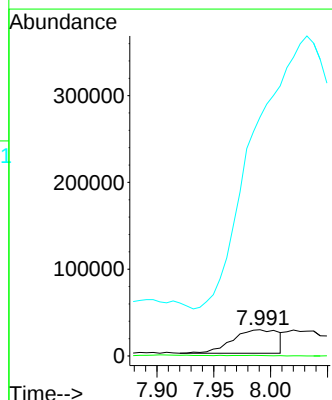
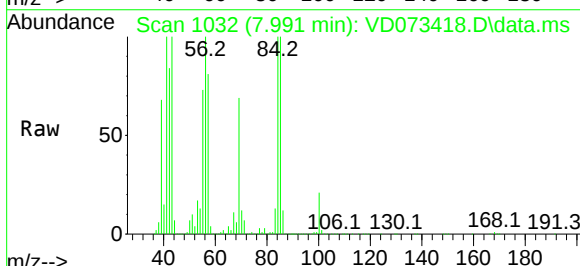
Tgt Ion: 75 Resp: 76474

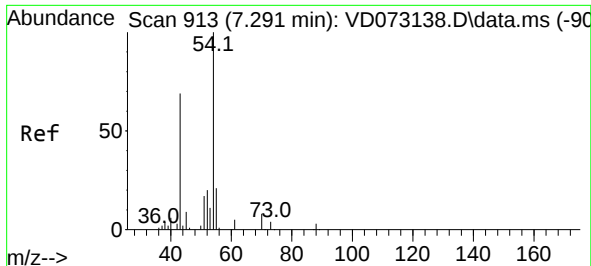
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1353.041 ug/l

RT: 7.220 min Scan# 90

Delta R.T. -0.071 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

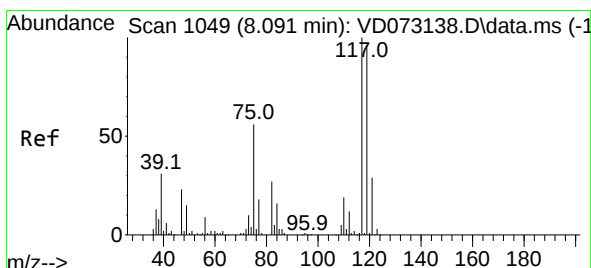
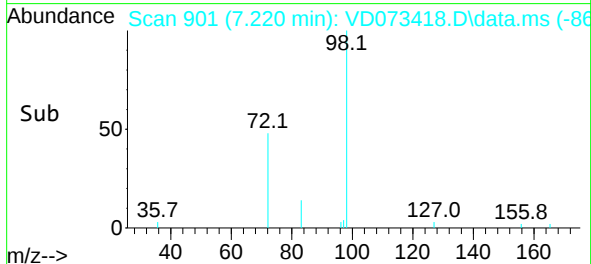
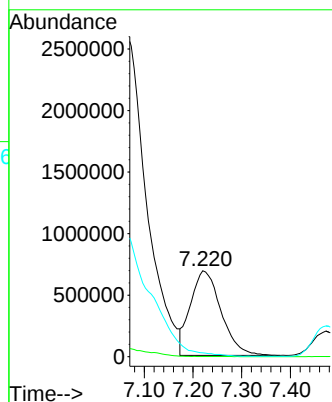
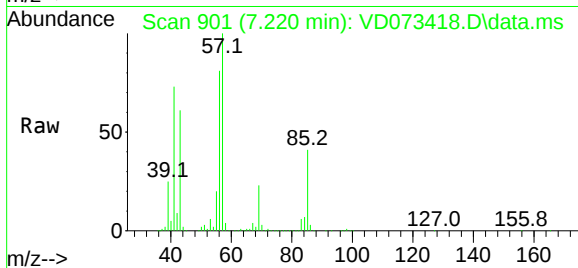
Tgt Ion: 43 Resp: 3002665

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.771 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

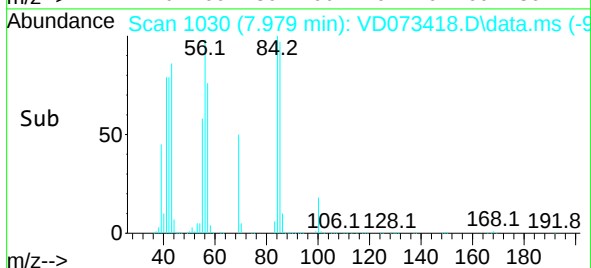
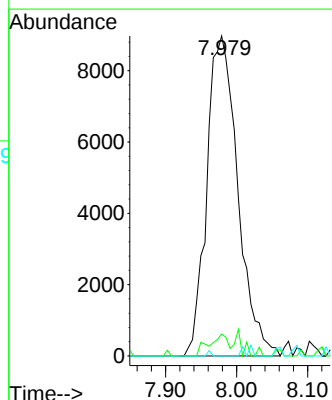
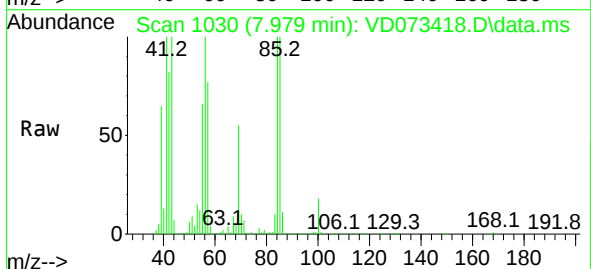
Tgt Ion: 117 Resp: 27172

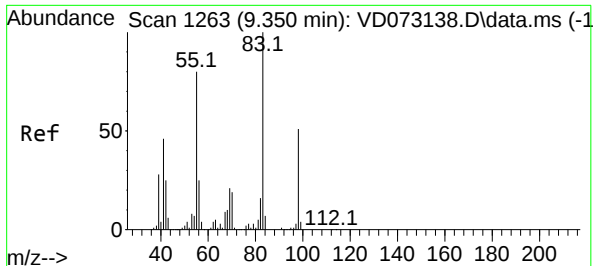
Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 1247.440 ug/l

RT: 9.549 min Scan# 11

Delta R.T. 0.199 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

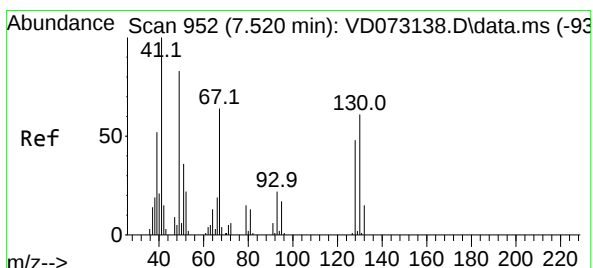
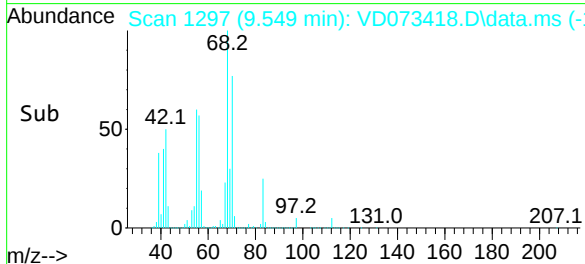
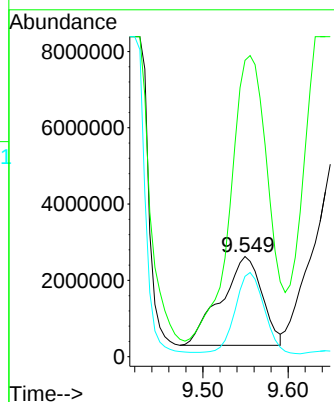
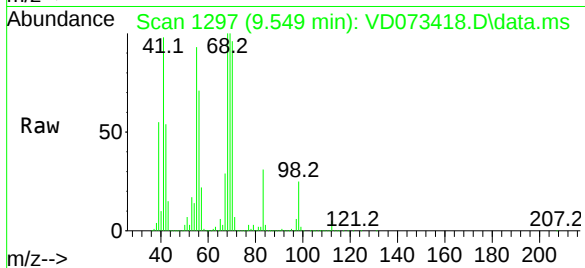
Tgt Ion: 83 Resp: 7810665

Ion Ratio Lower Upper

83 100

55 314.5 63.2 94.8#

98 84.8 38.2 57.4#



#41

Methacrylonitrile

Concen: 4843.533 ug/l

RT: 7.579 min Scan# 962

Delta R.T. 0.059 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Tgt Ion: 41 Resp: 6262552

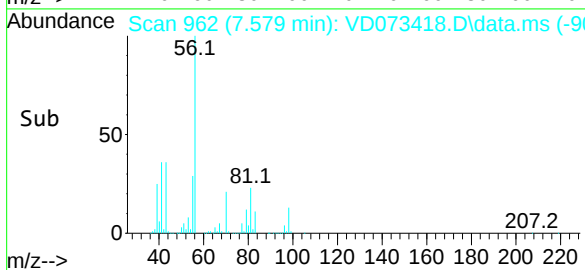
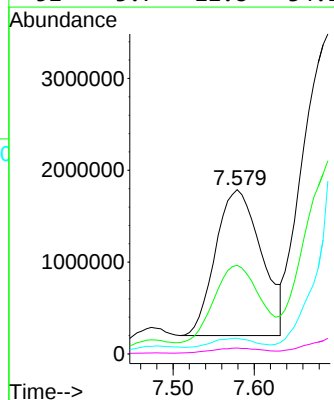
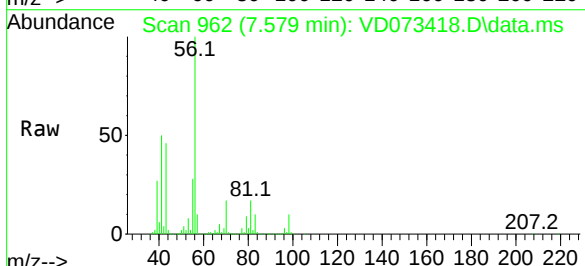
Ion Ratio Lower Upper

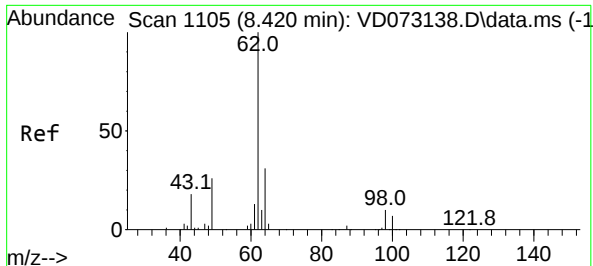
41 100

39 52.2 44.6 67.0

67 5.9 48.2 72.4#

52 3.7 22.8 34.2#





#42

1,2-Dichloroethane

Concen: 76.629 ug/l

RT: 8.485 min Scan# 1116

Delta R.T. 0.065 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

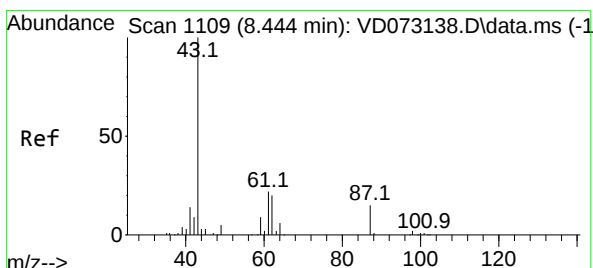
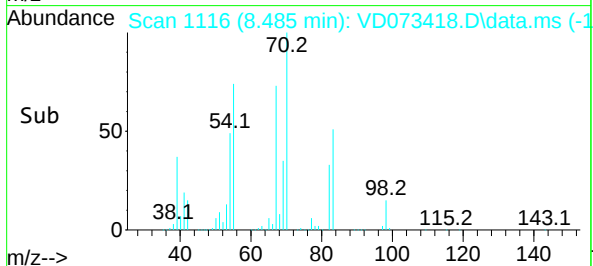
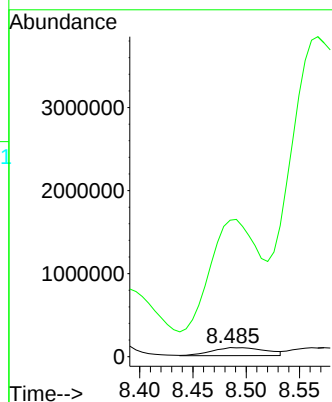
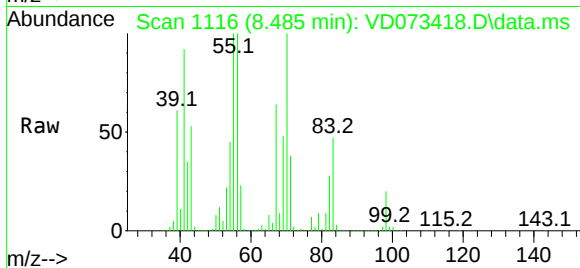
ClientSampleId :

Tgt Ion: 62 Resp: 345243

Ion Ratio Lower Upper

62 100

98 1239.1 0.0 17.6#



#43

Isopropyl Acetate

Concen: 5170.453 ug/l

RT: 8.473 min Scan# 1114

Delta R.T. 0.029 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

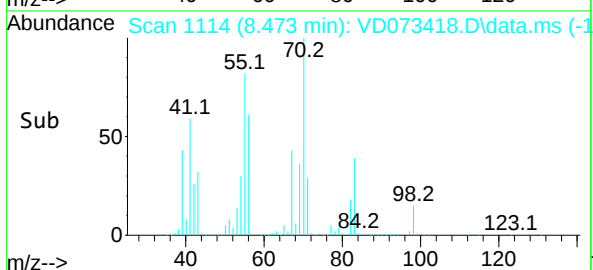
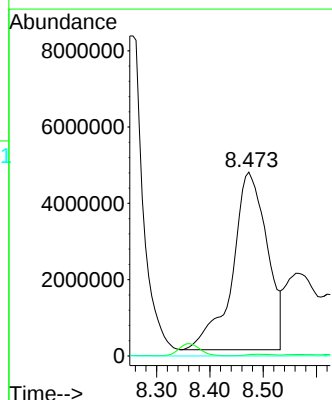
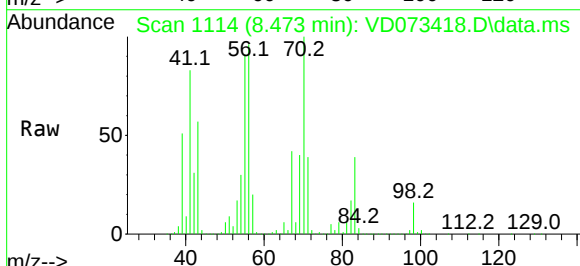
Tgt Ion: 43 Resp: 21208664

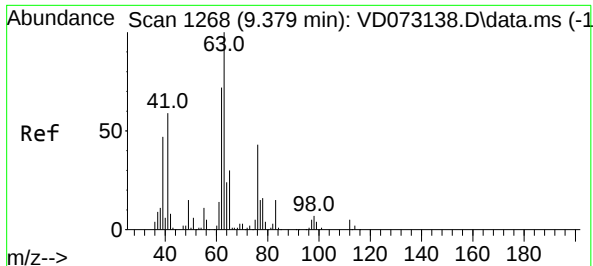
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#





#45

1,2-Dichloropropane

Concen: 206.111 ug/l

RT: 9.355 min Scan# 11

Delta R.T. -0.024 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

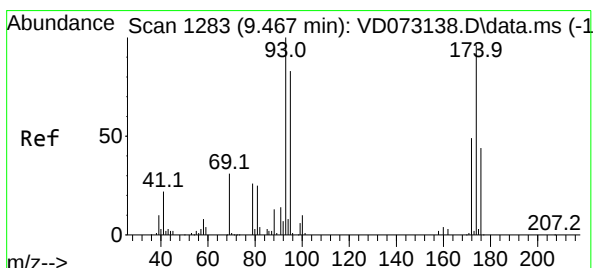
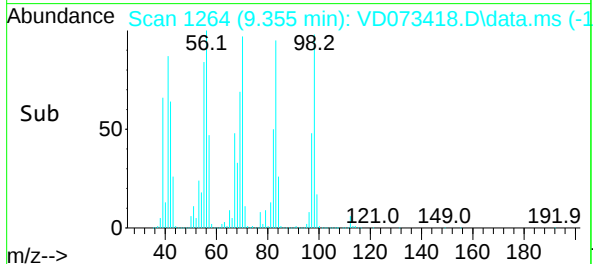
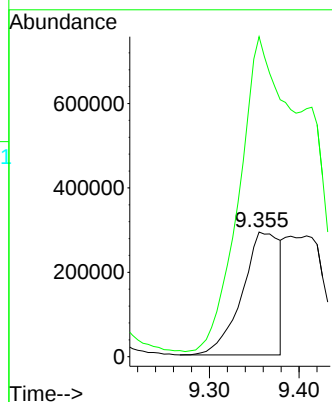
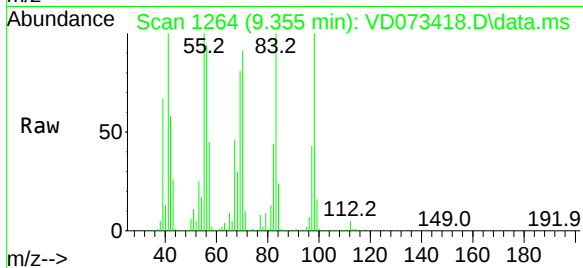
ClientSampleId :

Tgt Ion: 63 Resp: 840475

Ion Ratio Lower Upper

63 100

65 255.5 26.2 39.4#



#46

Dibromomethane

Concen: 14.326 ug/l

RT: 9.508 min Scan# 1290

Delta R.T. 0.041 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

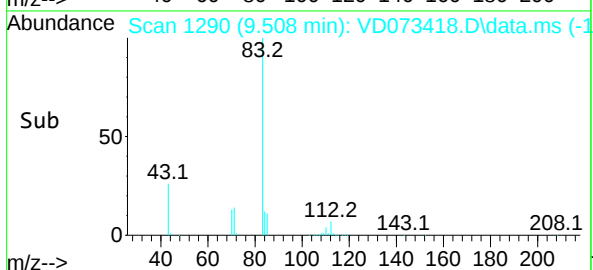
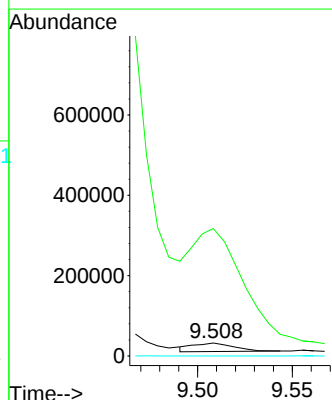
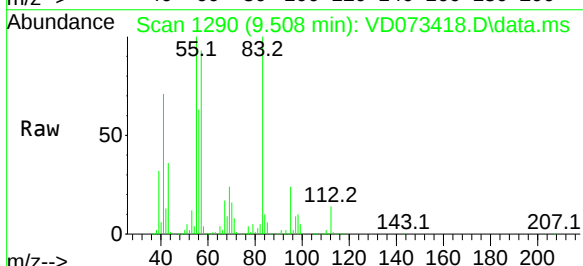
Tgt Ion: 93 Resp: 32085

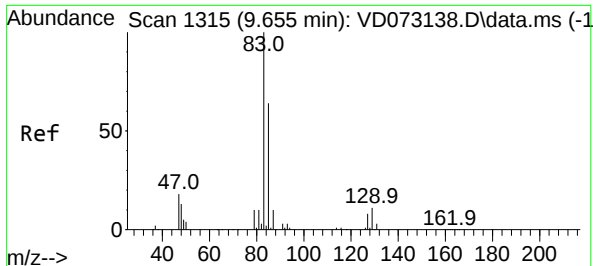
Ion Ratio Lower Upper

93 100

95 1727.6 66.7 100.1#

174 0.2 71.6 107.4#





#47

Bromodichloromethane

Concen: 2808.590 ug/l

RT: 9.661 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

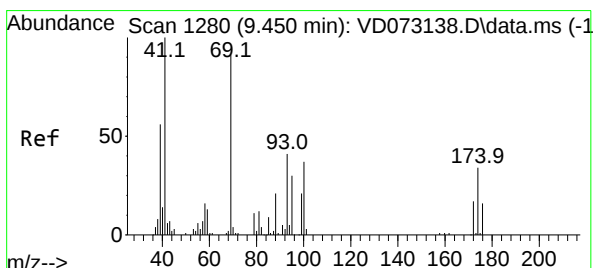
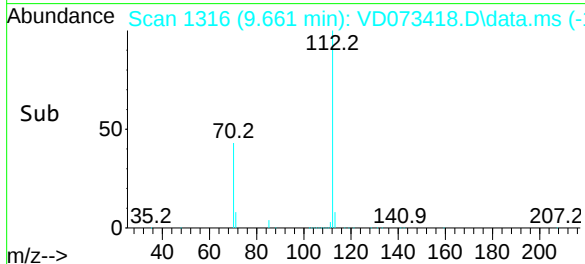
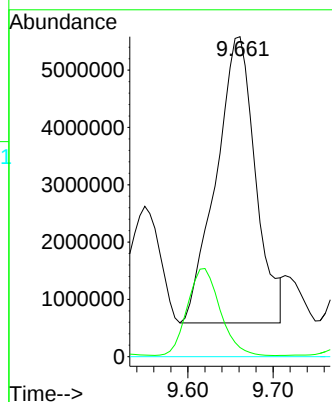
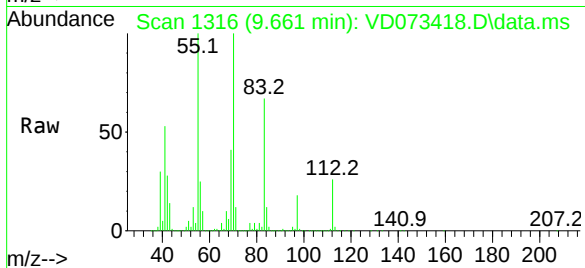
Tgt Ion: 83 Resp:16094431

Ion Ratio Lower Upper

83 100

85 2.7 51.4 77.0#

127 0.0 6.1 9.1#



#48

Methyl methacrylate

Concen: 11497.818 ug/l

RT: 9.555 min Scan# 1298

Delta R.T. 0.105 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

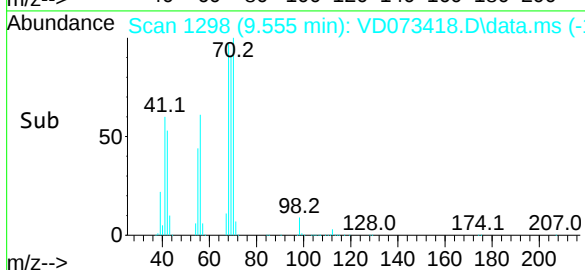
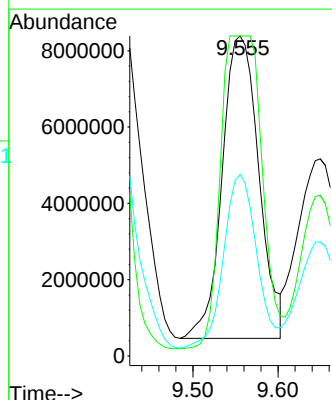
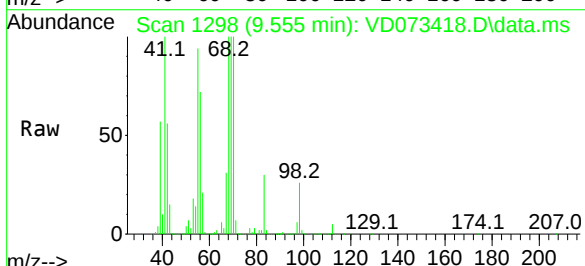
Tgt Ion: 41 Resp:23728202

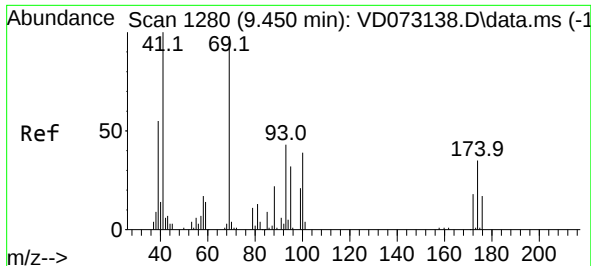
Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 52.1 42.7 64.1





#49

1,4-Dioxane

Concen: 67.925 ug/l

RT: 9.432 min Scan# 11

Delta R.T. -0.018 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

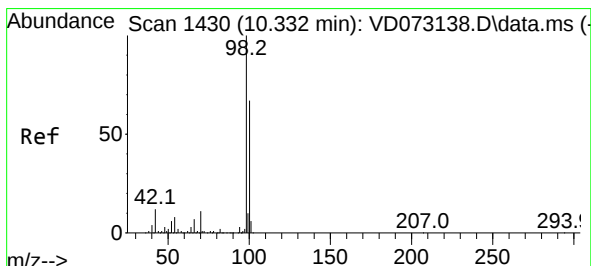
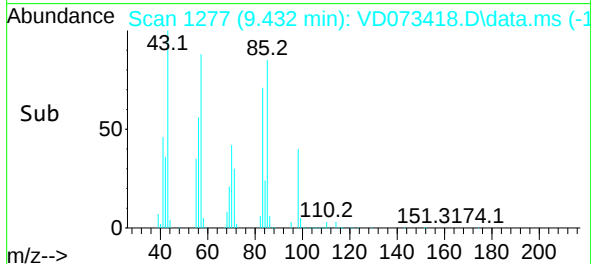
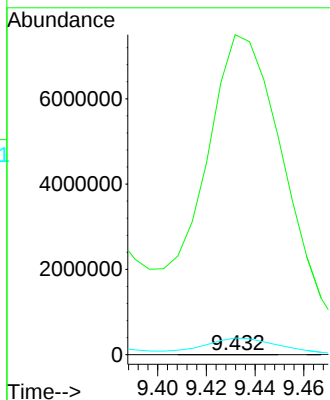
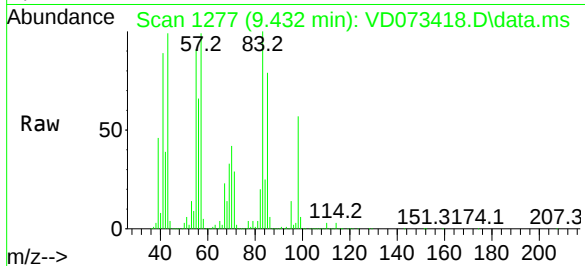
Tgt Ion: 88 Resp: 1571

Ion Ratio Lower Upper

88 100

43 1084104.8 31.0 46.4#

58 54352.8 58.1 87.1#



#50

Toluene-d8

Concen: 882.892 ug/l

RT: 10.361 min Scan# 1435

Delta R.T. 0.029 min

Lab File: VD073418.D

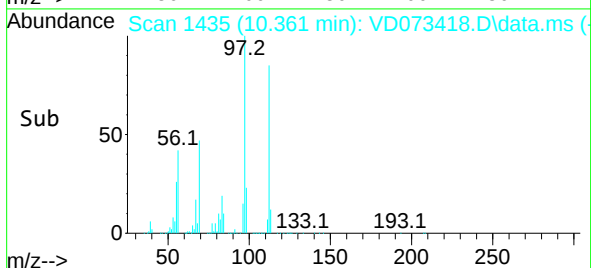
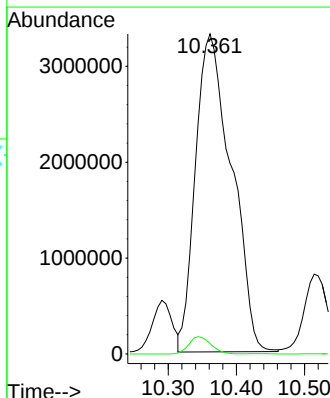
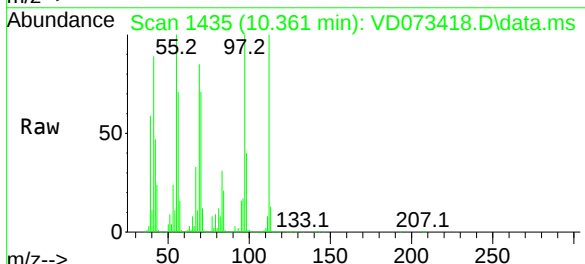
Acq: 27 May 2022 18:35

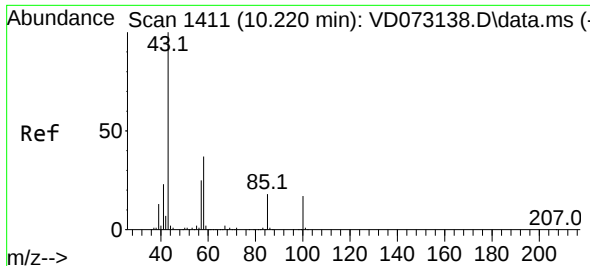
Tgt Ion: 98 Resp:12157796

Ion Ratio Lower Upper

98 100

100 3.3 52.4 78.6#





#51

4-Methyl-2-Pentanone

Concen: 1231.216 ug/l

RT: 10.291 min Scan# 1411

Delta R.T. 0.071 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

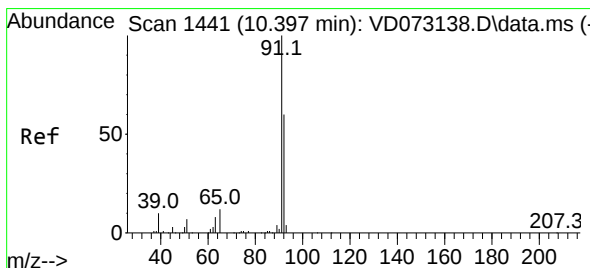
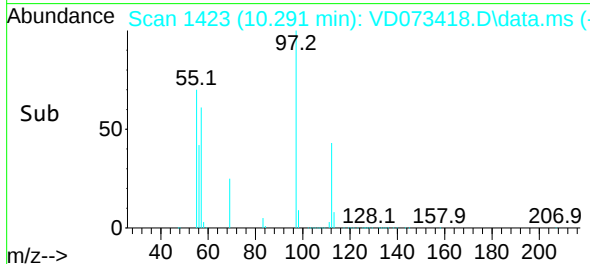
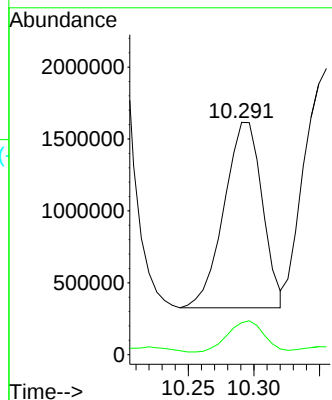
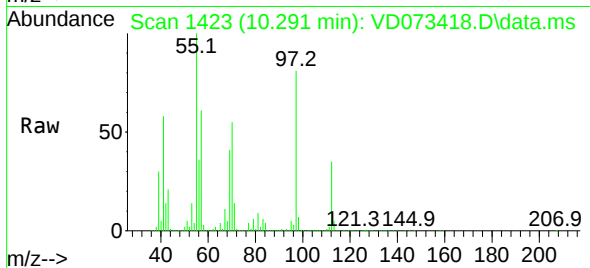
ClientSampleId :

Tgt Ion: 43 Resp: 2623037

Ion Ratio Lower Upper

43 100

58 15.8 28.6 43.0#



#52

Toluene

Concen: 1121.258 ug/l

RT: 10.414 min Scan# 1444

Delta R.T. 0.017 min

Lab File: VD073418.D

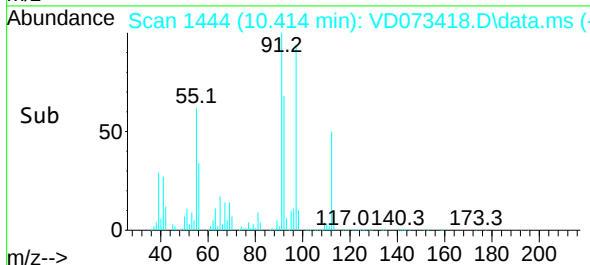
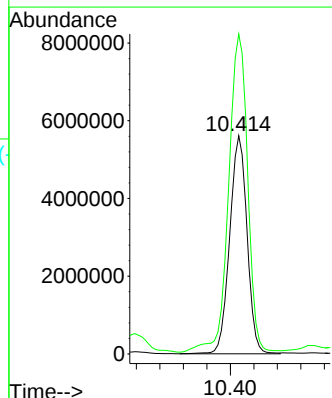
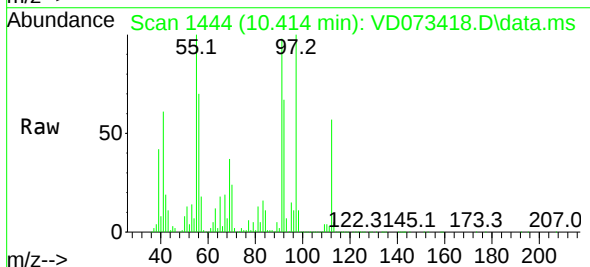
Acq: 27 May 2022 18:35

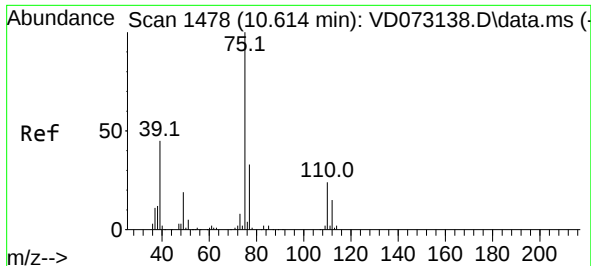
Tgt Ion: 92 Resp: 11472774

Ion Ratio Lower Upper

92 100

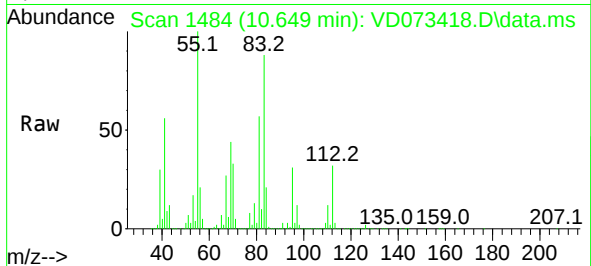
91 160.1 139.6 209.4



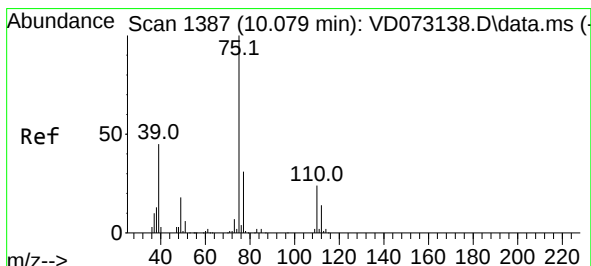
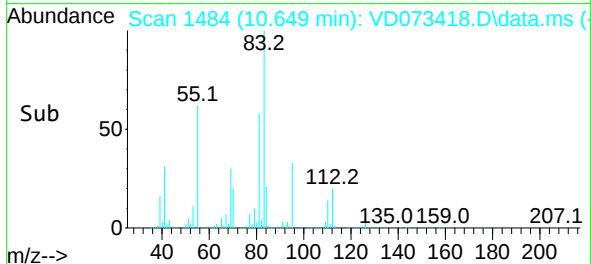
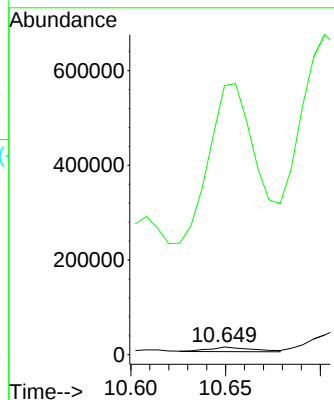


#53
 t-1,3-Dichloropropene
 Concen: 2.991 ug/l
 RT: 10.649 min Scan# 1478
 Delta R.T. 0.035 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35

Instrument :
 MSVOA_D
 ClientSampleId :

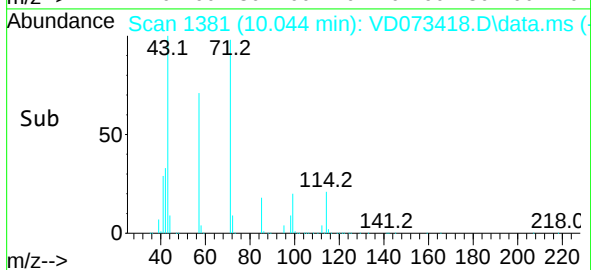
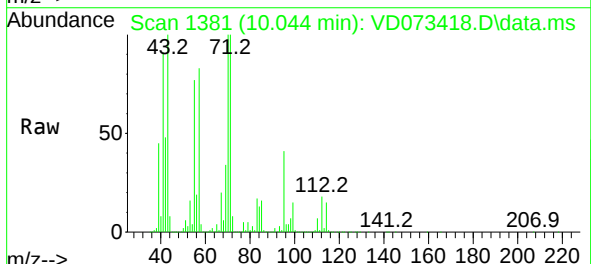
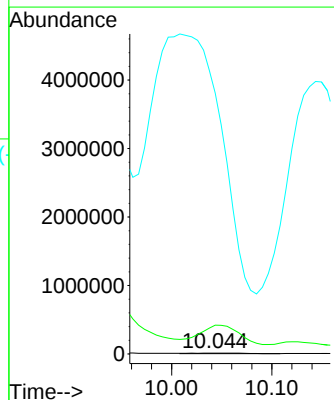


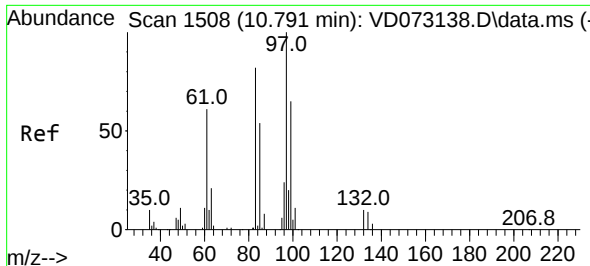
Tgt Ion: 75 Resp: 15486
 Ion Ratio Lower Upper
 75 100
 77 3784.9 24.5 36.7#



#54
 cis-1,3-Dichloropropene
 Concen: 4.397 ug/l
 RT: 10.044 min Scan# 1381
 Delta R.T. -0.035 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35

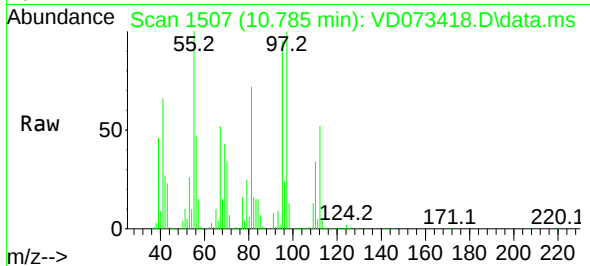
Tgt Ion: 75 Resp: 27241
 Ion Ratio Lower Upper
 75 100
 77 3235.4 24.8 37.2#
 39 23950.1 46.8 70.2#





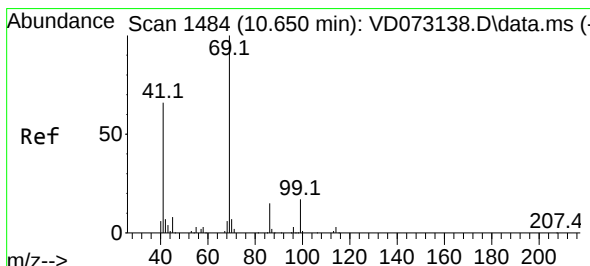
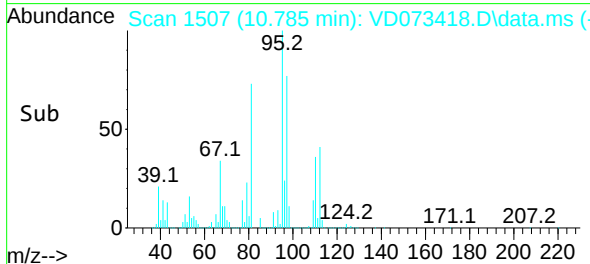
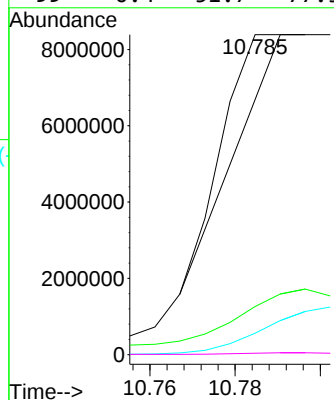
#55
1,1,2-Trichloroethane
Concen: 949.061 ug/l
RT: 10.785 min Scan# 1495
Delta R.T. -0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 97 Resp: 2874245

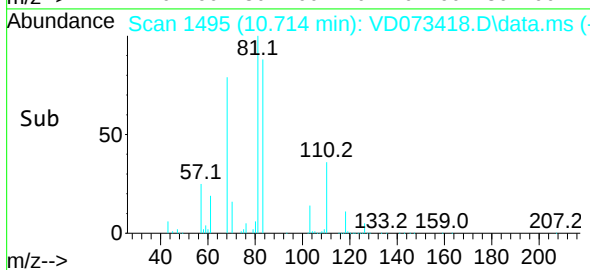
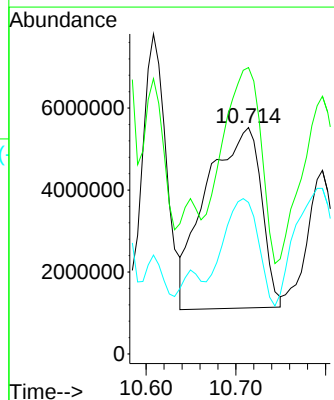
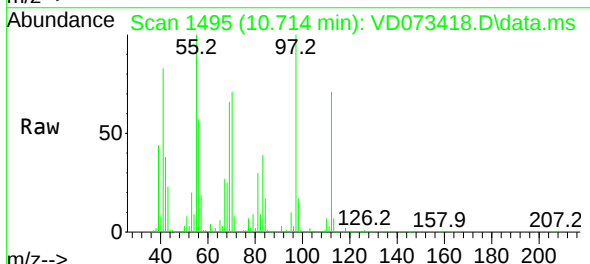
Ion	Ratio	Lower	Upper
97	100		
83	13.4	69.0	103.4#
85	7.6	42.6	63.8#
99	0.4	51.7	77.5#

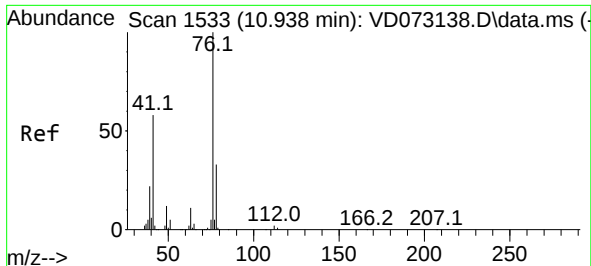


#56
Ethyl methacrylate
Concen: 5551.883 ug/l
RT: 10.714 min Scan# 1495
Delta R.T. 0.064 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 69 Resp:18694448

Ion	Ratio	Lower	Upper
69	100		
41	77.9	63.0	94.6
39	40.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 3.434 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

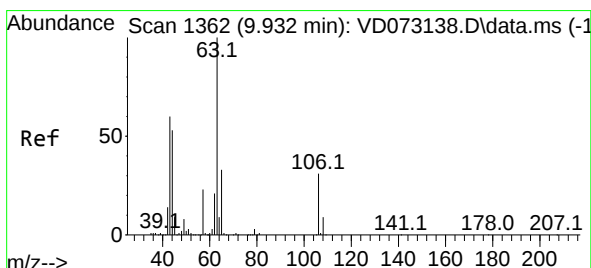
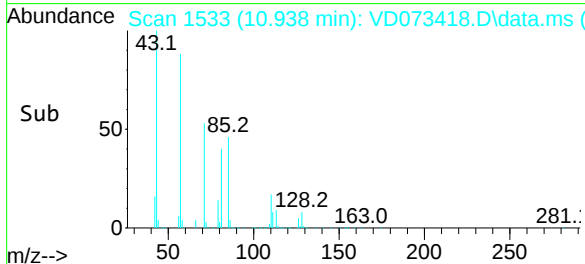
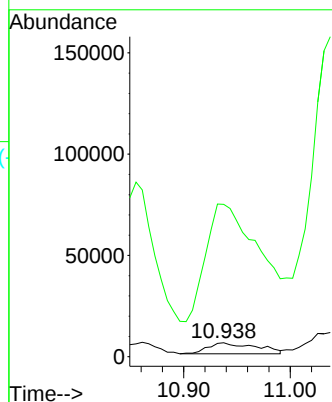
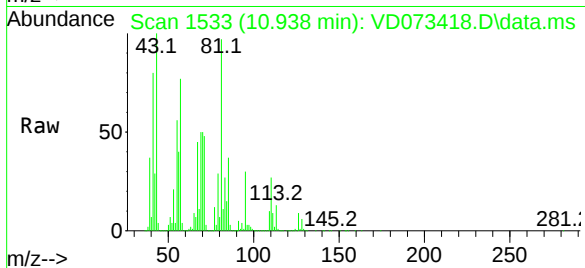
ClientSampleId :

Tgt Ion: 76 Resp: 17452

Ion Ratio Lower Upper

76 100

78 1135.6 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 278.145 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VD073418.D

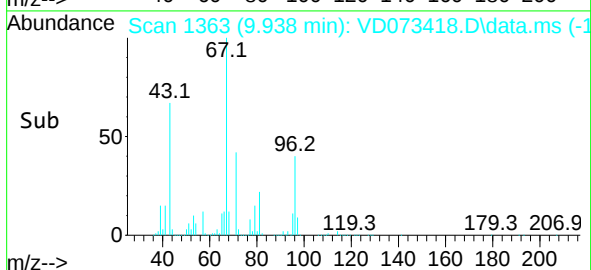
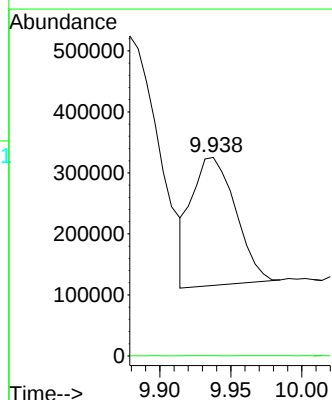
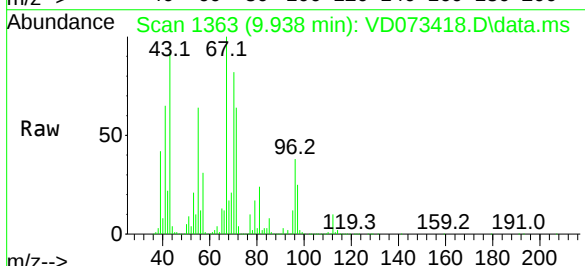
Acq: 27 May 2022 18:35

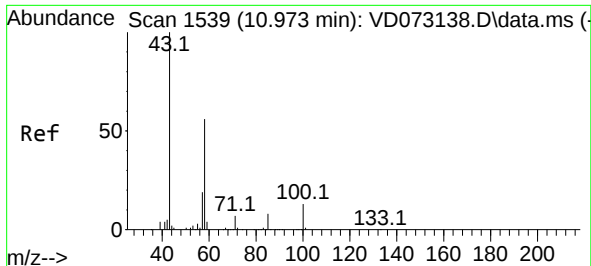
Tgt Ion: 63 Resp: 449235

Ion Ratio Lower Upper

63 100

106 0.1 21.4 32.0#

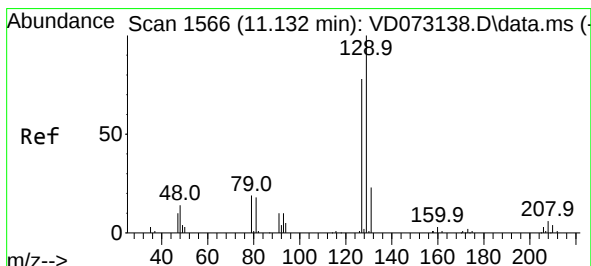
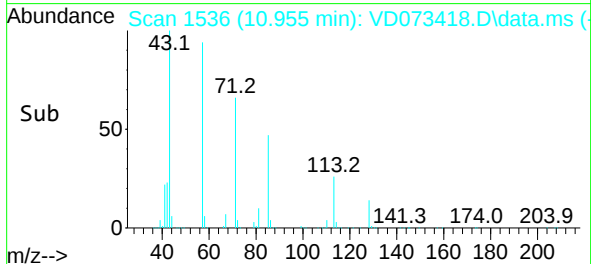
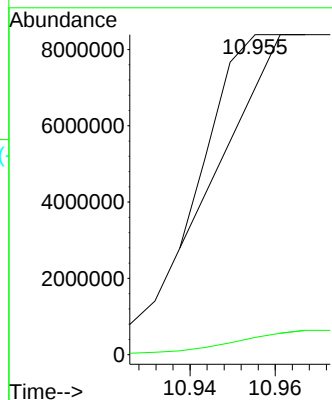
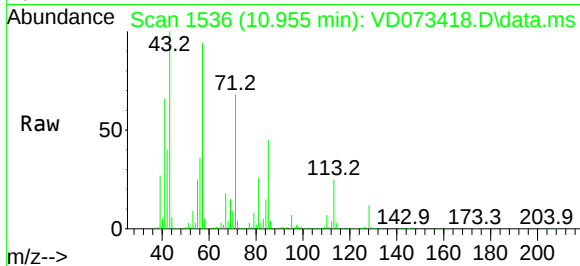




#59
2-Hexanone
Concen: 2344.866 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.018 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

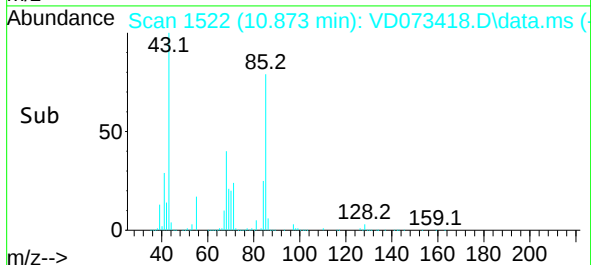
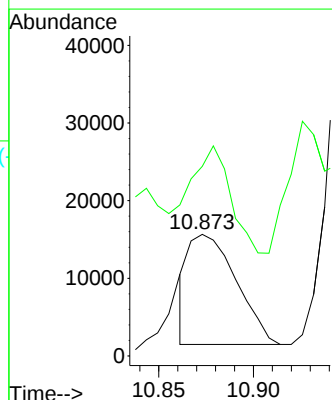
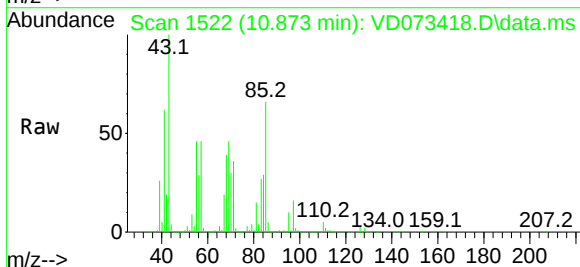
Instrument :
MSVOA_D
ClientSampleId :

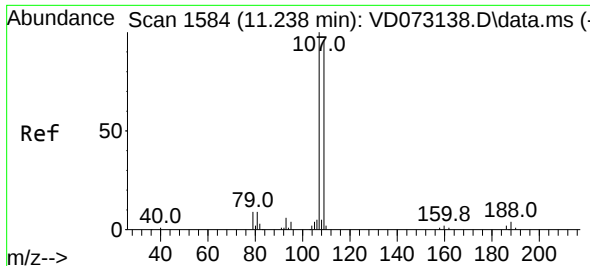
Tgt Ion: 43 Resp: 3293530
Ion Ratio Lower Upper
43 100
58 47.7 25.3 75.9



#60
Dibromochloromethane
Concen: 6.596 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 129 Resp: 24907
Ion Ratio Lower Upper
129 100
127 74.6 39.2 117.6

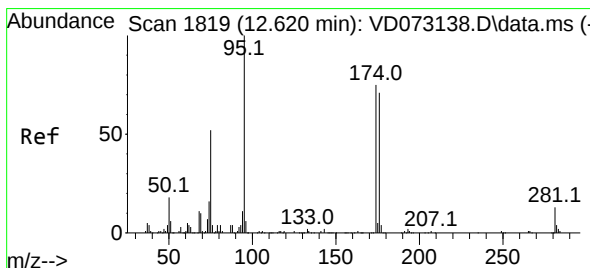
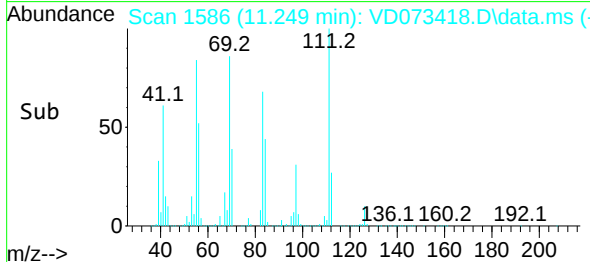
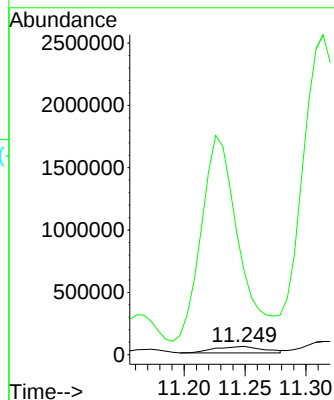
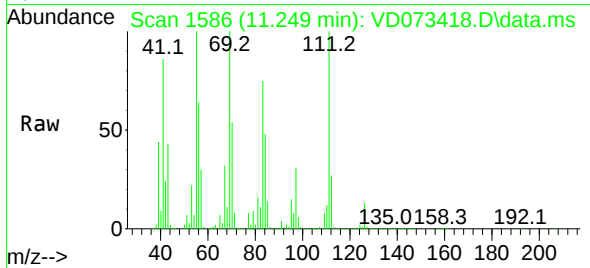




#61
1,2-Dibromoethane
Concen: 49.647 ug/l
RT: 11.249 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

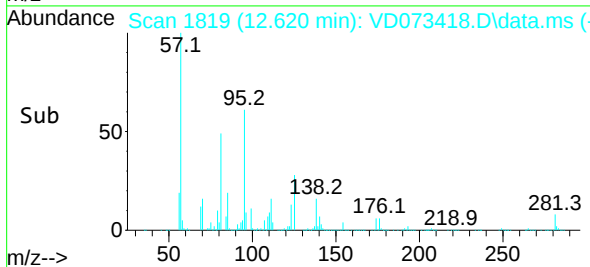
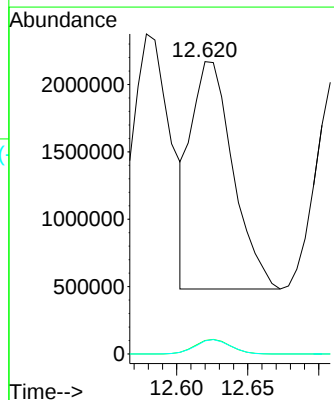
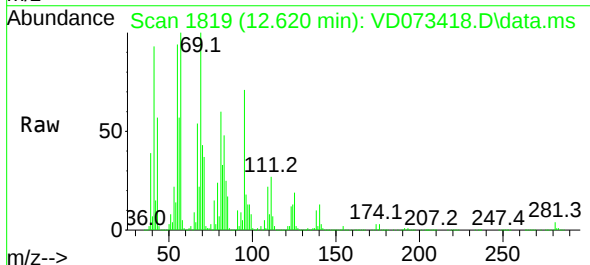
Instrument :
MSVOA_D
ClientSampleId :

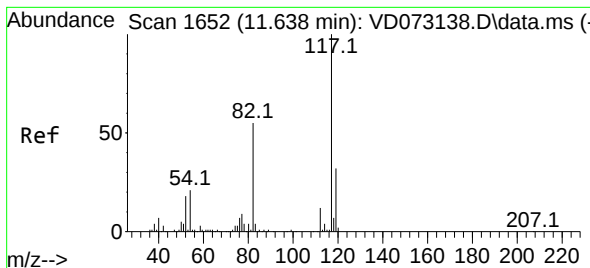
Tgt Ion:107 Resp: 143676
Ion Ratio Lower Upper
107 100
109 0.0 74.2 111.4#



#62
4-Bromofluorobenzene
Concen: 717.242 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 95 Resp: 3466150
Ion Ratio Lower Upper
95 100
174 5.4 0.0 152.8
176 5.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.643 min Scan# 1

Delta R.T. 0.005 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :

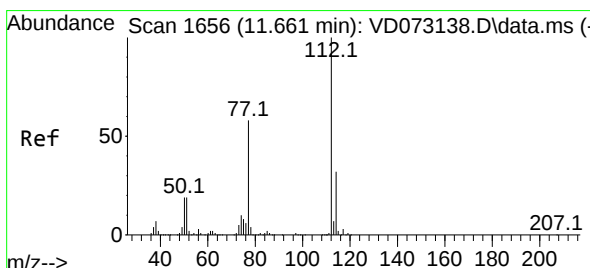
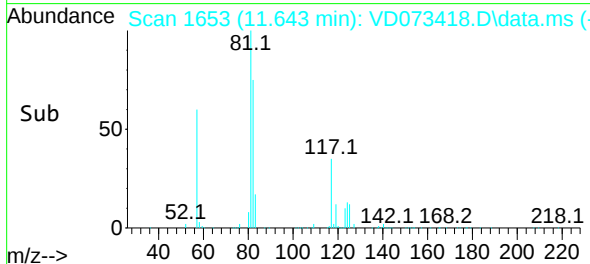
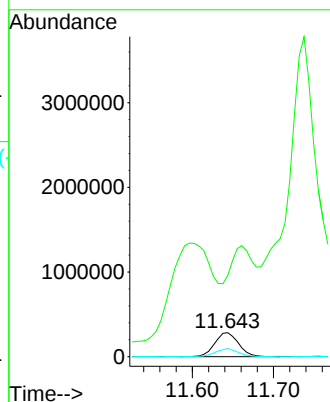
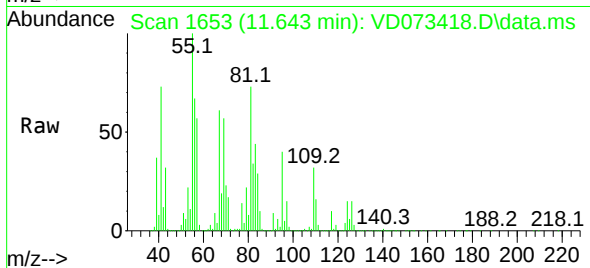
Tgt Ion:117 Resp: 573718

Ion Ratio Lower Upper

117 100

82 0.0 45.3 67.9#

119 33.4 26.6 40.0



#65

Chlorobenzene

Concen: 62.665 ug/l

RT: 11.567 min Scan# 1640

Delta R.T. -0.094 min

Lab File: VD073418.D

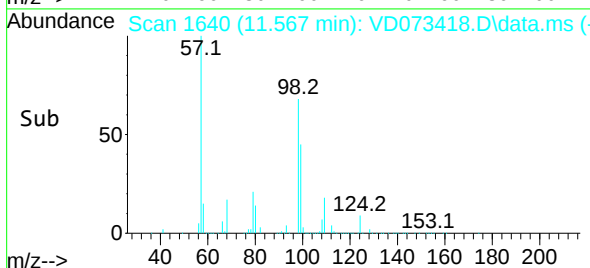
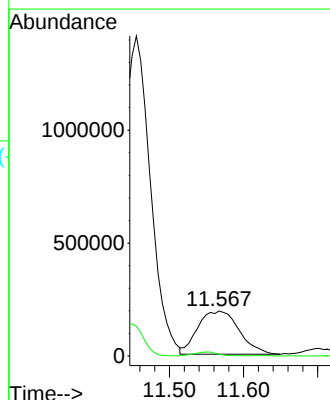
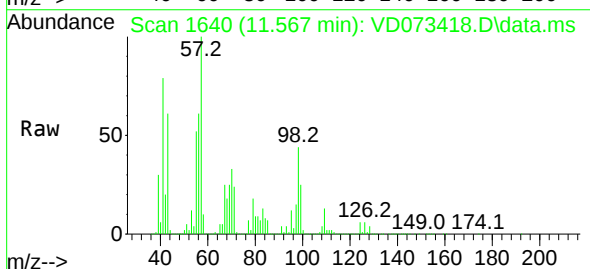
Acq: 27 May 2022 18:35

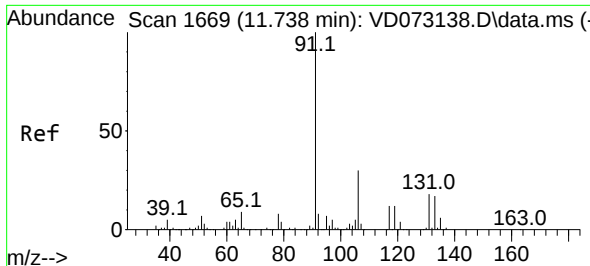
Tgt Ion:112 Resp: 737548

Ion Ratio Lower Upper

112 100

114 3.7 25.8 38.6#





#67

Ethyl Benzene

Concen: 19.567 ug/l

RT: 11.661 min Scan# 1

Delta R.T. -0.077 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

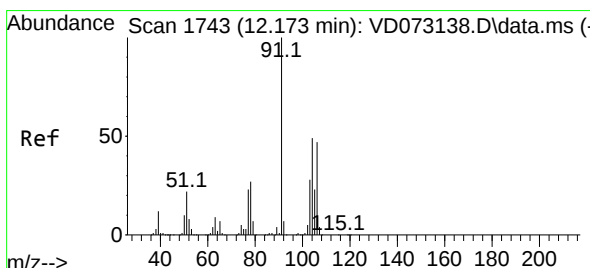
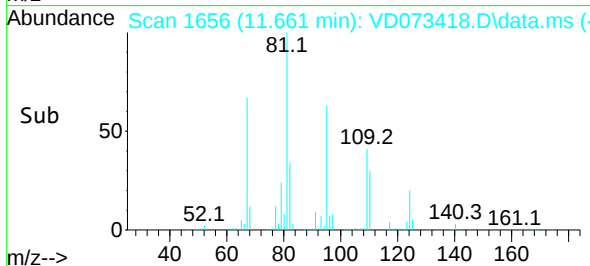
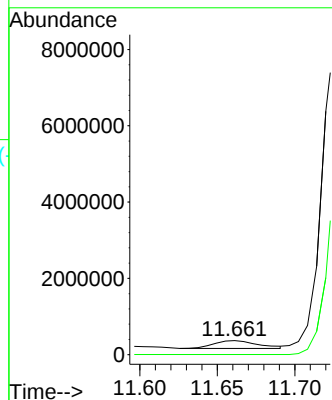
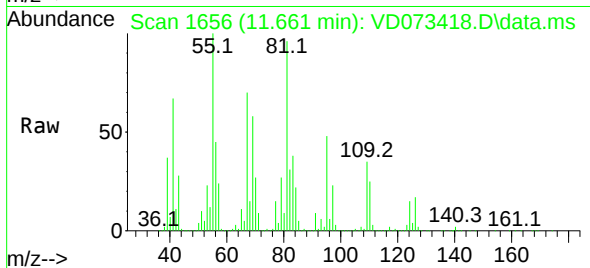
ClientSampleId :

Tgt Ion: 91 Resp: 404270

Ion Ratio Lower Upper

91 100

106 0.7 24.2 36.4#



#69

o-Xylene

Concen: 1118.873 ug/l

RT: 12.185 min Scan# 1745

Delta R.T. 0.012 min

Lab File: VD073418.D

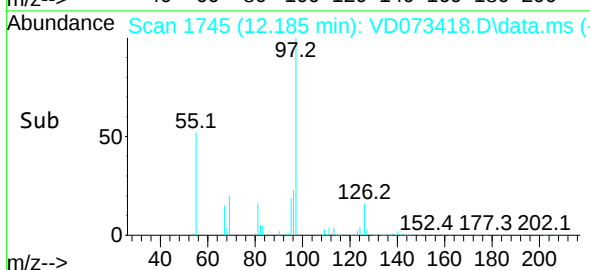
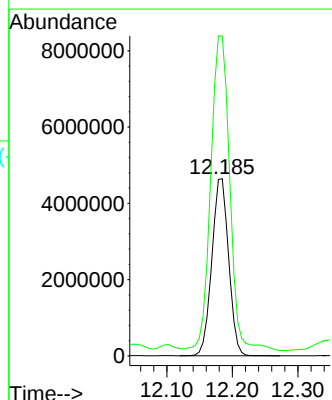
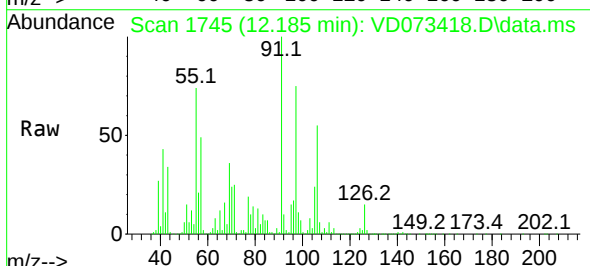
Acq: 27 May 2022 18:35

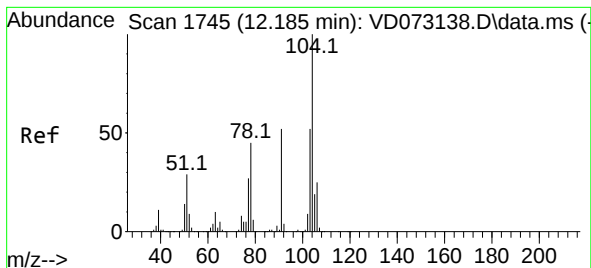
Tgt Ion:106 Resp: 8250810

Ion Ratio Lower Upper

106 100

91 201.4 110.4 331.2





#70

Styrene

Concen: 33.879 ug/l

RT: 12.179 min Scan# 1744

Delta R.T. -0.006 min

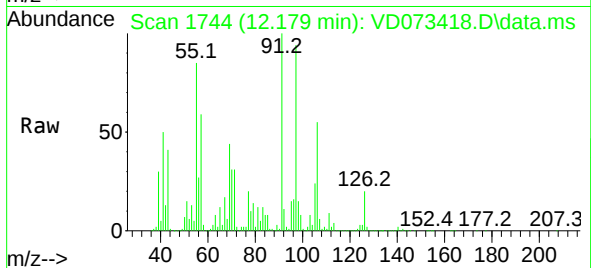
Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

ClientSampleId :



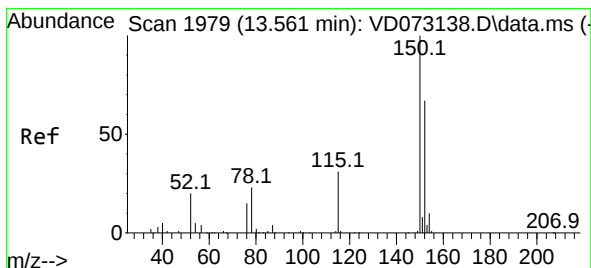
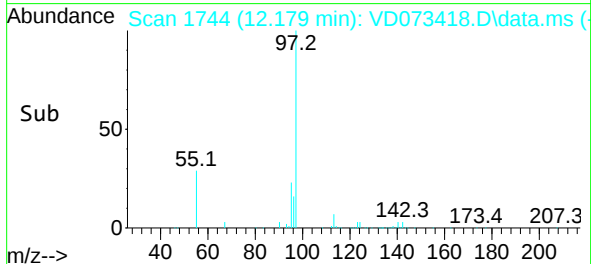
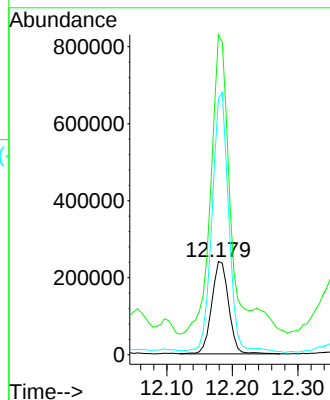
Tgt Ion:104 Resp: 429825

Ion Ratio Lower Upper

104 100

78 352.7 41.8 62.8#

103 279.2 44.2 66.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

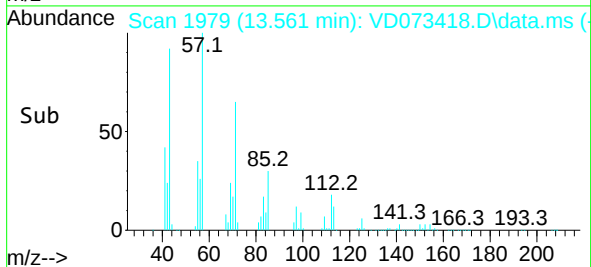
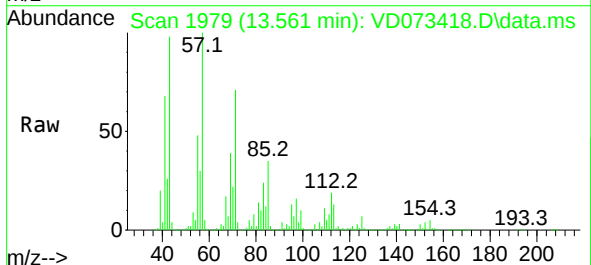
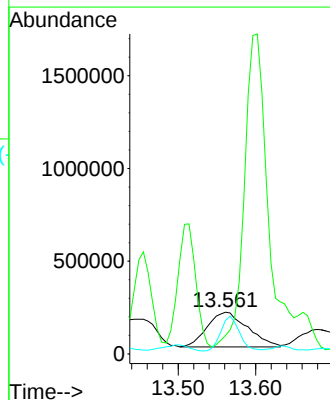
Tgt Ion:152 Resp: 677605

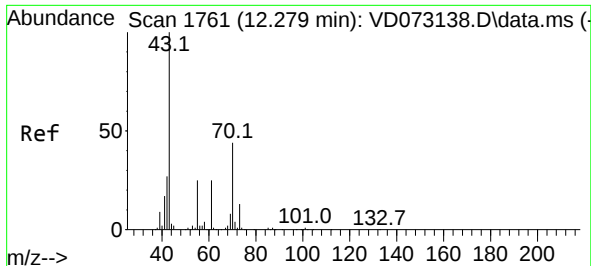
Ion Ratio Lower Upper

152 100

115 0.0 31.3 93.8#

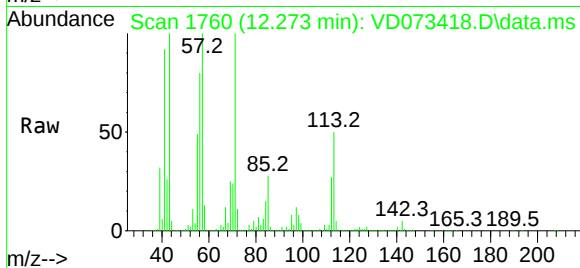
150 47.2 0.0 348.6



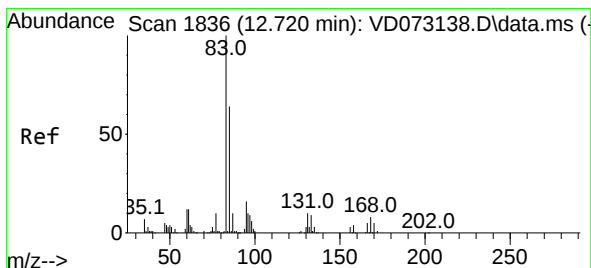
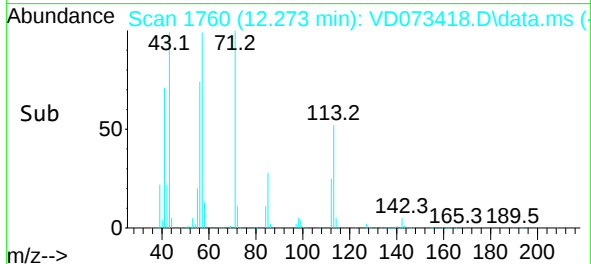
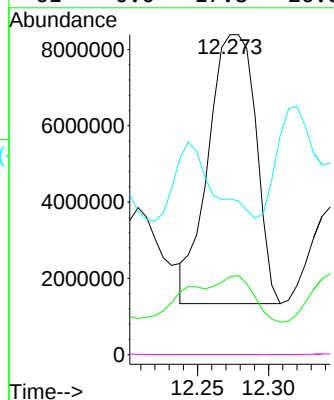


#74
N-amy1 acetate
Concen: 1553.922 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :

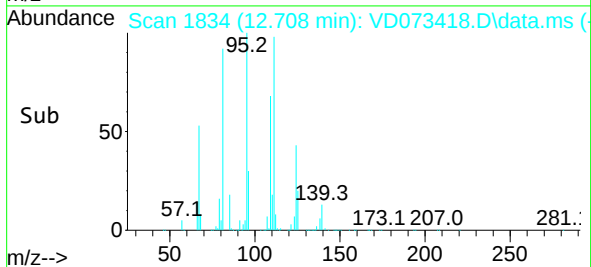
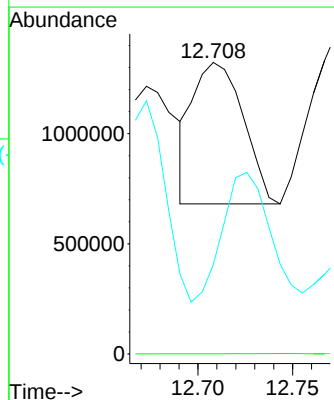
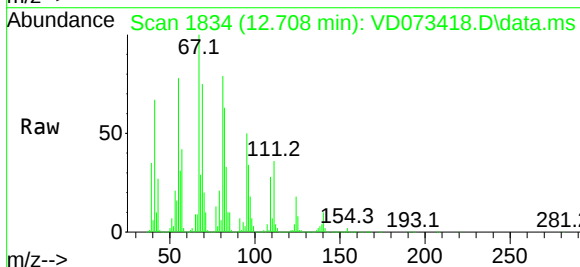


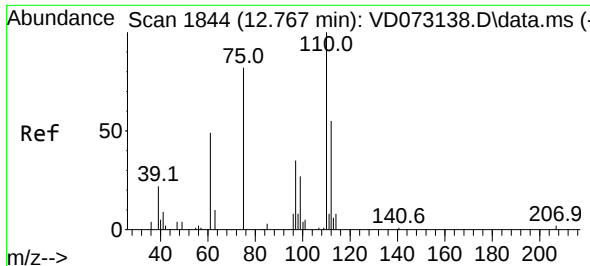
Tgt Ion: 43 Resp:16375333
Ion Ratio Lower Upper
43 100
70 23.5 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 133.274 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

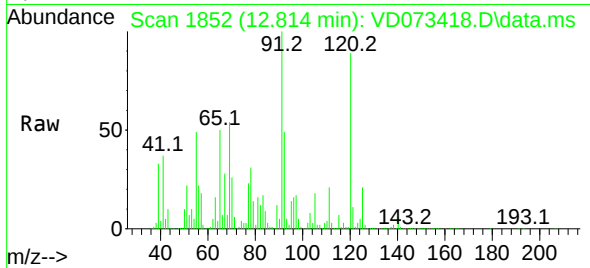
Tgt Ion: 83 Resp: 1187355
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 85.5 32.6 98.0



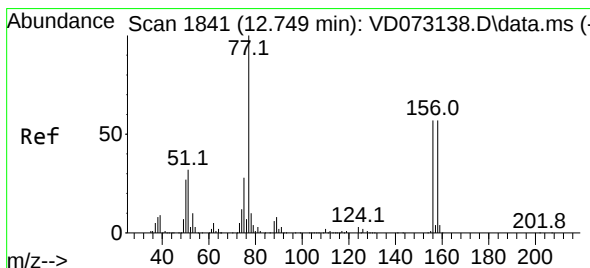
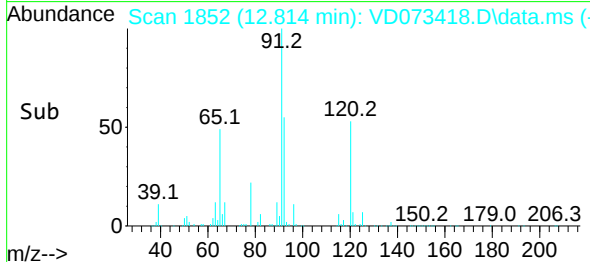
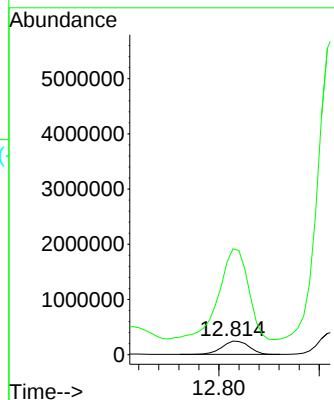


#76
1,2,3-Trichloropropane
Concen: 68.073 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.047 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Instrument :
MSVOA_D
ClientSampleId :

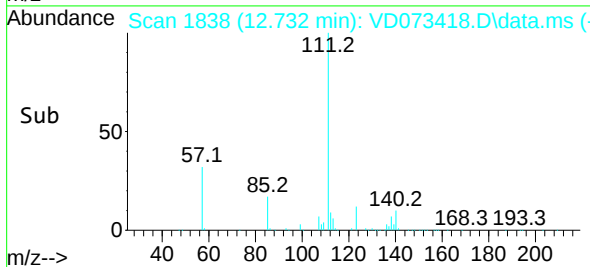
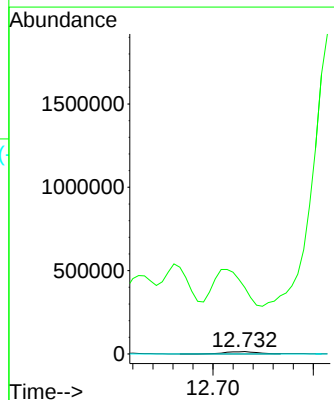
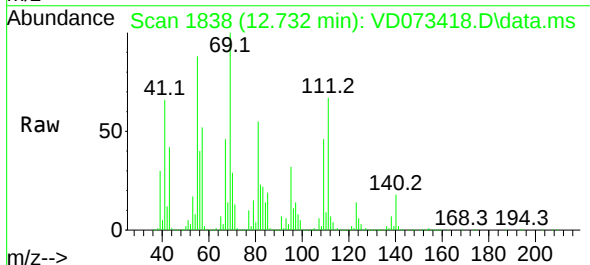


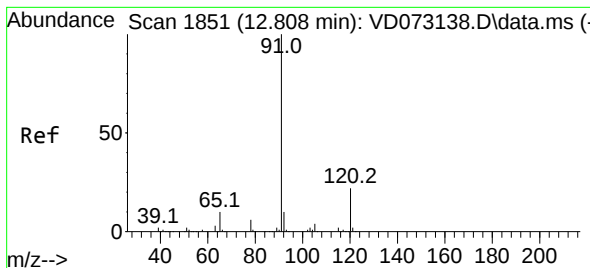
Tgt Ion: 75 Resp: 452584
Ion Ratio Lower Upper
75 100
77 754.3 0.0 0.0#



#77
Bromobenzene
Concen: 2.719 ug/l
RT: 12.732 min Scan# 1838
Delta R.T. -0.017 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion:156 Resp: 30919
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 1.8 48.7 146.1#





#78

n-propylbenzene

Concen: 105.371 ug/l

RT: 12.967 min Scan# 11

Delta R.T. 0.159 min

Lab File: VD073418.D

Acq: 27 May 2022 18:35

Instrument :

MSVOA_D

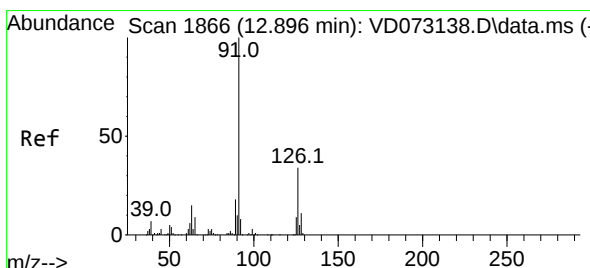
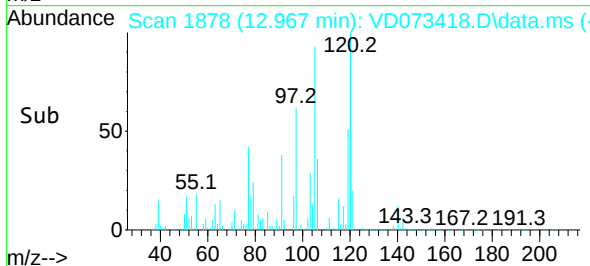
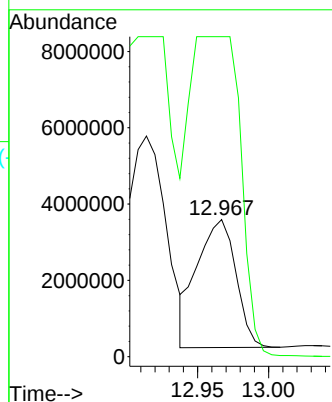
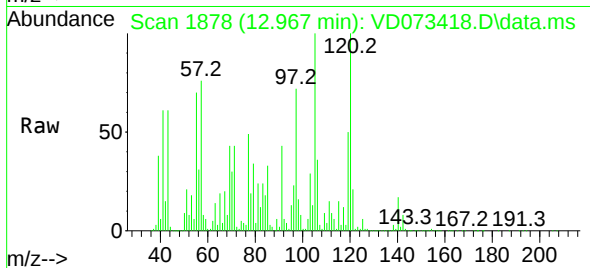
ClientSampleId :

Tgt Ion: 91 Resp: 6390175

Ion Ratio Lower Upper

91 100

120 21.1 10.9 32.9



#79

2-Chlorotoluene

Concen: 16.817 ug/l

RT: 12.661 min Scan# 1826

Delta R.T. -0.235 min

Lab File: VD073418.D

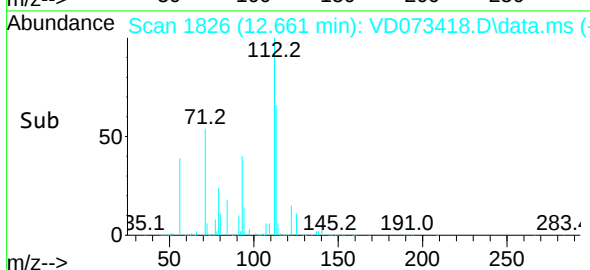
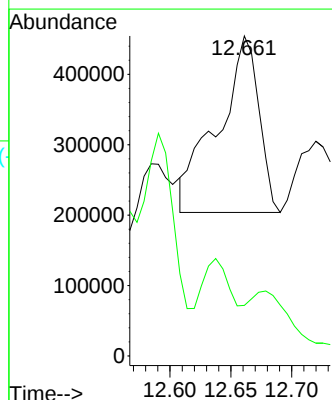
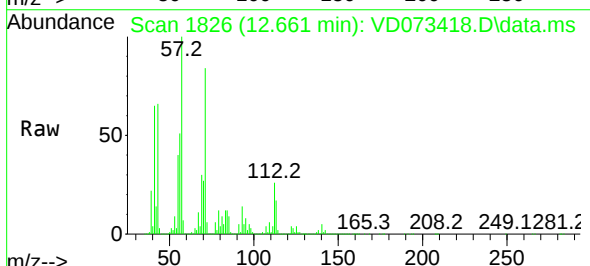
Acq: 27 May 2022 18:35

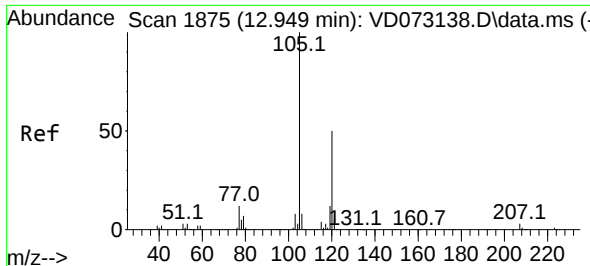
Tgt Ion: 91 Resp: 588854

Ion Ratio Lower Upper

91 100

126 26.2 16.2 48.6

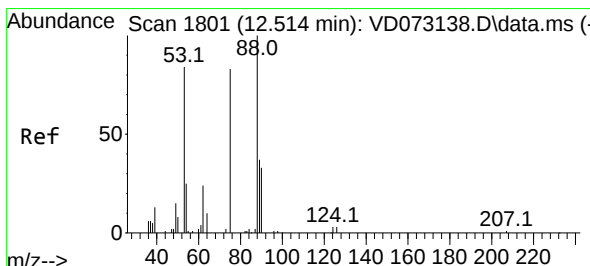
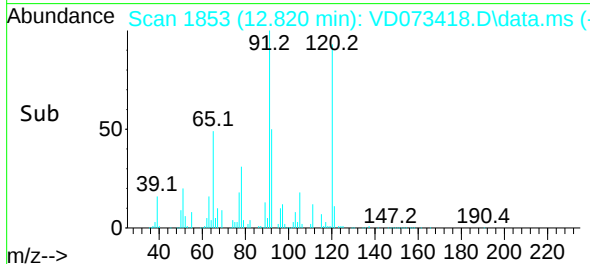
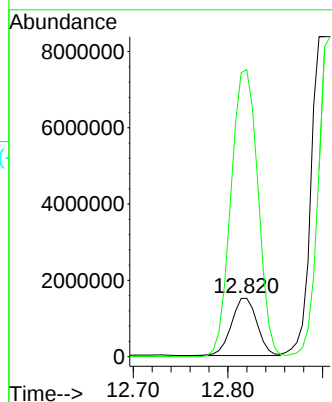
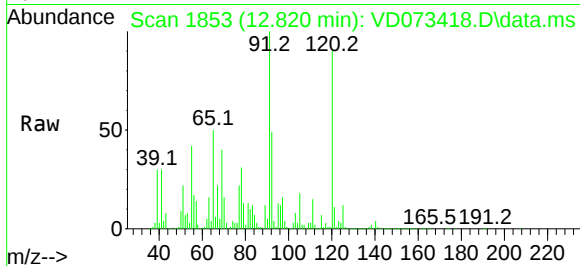




#80
1,3,5-Trimethylbenzene
Concen: 69.485 ug/l
RT: 12.820 min Scan# 1795
Delta R.T. -0.129 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

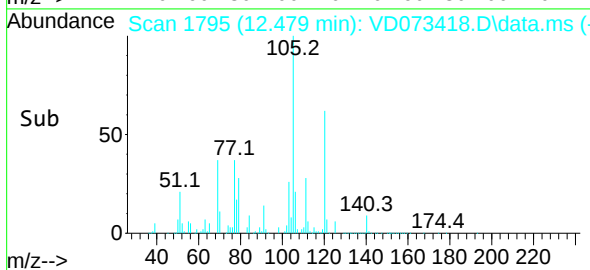
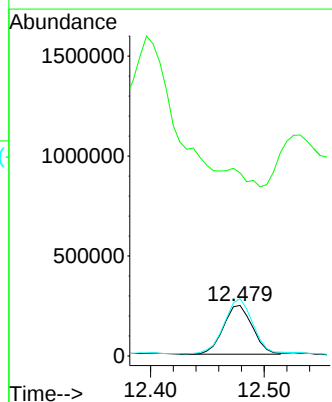
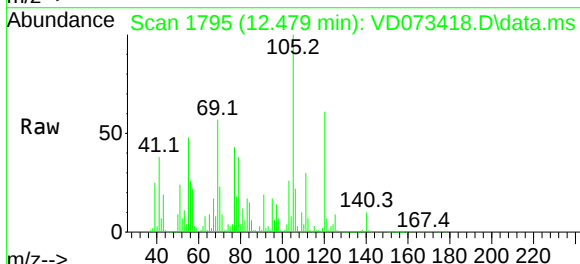
Instrument :
MSVOA_D
ClientSampleId :

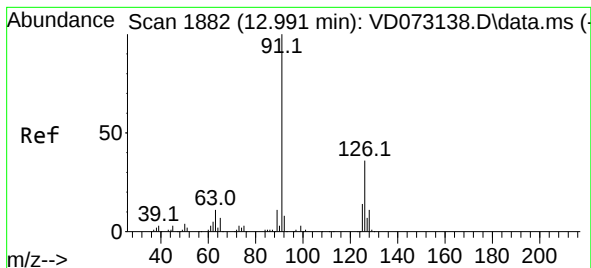
Tgt Ion:105 Resp: 2843320
Ion Ratio Lower Upper
105 100
120 522.8 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 157.759 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.035 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 75 Resp: 436898
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 118.7 33.9 50.9#

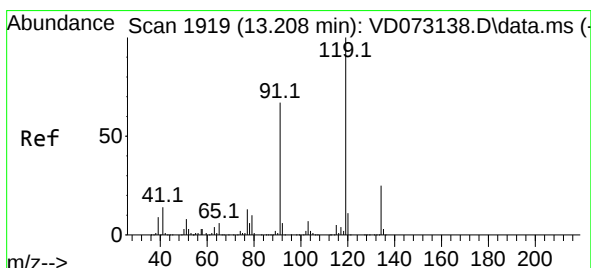
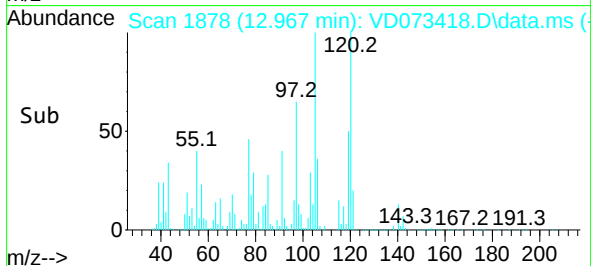
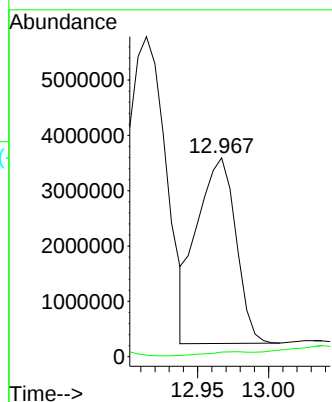
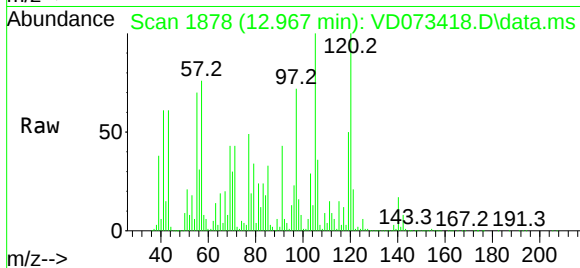




#82
4-Chlorotoluene
Concen: 174.111 ug/l
RT: 12.967 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

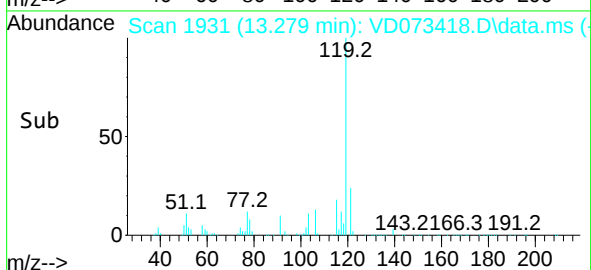
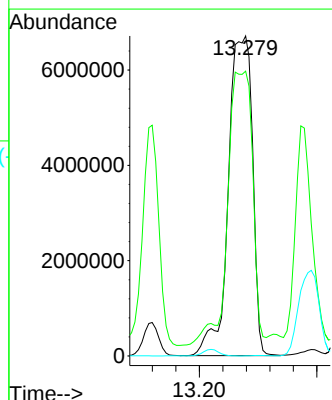
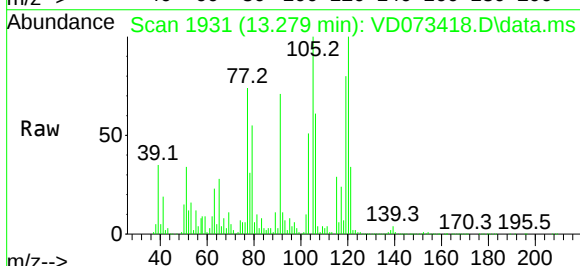
Instrument :
MSVOA_D
ClientSampleId :

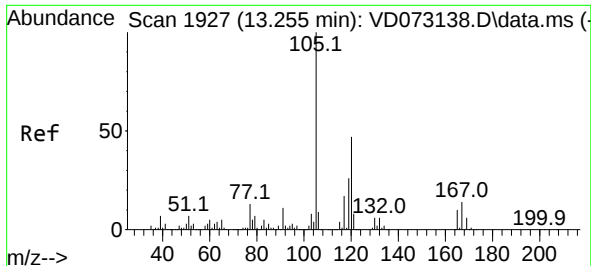
Tgt Ion: 91 Resp: 6390175
Ion Ratio Lower Upper
91 100
126 2.8 16.5 49.5#



#83
tert-Butylbenzene
Concen: 555.484 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. 0.071 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 119 Resp: 19157082
Ion Ratio Lower Upper
119 100
91 88.5 34.8 104.5
134 0.0 13.3 39.9#

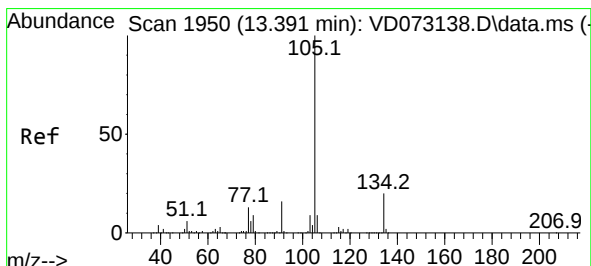
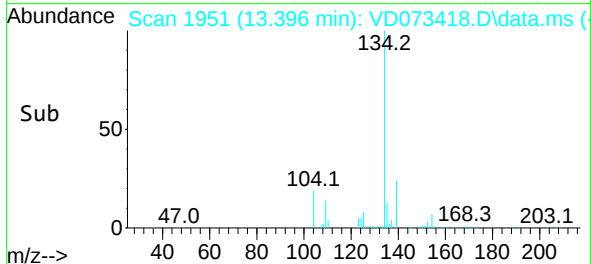
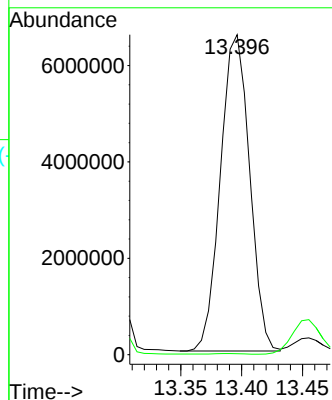
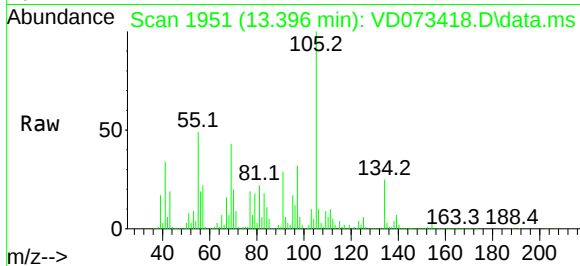




#84
1,2,4-Trimethylbenzene
Concen: 271.252 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.141 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

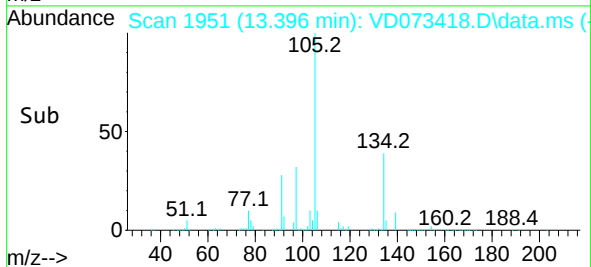
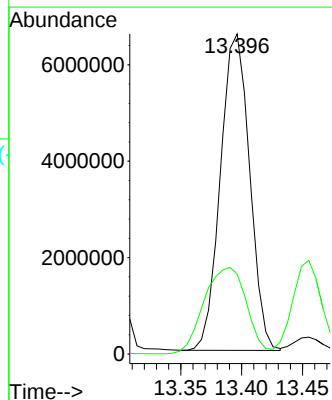
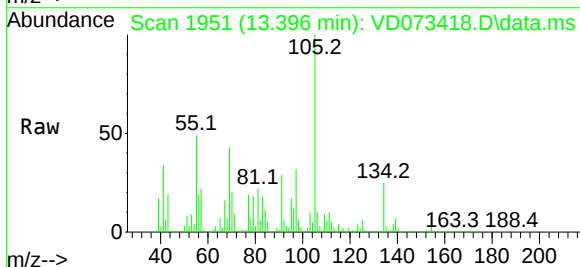
Instrument :
MSVOA_D
ClientSampleId :

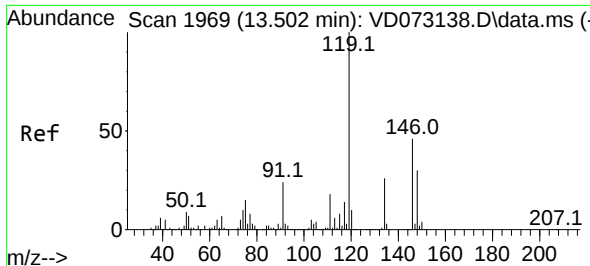
Tgt Ion:105 Resp:10965304
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#



#85
sec-Butylbenzene
Concen: 208.307 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.005 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion:105 Resp:10969252
Ion Ratio Lower Upper
105 100
134 39.5 9.8 29.3#

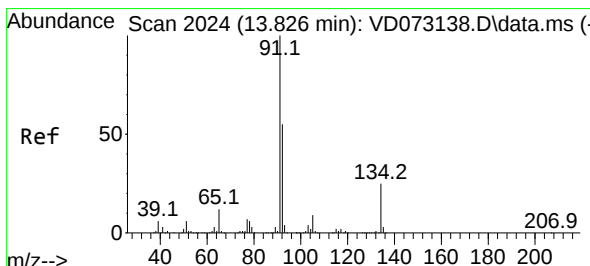
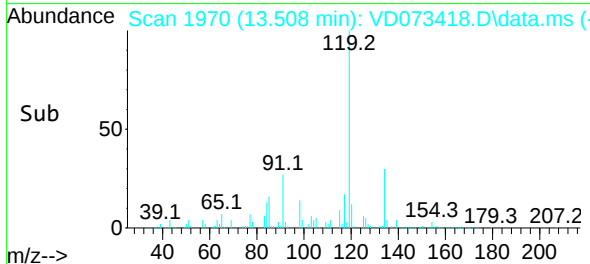
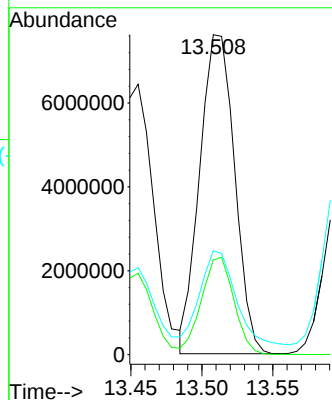
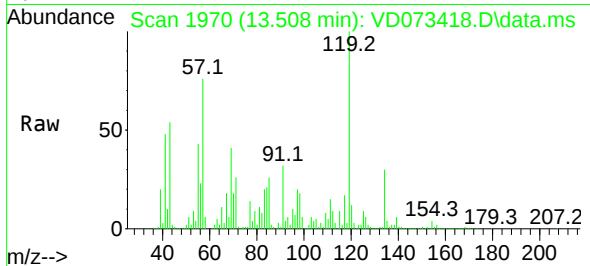




#86
p-Isopropyltoluene
Concen: 303.220 ug/l
RT: 13.508 min Scan# 1969
Delta R.T. 0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

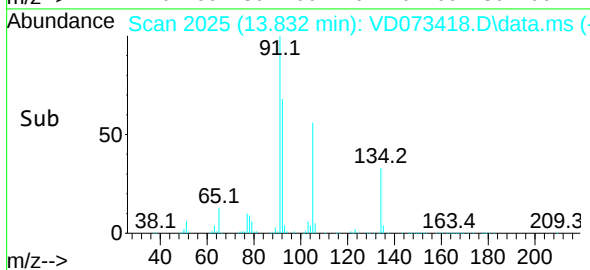
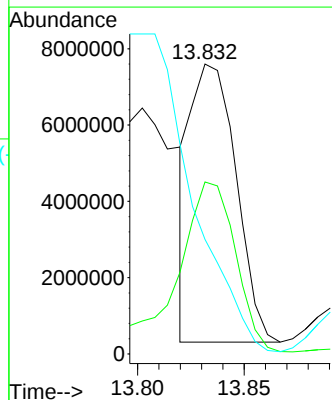
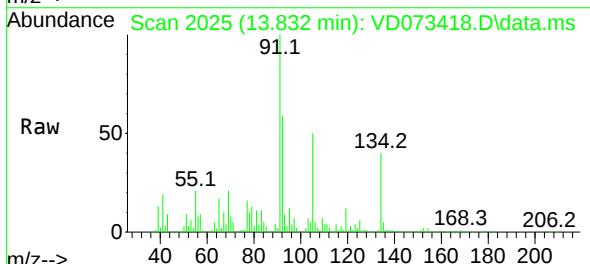
Instrument :
MSVOA_D
ClientSampleId :

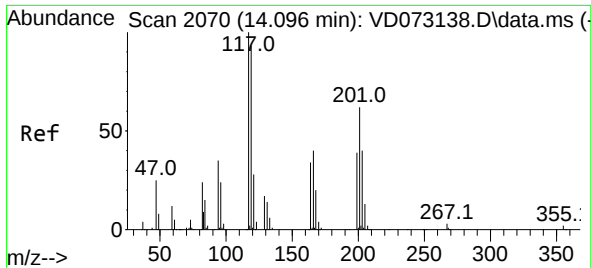
Tgt Ion:119 Resp:13015976
Ion Ratio Lower Upper
119 100
134 28.4 12.9 38.6
91 29.5 12.1 36.3



#89
n-Butylbenzene
Concen: 263.710 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.006 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

Tgt Ion: 91 Resp:10785780
Ion Ratio Lower Upper
91 100
92 79.5 26.6 79.8
134 0.0 12.3 36.9#

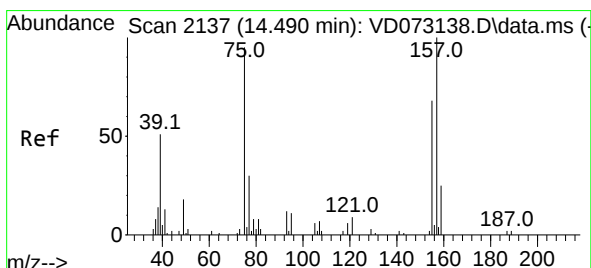
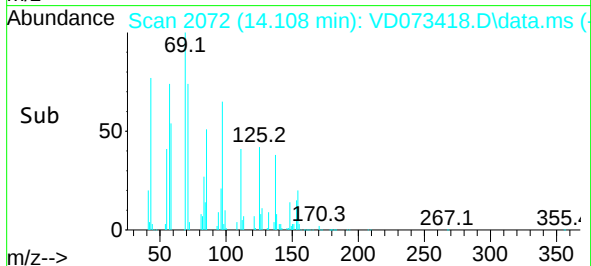
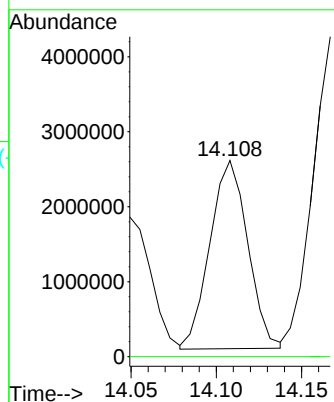
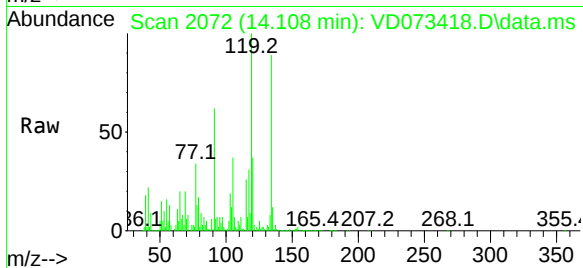




#90
Hexachloroethane
Concen: 436.508 ug/l
RT: 14.108 min Scan# 2070
Delta R.T. 0.012 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

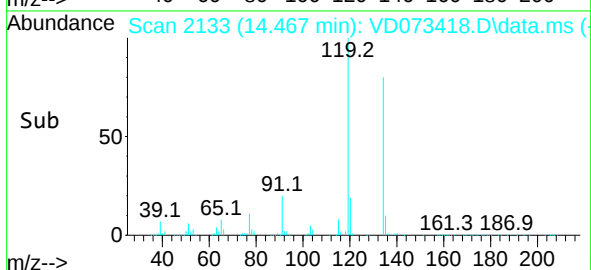
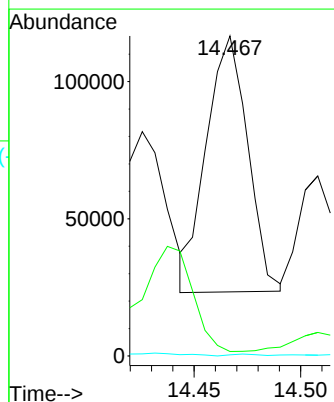
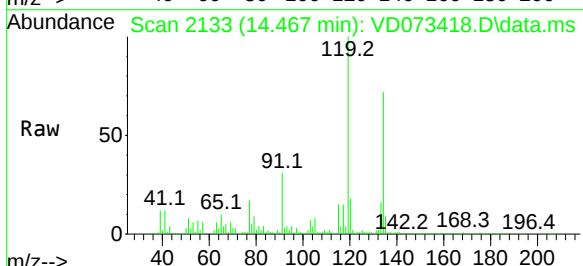
Instrument :
MSVOA_D
ClientSampleId :

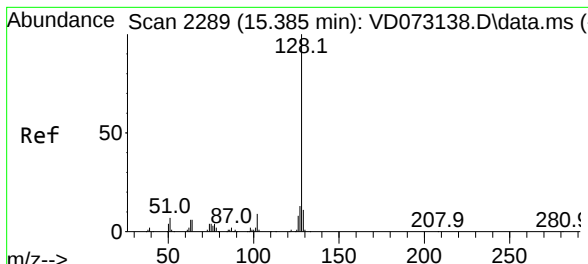
Tgt Ion:117 Resp: 3877070
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 92.239 ug/l
RT: 14.467 min Scan# 2133
Delta R.T. -0.023 min
Lab File: VD073418.D
Acq: 27 May 2022 18:35

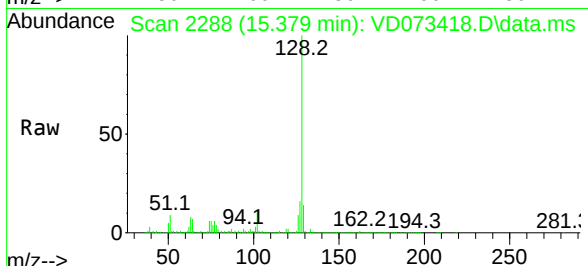
Tgt Ion: 75 Resp: 125845
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.5 48.4 145.0#





#95
 Naphthalene
 Concen: 690.522 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD073418.D
 Acq: 27 May 2022 18:35

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:128 Resp:16394431
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.3 15.5
 129 12.8 8.4 12.6#

