

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077139.D
 Acq On : 18 Sep 2023 19:36
 Operator : JC/SY
 Sample : 04436-09
 Misc : 5.26G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:59:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	198949	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	502878	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.587	117	444745	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.498	152	640754	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90263	44.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.920%		
35) Dibromofluoromethane	7.805	113	119964	34.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	68.680%		
50) Toluene-d8	10.275	98	6451864	518.936	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	1037.880%#		
62) 4-Bromofluorobenzene	12.575	95	1848041	479.575	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	959.140%#		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.058	59	173	1.511	ug/l #	73
13) Acrolein	3.758	56	53771	747.116	ug/l #	1
15) Acrylonitrile	5.328	53	459476	923.932	ug/l #	40
16) Acetone	4.011	43	258983	564.366	ug/l #	51
17) Carbon Disulfide	4.269	76	79108	10.383	ug/l	99
20) Methylene Chloride	4.793	84	49202	11.740	ug/l #	1
23) Vinyl Acetate	6.193	43	150587	59.002	ug/l #	71
24) 1,1-Dichloroethane	6.199	63	60866	13.284	ug/l #	78
25) 2-Butanone	7.081	43	294948	488.551	ug/l #	40
26) 2,2-Dichloropropane	6.893	77	179650	46.190	ug/l #	49
28) Bromochloromethane	7.440	49	1748	1.242	ug/l #	1
29) Tetrahydrofuran	7.457	42	30858	87.434	ug/l #	23
30) Chloroform	7.563	83	1866861	378.045	ug/l #	17
31) Cyclohexane	7.887	56	24461196	6963.780	ug/l	97
36) 1,1-Dichloropropene	7.987	75	8104	1.541	ug/l #	1
37) Ethyl Acetate	7.081	43	294948	146.142	ug/l #	62
38) Carbon Tetrachloride	7.881	117	21934	4.242	ug/l #	14
39) Methylcyclohexane	9.469	83	1702107	281.220	ug/l #	1
40) Benzene	8.252	78	2158203	132.607	ug/l	100
41) Methacrylonitrile	7.457	41	330947	307.221	ug/l #	28
42) 1,2-Dichloroethane	8.381	62	97155	24.078	ug/l #	1
43) Isopropyl Acetate	8.369	43	6291483	1693.107	ug/l #	44
45) 1,2-Dichloropropane	9.293	63	764085	193.289	ug/l #	1
46) Dibromomethane	9.416	93	7906	3.442	ug/l #	1
47) Bromodichloromethane	9.569	83	4103496	739.223	ug/l #	31
48) Methyl methacrylate	9.340	41	3685004	2182.407	ug/l #	15
49) 1,4-Dioxane	9.340	88	670	32.313	ug/l #	1
51) 4-Methyl-2-Pentanone	10.216	43	1216659	626.047	ug/l #	62
52) Toluene	10.340	92	314765	30.232	ug/l #	67
53) t-1,3-Dichloropropene	10.575	75	9910	1.911	ug/l #	1
54) cis-1,3-Dichloropropene	10.063	75	14684	2.363	ug/l #	1
55) 1,1,2-Trichloroethane	10.710	97	19872465	6360.526	ug/l #	23
56) Ethyl methacrylate	10.622	69	8506135	2534.140	ug/l #	48
58) 2-Chloroethyl Vinyl ether	9.857	63	249619	156.016	ug/l #	43
59) 2-Hexanone	10.904	43	15722436	11275.542	ug/l #	22
60) Dibromochloromethane	11.010	129	67914	17.747	ug/l #	12

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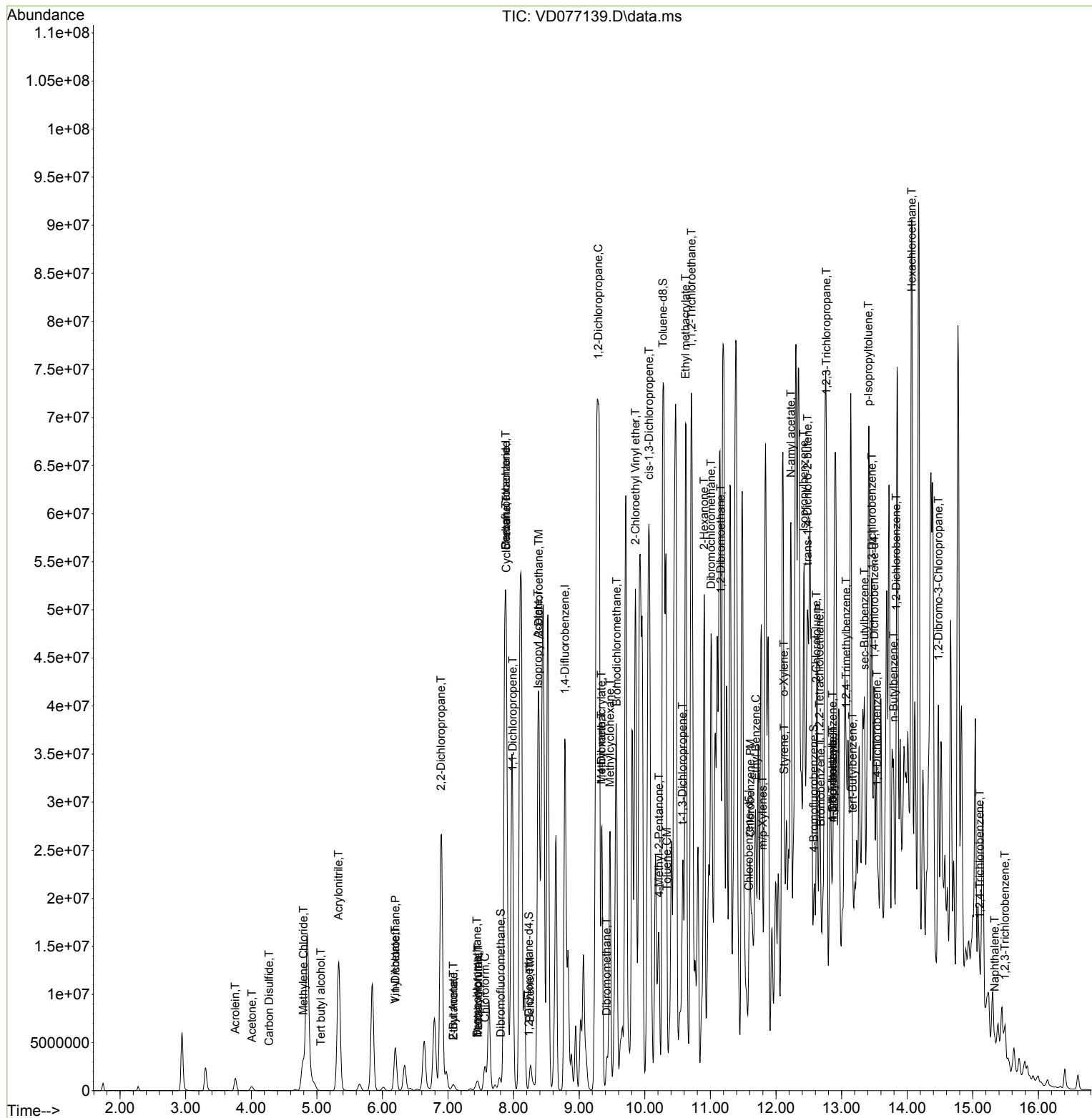
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	11.157	107	96717	32.021	ug/l #	1
65) Chlorobenzene	11.610	112	3950077	377.553	ug/l	97
67) Ethyl Benzene	11.693	91	1901485	105.736	ug/l	94
68) m/p-Xylenes	11.798	106	536612	74.526	ug/l #	66
69) o-Xylene	12.122	106	122880	18.593	ug/l #	1
70) Styrene	12.128	104	12012	1.067	ug/l #	28
73) Isopropylbenzene	12.422	105	16562838	349.830	ug/l	93
74) N-amyl acetate	12.228	43	8978589	1009.553	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.663	83	692606	77.518	ug/l #	74
76) 1,2,3-Trichloropropane	12.769	75	319693	62.549	ug/l #	100
77) Bromobenzene	12.681	156	16757	1.421	ug/l #	1
78) n-propylbenzene	12.863	91	452082	7.812	ug/l #	1
79) 2-Chlorotoluene	12.616	91	249254	7.810	ug/l	91
80) 1,3,5-Trimethylbenzene	12.863	105	2177144	55.061	ug/l	64
81) trans-1,4-Dichloro-2-b...	12.481	75	13967	5.172	ug/l #	1
82) 4-Chlorotoluene	12.863	91	452082	13.479	ug/l #	36
83) tert-Butylbenzene	13.169	119	852241	25.228	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.069	105	11117212	277.275	ug/l	76
85) sec-Butylbenzene	13.351	105	8063770	159.074	ug/l #	67
86) p-Isopropyltoluene	13.410	119	5398122	125.527	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	190153	7.843	ug/l #	1
88) 1,4-Dichlorobenzene	13.540	146	718035	30.101	ug/l #	1
89) n-Butylbenzene	13.792	91	9385908	236.595	ug/l #	77
90) Hexachloroethane	14.069	117	4643201	544.429	ug/l #	11
91) 1,2-Dichlorobenzene	13.834	146	64071	3.082	ug/l #	77
92) 1,2-Dibromo-3-Chloropr...	14.475	75	61001	51.131	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.104	180	14195	1.107	ug/l #	1
95) Naphthalene	15.334	128	970456	41.266	ug/l	96
96) 1,2,3-Trichlorobenzene	15.492	180	26548	2.329	ug/l #	1

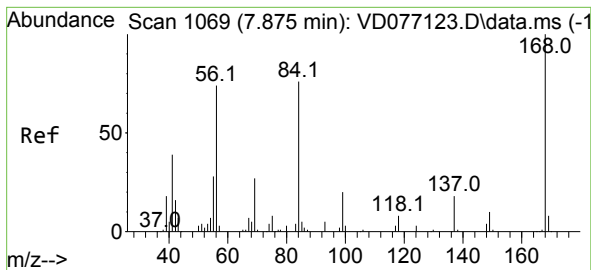
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

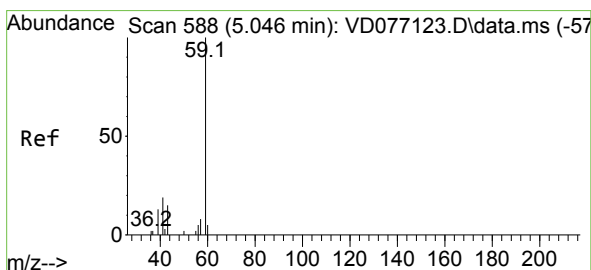
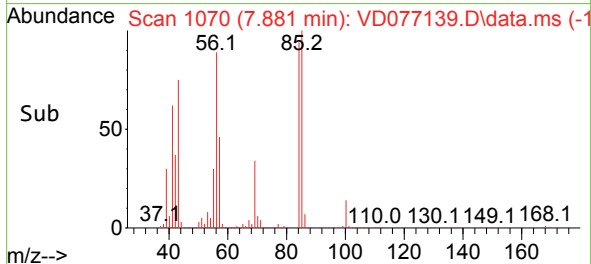
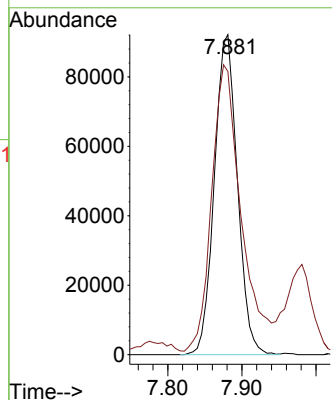
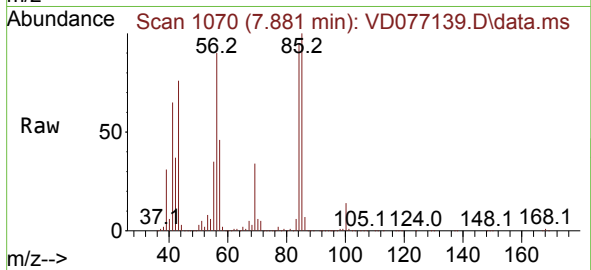
ClientSampleId :

Tgt Ion:168 Resp: 198949

Ion Ratio Lower Upper

168 100

99 87.3 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.511 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD077139.D

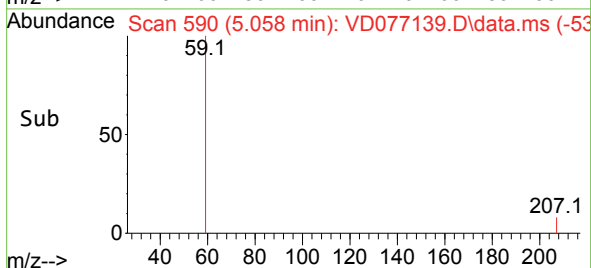
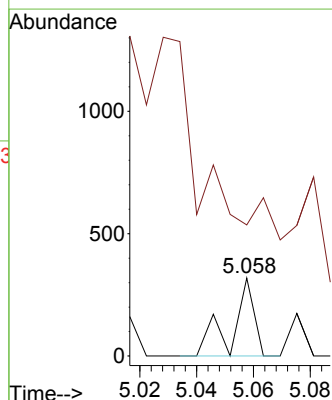
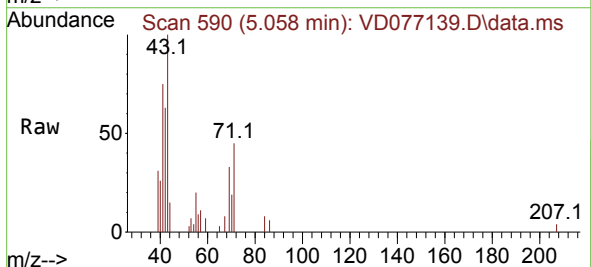
Acq: 18 Sep 2023 19:36

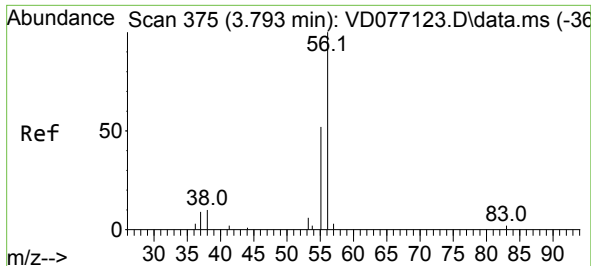
Tgt Ion: 59 Resp: 173

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: 747.116 ug/l

RT: 3.758 min Scan# 30

Delta R.T. -0.035 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

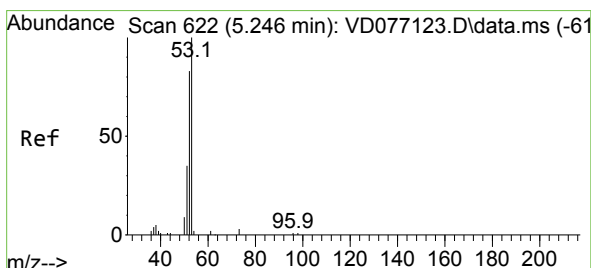
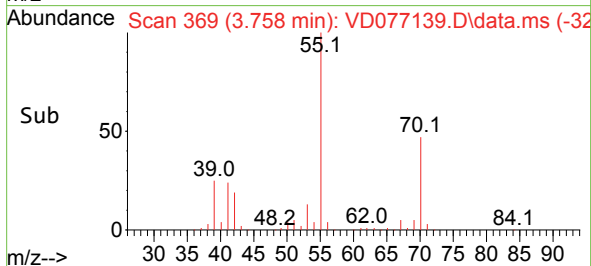
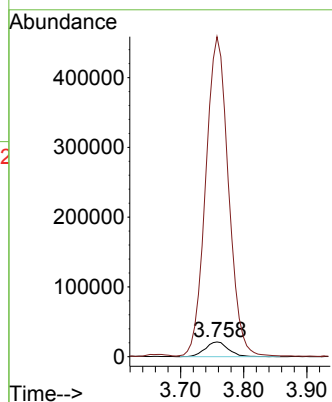
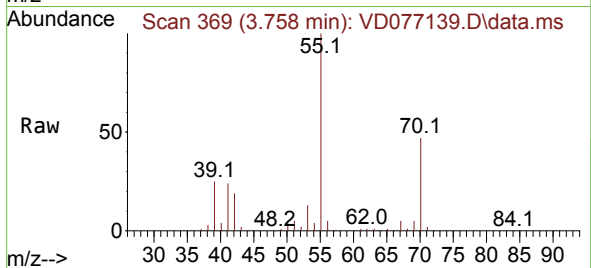
ClientSampleId :

Tgt Ion: 56 Resp: 53771

Ion Ratio Lower Upper

56 100

55 2130.6 55.1 82.7#



#15

Acrylonitrile

Concen: 923.932 ug/l

RT: 5.328 min Scan# 636

Delta R.T. 0.083 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

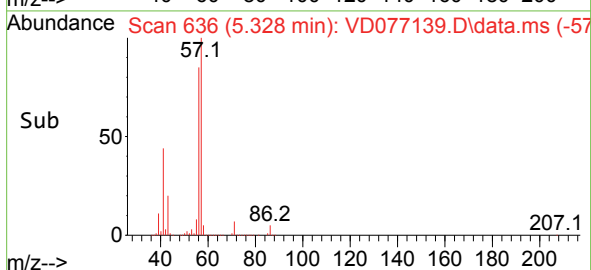
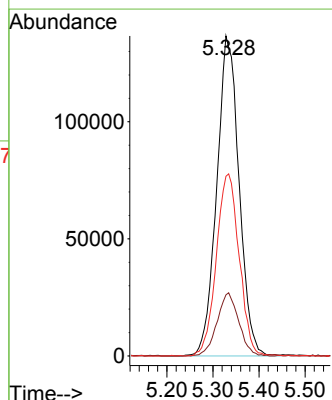
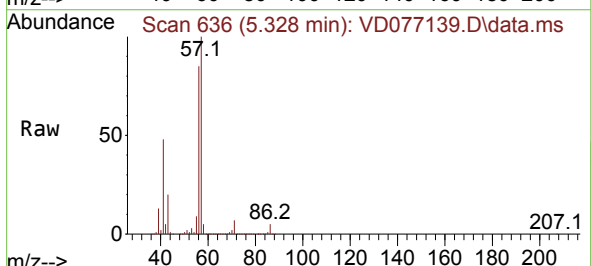
Tgt Ion: 53 Resp: 459476

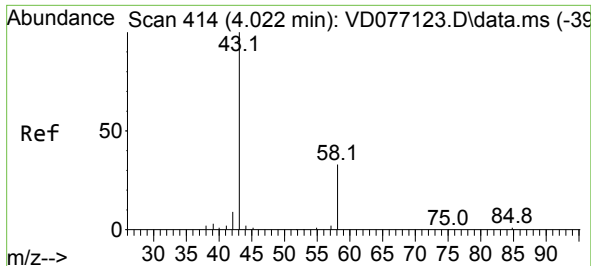
Ion Ratio Lower Upper

53 100

52 19.2 65.0 97.4#

51 58.3 28.3 42.5#

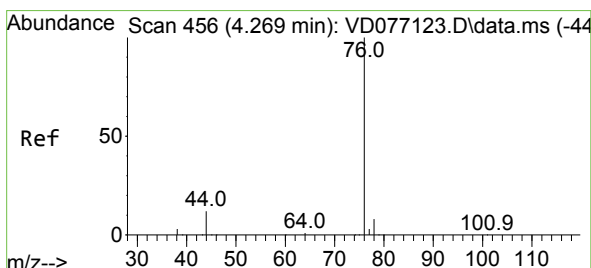
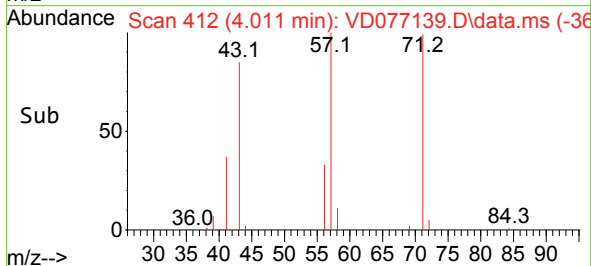
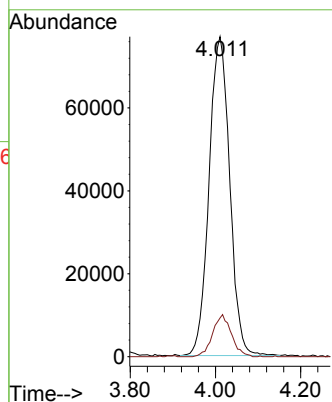
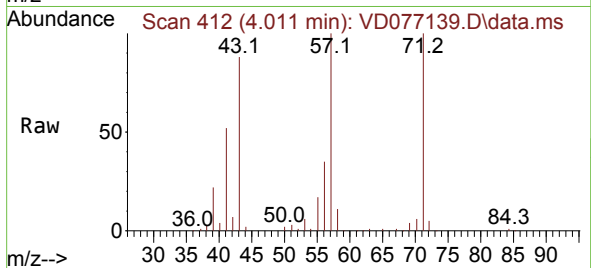




#16
Acetone
Concen: 564.366 ug/l
RT: 4.011 min Scan# 412
Delta R.T. -0.012 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

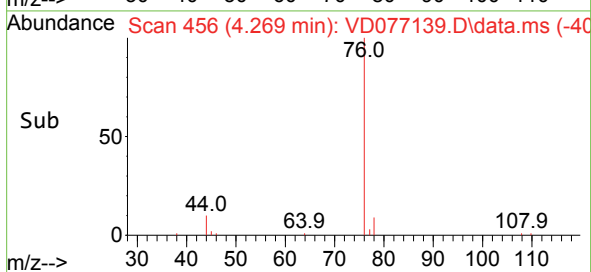
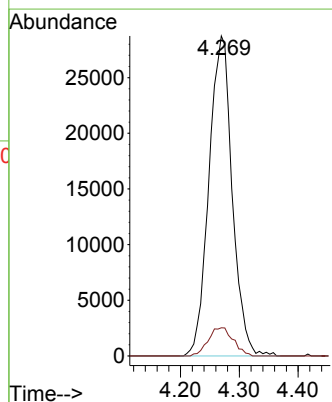
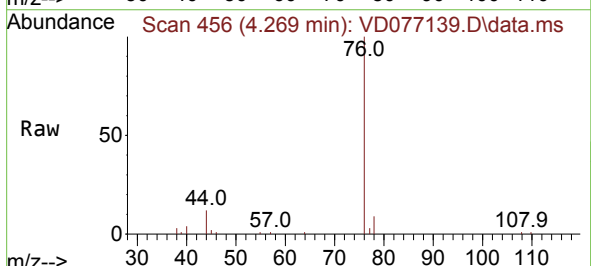
Instrument :
MSVOA_D
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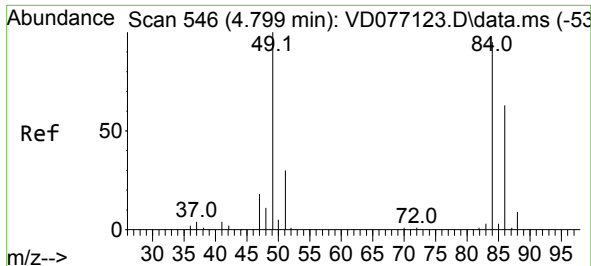
Tgt Ion: 43 Resp: 258983
Ion Ratio Lower Upper
43 100
58 12.1 34.7 52.1#



#17
Carbon Disulfide
Concen: 10.383 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

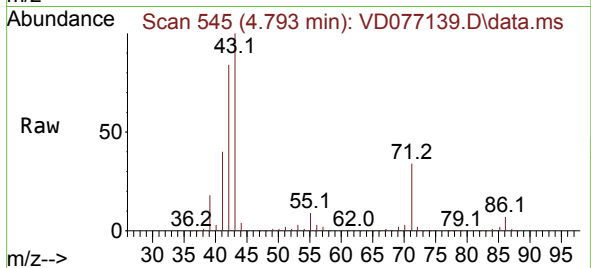
Tgt Ion: 76 Resp: 79108
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



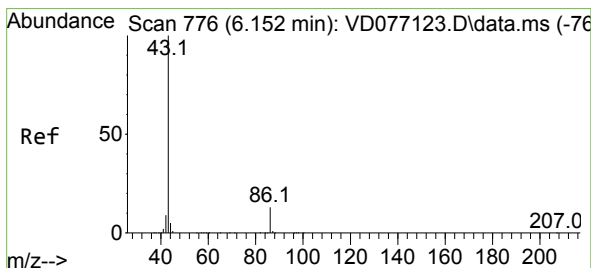
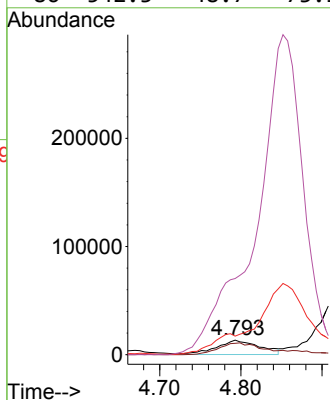
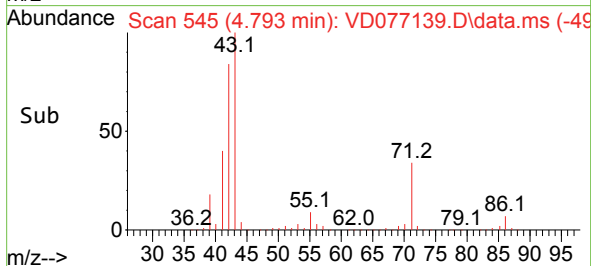


#20
Methylene Chloride
Concen: 11.740 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

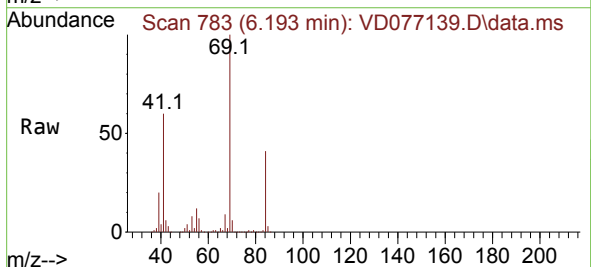
Instrument :
MSVOA_D
ClientSampleId :



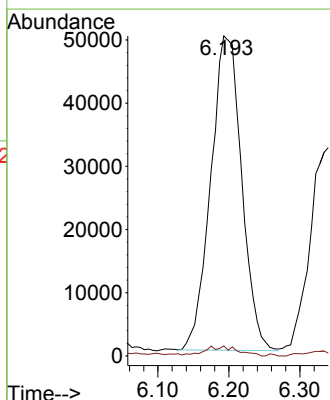
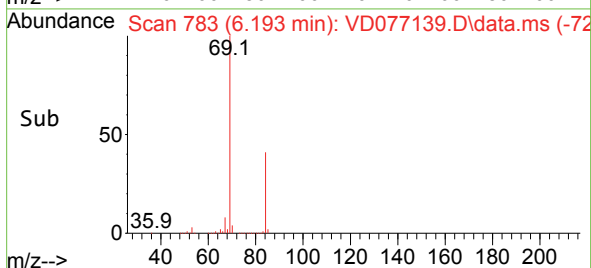
Tgt Ion: 84 Resp: 49202
Ion Ratio Lower Upper
84 100
49 82.6 71.4 107.2
51 131.3 24.5 36.7#
86 542.3 48.7 73.1#

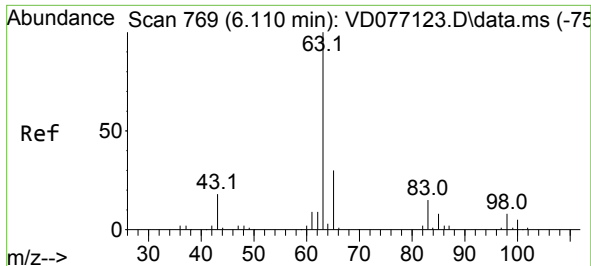


#23
Vinyl Acetate
Concen: 59.002 ug/l
RT: 6.193 min Scan# 783
Delta R.T. 0.041 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36



Tgt Ion: 43 Resp: 150587
Ion Ratio Lower Upper
43 100
86 3.2 12.5 18.7#

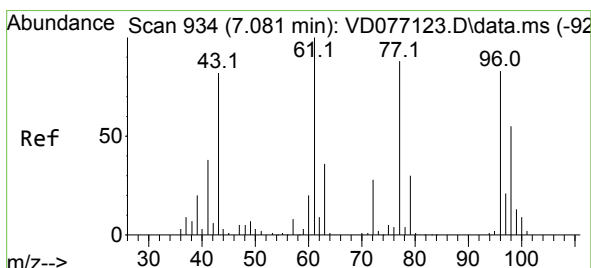
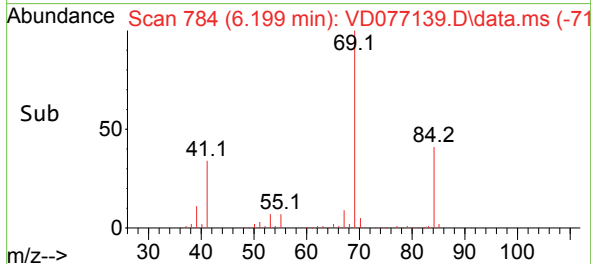
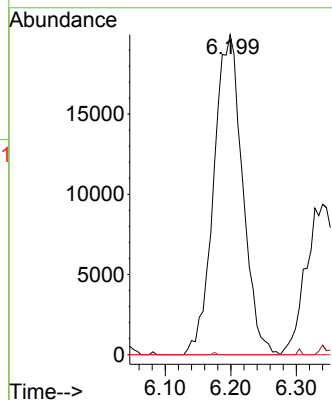
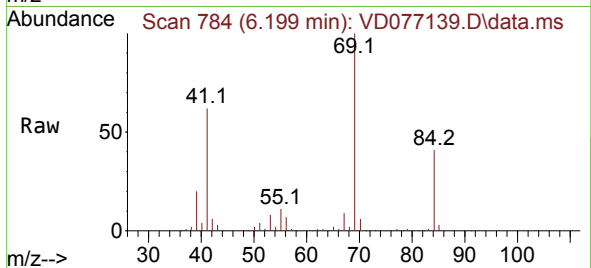




#24
1,1-Dichloroethane
Concen: 13.284 ug/l
RT: 6.199 min Scan# 71
Delta R.T. 0.088 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

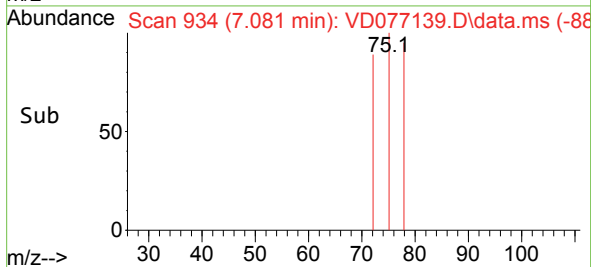
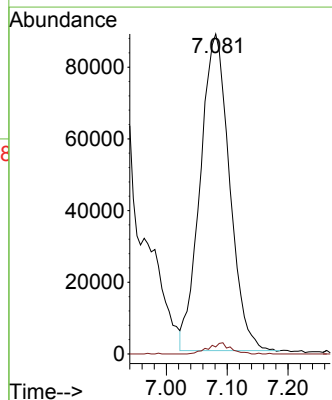
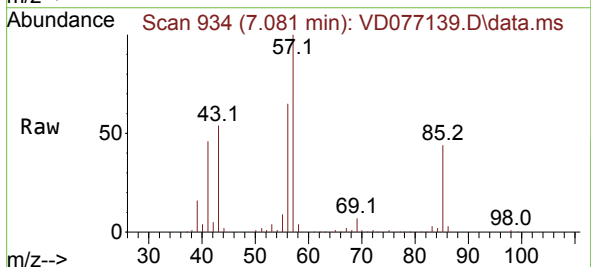
Instrument :
MSVOA_D
ClientSampleId :

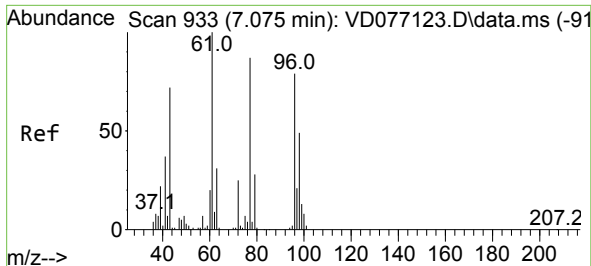
Tgt Ion: 63 Resp: 60866
Ion Ratio Lower Upper
63 100
98 0.0 4.5 13.7#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 488.551 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 43 Resp: 294948
Ion Ratio Lower Upper
43 100
72 2.3 30.7 46.1#

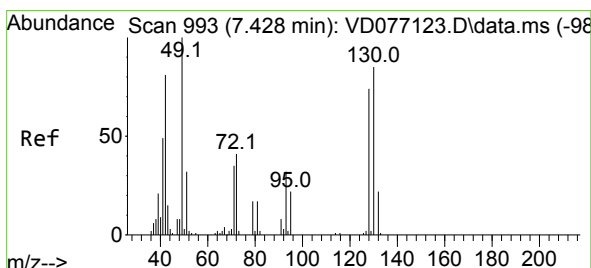
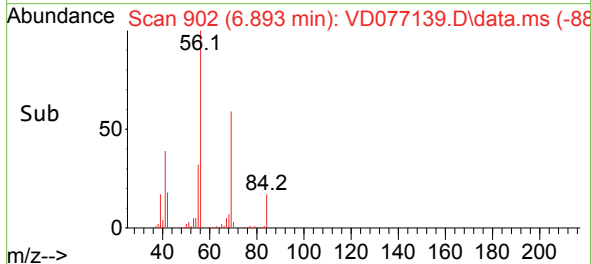
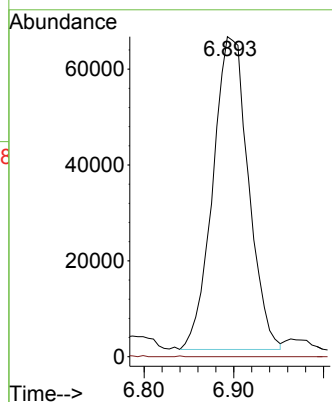
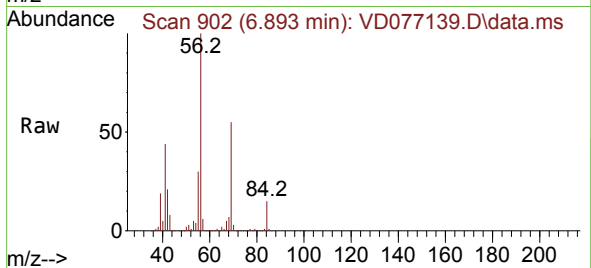




#26
2,2-Dichloropropane
Concen: 46.190 ug/l
RT: 6.893 min Scan# 901
Delta R.T. -0.182 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

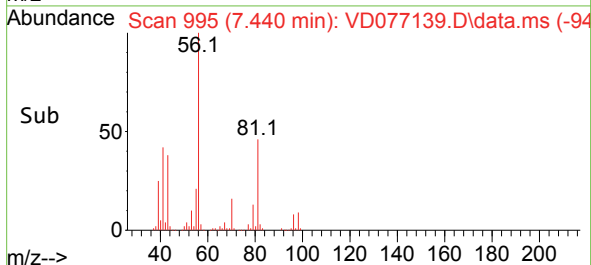
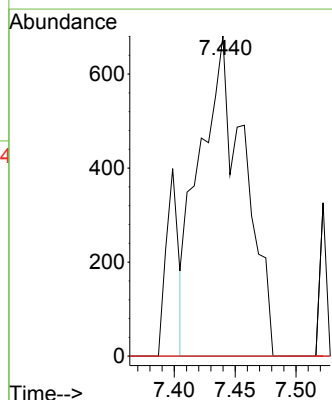
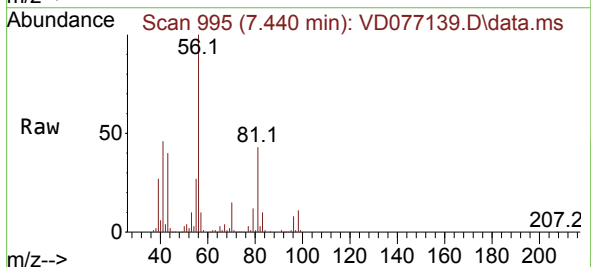
Instrument :
MSVOA_D
ClientSampleId :

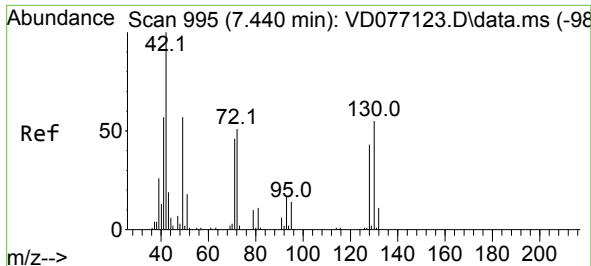
Tgt Ion: 77 Resp: 179650
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 1.242 ug/l
RT: 7.440 min Scan# 995
Delta R.T. 0.012 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 49 Resp: 1748
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 87.434 ug/l

RT: 7.457 min Scan# 995

Delta R.T. 0.018 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

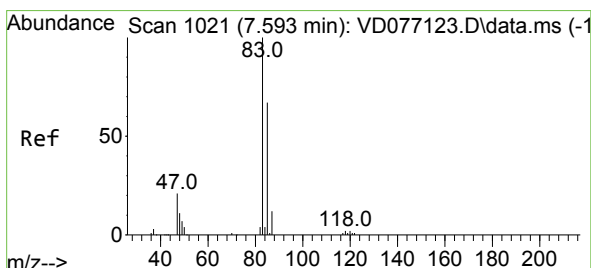
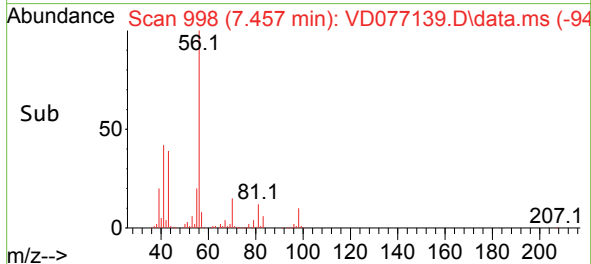
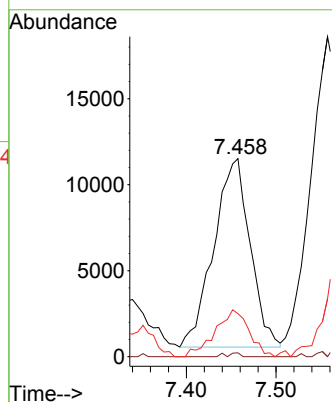
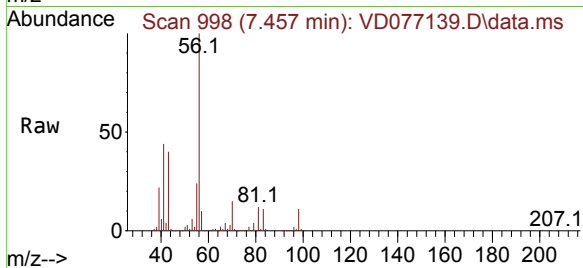
Tgt Ion: 42 Resp: 30858

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#30

Chloroform

Concen: 378.045 ug/l

RT: 7.563 min Scan# 1016

Delta R.T. -0.029 min

Lab File: VD077139.D

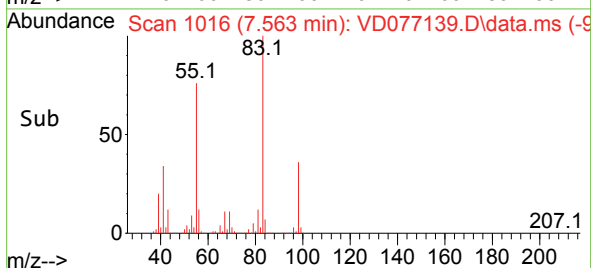
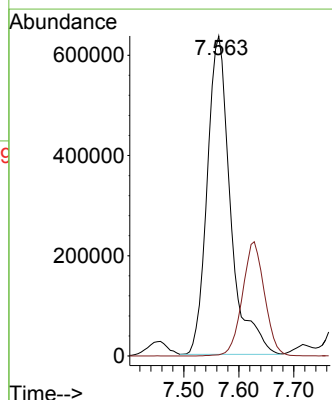
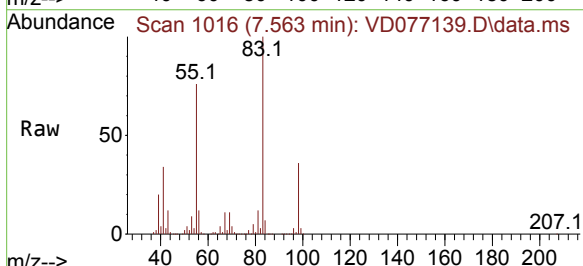
Acq: 18 Sep 2023 19:36

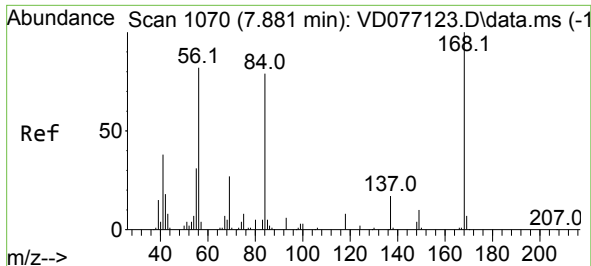
Tgt Ion: 83 Resp: 1866861

Ion Ratio Lower Upper

83 100

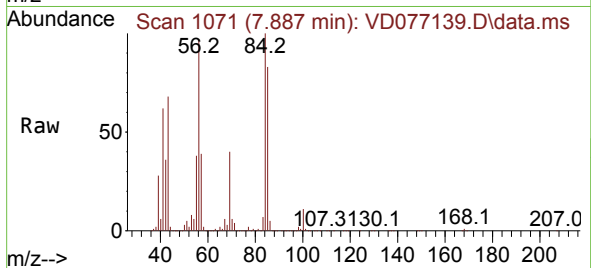
85 0.4 53.4 80.2#



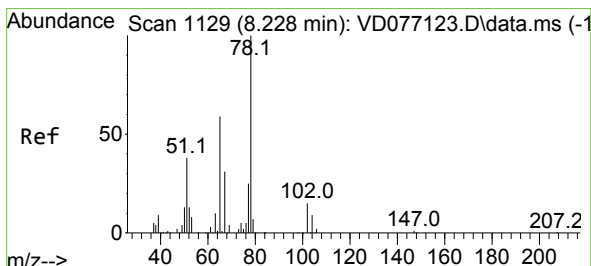
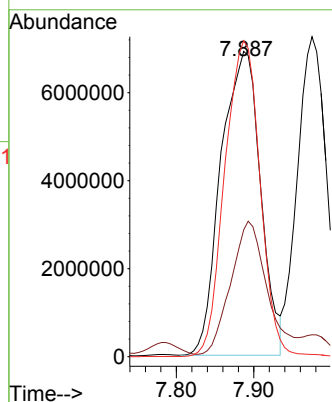
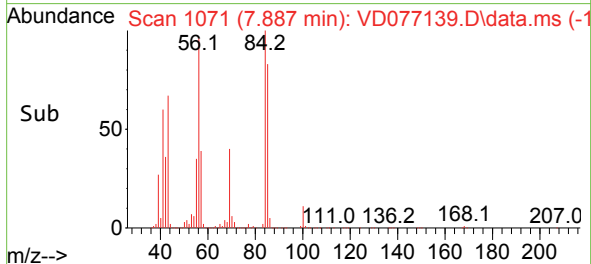


#31
Cyclohexane
Concen: 6963.780 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Instrument :
MSVOA_D
ClientSampleId :

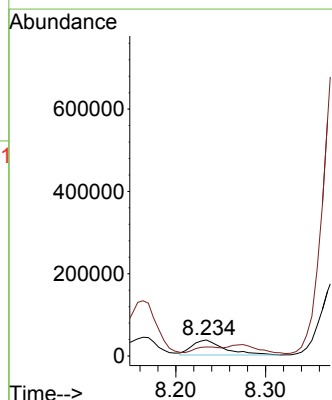
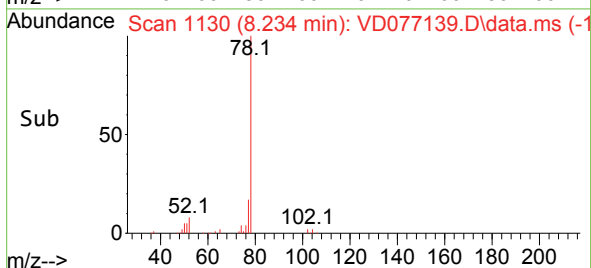
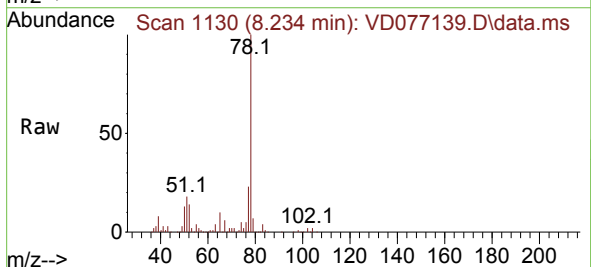


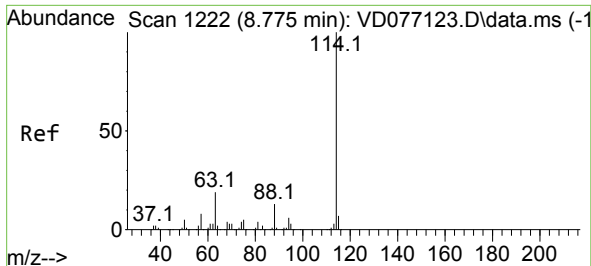
Tgt Ion: 56 Resp: 24461196
Ion Ratio Lower Upper
56 100
69 39.1 28.6 43.0
84 103.9 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 44.956 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 65 Resp: 90263
Ion Ratio Lower Upper
65 100
67 0.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

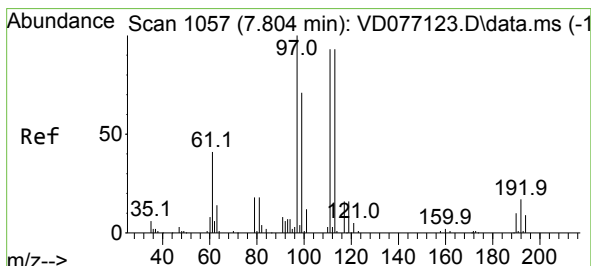
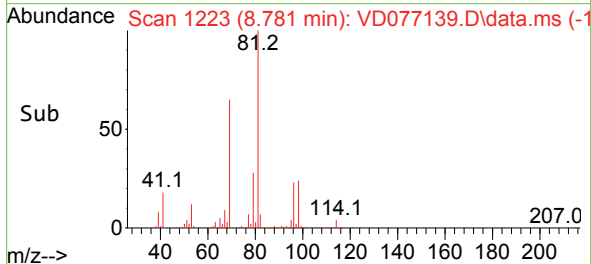
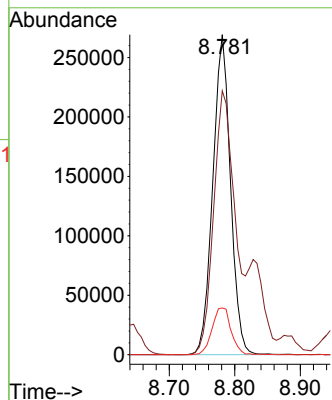
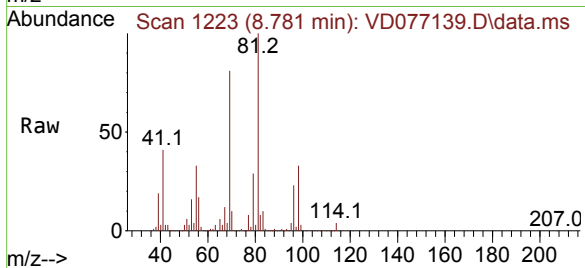
Tgt Ion:114 Resp: 502878

Ion Ratio Lower Upper

114 100

63 82.5 0.0 33.4#

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 34.345 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

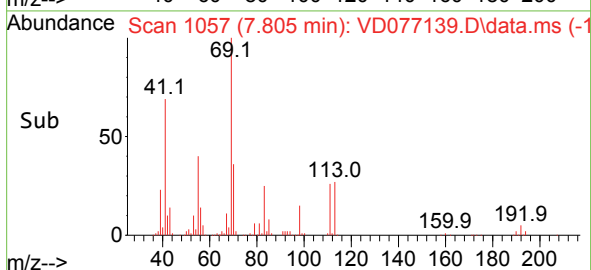
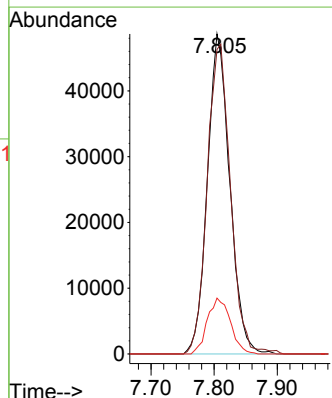
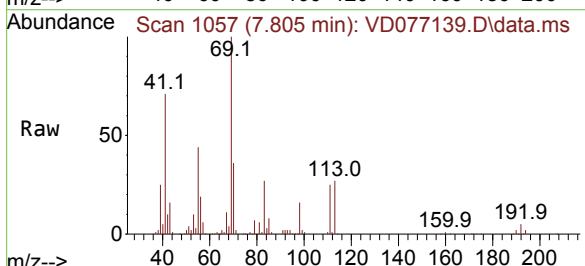
Tgt Ion:113 Resp: 119964

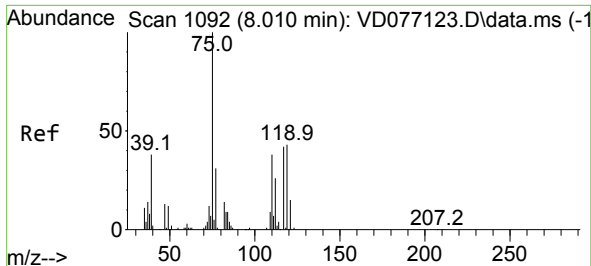
Ion Ratio Lower Upper

113 100

111 100.6 84.7 127.1

192 18.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 1.541 ug/l

RT: 7.987 min Scan# 1092

Delta R.T. -0.023 min

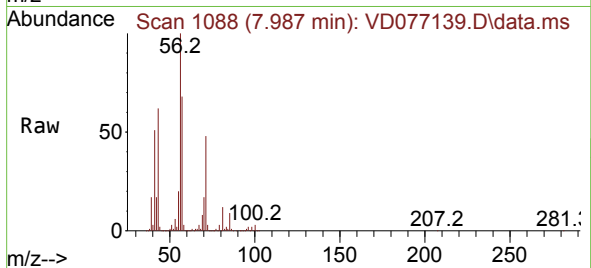
Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

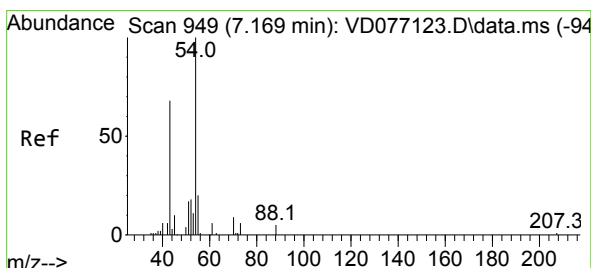
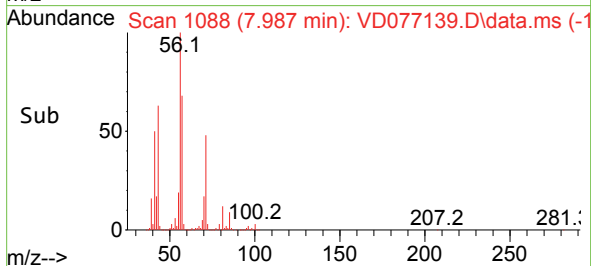
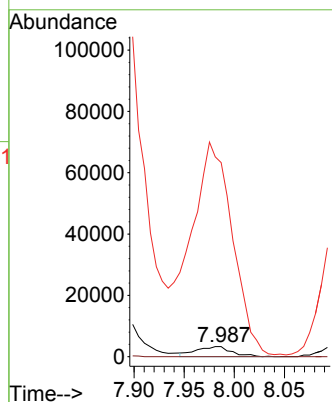
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	8104
Ion Ratio	Lower	Upper	
75	100		
110	0.0	19.9	59.6#
77	2504.4	24.7	37.1#



#37

Ethyl Acetate

Concen: 146.142 ug/l

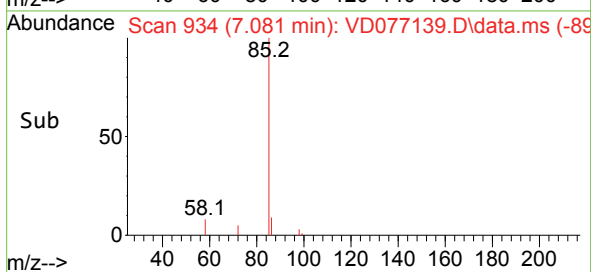
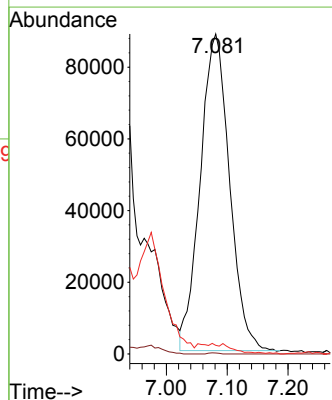
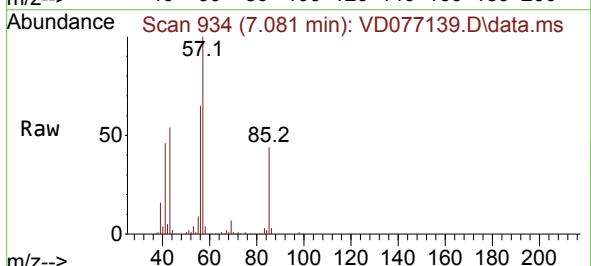
RT: 7.081 min Scan# 934

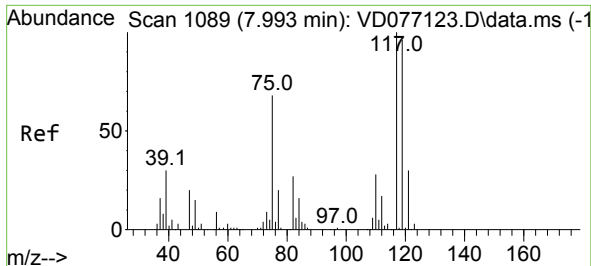
Delta R.T. -0.088 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

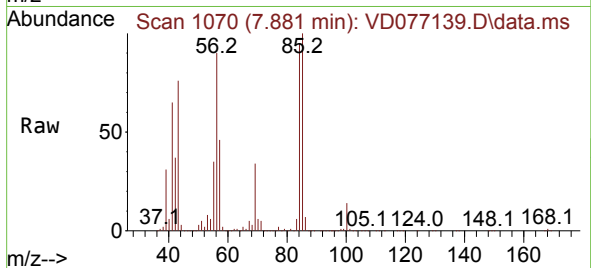
Tgt Ion:	43	Resp:	294948
Ion Ratio	Lower	Upper	
43	100		
61	0.0	14.9	22.3#
70	0.0	10.0	15.0#



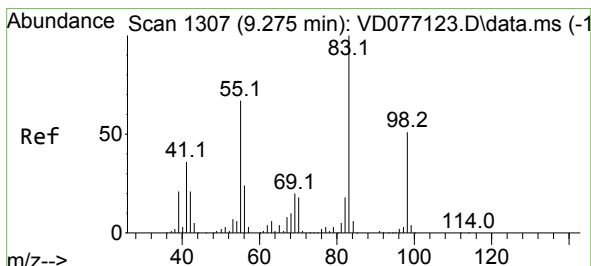
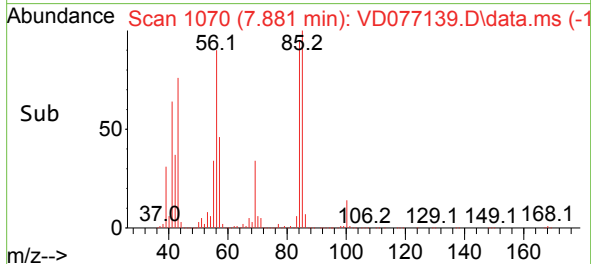
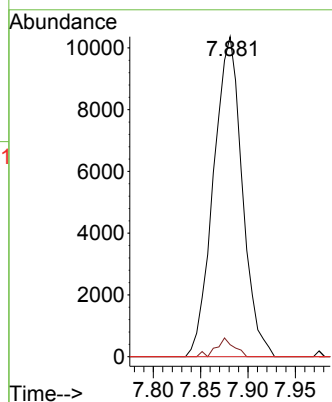


#38
Carbon Tetrachloride
Concen: 4.242 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Instrument :
MSVOA_D
ClientSampleId :

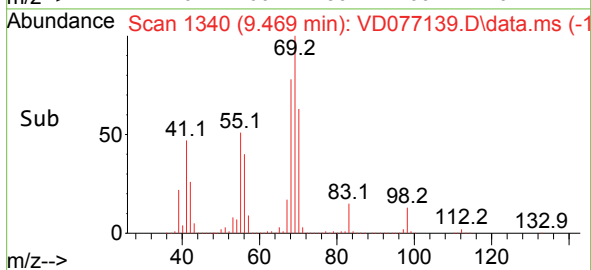
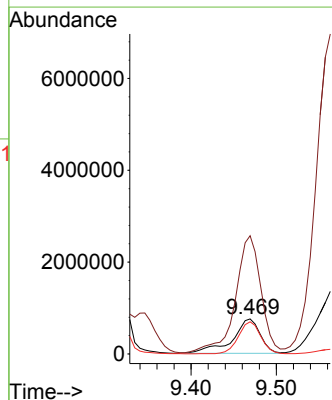
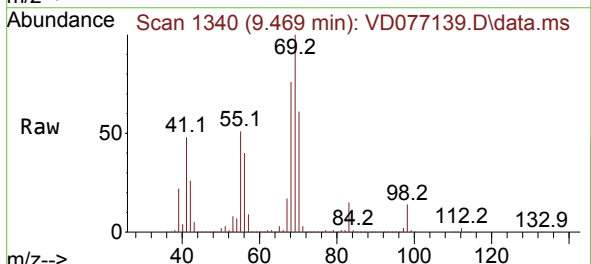


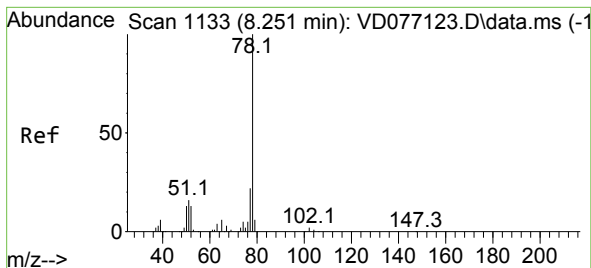
Tgt Ion:117 Resp: 21934
Ion Ratio Lower Upper
117 100
119 3.7 78.0 117.0#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 281.220 ug/l
RT: 9.469 min Scan# 1340
Delta R.T. 0.194 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 83 Resp: 1702107
Ion Ratio Lower Upper
83 100
55 340.0 49.4 74.0#
98 92.7 38.4 57.6#





#40

Benzene

Concen: 132.607 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

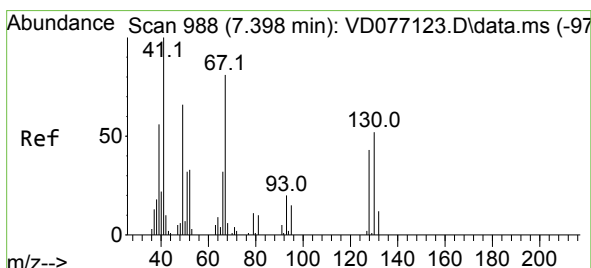
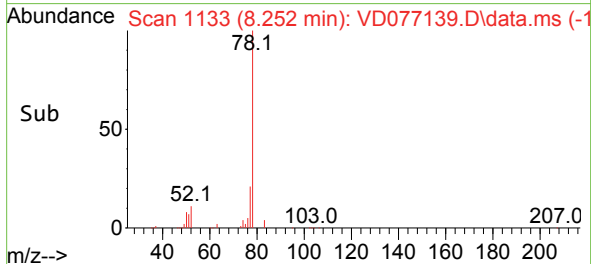
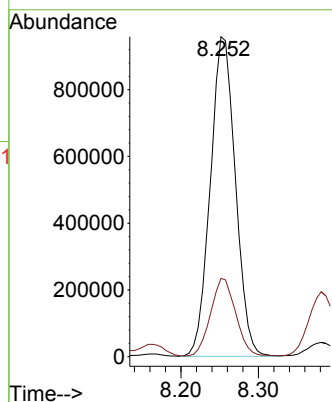
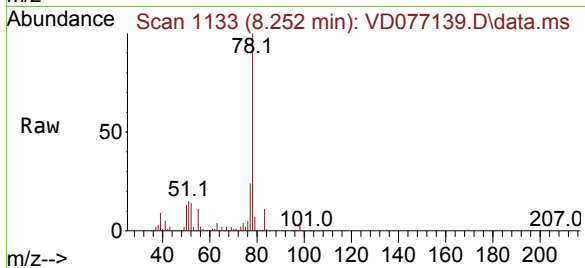
ClientSampleId :

Tgt Ion: 78 Resp: 2158203

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0



#41

Methacrylonitrile

Concen: 307.221 ug/l

RT: 7.457 min Scan# 998

Delta R.T. 0.059 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Tgt Ion: 41 Resp: 330947

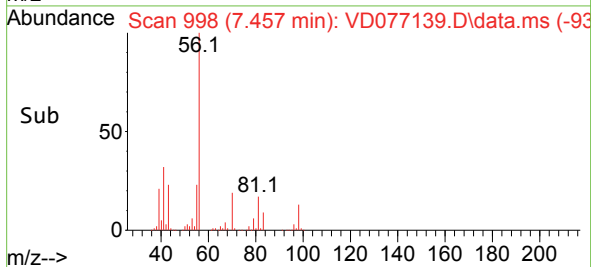
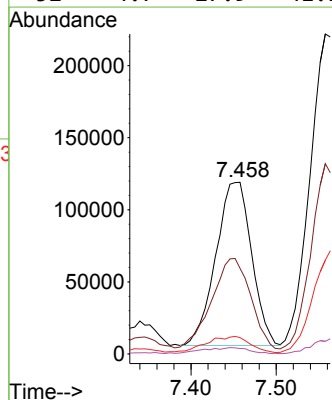
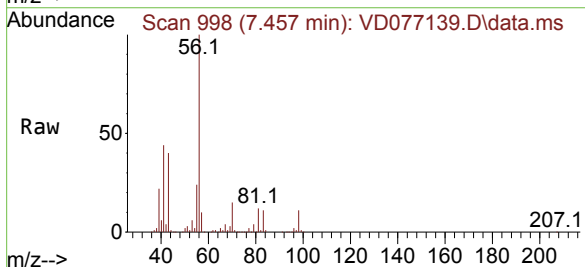
Ion Ratio Lower Upper

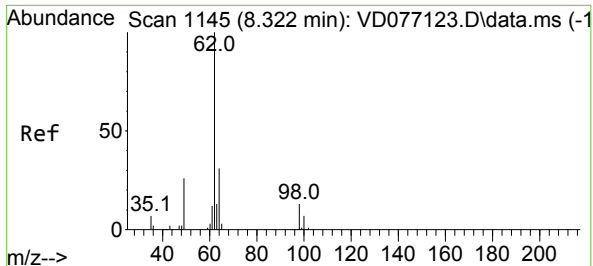
41 100

39 60.2 34.0 51.0#

67 0.0 77.0 115.4#

52 4.7 27.9 41.9#





#42

1,2-Dichloroethane

Concen: 24.078 ug/l

RT: 8.381 min Scan# 1155

Delta R.T. 0.059 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

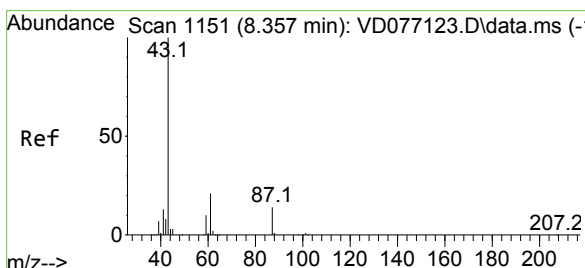
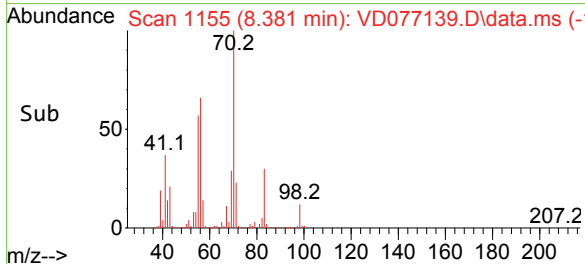
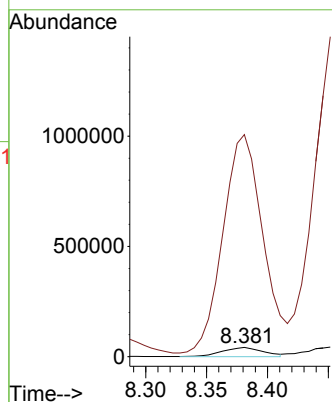
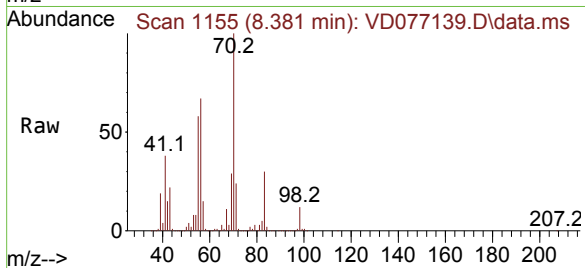
ClientSampleId :

Tgt Ion: 62 Resp: 97155

Ion Ratio Lower Upper

62 100

98 2327.4 0.0 25.4#



#43

Isopropyl Acetate

Concen: 1693.107 ug/l

RT: 8.369 min Scan# 1153

Delta R.T. 0.012 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

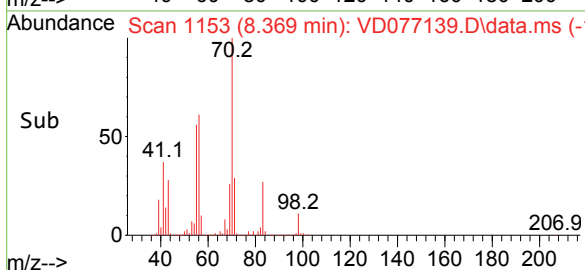
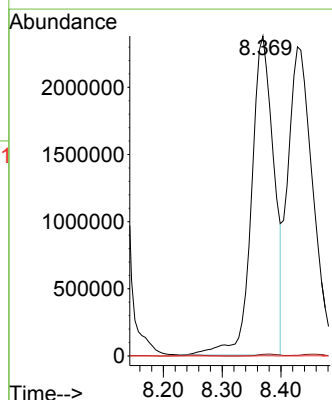
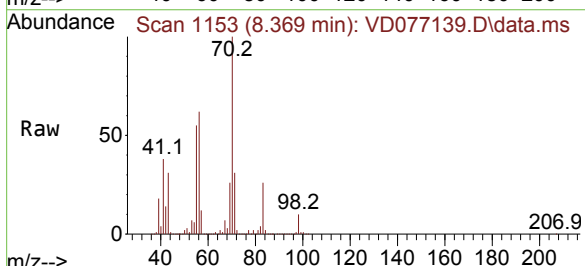
Tgt Ion: 43 Resp: 6291483

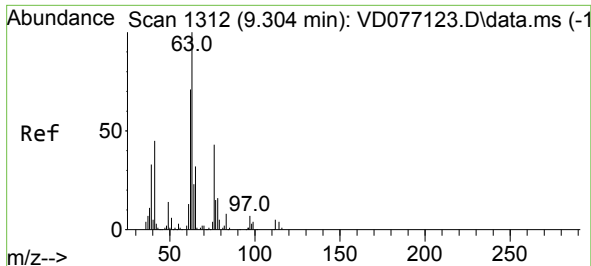
Ion Ratio Lower Upper

43 100

61 0.5 31.4 47.0#

87 0.0 14.9 22.3#





#45

1,2-Dichloropropane

Concen: 193.289 ug/l

RT: 9.293 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

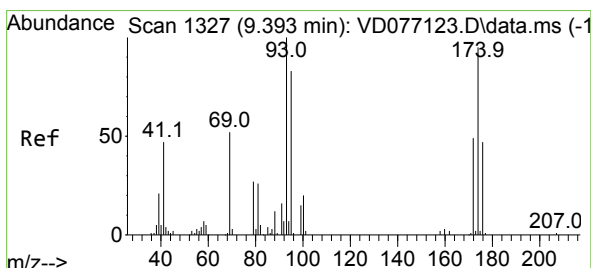
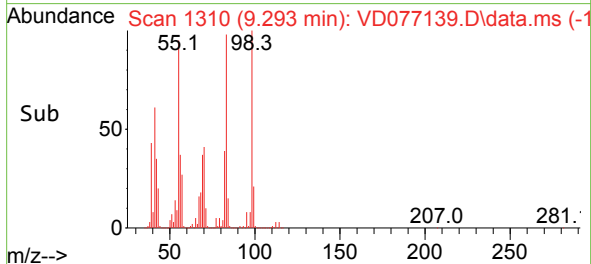
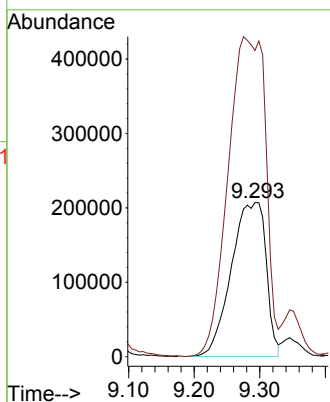
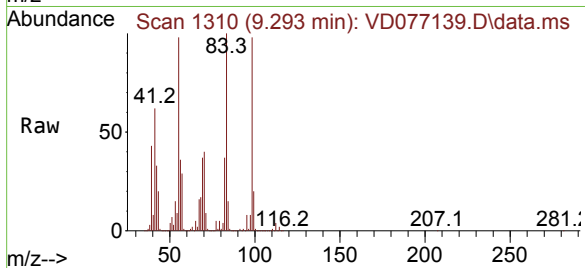
ClientSampleId :

Tgt Ion: 63 Resp: 764085

Ion Ratio Lower Upper

63 100

65 198.3 24.5 36.7#



#46

Dibromomethane

Concen: 3.442 ug/l

RT: 9.416 min Scan# 1331

Delta R.T. 0.024 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

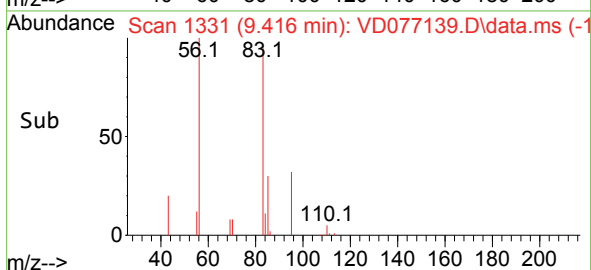
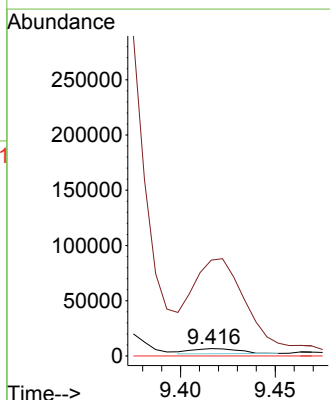
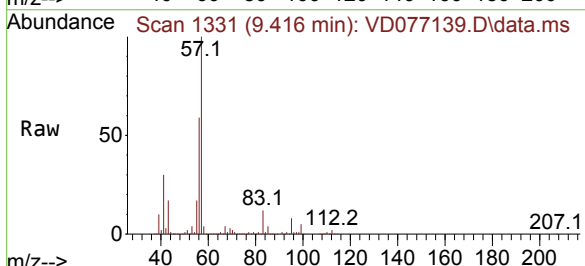
Tgt Ion: 93 Resp: 7906

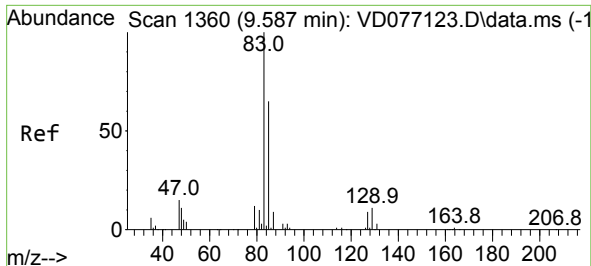
Ion Ratio Lower Upper

93 100

95 2050.6 67.7 101.5#

174 0.0 85.4 128.2#

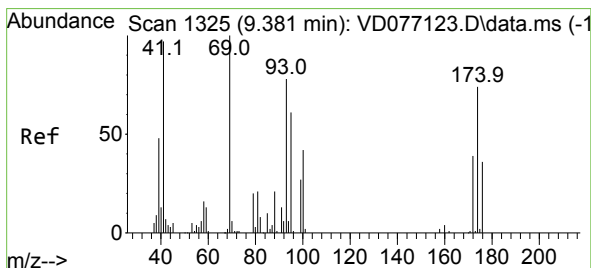
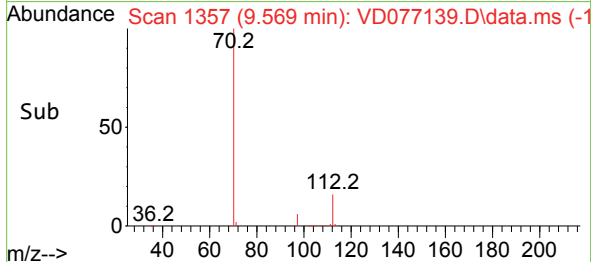
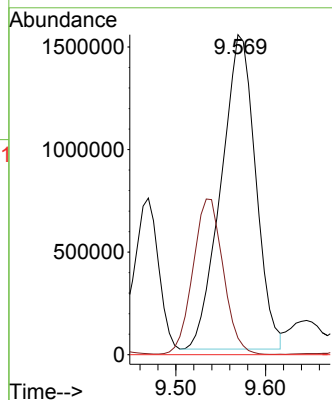
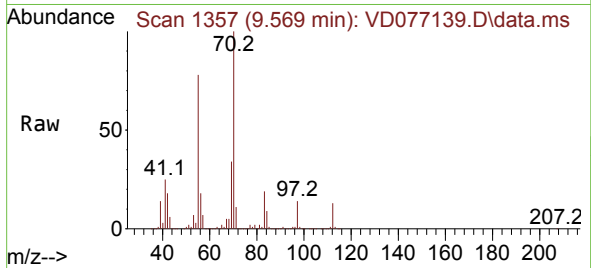




#47
Bromodichloromethane
Concen: 739.223 ug/l
RT: 9.569 min Scan# 1357
Delta R.T. -0.017 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

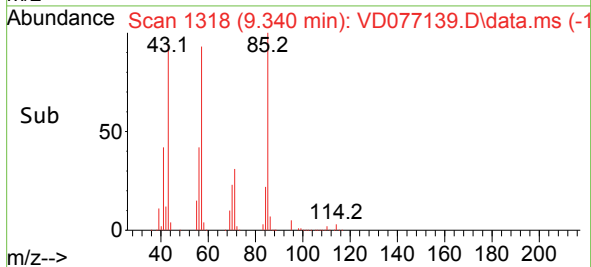
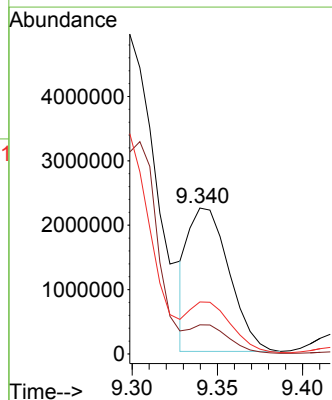
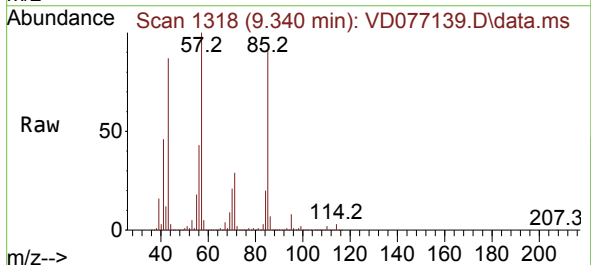
Instrument :
MSVOA_D
ClientSampleId :

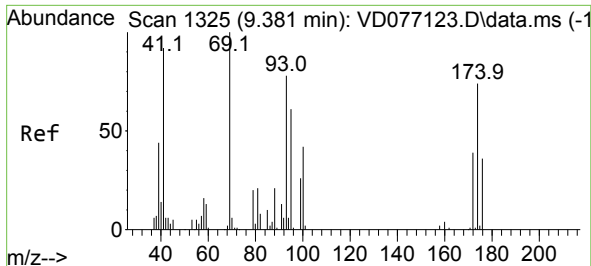
Tgt Ion: 83 Resp: 4103496
Ion Ratio Lower Upper
83 100
85 5.2 50.2 75.4#
127 0.0 6.3 9.5#



#48
Methyl methacrylate
Concen: 2182.407 ug/l
RT: 9.340 min Scan# 1318
Delta R.T. -0.041 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 41 Resp: 3685004
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 36.6 41.4 62.2#





#49

1,4-Dioxane

Concen: 32.313 ug/l

RT: 9.340 min Scan# 11

Delta R.T. -0.041 min

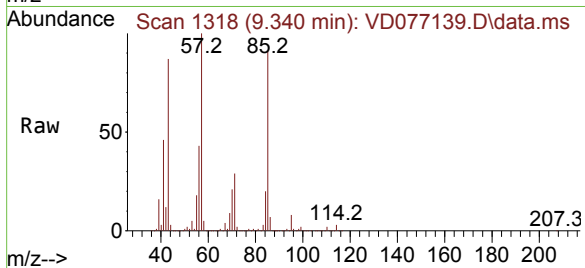
Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :



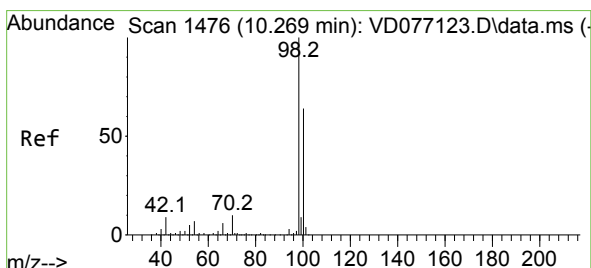
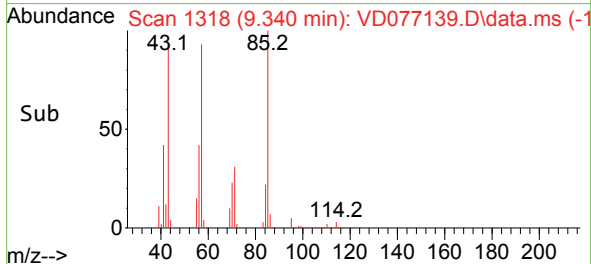
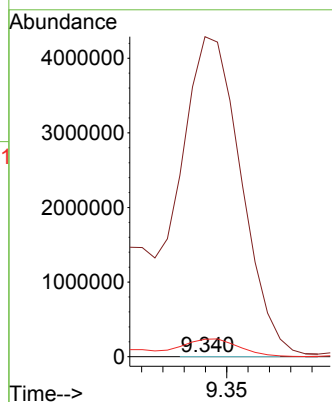
Tgt Ion: 88 Resp: 670

Ion Ratio Lower Upper

88 100

43 1261570.1 19.0 28.6#

58 65896.4 43.5 65.3#



#50

Toluene-d8

Concen: 518.936 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD077139.D

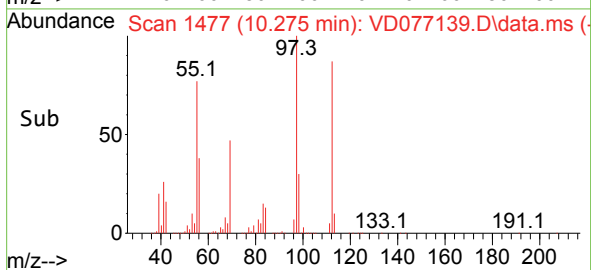
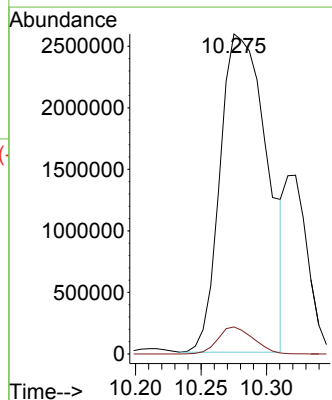
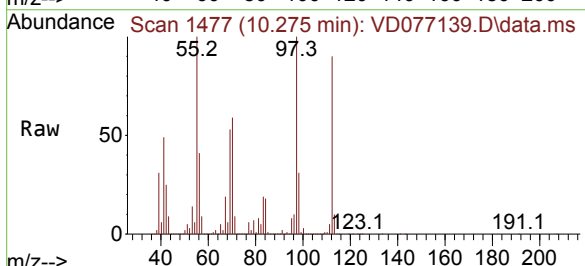
Acq: 18 Sep 2023 19:36

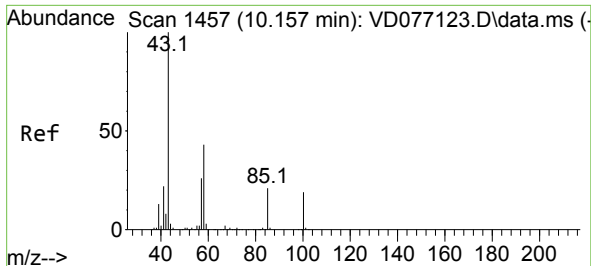
Tgt Ion: 98 Resp: 6451864

Ion Ratio Lower Upper

98 100

100 6.4 50.3 75.5#





#51

4-Methyl-2-Pentanone

Concen: 626.047 ug/l

RT: 10.216 min Scan# 1467

Delta R.T. 0.059 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

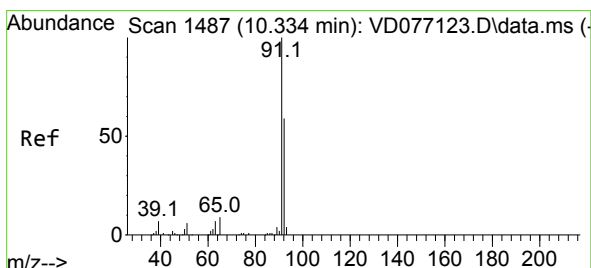
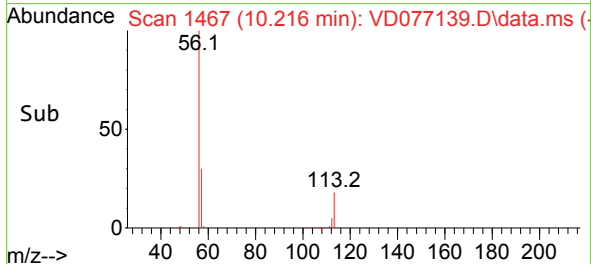
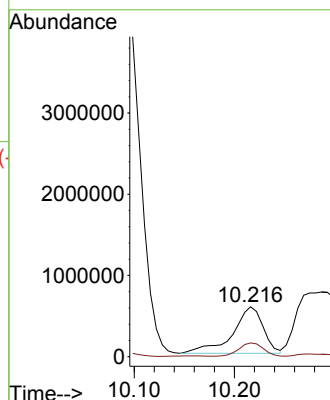
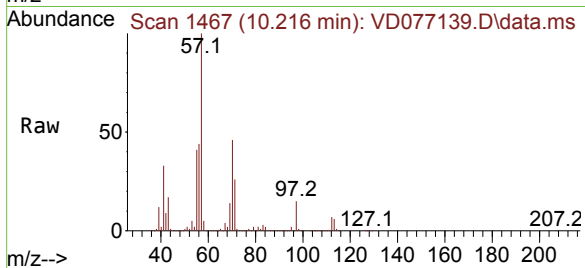
ClientSampleId :

Tgt Ion: 43 Resp: 1216659

Ion Ratio Lower Upper

43 100

58 22.7 38.9 58.3#



#52

Toluene

Concen: 30.232 ug/l

RT: 10.340 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VD077139.D

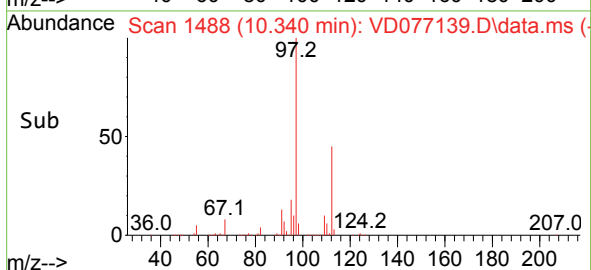
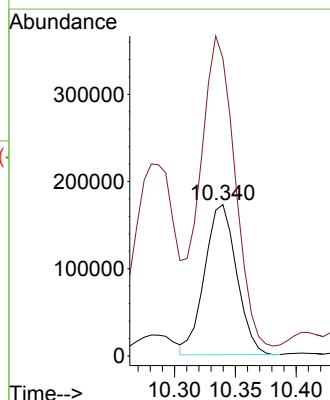
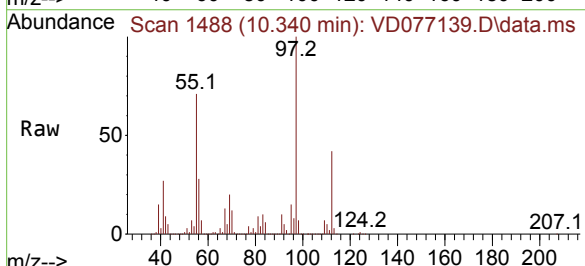
Acq: 18 Sep 2023 19:36

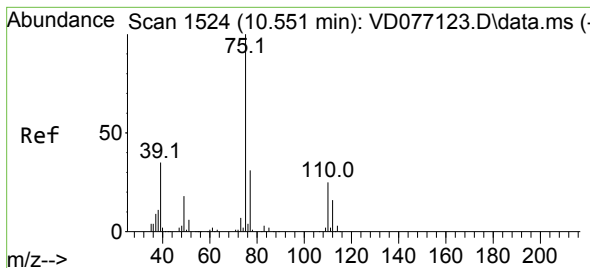
Tgt Ion: 92 Resp: 314765

Ion Ratio Lower Upper

92 100

91 225.9 143.0 214.4#

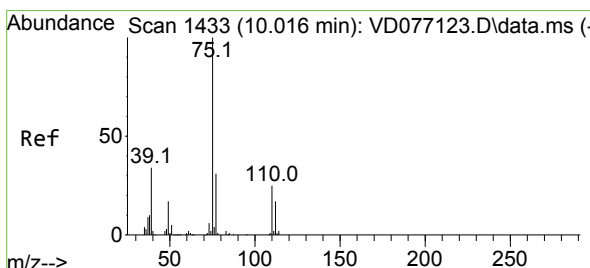
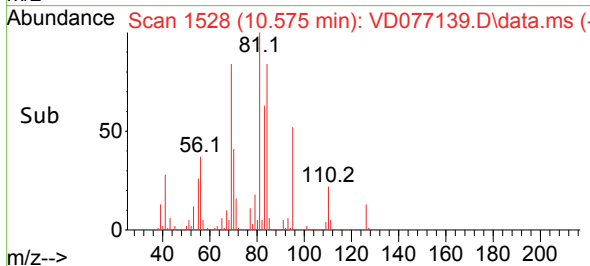
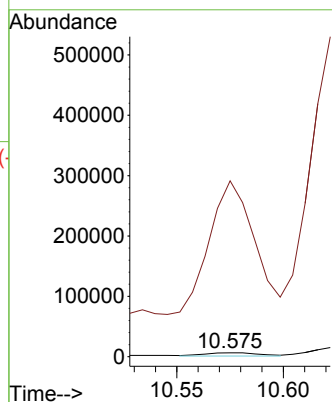
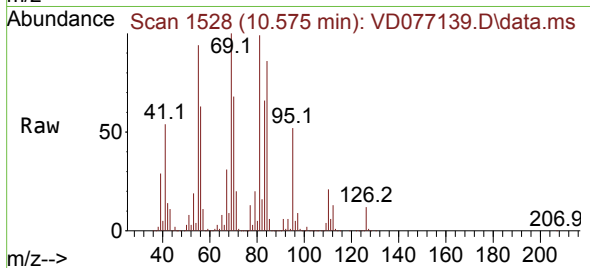




#53
 t-1,3-Dichloropropene
 Concen: 1.911 ug/l
 RT: 10.575 min Scan# 1528
 Delta R.T. 0.024 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

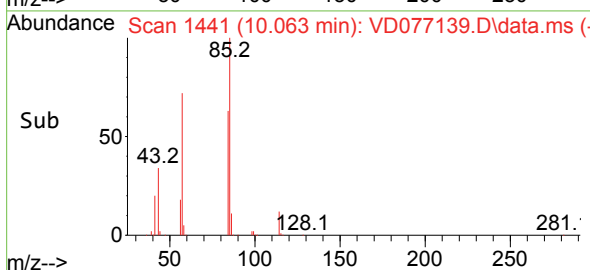
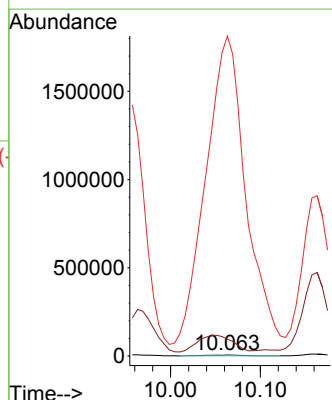
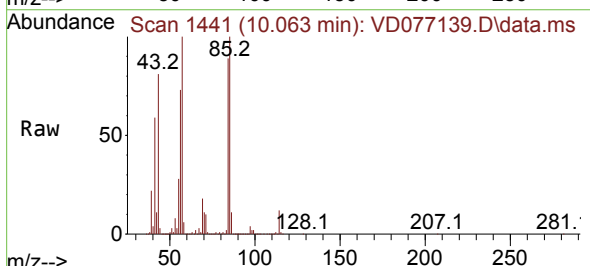
Instrument :
 MSVOA_D
 ClientSampleId :

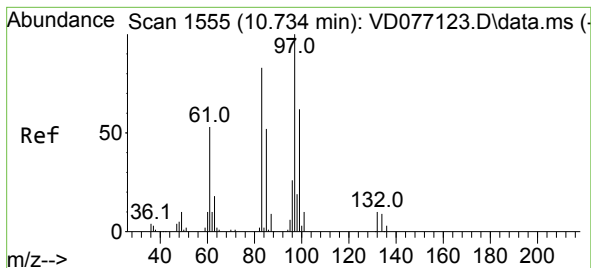
Tgt Ion: 75 Resp: 9910
 Ion Ratio Lower Upper
 75 100
 77 4922.0 25.3 37.9#



#54
 cis-1,3-Dichloropropene
 Concen: 2.363 ug/l
 RT: 10.063 min Scan# 1441
 Delta R.T. 0.047 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

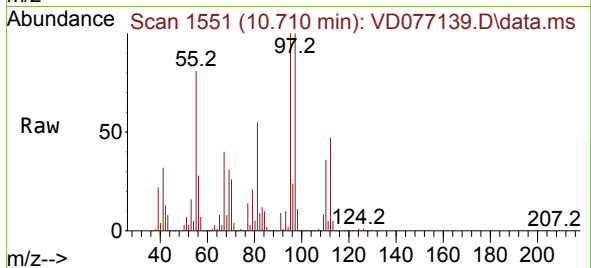
Tgt Ion: 75 Resp: 14684
 Ion Ratio Lower Upper
 75 100
 77 1496.0 25.5 38.3#
 39 35466.2 22.1 33.1#





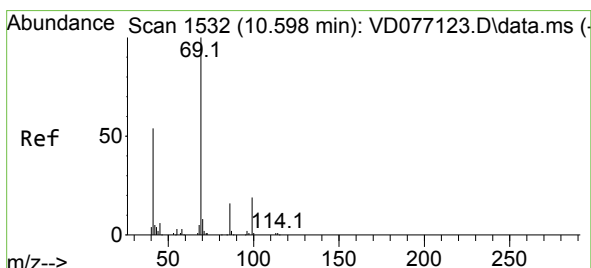
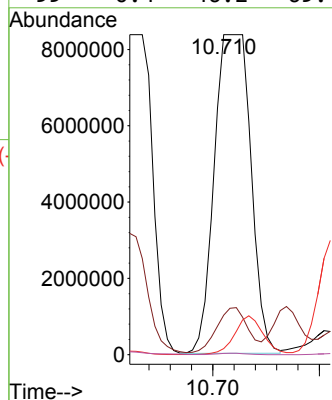
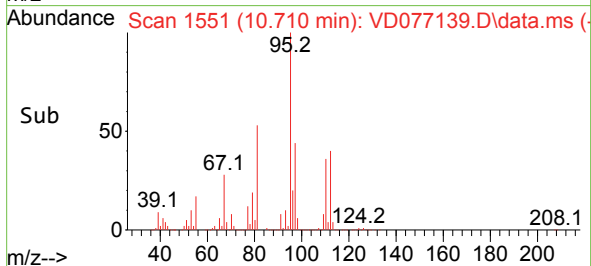
#55
1,1,2-Trichloroethane
Concen: 6360.526 ug/l
RT: 10.710 min Scan# 1551
Delta R.T. -0.023 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 97 Resp:19872465

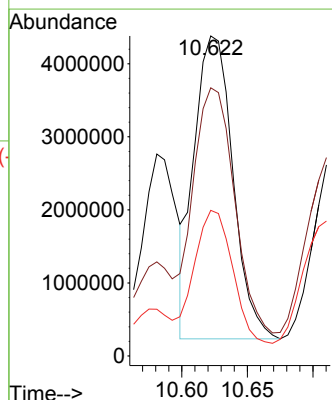
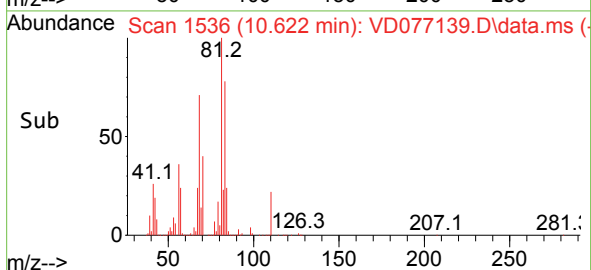
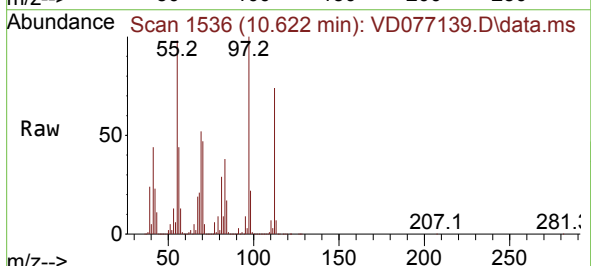
Ion	Ratio	Lower	Upper
97	100		
83	11.5	65.8	98.6#
85	1.9	45.7	68.5#
99	0.4	46.2	69.4#

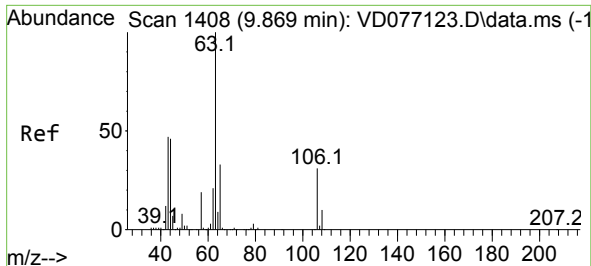


#56
Ethyl methacrylate
Concen: 2534.140 ug/l
RT: 10.622 min Scan# 1536
Delta R.T. 0.024 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 69 Resp: 8506135

Ion	Ratio	Lower	Upper
69	100		
41	87.0	39.1	58.7#
39	46.7	20.0	30.0#

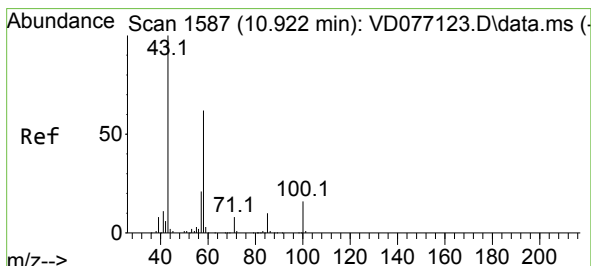
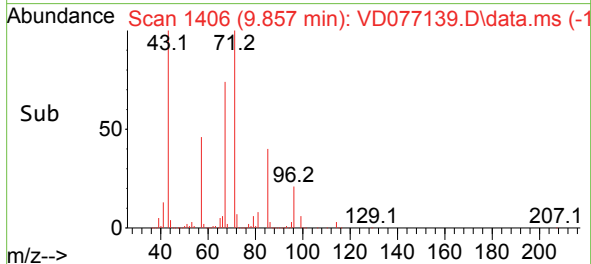
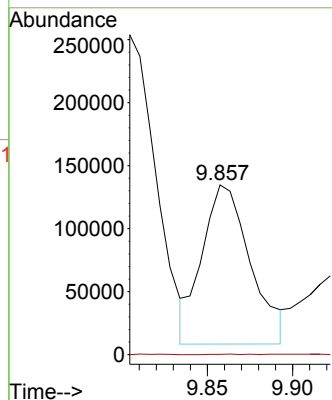
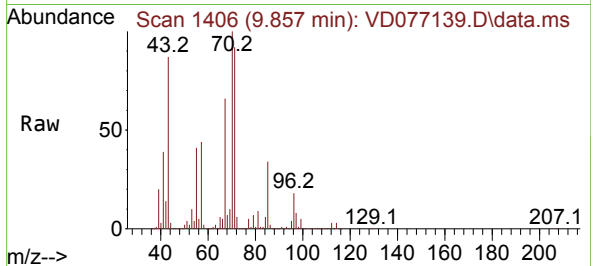




#58
2-Chloroethyl Vinyl ether
Concen: 156.016 ug/l
RT: 9.857 min Scan# 1406
Delta R.T. -0.012 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

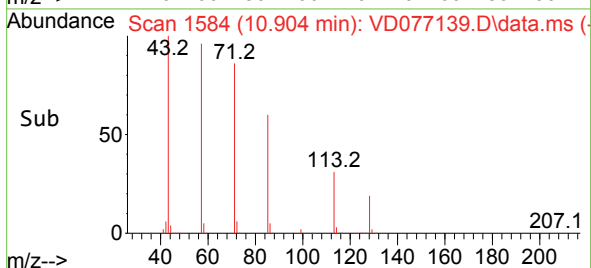
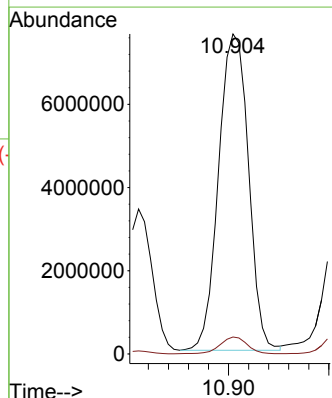
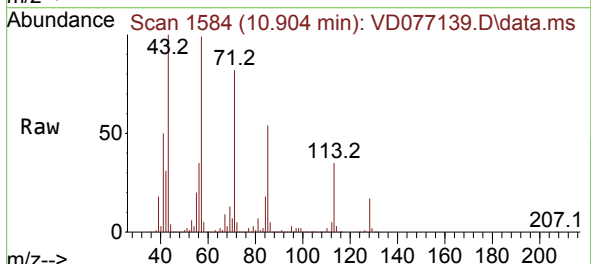
Instrument :
MSVOA_D
ClientSampleId :

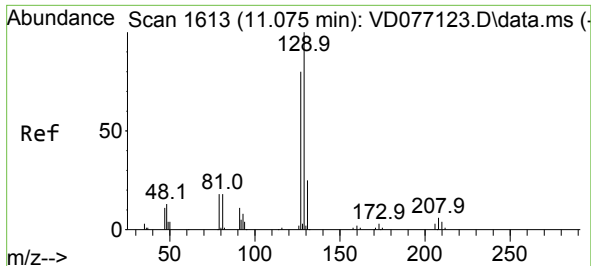
Tgt Ion: 63 Resp: 249619
Ion Ratio Lower Upper
63 100
106 0.2 25.3 37.9#



#59
2-Hexanone
Concen: 11275.542 ug/l
RT: 10.904 min Scan# 1584
Delta R.T. -0.017 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 43 Resp: 15722436
Ion Ratio Lower Upper
43 100
58 4.8 34.1 102.2#

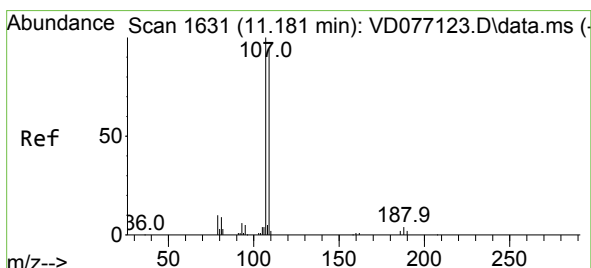
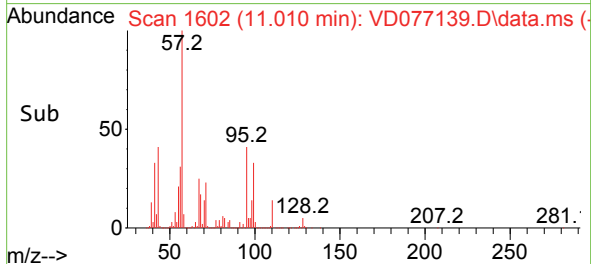
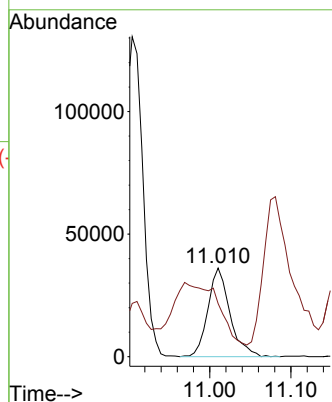
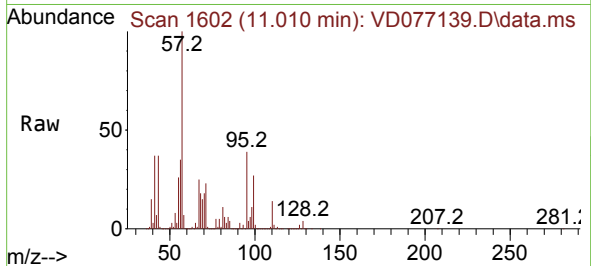




#60
Dibromochloromethane
Concen: 17.747 ug/l
RT: 11.010 min Scan# 1602
Delta R.T. -0.065 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

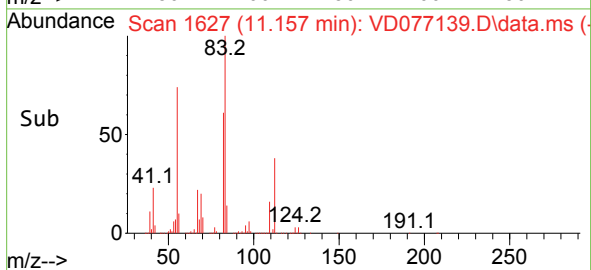
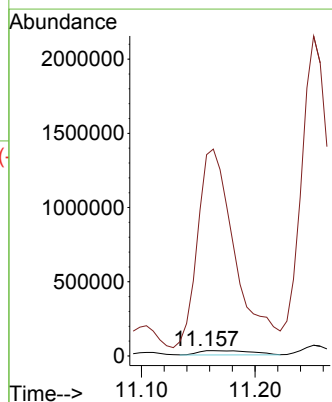
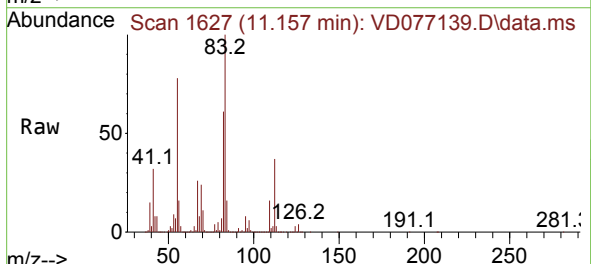
Instrument :
MSVOA_D
ClientSampleId :

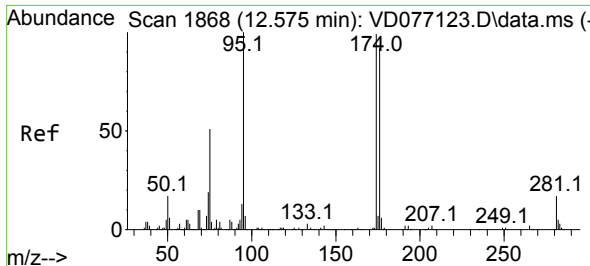
Tgt Ion:129 Resp: 67914
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#



#61
1,2-Dibromoethane
Concen: 32.021 ug/l
RT: 11.157 min Scan# 1627
Delta R.T. -0.023 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion:107 Resp: 96717
Ion Ratio Lower Upper
107 100
109 3162.4 75.6 113.4#

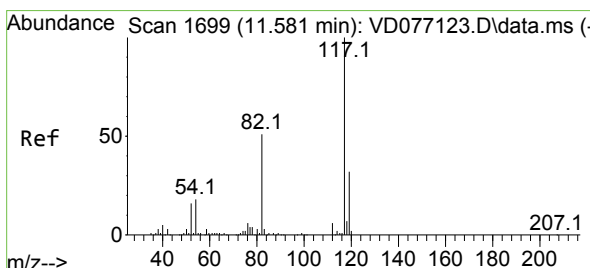
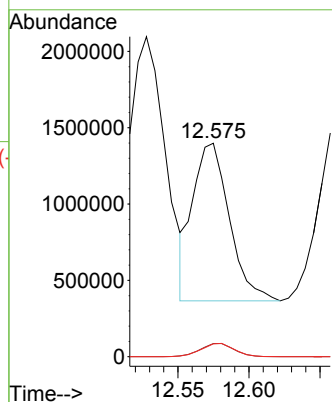
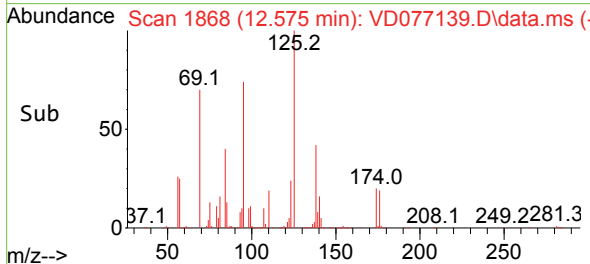
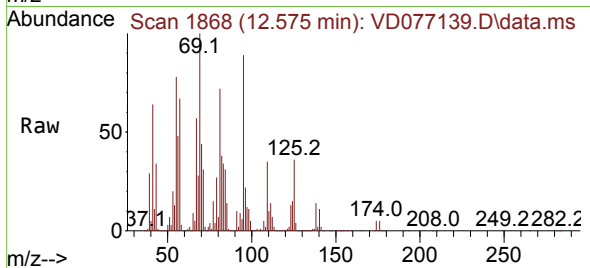




#62
4-Bromofluorobenzene
Concen: 479.575 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

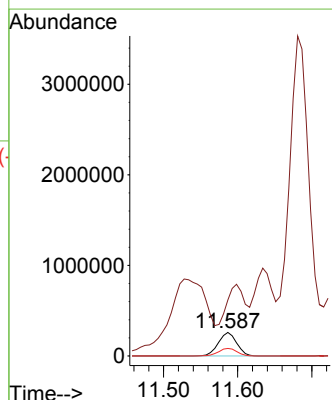
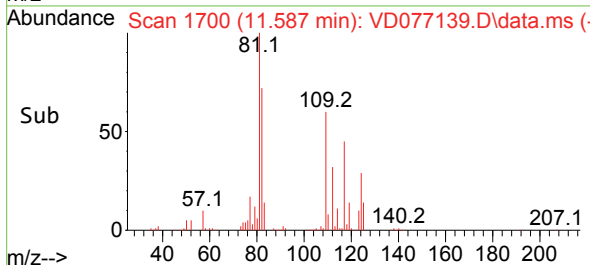
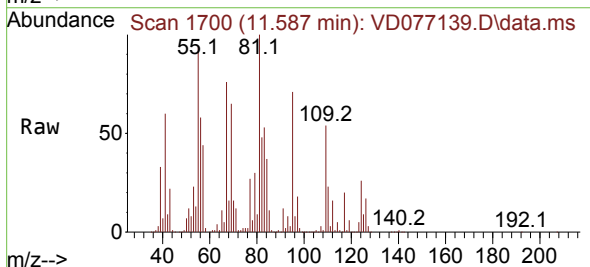
Instrument :
MSVOA_D
ClientSampleId :

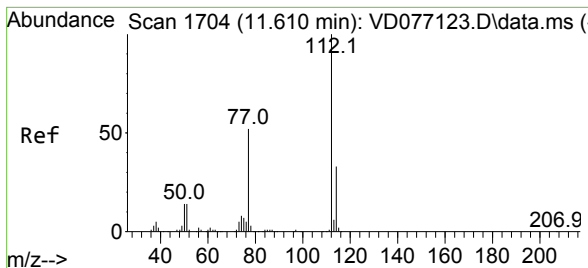
Tgt Ion: 95 Resp: 1848041
Ion Ratio Lower Upper
95 100
174 7.7 0.0 201.8
176 7.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 117 Resp: 444745
Ion Ratio Lower Upper
117 100
82 0.0 38.3 57.5#
119 31.9 25.0 37.4

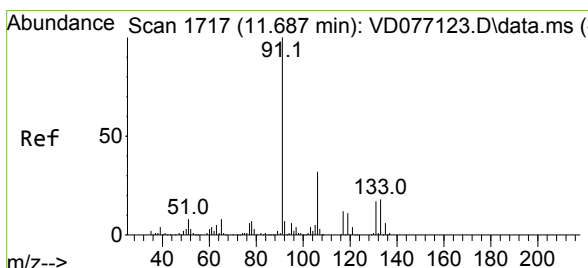
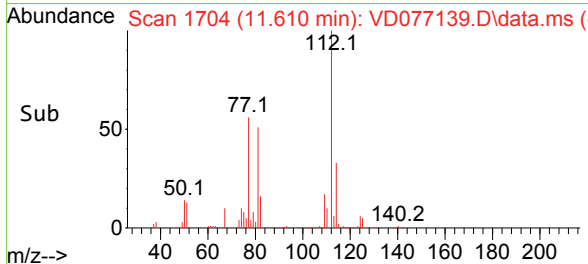
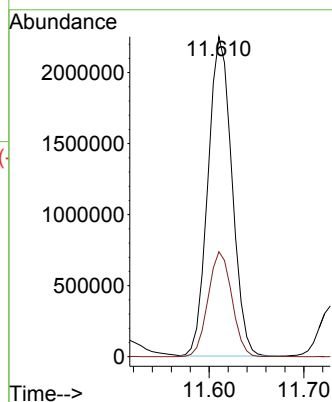
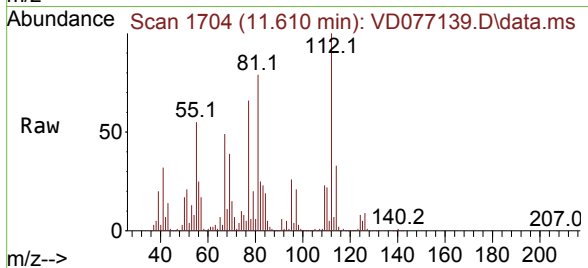




#65
Chlorobenzene
Concen: 377.553 ug/l
RT: 11.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

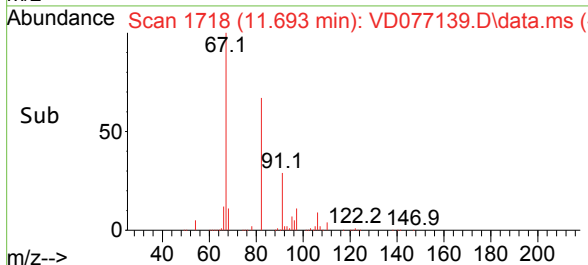
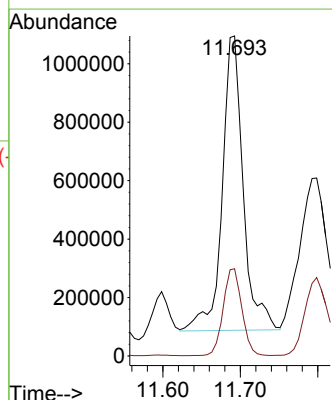
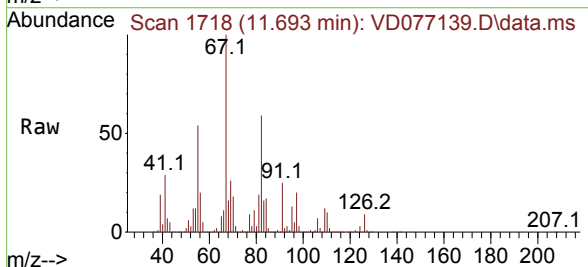
Instrument :
MSVOA_D
ClientSampleId :

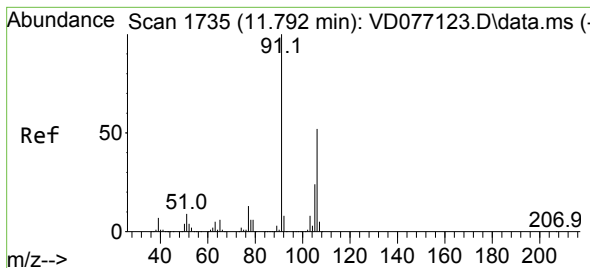
Tgt Ion:112 Resp: 3950077
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#67
Ethyl Benzene
Concen: 105.736 ug/l
RT: 11.693 min Scan# 1718
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 91 Resp: 1901485
Ion Ratio Lower Upper
91 100
106 29.6 26.5 39.7





#68

m/p-Xylenes

Concen: 74.526 ug/l

RT: 11.798 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

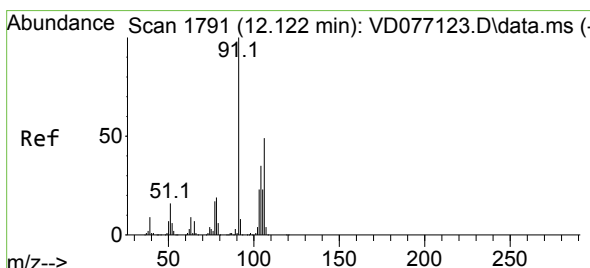
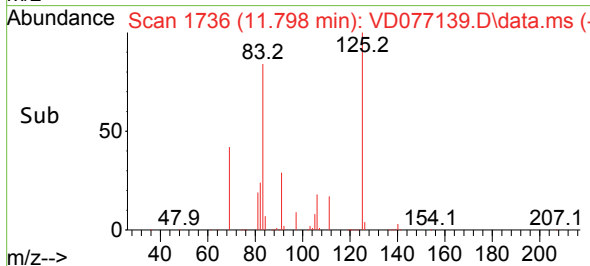
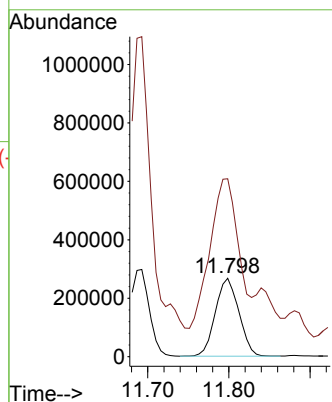
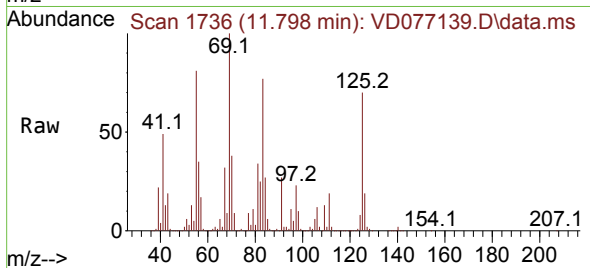
ClientSampleId :

Tgt Ion:106 Resp: 536612

Ion Ratio Lower Upper

106 100

91 232.1 147.0 220.6#



#69

o-Xylene

Concen: 18.593 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077139.D

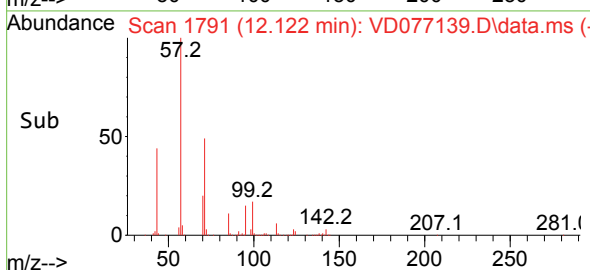
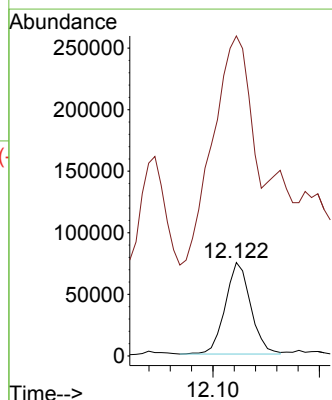
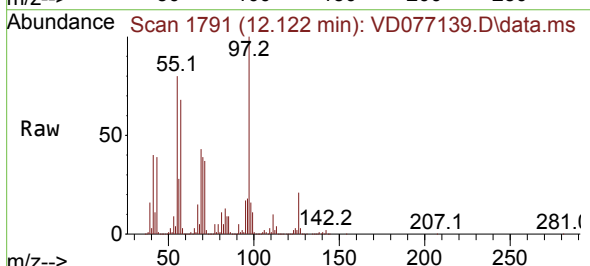
Acq: 18 Sep 2023 19:36

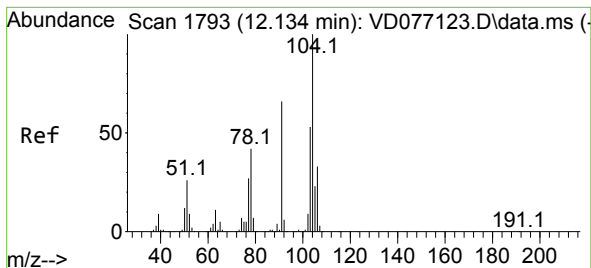
Tgt Ion:106 Resp: 122880

Ion Ratio Lower Upper

106 100

91 405.9 97.9 293.6#





#70

Styrene

Concen: 1.067 ug/l

RT: 12.128 min Scan# 11

Delta R.T. -0.006 min

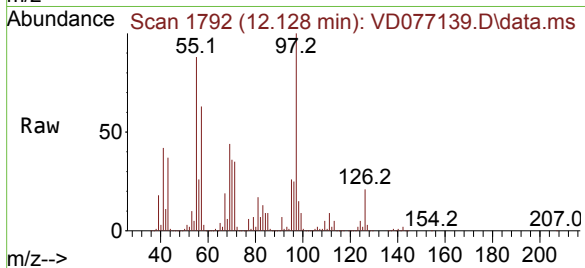
Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

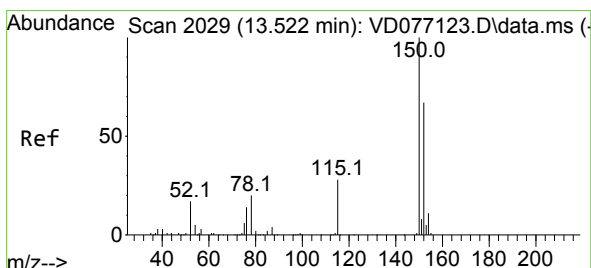
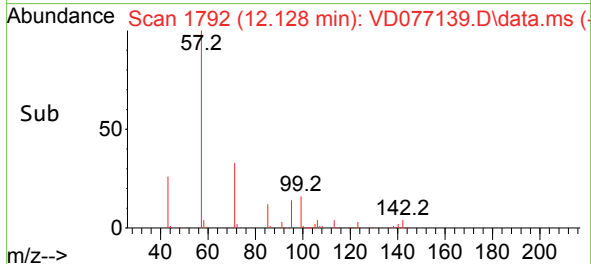
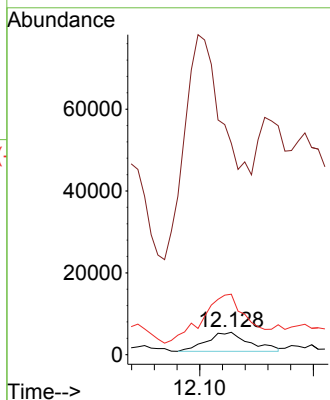
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:104	Resp:	12012
Ion Ratio	Lower	Upper
104	100	
78	0.0	33.2 49.8#
103	0.0	43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

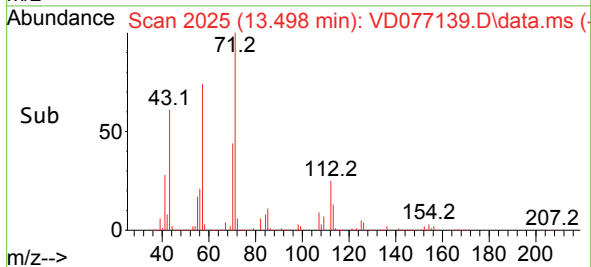
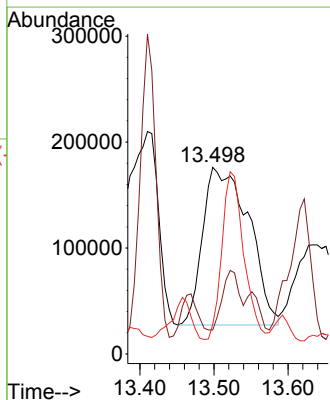
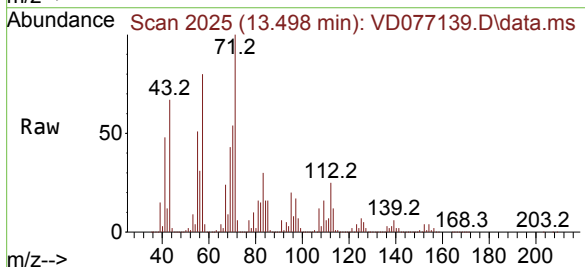
RT: 13.498 min Scan# 2025

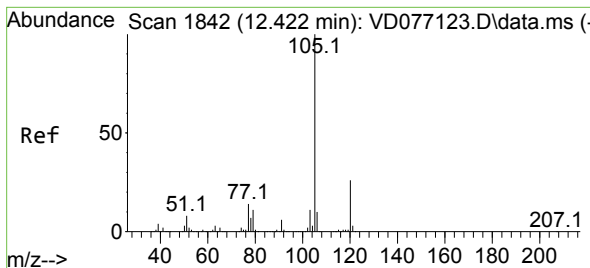
Delta R.T. -0.023 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Tgt Ion:152	Resp:	640754
Ion Ratio	Lower	Upper
152	100	
115	0.0	27.1 81.3#
150	0.0	0.0 353.6





#73

Isopropylbenzene

Concen: 349.830 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

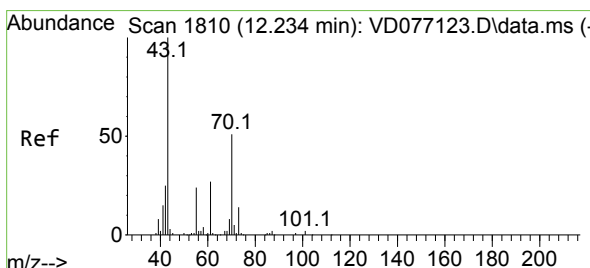
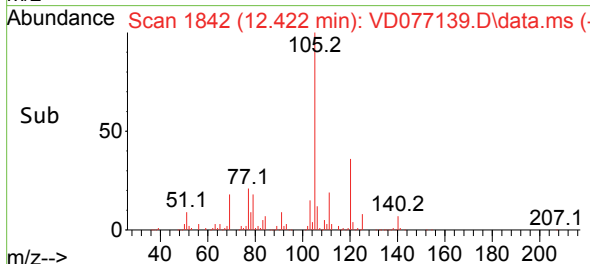
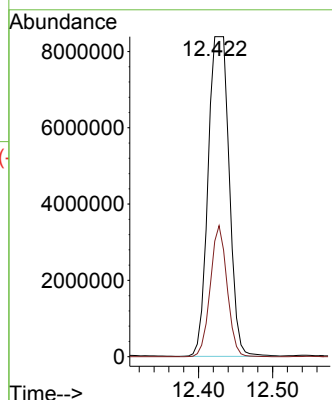
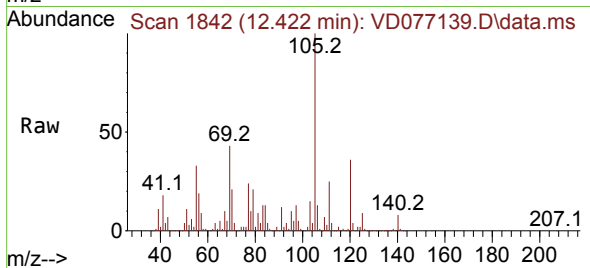
ClientSampleId :

Tgt Ion:105 Resp:16562838

Ion Ratio Lower Upper

105 100

120 32.6 14.3 42.9



#74

N-ethyl acetate

Concen: 1009.553 ug/l

RT: 12.228 min Scan# 1809

Delta R.T. -0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Tgt Ion: 43 Resp: 8978589

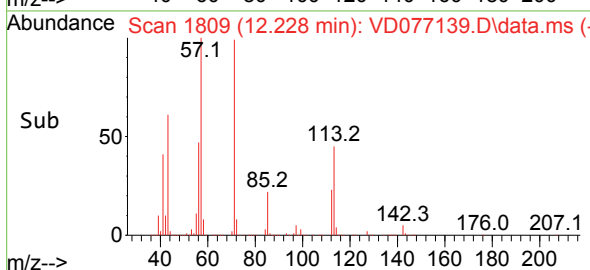
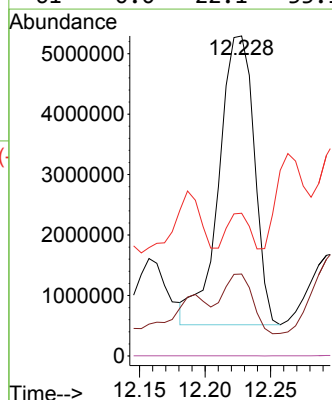
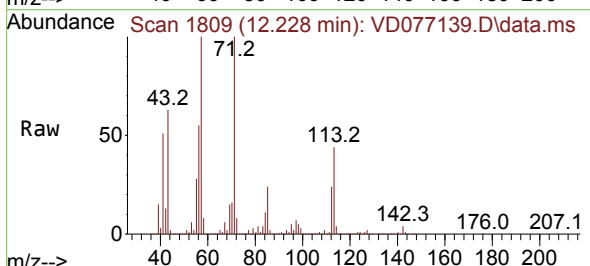
Ion Ratio Lower Upper

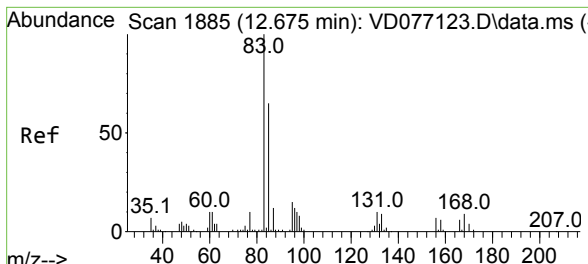
43 100

70 17.5 45.0 67.4#

55 11.4 23.8 35.6#

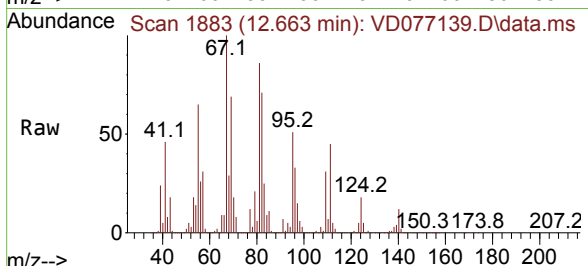
61 0.0 22.1 33.1#



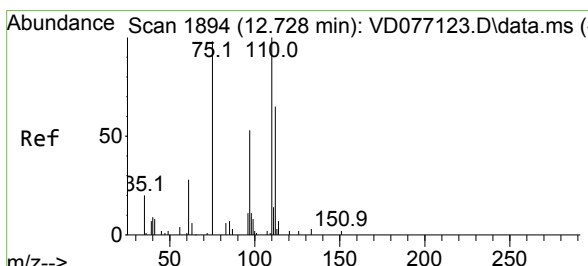
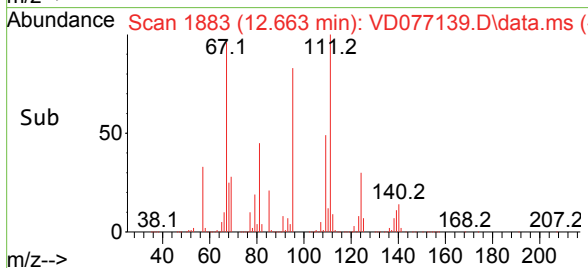
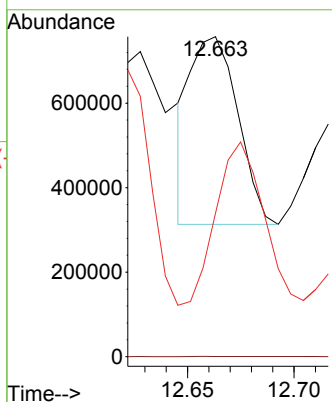


#75
 1,1,2,2-Tetrachloroethane
 Concen: 77.518 ug/l
 RT: 12.663 min Scan# 1883
 Delta R.T. -0.012 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

Instrument : MSVOA_D
 ClientSampleId :

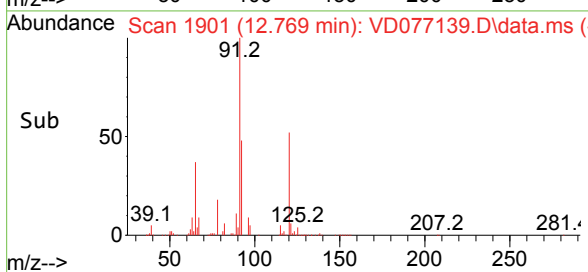
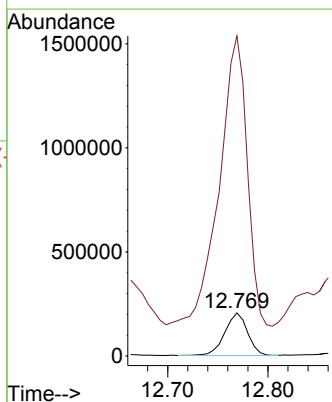
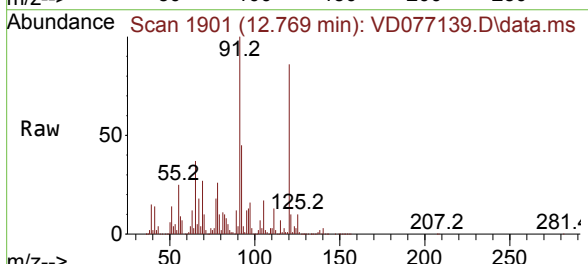


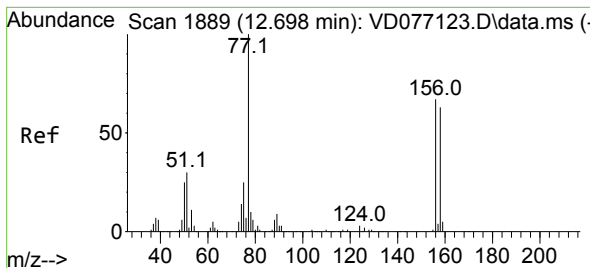
Tgt Ion: 83 Resp: 692606
 Ion Ratio Lower Upper
 83 100
 131 0.1 5.1 15.3#
 85 86.0 32.6 97.8



#76
 1,2,3-Trichloropropane
 Concen: 62.549 ug/l
 RT: 12.769 min Scan# 1901
 Delta R.T. 0.041 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

Tgt Ion: 75 Resp: 319693
 Ion Ratio Lower Upper
 75 100
 77 844.2 0.0 0.0#





#77

Bromobenzene

Concen: 1.421 ug/l

RT: 12.681 min Scan# 1886

Delta R.T. -0.017 min

Lab File: VD077139.D

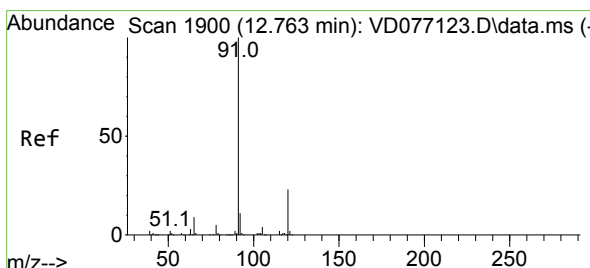
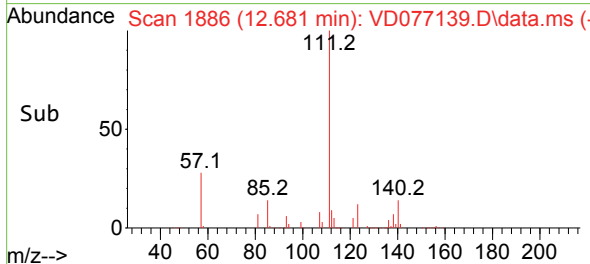
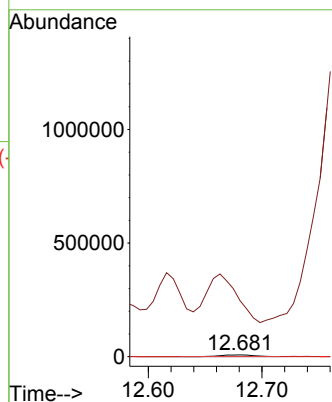
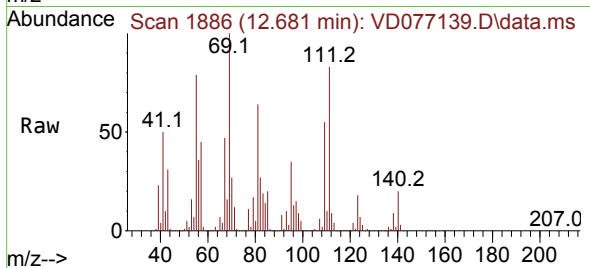
Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	156	Resp:	16757
Ion Ratio	Lower	Upper	
156	100		
77	0.0	76.8	230.4#
158	0.0	48.6	145.9#



#78

n-propylbenzene

Concen: 7.812 ug/l

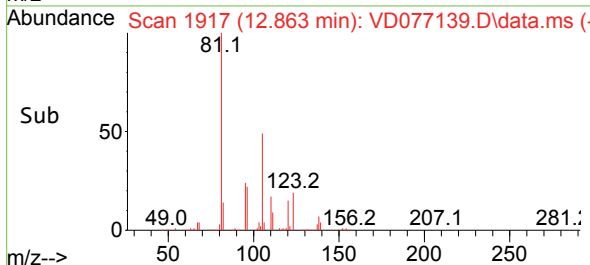
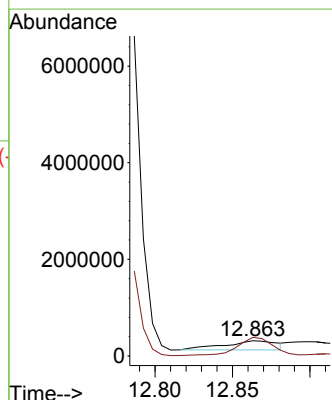
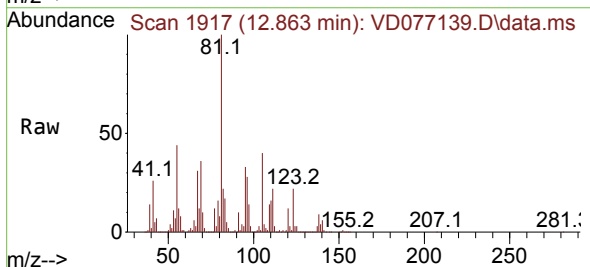
RT: 12.863 min Scan# 1917

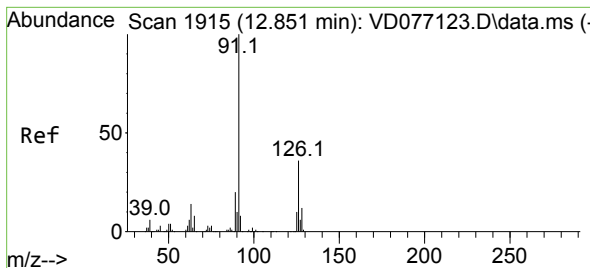
Delta R.T. 0.100 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Tgt Ion:	91	Resp:	452082
Ion Ratio	Lower	Upper	
91	100		
120	132.0	12.4	37.2#





#79

2-Chlorotoluene

Concen: 7.810 ug/l

RT: 12.616 min Scan# 11

Delta R.T. -0.235 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

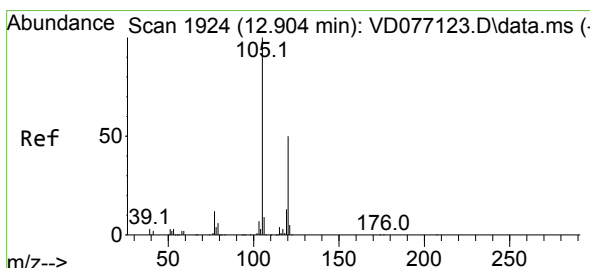
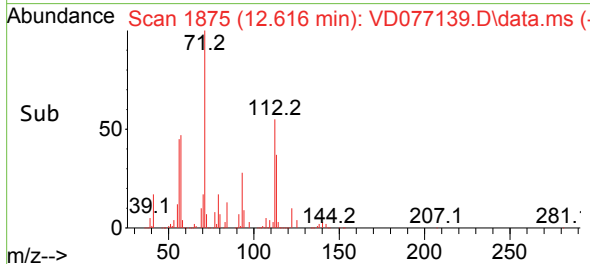
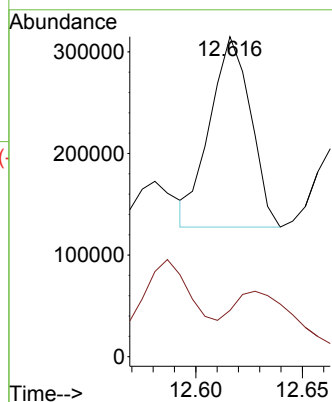
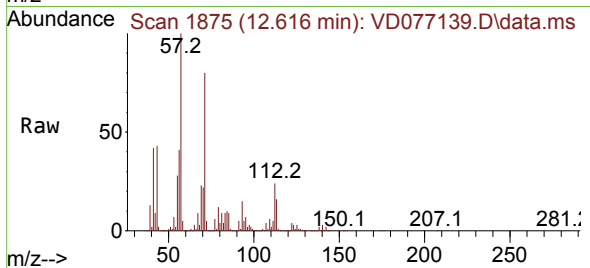
ClientSampleId :

Tgt Ion: 91 Resp: 249254

Ion Ratio Lower Upper

91 100

126 44.2 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 55.061 ug/l

RT: 12.863 min Scan# 1917

Delta R.T. -0.041 min

Lab File: VD077139.D

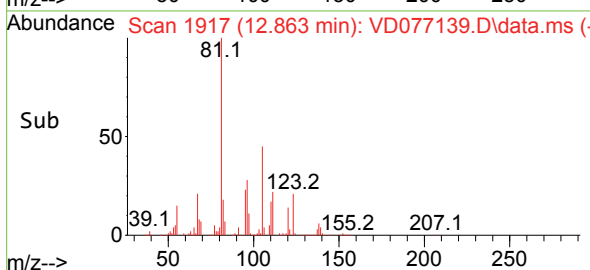
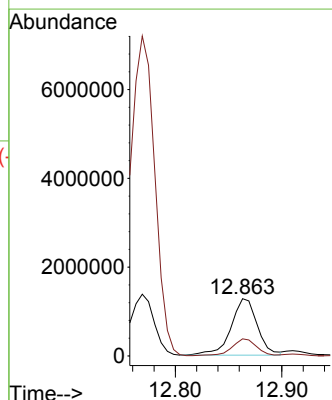
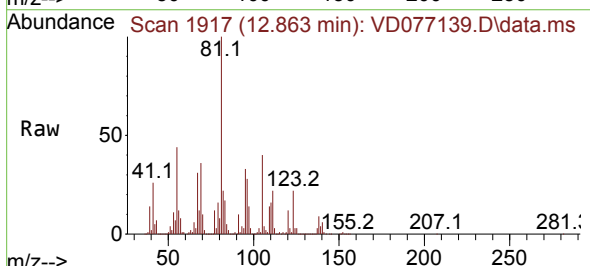
Acq: 18 Sep 2023 19:36

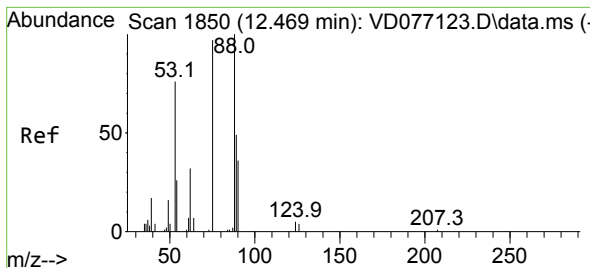
Tgt Ion:105 Resp: 2177144

Ion Ratio Lower Upper

105 100

120 27.4 26.4 79.2

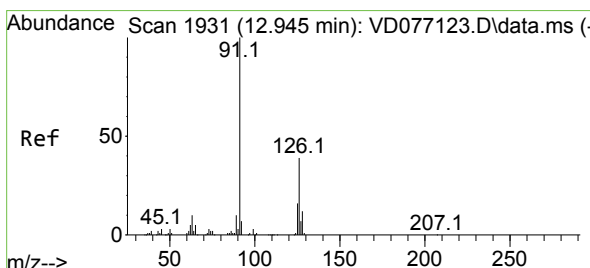
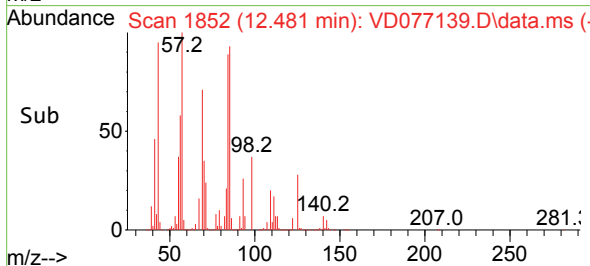
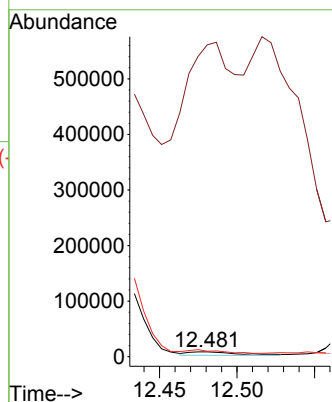
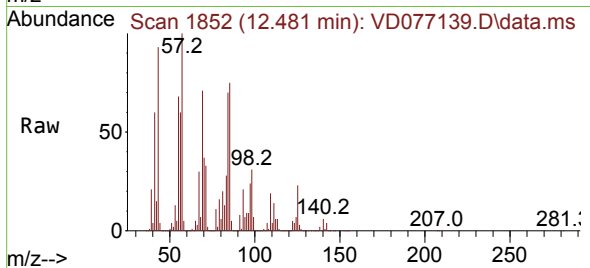




#81
trans-1,4-Dichloro-2-butene
Concen: 5.172 ug/l
RT: 12.481 min Scan# 1852
Delta R.T. 0.012 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

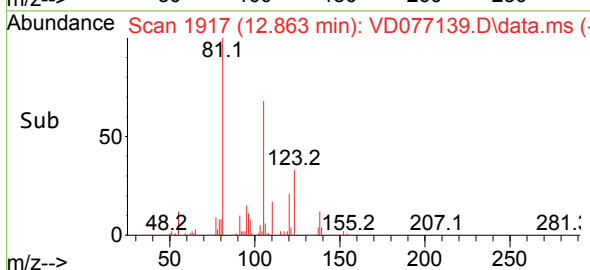
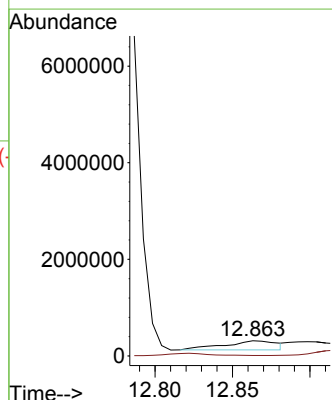
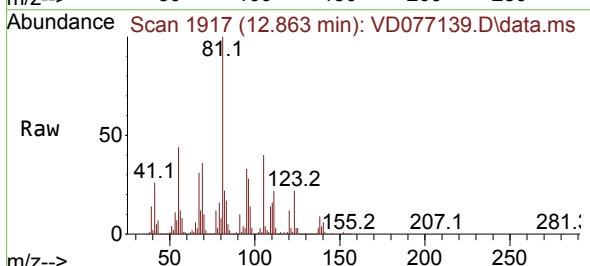
Instrument :
MSVOA_D
ClientSampleId :

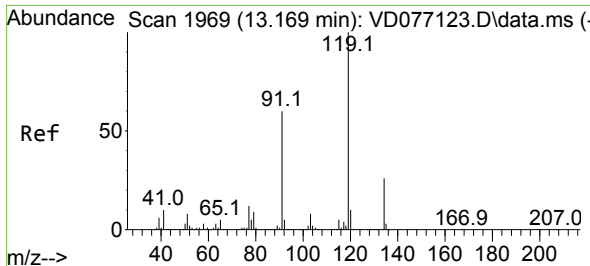
Tgt Ion: 75 Resp: 13967
Ion Ratio Lower Upper
75 100
53 5291.3 63.0 94.4#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 13.479 ug/l
RT: 12.863 min Scan# 1917
Delta R.T. -0.082 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 91 Resp: 452082
Ion Ratio Lower Upper
91 100
126 0.0 19.4 58.4#

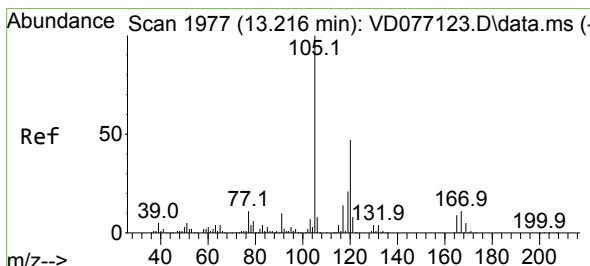
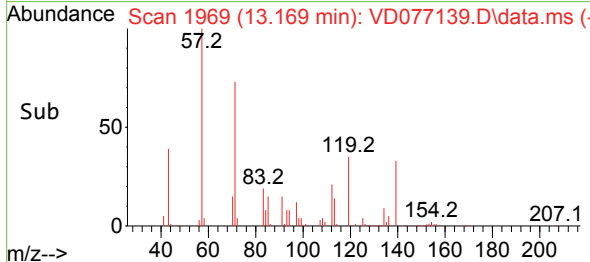
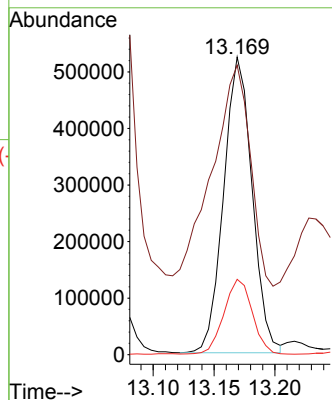
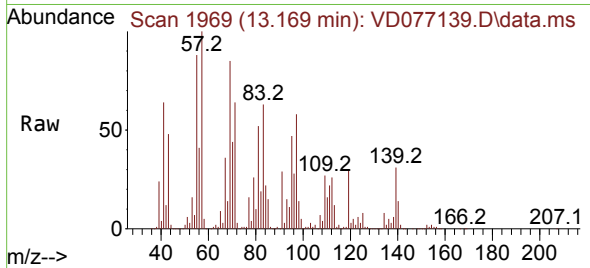




#83
 tert-Butylbenzene
 Concen: 25.228 ug/l
 RT: 13.169 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

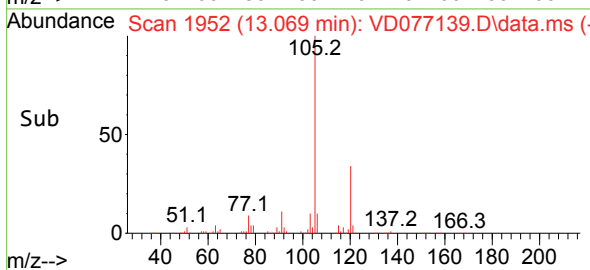
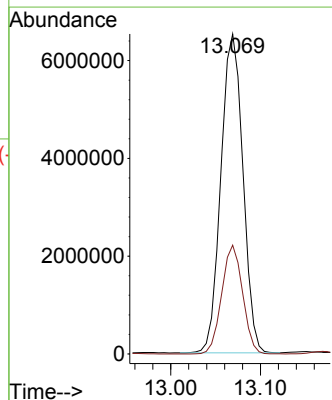
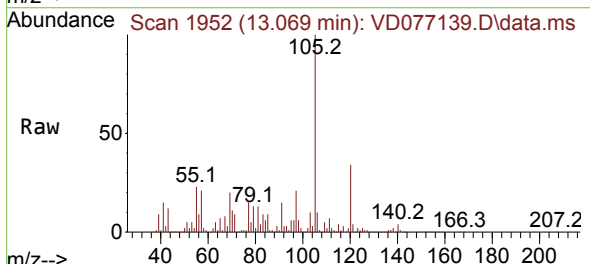
Instrument :
 MSVOA_D
 ClientSampleId :

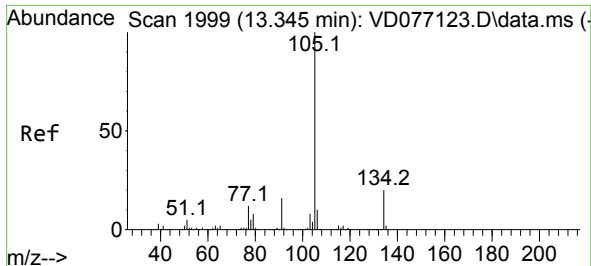
Tgt Ion:119 Resp: 852241
 Ion Ratio Lower Upper
 119 100
 91 100.4 29.3 87.8#
 134 25.1 14.1 42.3



#84
 1,2,4-Trimethylbenzene
 Concen: 277.275 ug/l
 RT: 13.069 min Scan# 1952
 Delta R.T. -0.147 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

Tgt Ion:105 Resp:11117212
 Ion Ratio Lower Upper
 105 100
 120 32.3 24.3 72.9

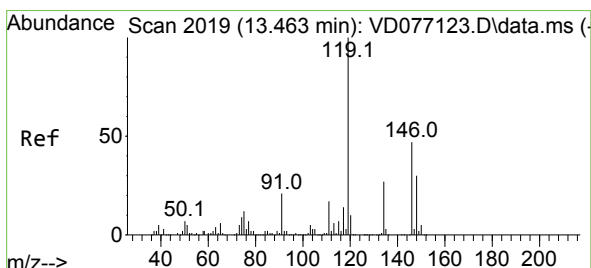
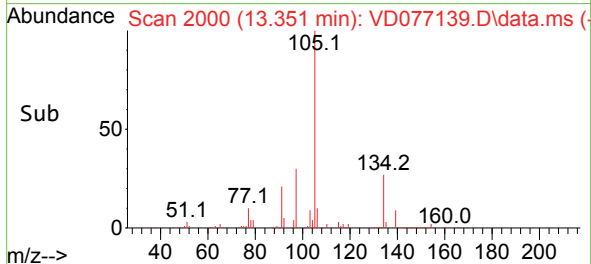
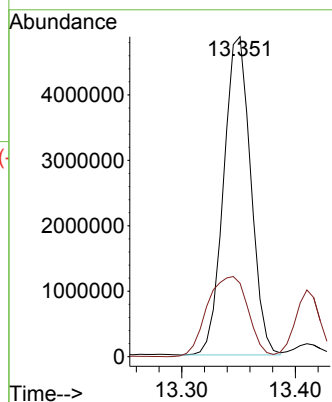
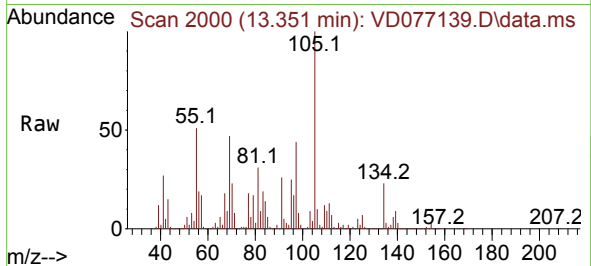




#85
 sec-Butylbenzene
 Concen: 159.074 ug/l
 RT: 13.351 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

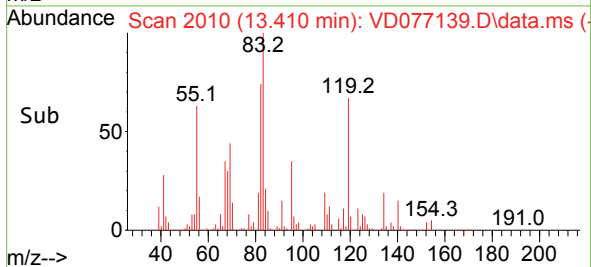
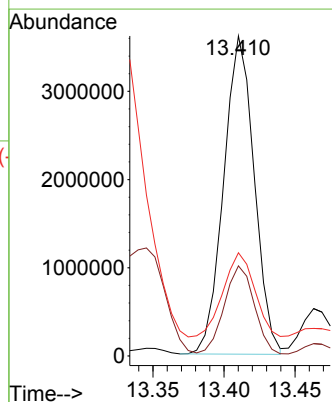
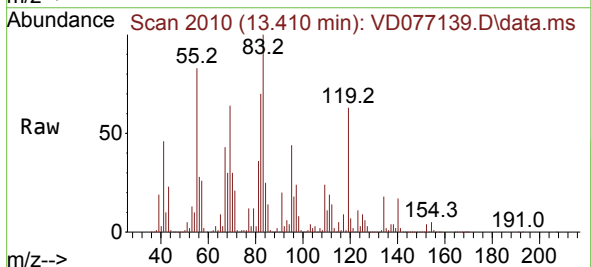
Instrument :
 MSVOA_D
 ClientSampleId :

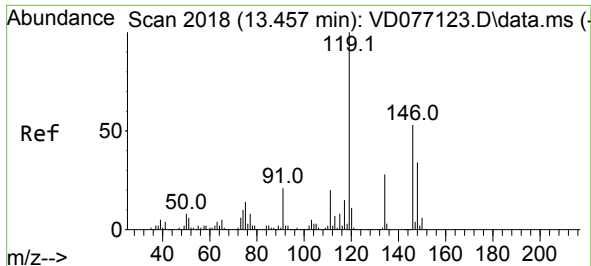
Tgt Ion:105 Resp: 8063770
 Ion Ratio Lower Upper
 105 100
 134 37.7 10.9 32.9#



#86
 p-Isopropyltoluene
 Concen: 125.527 ug/l
 RT: 13.410 min Scan# 2010
 Delta R.T. -0.053 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

Tgt Ion:119 Resp: 5398122
 Ion Ratio Lower Upper
 119 100
 134 28.4 14.2 42.6
 91 27.0 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 7.843 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

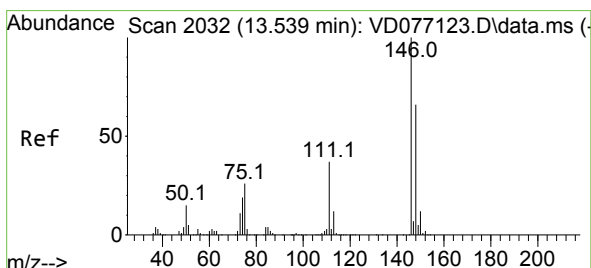
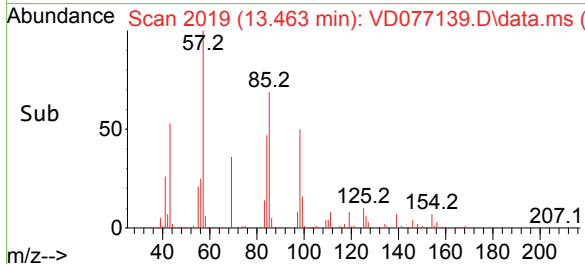
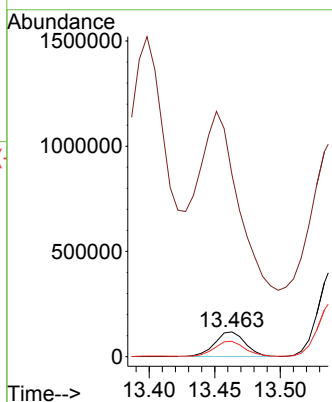
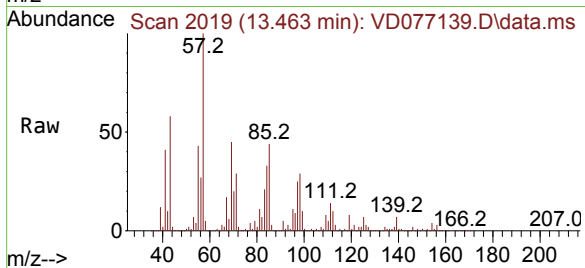
Tgt Ion:146 Resp: 190153

Ion Ratio Lower Upper

146 100

111 894.3 17.9 53.8#

148 60.0 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 30.101 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

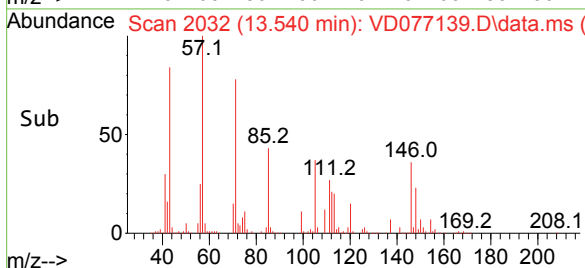
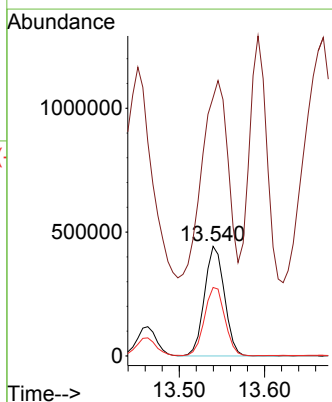
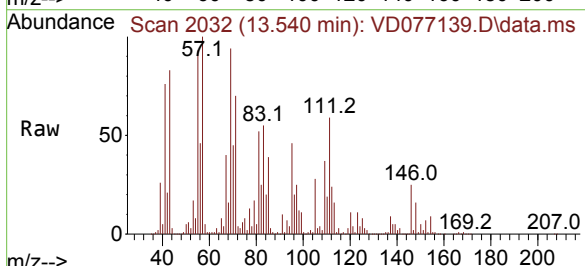
Tgt Ion:146 Resp: 718035

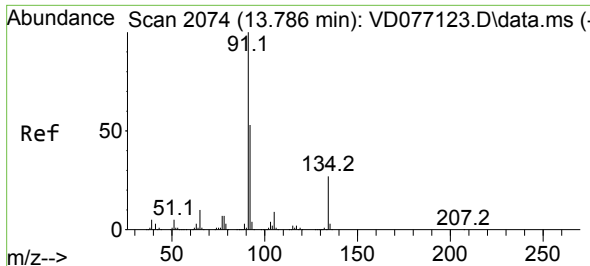
Ion Ratio Lower Upper

146 100

111 229.9 17.4 52.3#

148 63.8 31.7 95.1

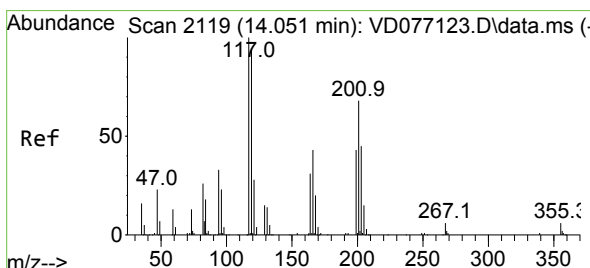
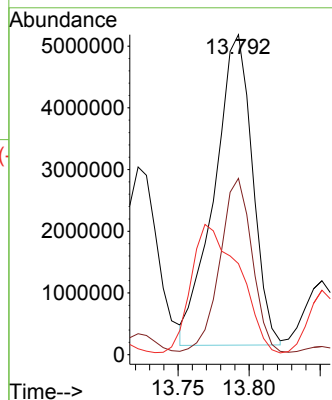
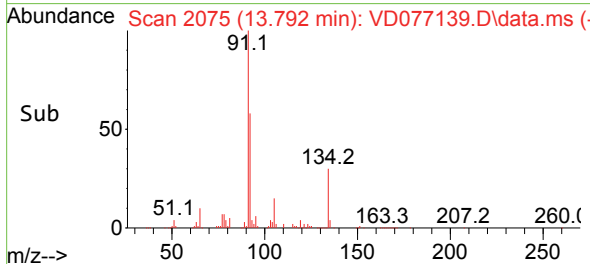
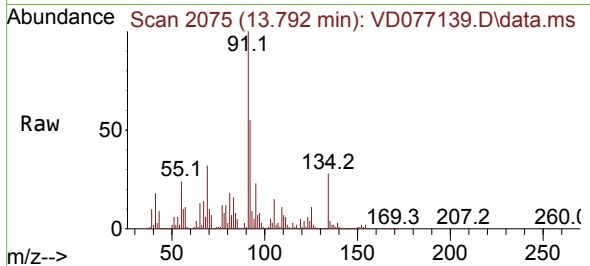




#89
n-Butylbenzene
Concen: 236.595 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

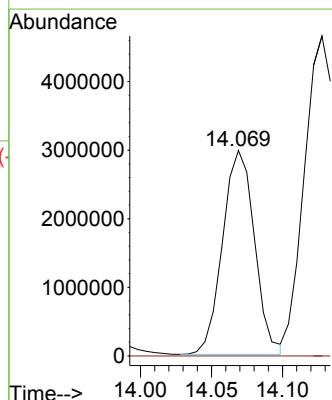
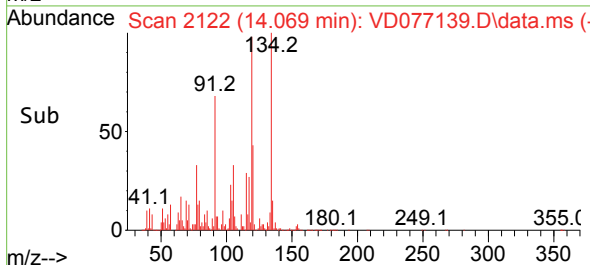
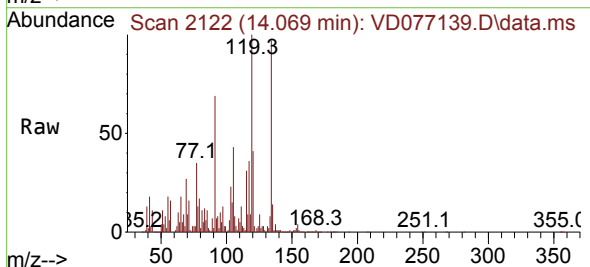
Instrument :
MSVOA_D
ClientSampleId :

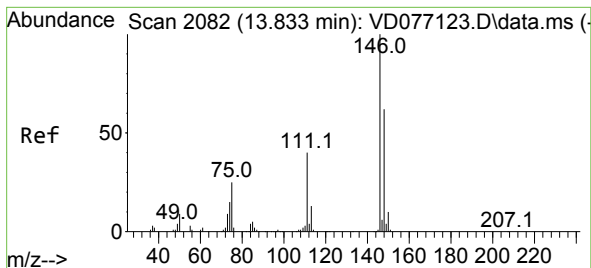
Tgt Ion: 91 Resp: 9385908
Ion Ratio Lower Upper
91 100
92 47.4 26.5 79.5
134 0.0 13.8 41.3#



#90
Hexachloroethane
Concen: 544.429 ug/l
RT: 14.069 min Scan# 2122
Delta R.T. 0.018 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion: 117 Resp: 4643201
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#





#91

1,2-Dichlorobenzene

Concen: 3.082 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

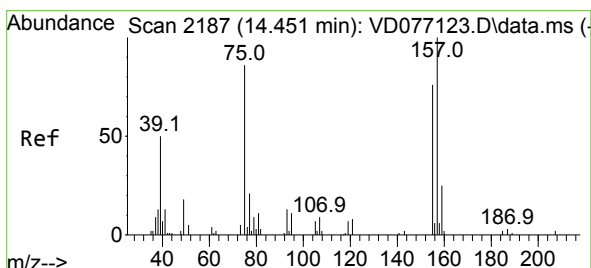
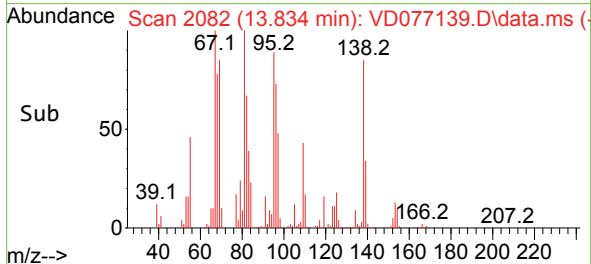
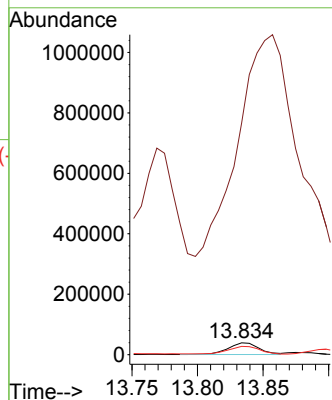
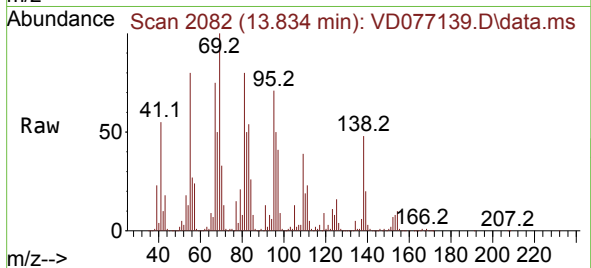
Tgt Ion:146 Resp: 64071

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.8#

148 64.0 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.131 ug/l

RT: 14.475 min Scan# 2191

Delta R.T. 0.024 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

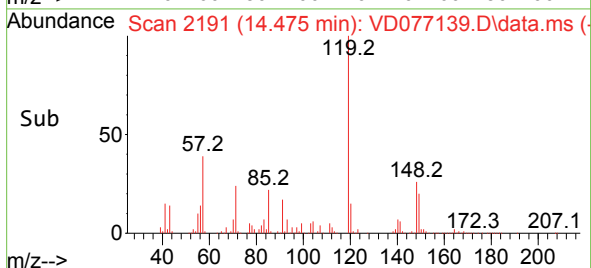
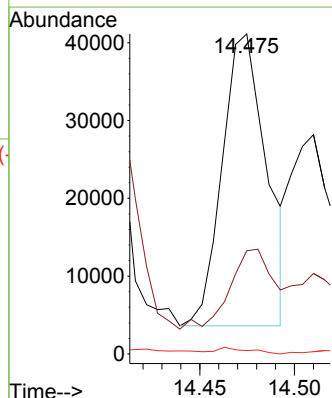
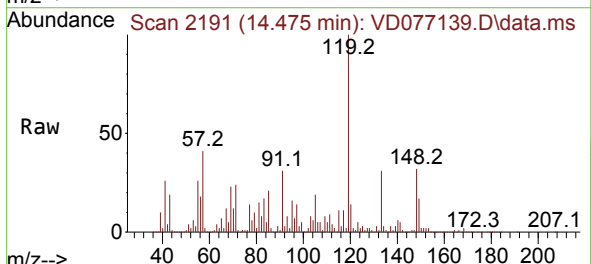
Tgt Ion: 75 Resp: 61001

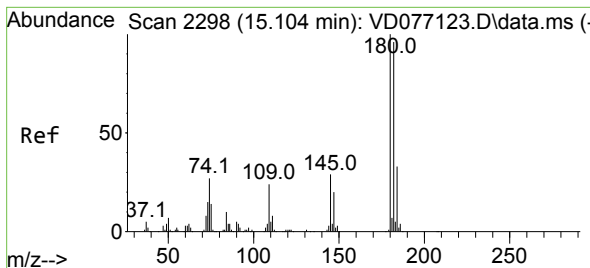
Ion Ratio Lower Upper

75 100

155 26.9 47.9 143.8#

157 1.7 59.9 179.7#





#93

1,2,4-Trichlorobenzene

Concen: 1.107 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

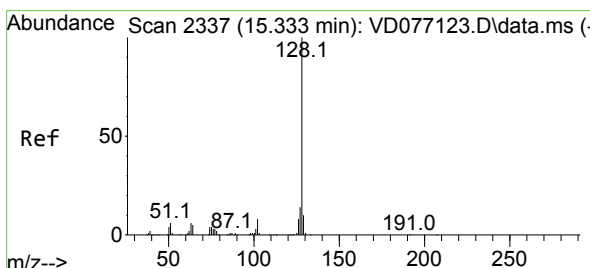
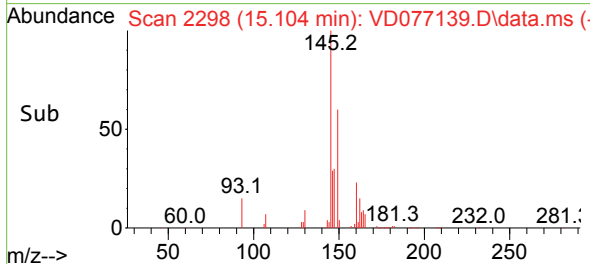
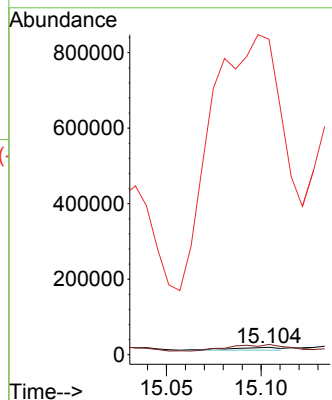
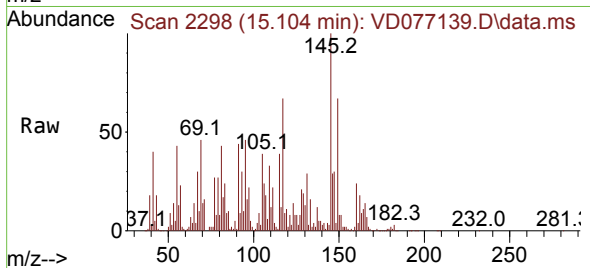
Tgt Ion:180 Resp: 14195

Ion Ratio Lower Upper

180 100

182 269.5 48.5 145.6#

145 14662.6 14.2 42.6#



#95

Naphthalene

Concen: 41.266 ug/l

RT: 15.334 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

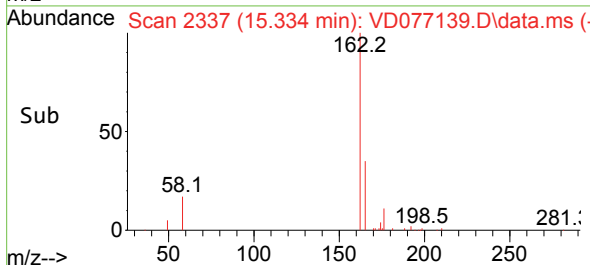
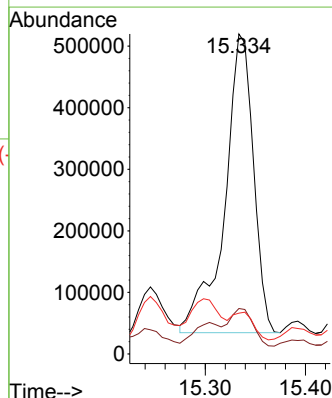
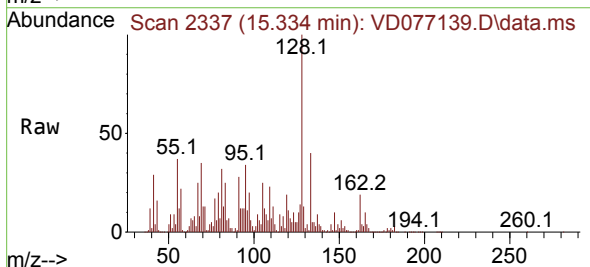
Tgt Ion:128 Resp: 970456

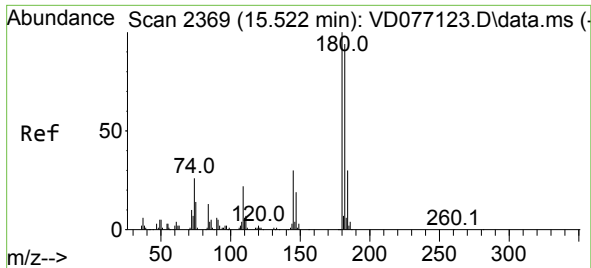
Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

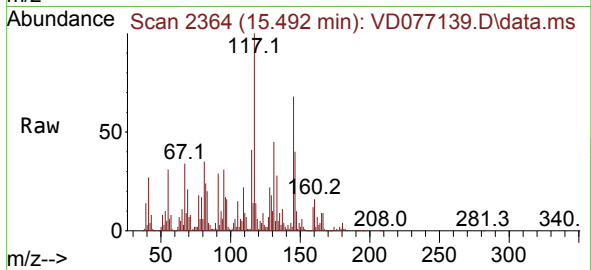
129 12.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.329 ug/l
 RT: 15.492 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:180 Resp: 26548
 Ion Ratio Lower Upper
 180 100
 182 11.4 47.3 141.9#
 145 1941.8 15.1 45.3#

