

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077140.D
 Acq On : 18 Sep 2023 20:04
 Operator : JC/SY
 Sample : 04436-13
 Misc : 3.39G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 05:00:23 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)

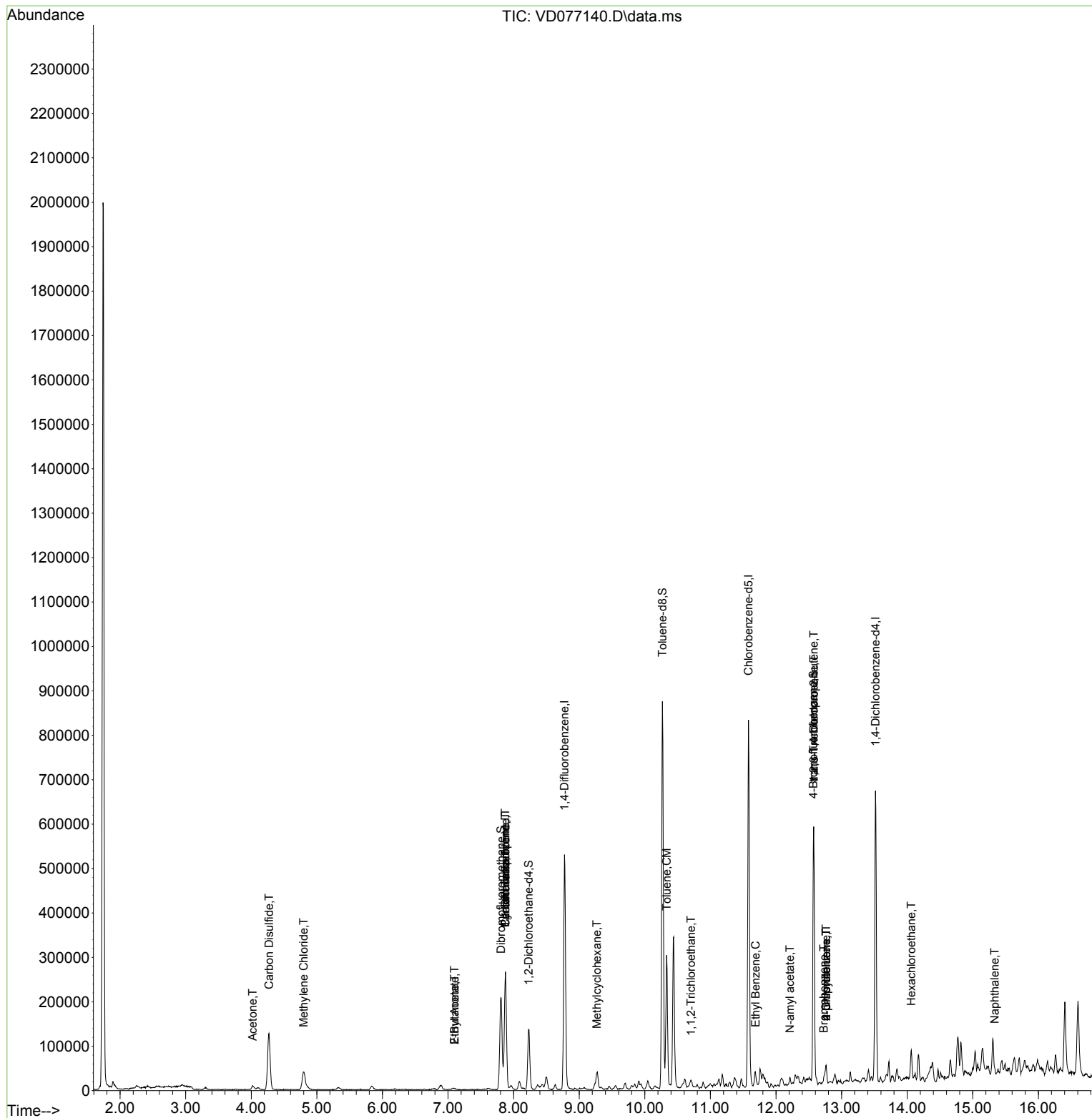
Internal Standards						
1) Pentafluorobenzene	7.875	168	195783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	484146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	495514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	185381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105504	53.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.800%	
35) Dibromofluoromethane	7.811	113	159243	47.354	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.700%	
50) Toluene-d8	10.269	98	607612	50.762	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	12.569	95	184873	49.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.660%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	13859	30.689	ug/l	94
17) Carbon Disulfide	4.270	76	269745	35.978	ug/l	99
20) Methylene Chloride	4.799	84	34405	6.245	ug/l	97
25) 2-Butanone	7.099	43	4218	7.100	ug/l #	60
31) Cyclohexane	7.875	56	12178	3.523	ug/l #	74
36) 1,1-Dichloropropene	7.875	75	13661	2.697	ug/l #	51
37) Ethyl Acetate	7.099	43	4218	2.171	ug/l #	62
38) Carbon Tetrachloride	7.875	117	19118	3.841	ug/l #	15
39) Methylcyclohexane	9.269	83	16195	2.779	ug/l	94
52) Toluene	10.334	92	132757	13.244	ug/l	95
55) 1,1,2-Trichloroethane	10.704	97	5072	1.686	ug/l #	24
67) Ethyl Benzene	11.687	91	24611	1.228	ug/l	88
74) N-amyl acetate	12.210	43	3414	1.327	ug/l #	81
76) 1,2,3-Trichloropropane	12.575	75	92760	62.729	ug/l #	100
77) Bromobenzene	12.728	156	6036	1.770	ug/l #	1
78) n-propylbenzene	12.763	91	29126	1.740	ug/l	97
79) 2-Chlorotoluene	12.763	91	29126	3.155	ug/l #	38
81) trans-1,4-Dichloro-2-b...	12.575	75	92760	118.734	ug/l #	18
82) 4-Chlorotoluene	12.763	91	29126	3.001	ug/l #	38
90) Hexachloroethane	14.063	117	4922	1.995	ug/l #	11
95) Naphthalene	15.334	128	9554	1.404	ug/l	99

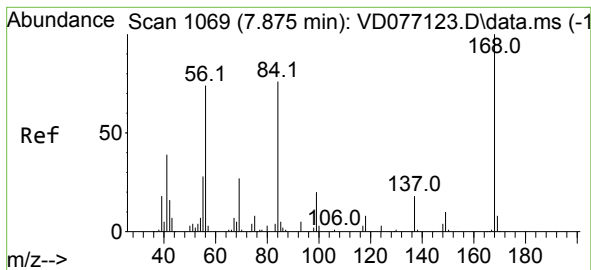
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
Data File : VD077140.D
Acq On : 18 Sep 2023 20:04
Operator : JC/SY
Sample : 04436-13
Misc : 3.39G/5.0ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 19 05:00:23 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

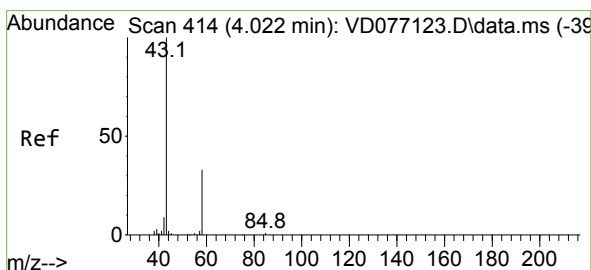
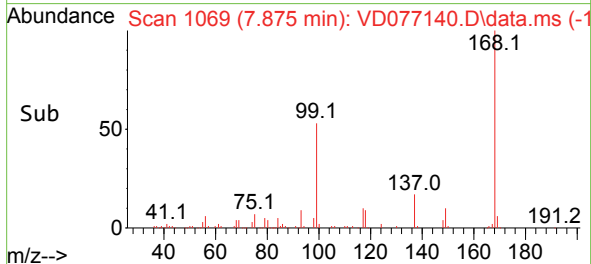
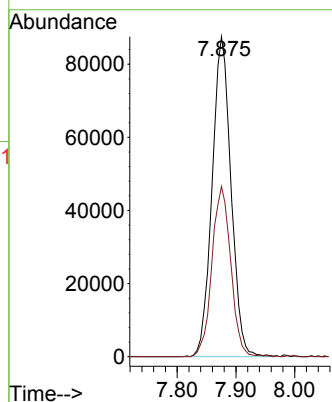
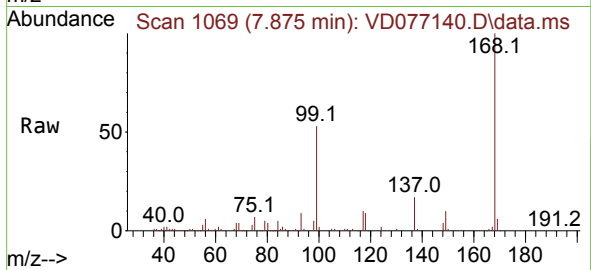




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

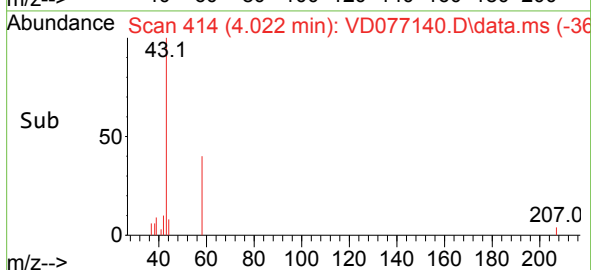
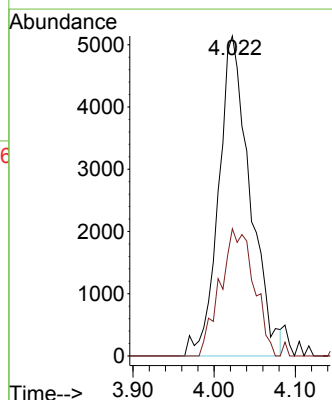
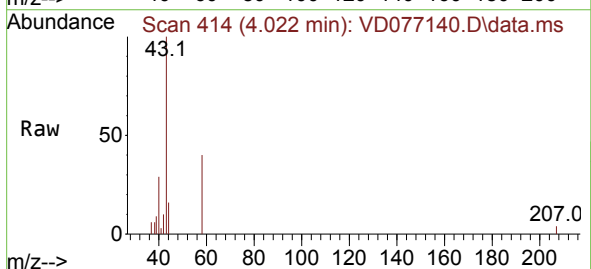
Instrument :
MSVOA_D
ClientSampleId :

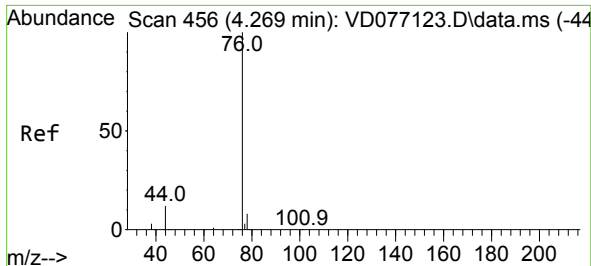
Tgt Ion:168 Resp: 195783
Ion Ratio Lower Upper
168 100
99 53.2 36.7 55.1



#16
Acetone
Concen: 30.689 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Tgt Ion: 43 Resp: 13859
Ion Ratio Lower Upper
43 100
58 39.8 34.7 52.1

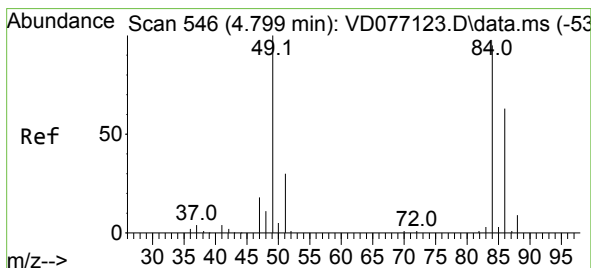
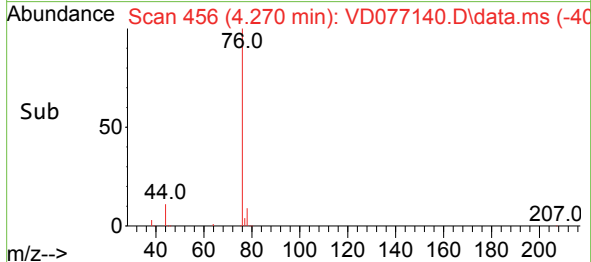
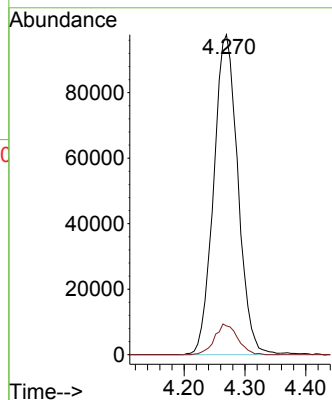
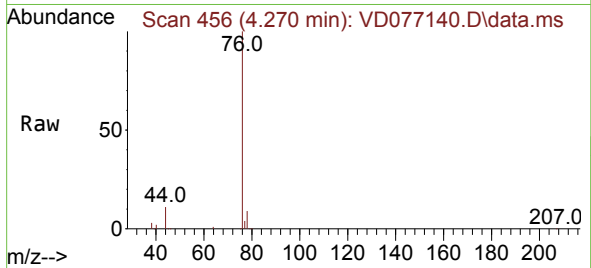




#17
Carbon Disulfide
Concen: 35.978 ug/l
RT: 4.270 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

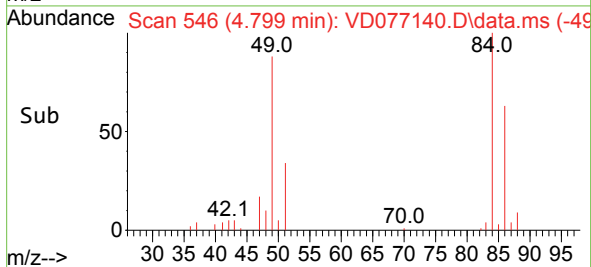
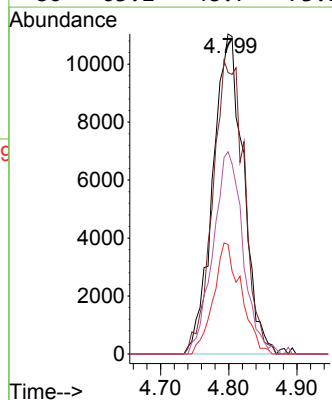
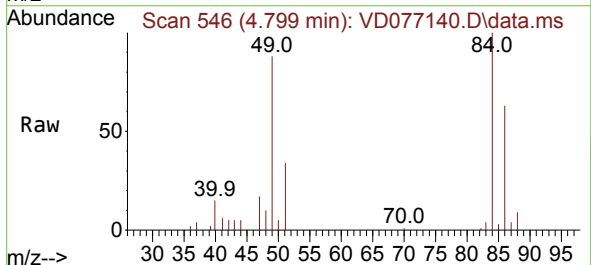
Instrument :
MSVOA_D
ClientSampleId :

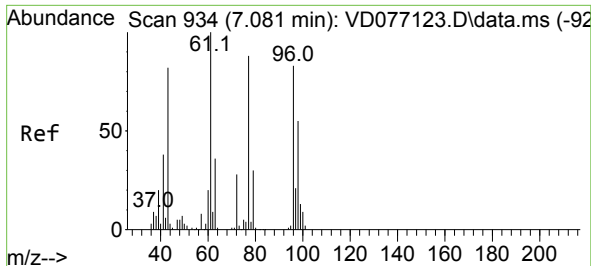
Tgt Ion: 76 Resp: 269745
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#20
Methylene Chloride
Concen: 6.245 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Tgt Ion: 84 Resp: 34405
Ion Ratio Lower Upper
84 100
49 87.9 71.4 107.2
51 34.2 24.5 36.7
86 63.2 48.7 73.1

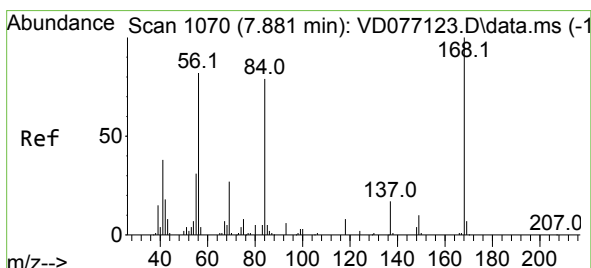
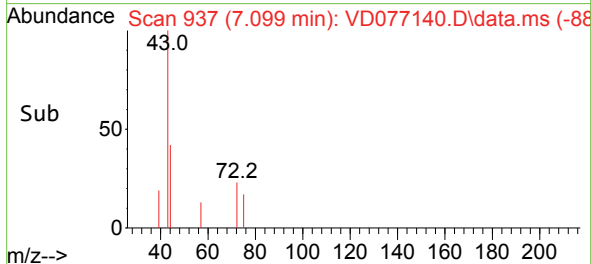
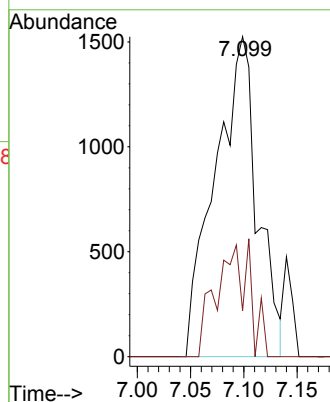
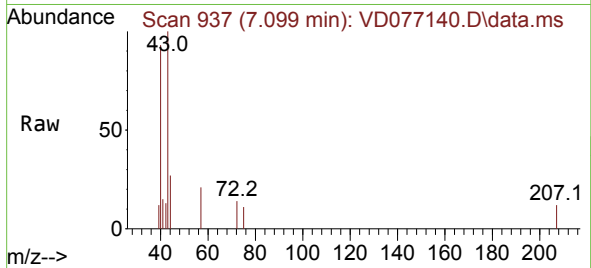




#25
2-Butanone
Concen: 7.100 ug/l
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

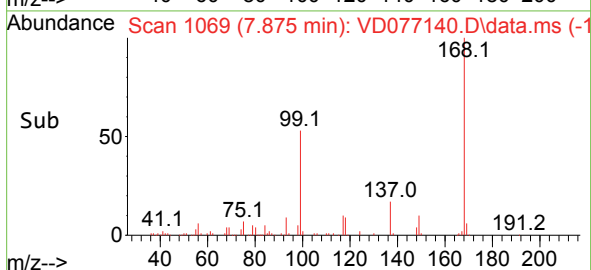
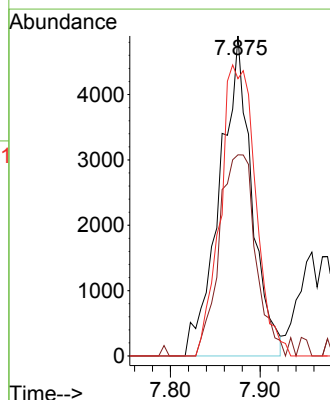
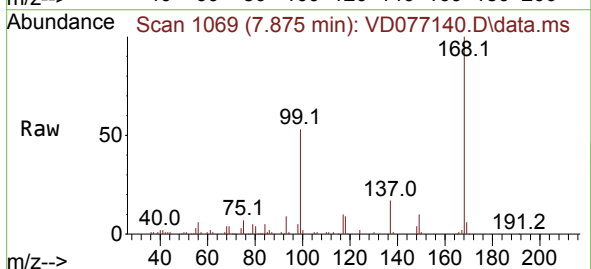
Instrument :
MSVOA_D
ClientSampleId :

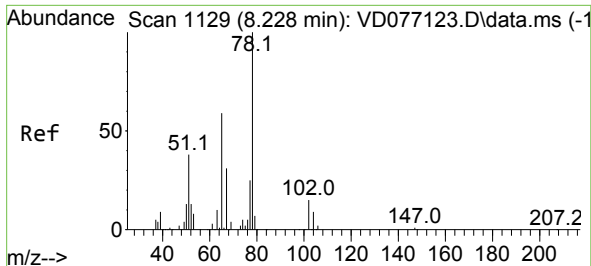
Tgt Ion: 43 Resp: 4218
Ion Ratio Lower Upper
43 100
72 14.4 30.7 46.1#



#31
Cyclohexane
Concen: 3.523 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Tgt Ion: 56 Resp: 12178
Ion Ratio Lower Upper
56 100
69 62.9 28.6 43.0#
84 86.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 53.396 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA_D

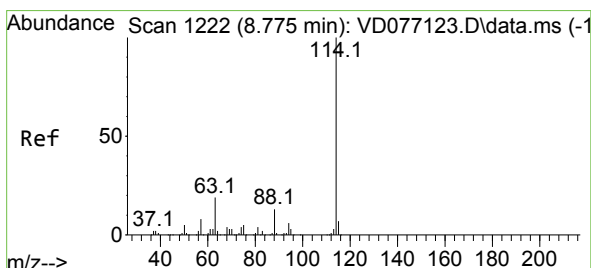
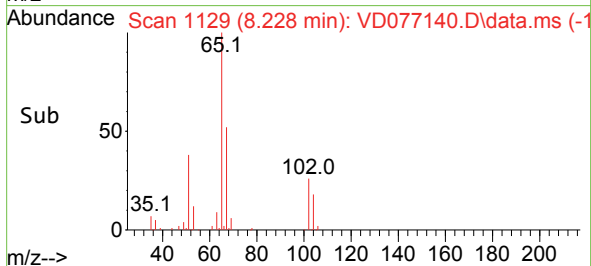
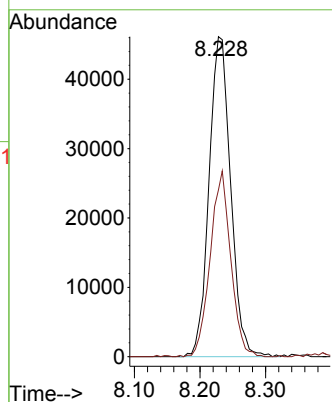
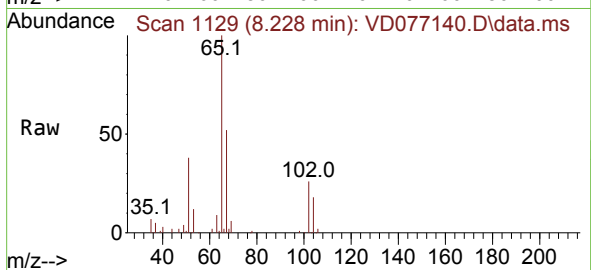
ClientSampleId :

Tgt Ion: 65 Resp: 105504

Ion Ratio Lower Upper

65 100

67 55.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

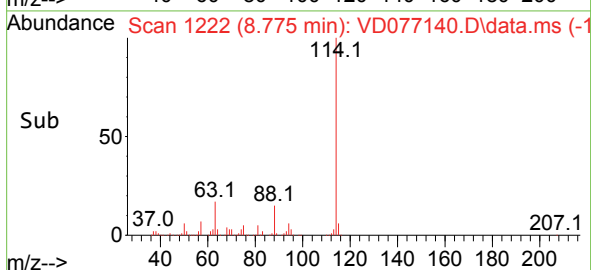
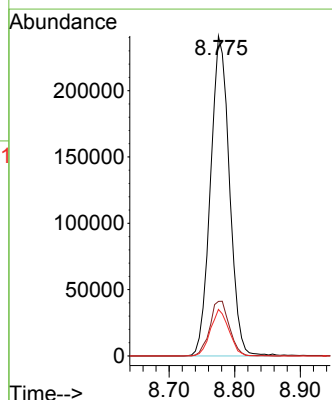
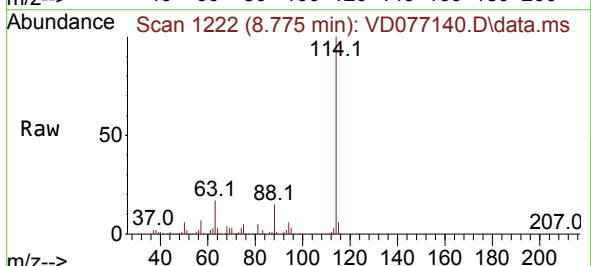
Tgt Ion: 114 Resp: 484146

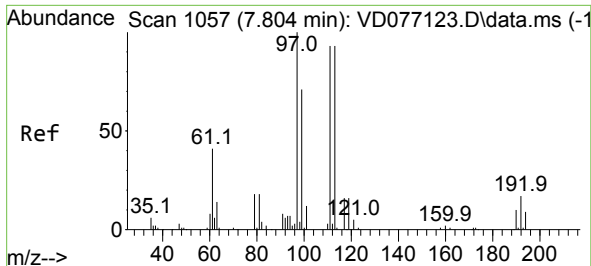
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

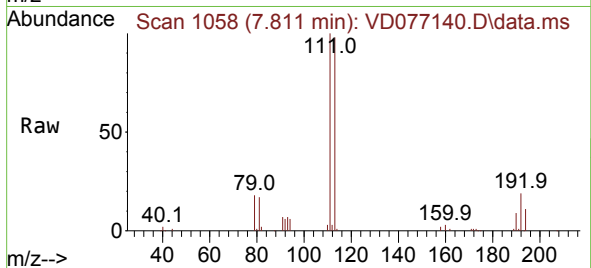
88 14.5 0.0 26.2



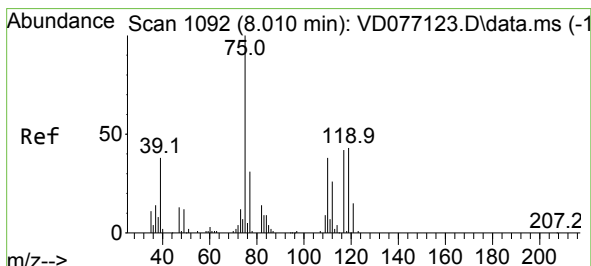
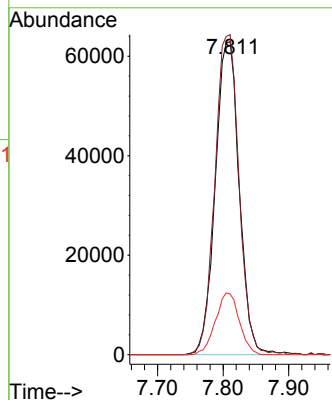
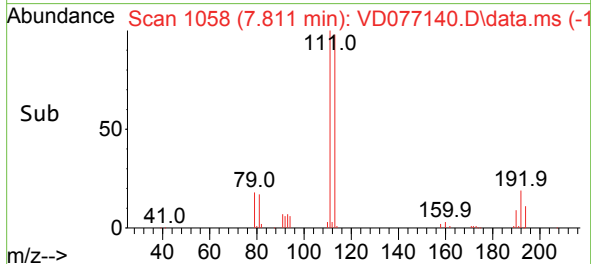


#35
Dibromofluoromethane
Concen: 47.354 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

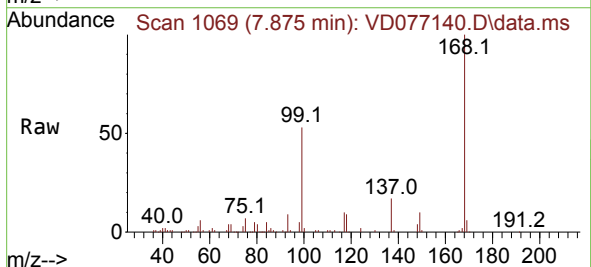
Instrument :
MSVOA_D
ClientSampleId :



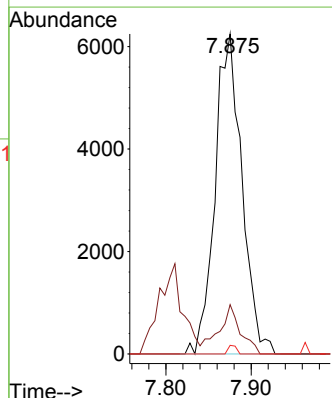
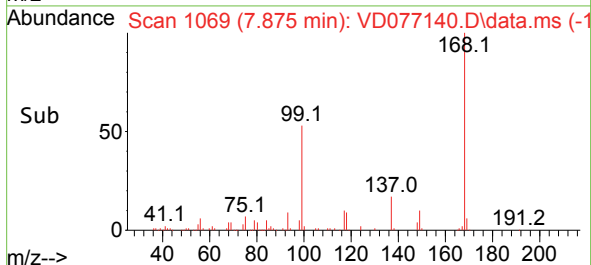
Tgt Ion:113 Resp: 159243
Ion Ratio Lower Upper
113 100
111 102.9 84.7 127.1
192 19.6 16.8 25.2

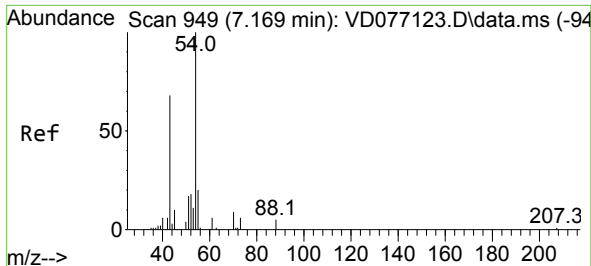


#36
1,1-Dichloropropene
Concen: 2.697 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04



Tgt Ion: 75 Resp: 13661
Ion Ratio Lower Upper
75 100
110 12.4 19.9 59.6#
77 0.8 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.171 ug/l

RT: 7.099 min Scan# 91

Delta R.T. -0.070 min MSVOA_D

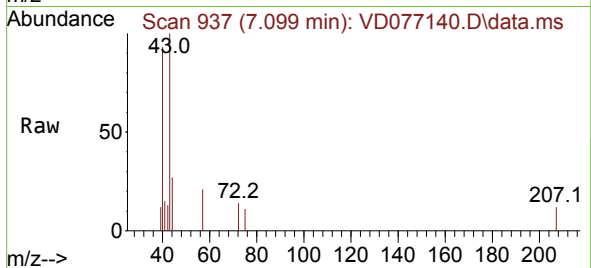
Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :



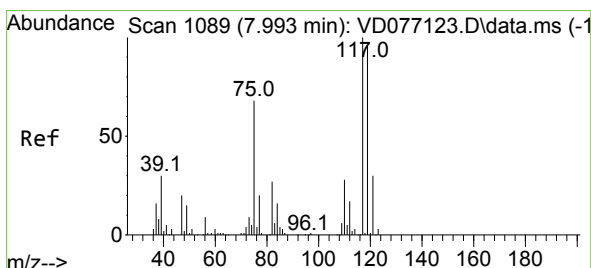
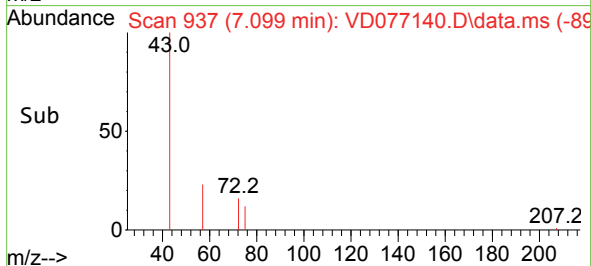
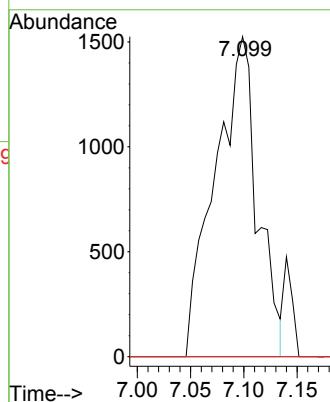
Tgt Ion: 43 Resp: 4218

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 3.841 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

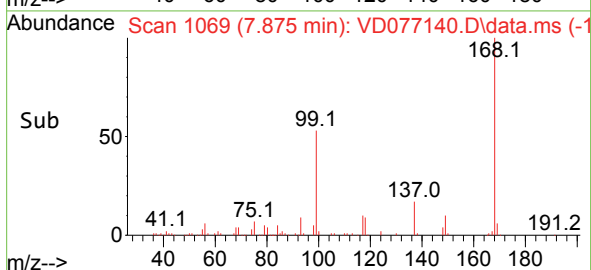
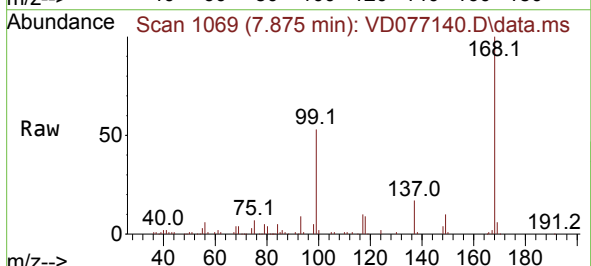
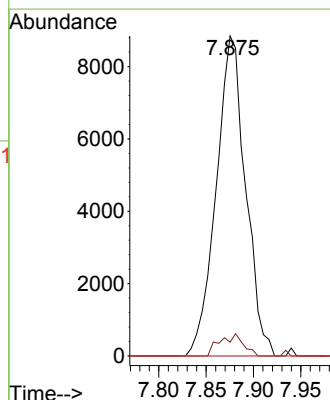
Tgt Ion: 117 Resp: 19118

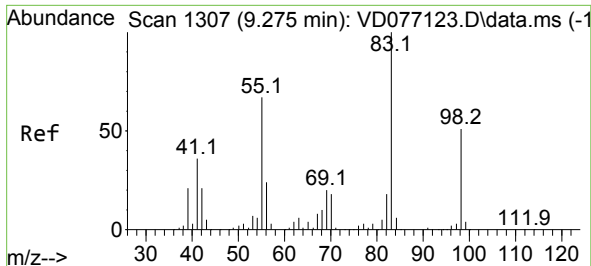
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 2.779 ug/l

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

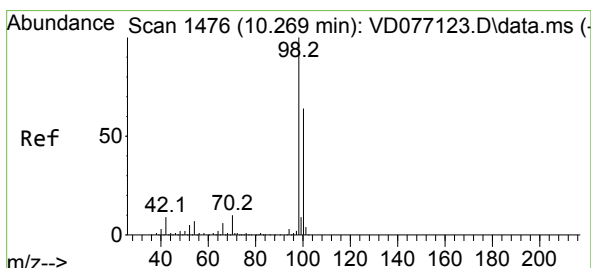
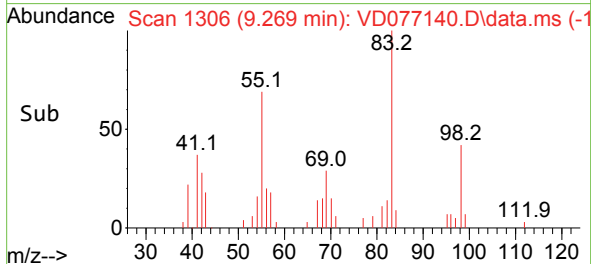
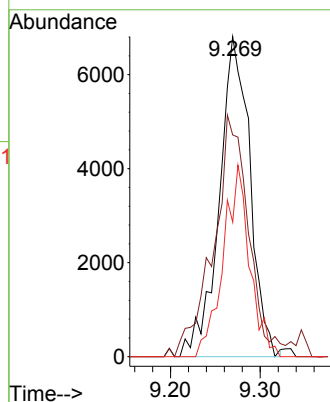
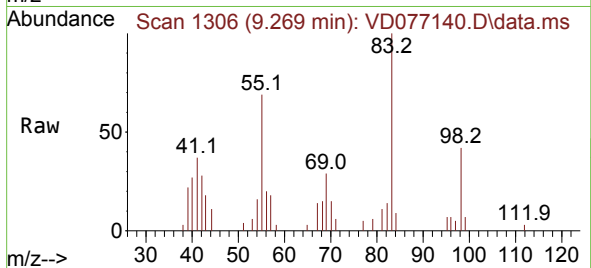
Tgt Ion: 83 Resp: 16195

Ion Ratio Lower Upper

83 100

55 65.2 49.4 74.0

98 42.0 38.4 57.6



#50

Toluene-d8

Concen: 50.762 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077140.D

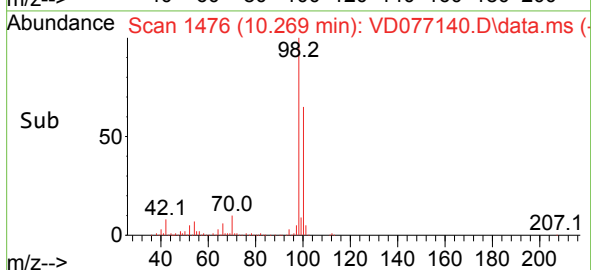
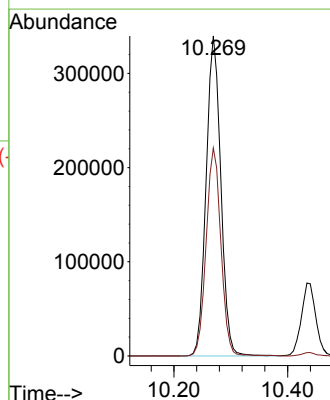
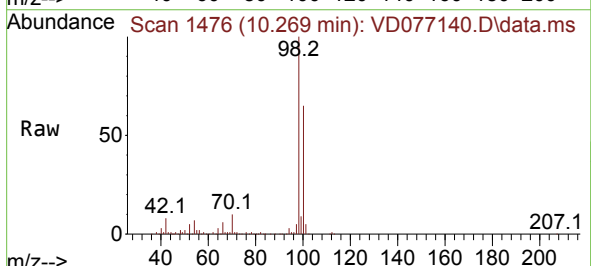
Acq: 18 Sep 2023 20:04

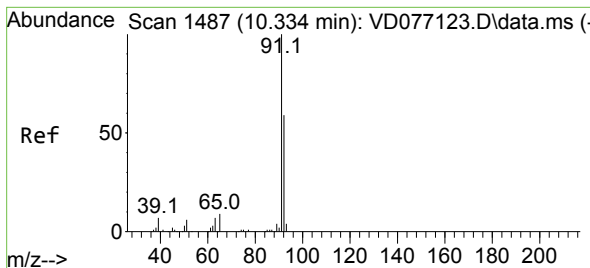
Tgt Ion: 98 Resp: 607612

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5





#52

Toluene

Concen: 13.244 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA_D

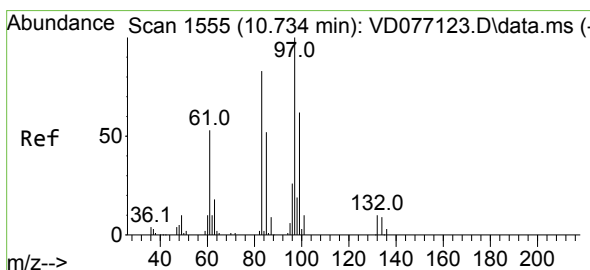
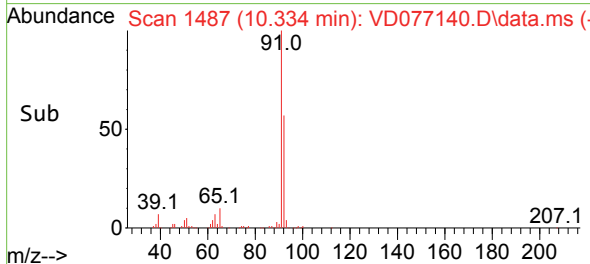
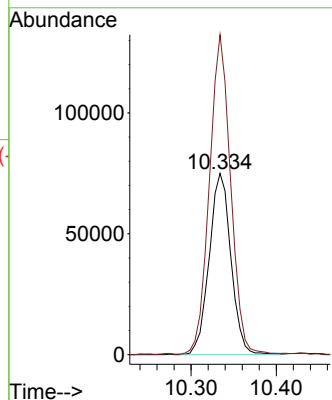
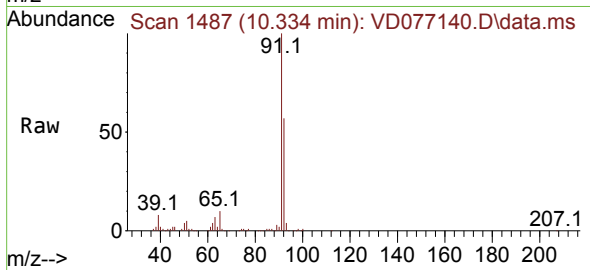
ClientSampleId :

Tgt Ion: 92 Resp: 132757

Ion Ratio Lower Upper

92 100

91 172.0 143.0 214.4



#55

1,1,2-Trichloroethane

Concen: 1.686 ug/l

RT: 10.704 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Tgt Ion: 97 Resp: 5072

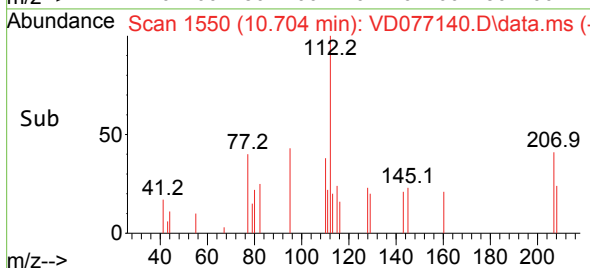
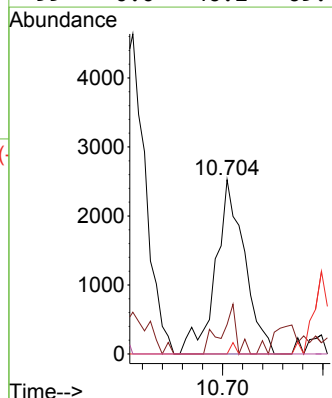
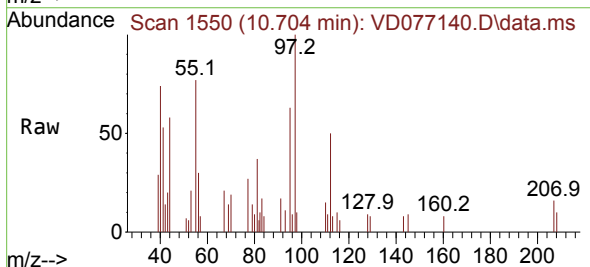
Ion Ratio Lower Upper

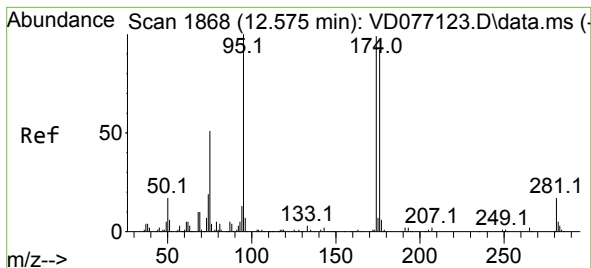
97 100

83 16.9 65.8 98.6#

85 0.0 45.7 68.5#

99 0.0 46.2 69.4#

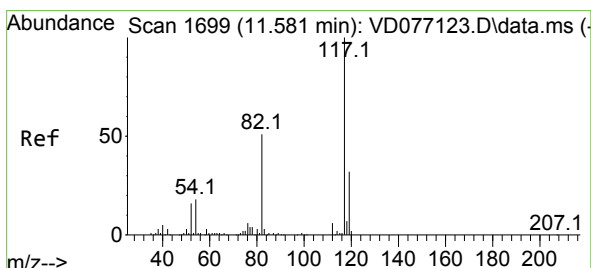
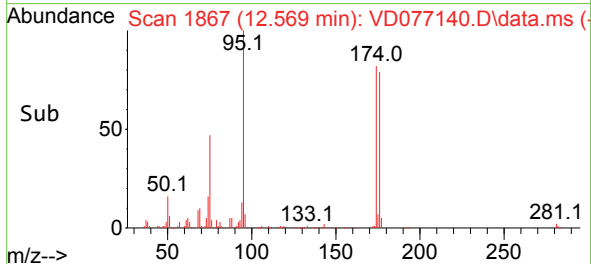
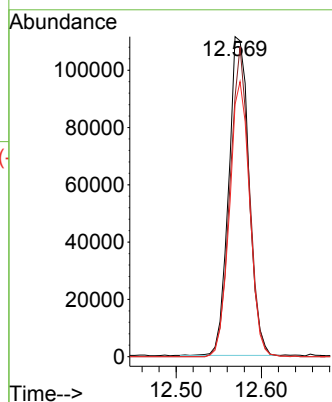
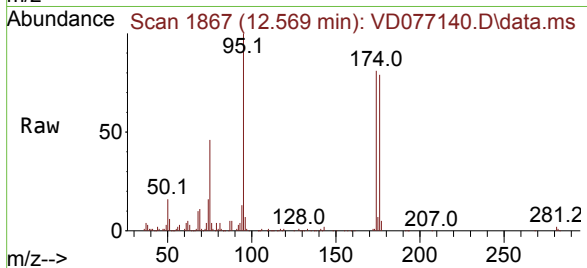




#62
4-Bromofluorobenzene
Concen: 49.832 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

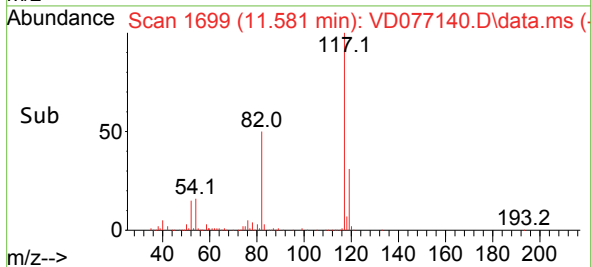
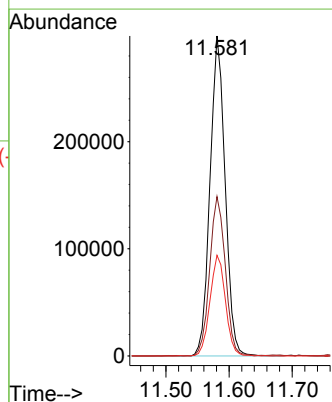
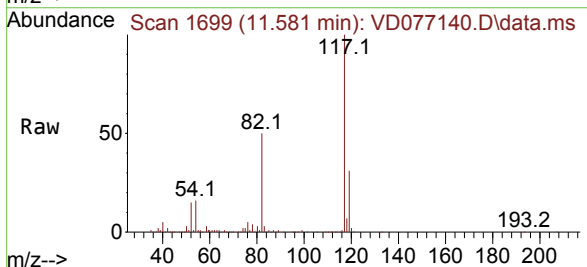
Instrument :
MSVOA_D
ClientSampleId :

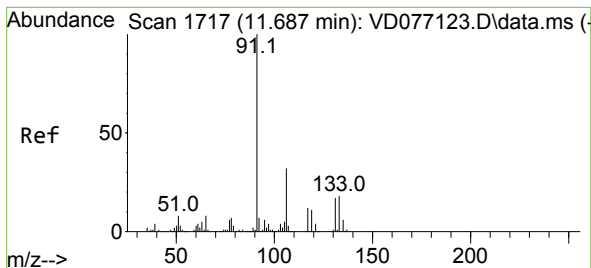
Tgt Ion: 95 Resp: 184873
Ion Ratio Lower Upper
95 100
174 92.4 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Tgt Ion: 117 Resp: 495514
Ion Ratio Lower Upper
117 100
82 49.7 38.3 57.5
119 31.4 25.0 37.4





#67

Ethyl Benzene

Concen: 1.228 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Instrument :

MSVOA_D

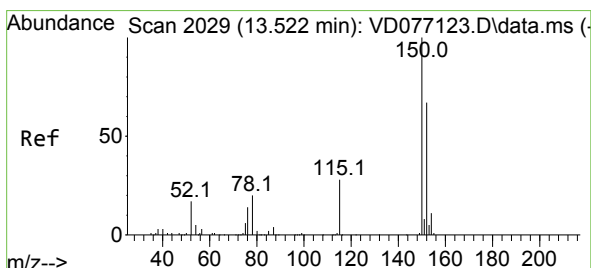
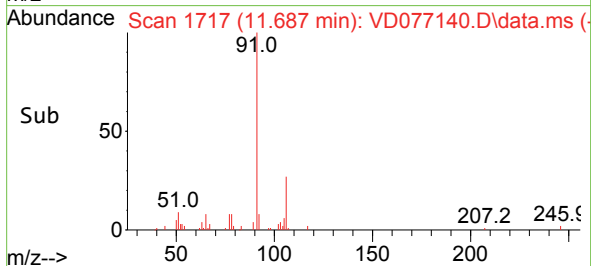
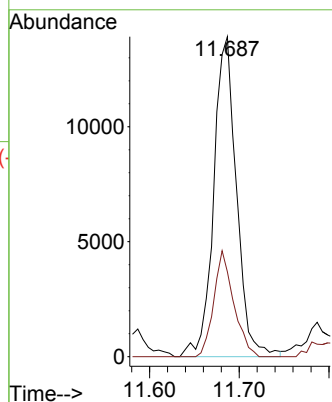
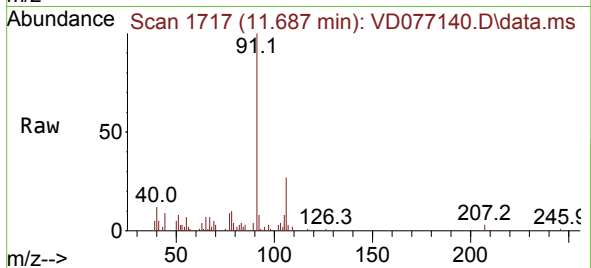
ClientSampleId :

Tgt Ion: 91 Resp: 24611

Ion Ratio Lower Upper

91 100

106 26.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

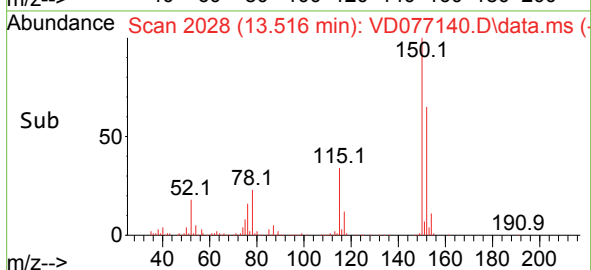
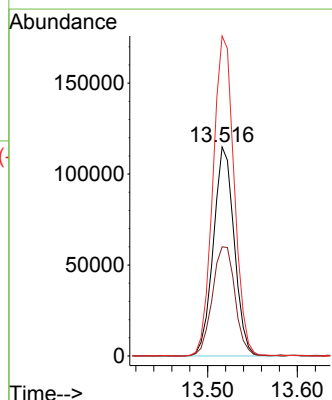
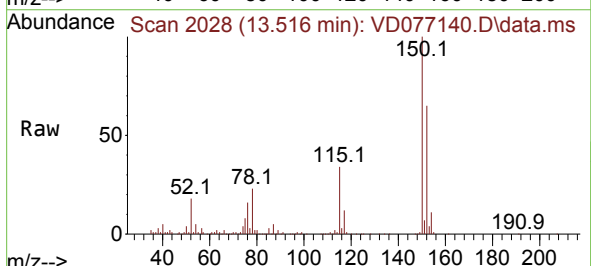
Tgt Ion:152 Resp: 185381

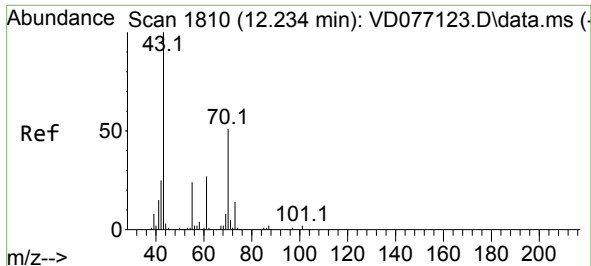
Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

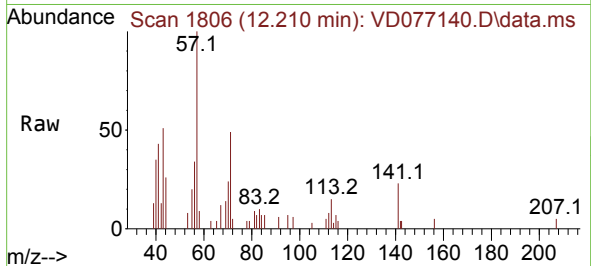
150 156.0 0.0 353.6



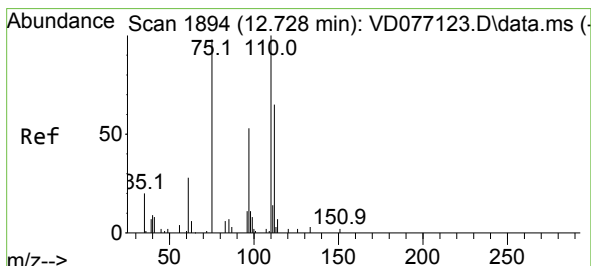
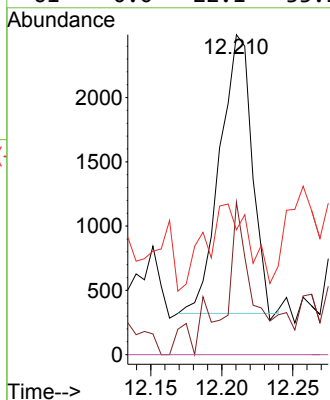
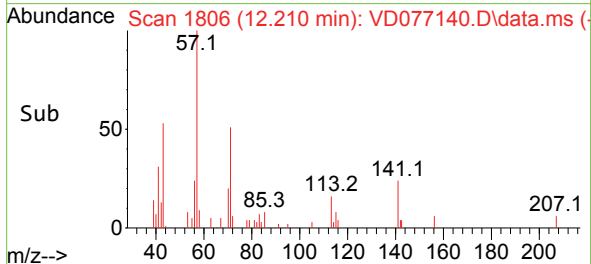


#74
N-amy1 acetate
Concen: 1.327 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.023 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Instrument :
MSVOA_D
ClientSampleId :

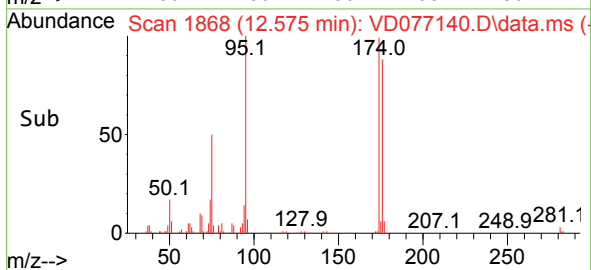
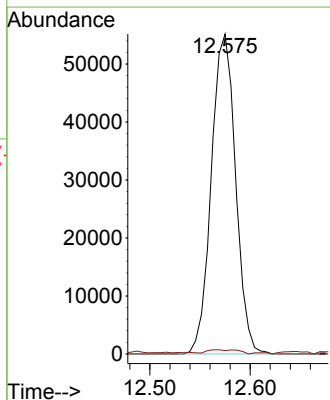
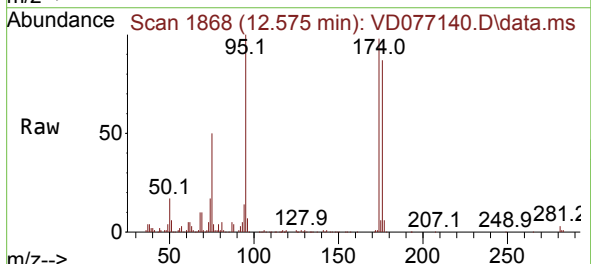


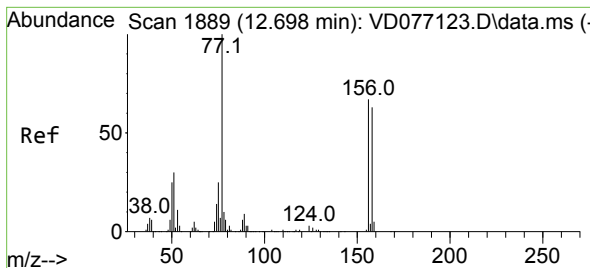
Tgt Ion: 43	Resp: 3414
Ion Ratio	Lower Upper
43 100	
70 51.5	45.0 67.4
55 36.7	23.8 35.6#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 62.729 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Tgt Ion: 75	Resp: 92760
Ion Ratio	Lower Upper
75 100	
77 1.7	0.0 0.0#





#77

Bromobenzene

Concen: 1.770 ug/l

RT: 12.728 min Scan# 1889

Delta R.T. 0.030 min

Lab File: VD077140.D

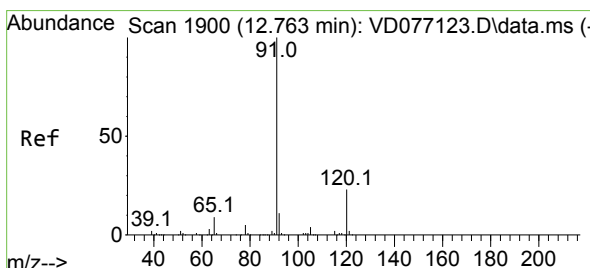
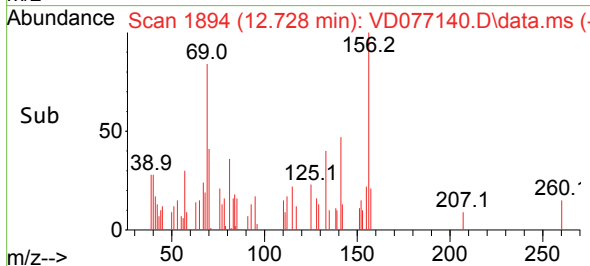
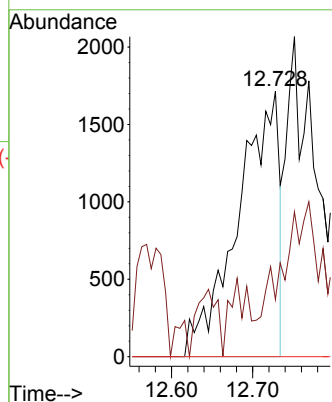
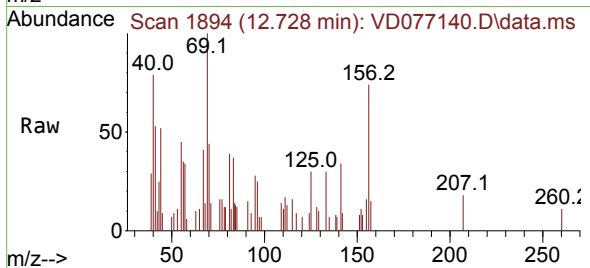
Acq: 18 Sep 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	156	Resp:	6036
Ion Ratio	Lower	Upper	
156	100		
77	5.8	76.8	230.4#
158	0.0	48.6	145.9#



#78

n-propylbenzene

Concen: 1.740 ug/l

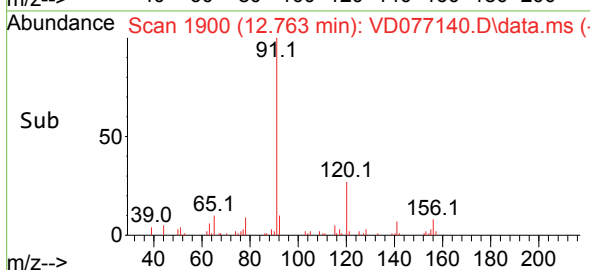
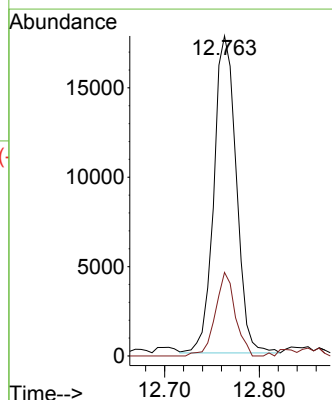
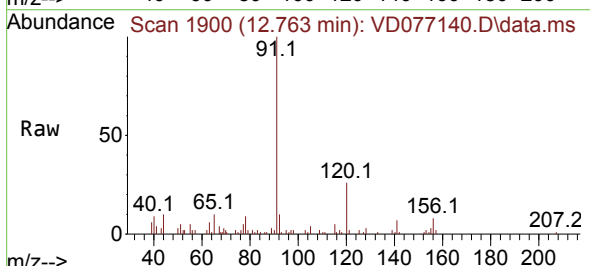
RT: 12.763 min Scan# 1900

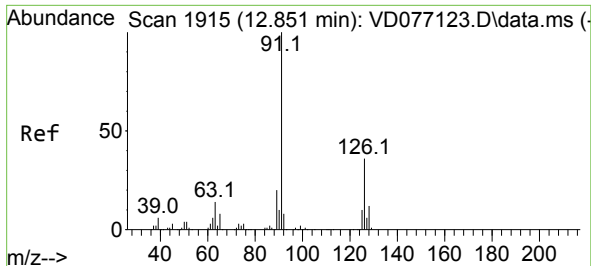
Delta R.T. 0.000 min

Lab File: VD077140.D

Acq: 18 Sep 2023 20:04

Tgt Ion:	91	Resp:	29126
Ion Ratio	Lower	Upper	
91	100		
120	23.4	12.4	37.2

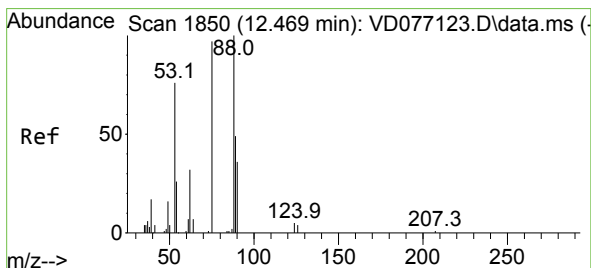
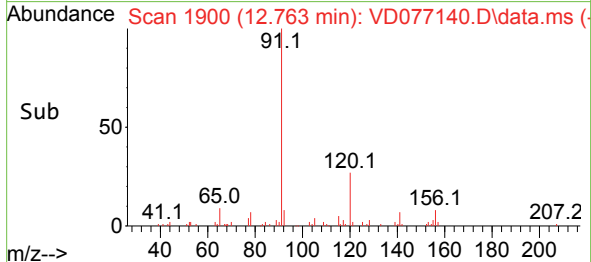
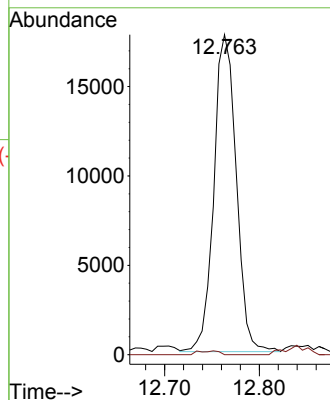
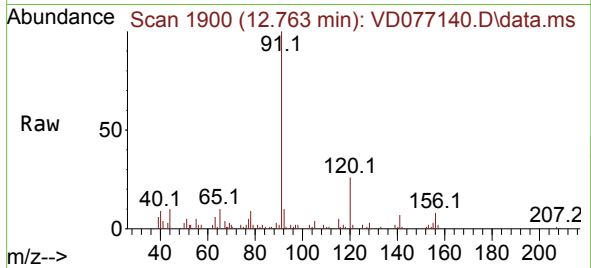




#79
2-Chlorotoluene
Concen: 3.155 ug/l
RT: 12.763 min Scan# 1915
Delta R.T. -0.088 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

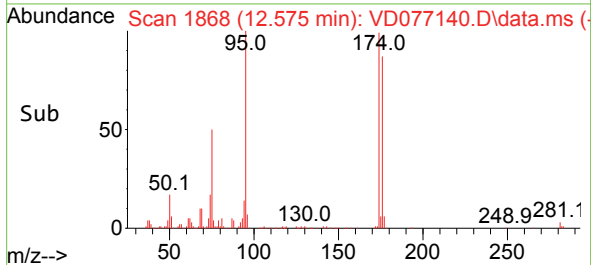
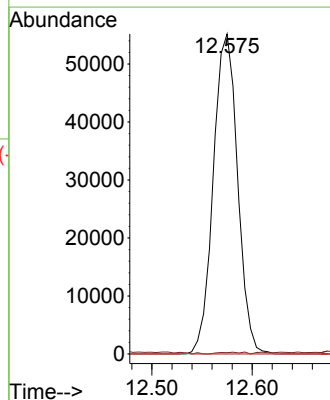
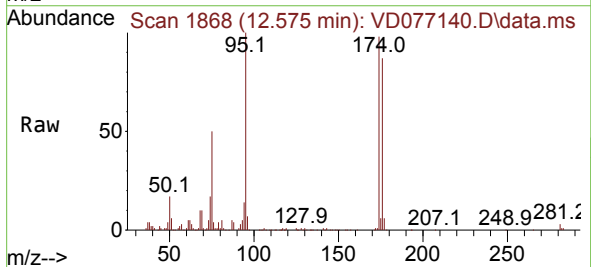
Instrument :
MSVOA_D
ClientSampleId :

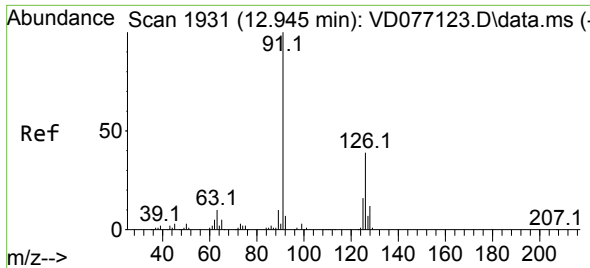
Tgt Ion: 91 Resp: 29126
Ion Ratio Lower Upper
91 100
126 1.1 19.4 58.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.734 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

Tgt Ion: 75 Resp: 92760
Ion Ratio Lower Upper
75 100
53 0.6 63.0 94.4#
89 0.0 37.9 56.9#

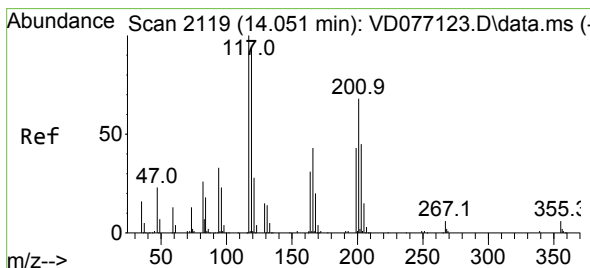
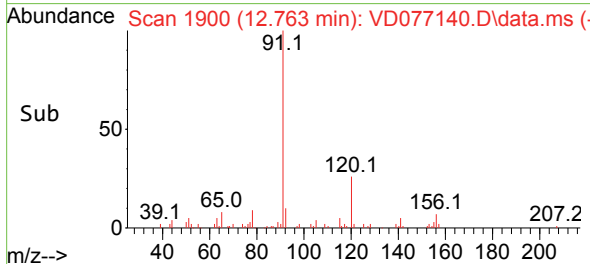
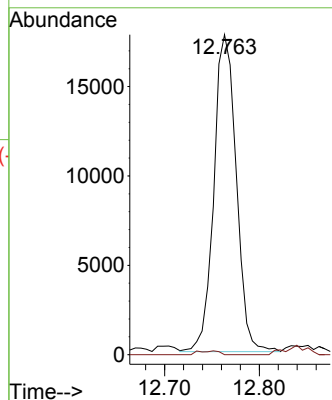
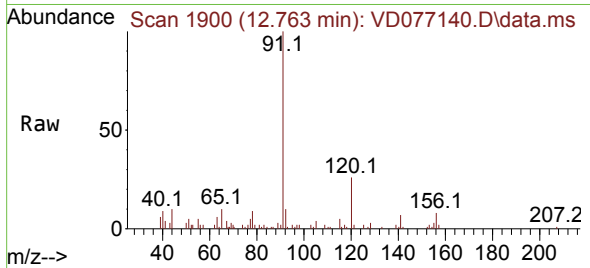




#82
4-Chlorotoluene
Concen: 3.001 ug/l
RT: 12.763 min Scan# 1931
Delta R.T. -0.182 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

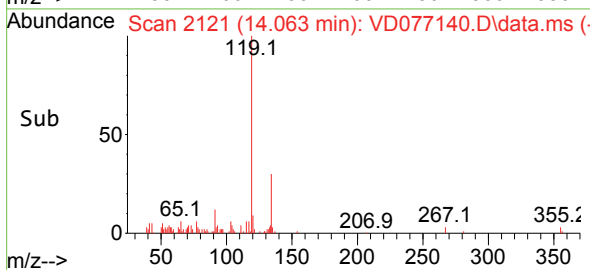
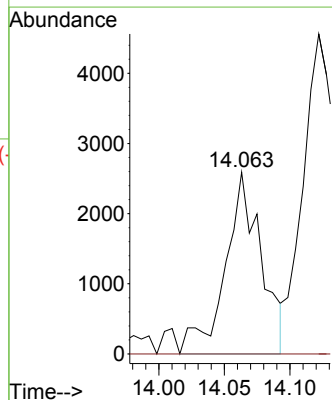
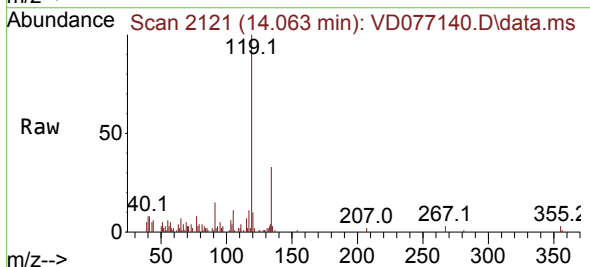
Instrument :
MSVOA_D
ClientSampleId :

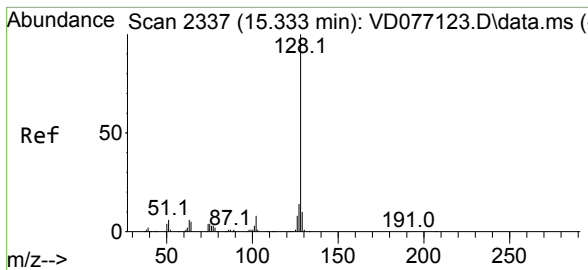
Tgt Ion: 91 Resp: 29126
Ion Ratio Lower Upper
91 100
126 1.1 19.4 58.4#



#90
Hexachloroethane
Concen: 1.995 ug/l
RT: 14.063 min Scan# 2121
Delta R.T. 0.012 min
Lab File: VD077140.D
Acq: 18 Sep 2023 20:04

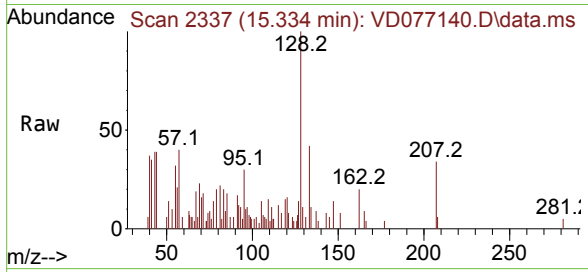
Tgt Ion: 117 Resp: 4922
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#





#95
 Naphthalene
 Concen: 1.404 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD077140.D
 Acq: 18 Sep 2023 20:04

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	9554
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.2	8.7	13.1

