

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077418.D
 Acq On : 25 Oct 2023 17:02
 Operator : JC/SY
 Sample : 05038-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 07:01:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

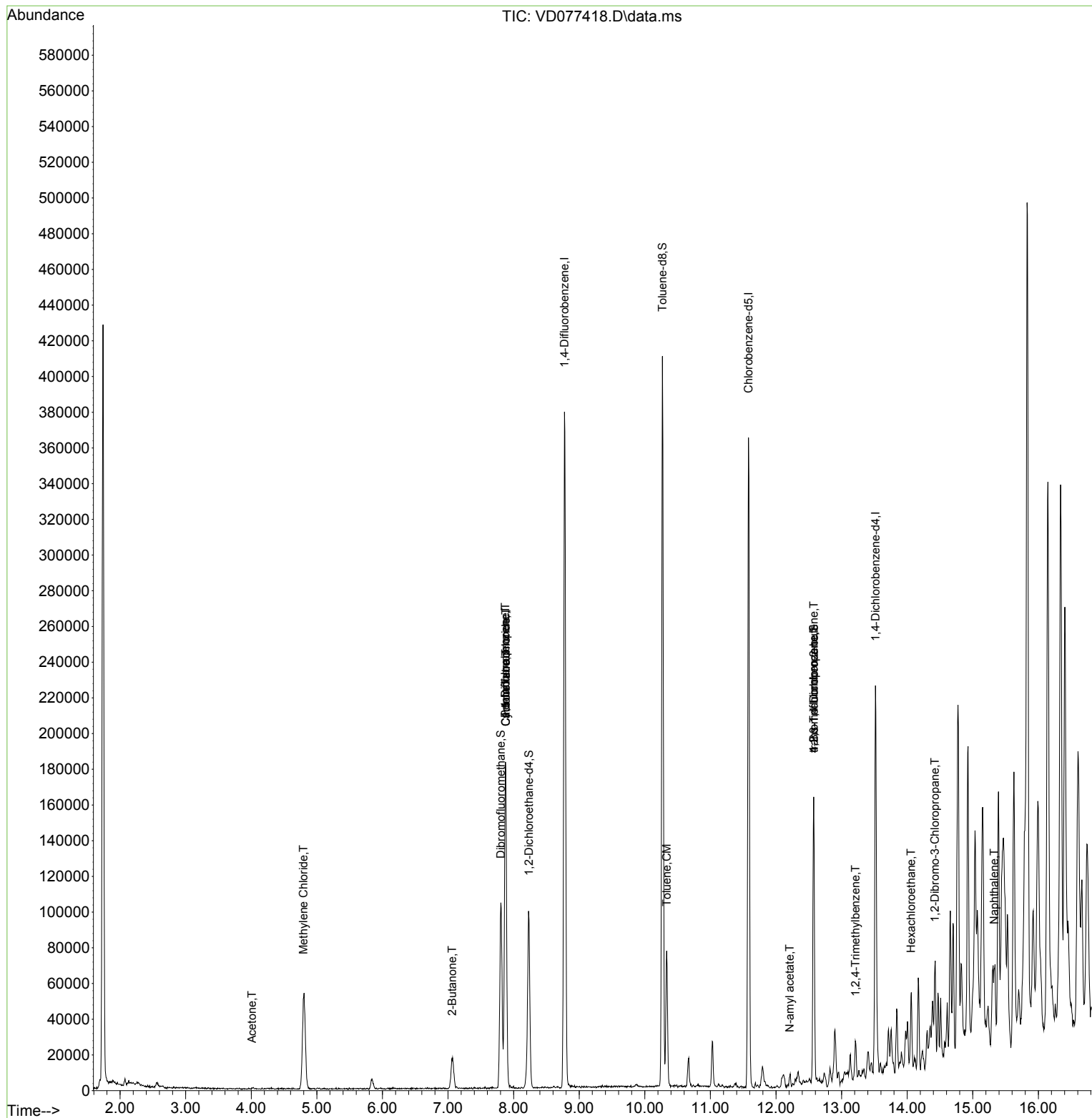
Internal Standards						
1) Pentafluorobenzene	7.875	168	138719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	233801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	63371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71970	58.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.200%
35) Dibromofluoromethane	7.805	113	78964	32.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.000%
50) Toluene-d8	10.269	98	297527	33.672	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	67.340%
62) 4-Bromofluorobenzene	12.575	95	48110	18.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.820%
Target Compounds						
					Qvalue	
16) Acetone	4.011	43	340	1.252	ug/l	90
20) Methylene Chloride	4.793	84	47981	26.990	ug/l #	92
25) 2-Butanone	7.063	43	526	1.867	ug/l #	37
31) Cyclohexane	7.881	56	2565	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	11682	3.603	ug/l #	48
38) Carbon Tetrachloride	7.881	117	15237	4.225	ug/l #	14
52) Toluene	10.334	92	33390	5.198	ug/l	100
74) N-amyl acetate	12.210	43	1358	2.252	ug/l #	42
76) 1,2,3-Trichloropropane	12.575	75	24122	29.242	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	24122	101.996	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	12149	3.488	ug/l	96
90) Hexachloroethane	14.057	117	2416	2.981	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.422	75	169	1.813	ug/l #	1
95) Naphthalene	15.328	128	21310	10.355	ug/l #	92

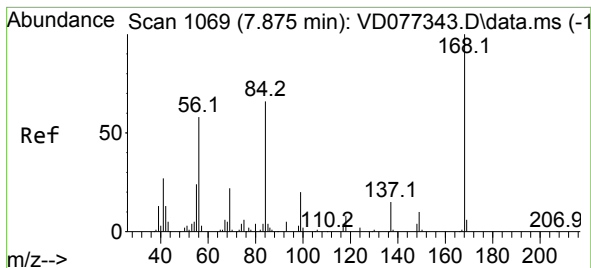
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 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: VD077418.D

Acq: 25 Oct 2023 17:02

Instrument :

MSVOA_D

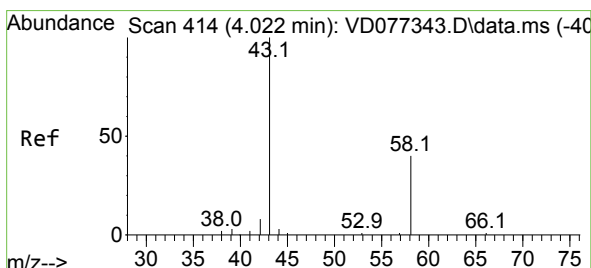
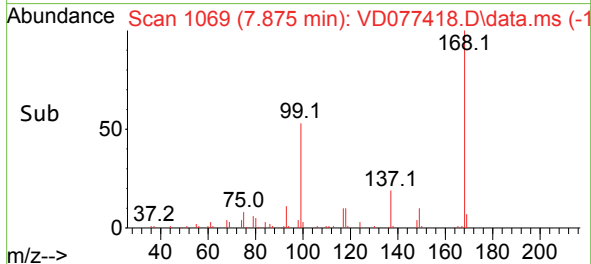
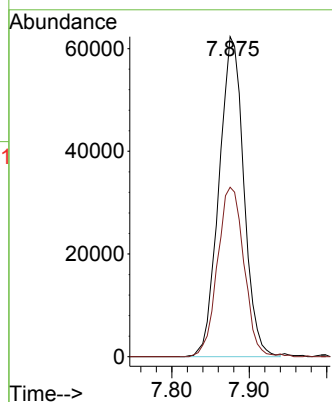
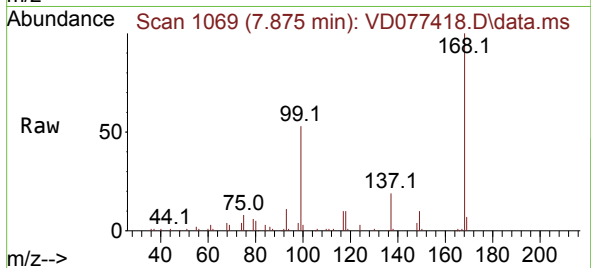
ClientSampleId :

Tgt Ion:168 Resp: 138719

Ion Ratio Lower Upper

168 100

99 53.0 36.7 55.1



#16

Acetone

Concen: 1.252 ug/l

RT: 4.011 min Scan# 412

Delta R.T. -0.011 min

Lab File: VD077418.D

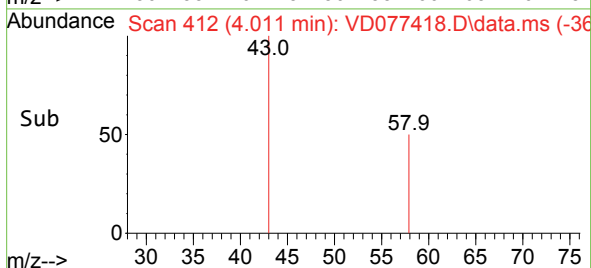
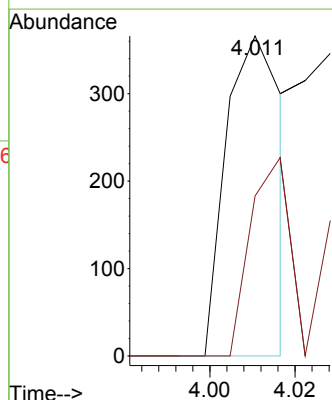
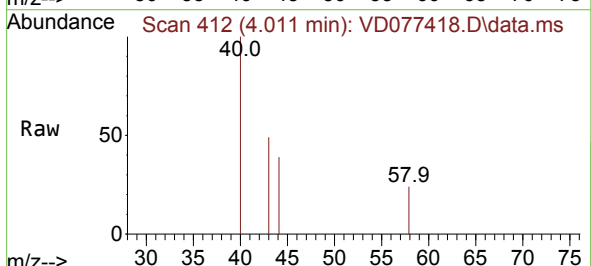
Acq: 25 Oct 2023 17:02

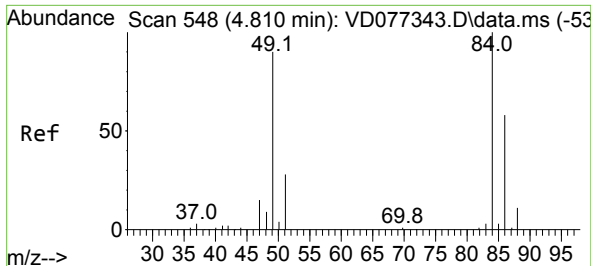
Tgt Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

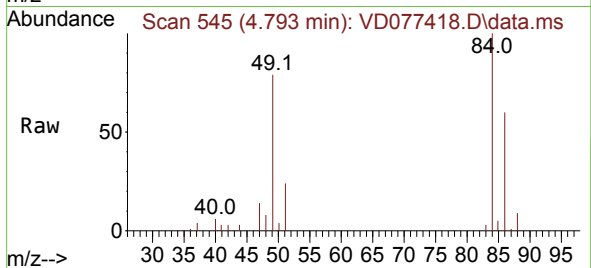
58 50.0 34.7 52.1



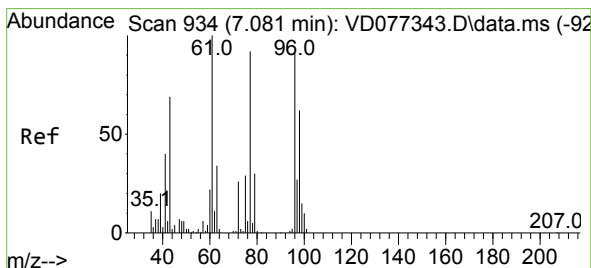
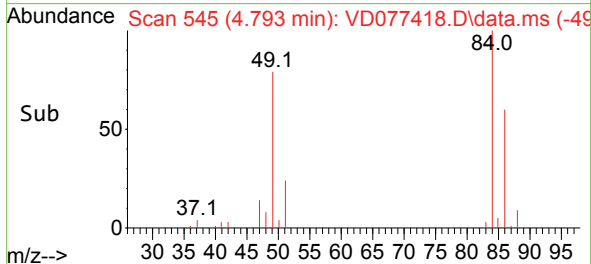
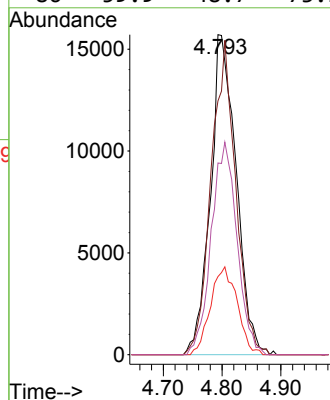


#20
Methylene Chloride
Concen: 26.990 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Instrument :
MSVOA_D
ClientSampleId :

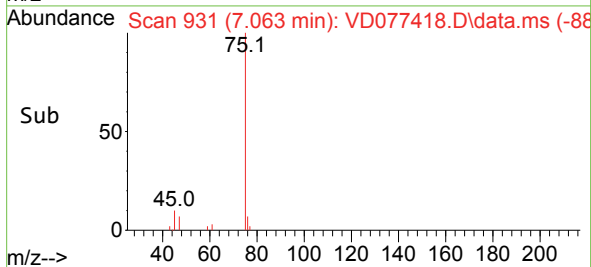
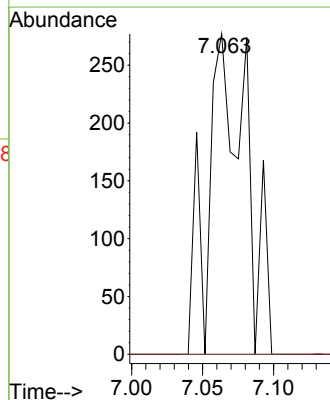
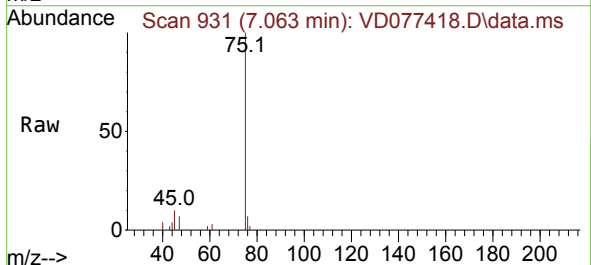


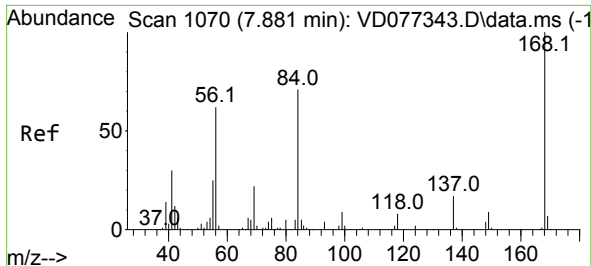
Tgt Ion: 84 Resp: 47981
Ion Ratio Lower Upper
84 100
49 79.3 71.4 107.2
51 24.4 24.5 36.7#
86 59.9 48.7 73.1



#25
2-Butanone
Concen: 1.867 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

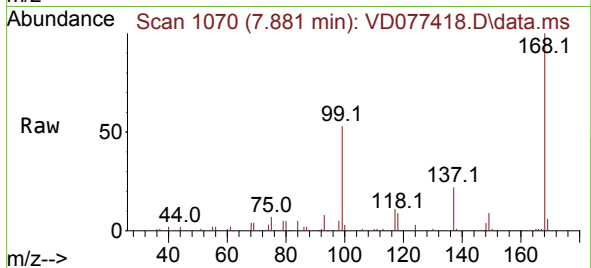
Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



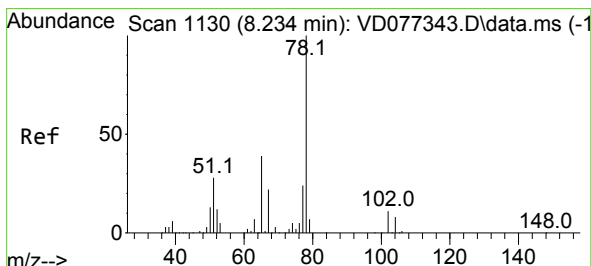
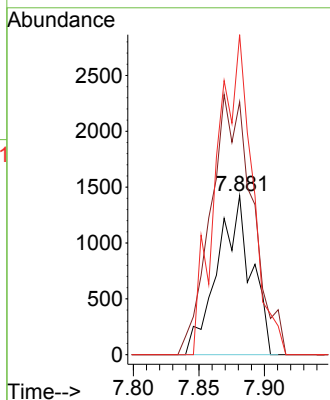
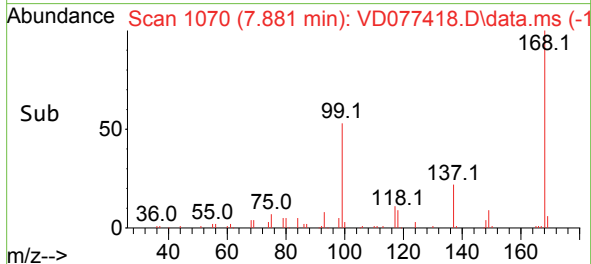


#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Instrument :
MSVOA_D
ClientSampleId :

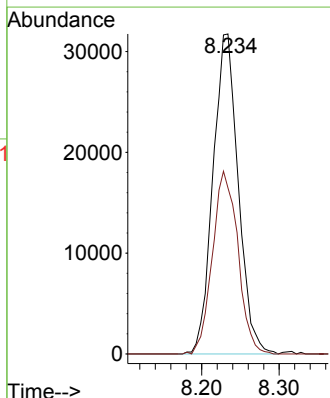
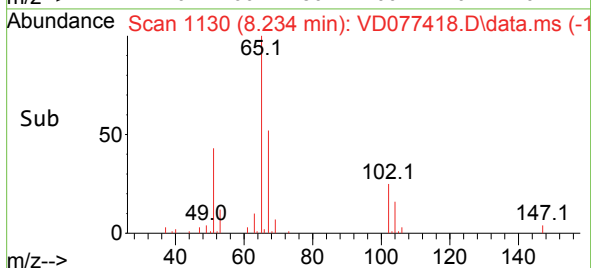
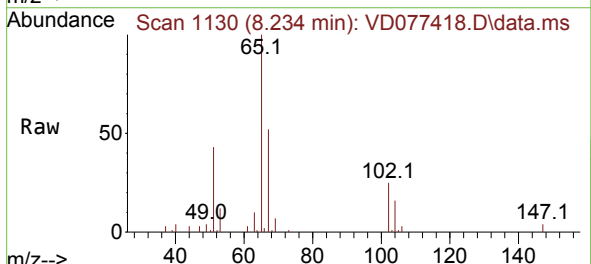


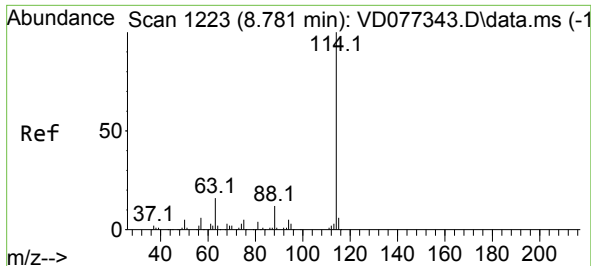
Tgt Ion: 56 Resp: 2565
Ion Ratio Lower Upper
56 100
69 159.0 28.6 43.0#
84 201.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 58.102 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion: 65 Resp: 71970
Ion Ratio Lower Upper
65 100
67 57.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD077418.D

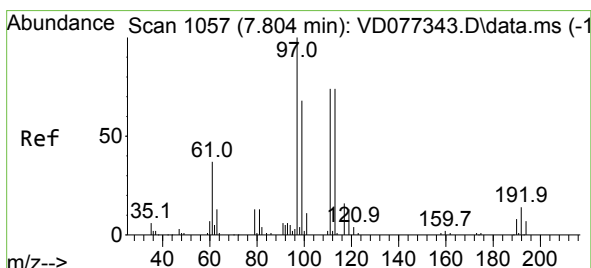
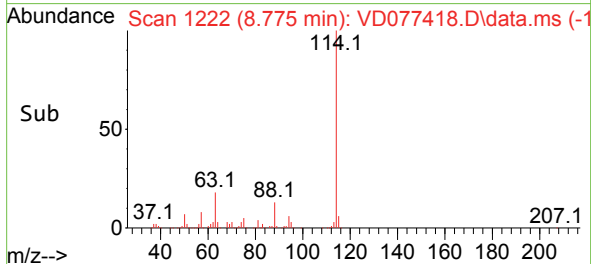
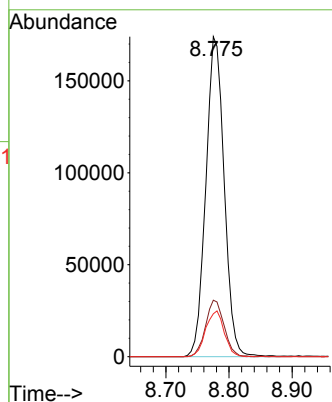
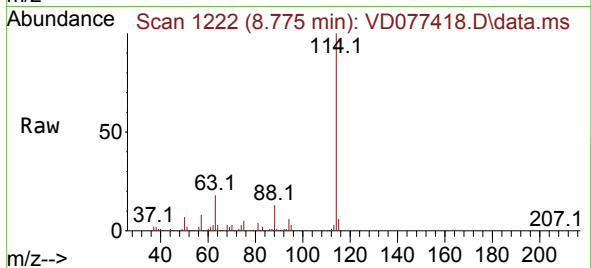
Acq: 25 Oct 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	351192
Ion	Ratio	Lower Upper
114	100	
63	17.7	0.0 33.4
88	13.4	0.0 26.2



#35

Dibromofluoromethane

Concen: 32.005 ug/l

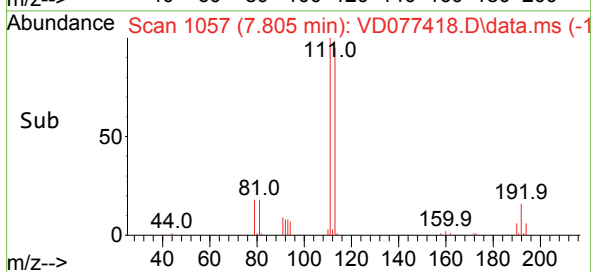
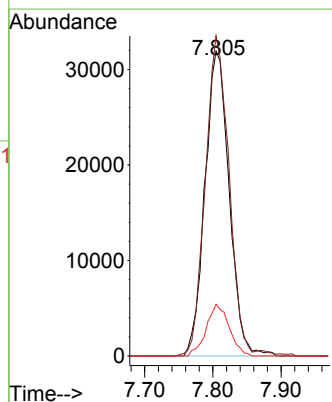
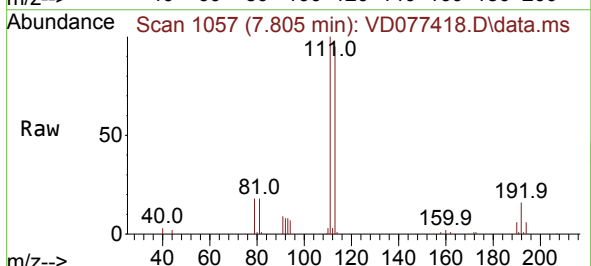
RT: 7.805 min Scan# 1057

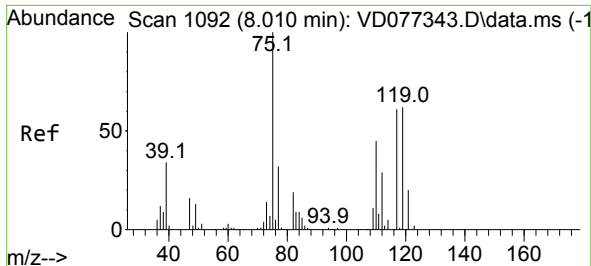
Delta R.T. 0.001 min

Lab File: VD077418.D

Acq: 25 Oct 2023 17:02

Tgt Ion:113	Resp:	78964
Ion	Ratio	Lower Upper
113	100	
111	102.4	84.7 127.1
192	16.0	16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.603 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD077418.D

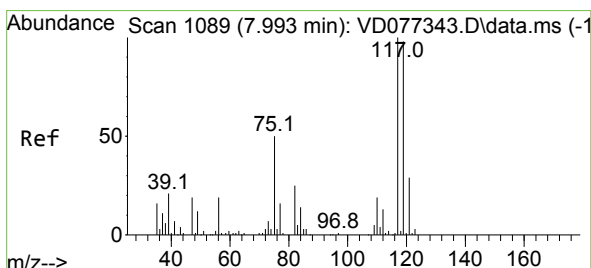
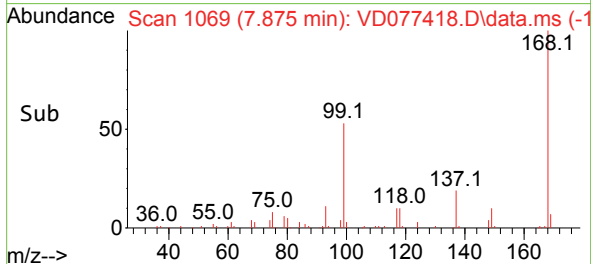
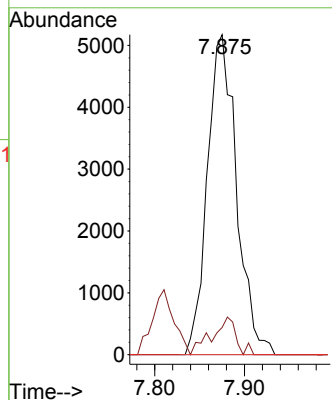
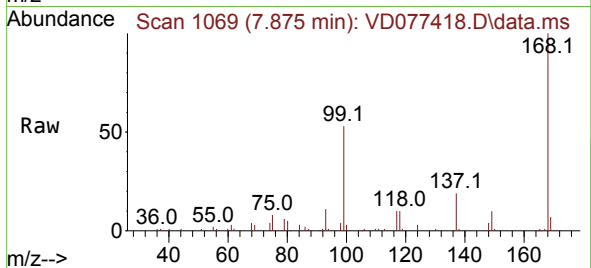
Acq: 25 Oct 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 11682
Ion Ratio	Lower Upper
75	100
110	9.8 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.225 ug/l

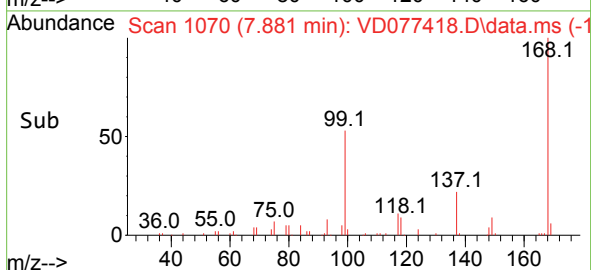
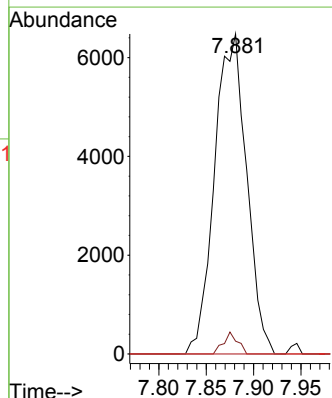
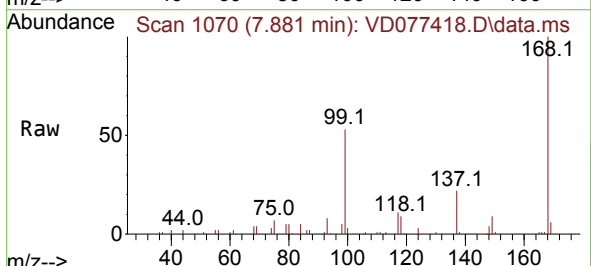
RT: 7.881 min Scan# 1070

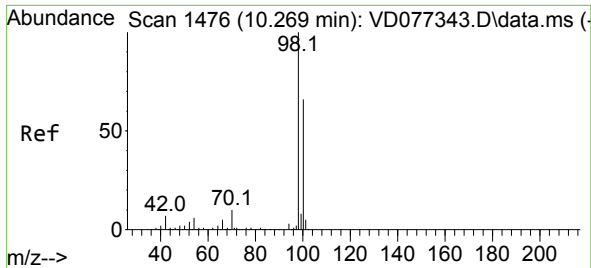
Delta R.T. -0.112 min

Lab File: VD077418.D

Acq: 25 Oct 2023 17:02

Tgt Ion: 117	Resp: 15237
Ion Ratio	Lower Upper
117	100
119	4.0 78.0 117.0#
121	0.0 24.2 36.2#

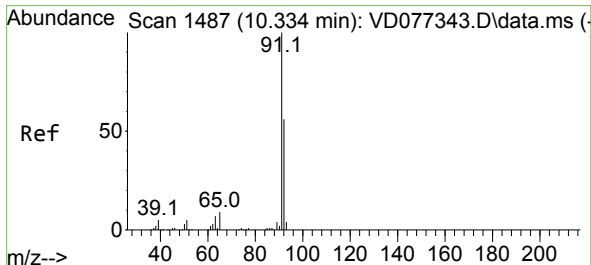
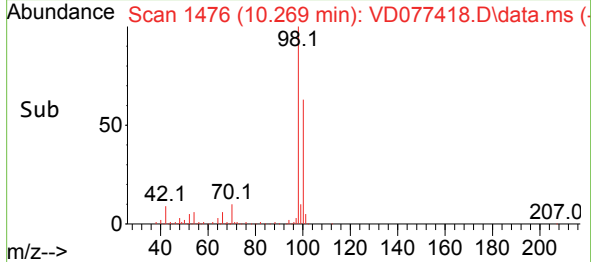
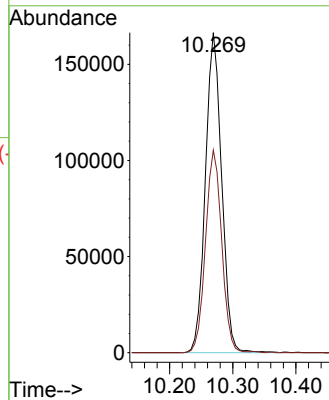
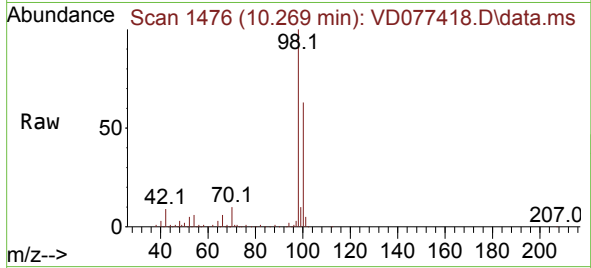




#50
Toluene-d8
Concen: 33.672 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

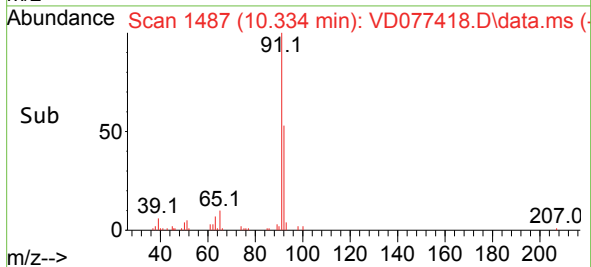
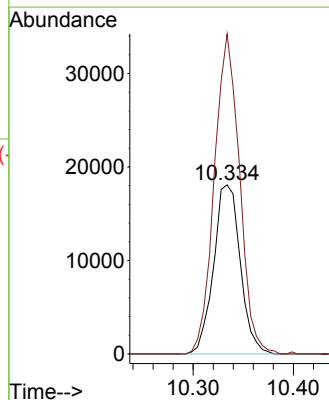
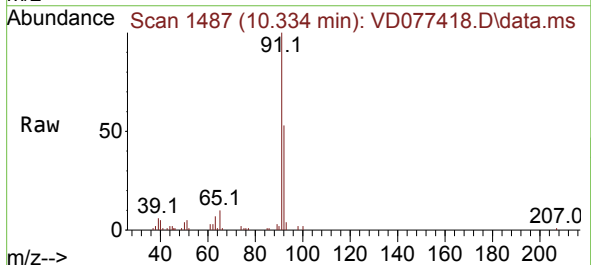
Instrument :
MSVOA_D
ClientSampleId :

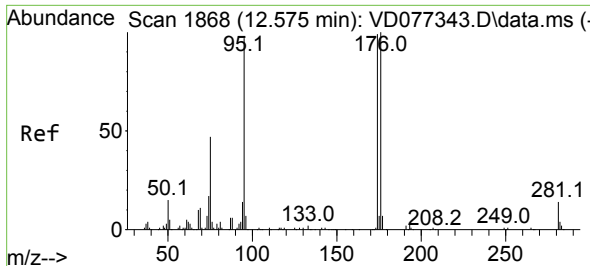
Tgt Ion: 98 Resp: 297527
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#52
Toluene
Concen: 5.198 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion: 92 Resp: 33390
Ion Ratio Lower Upper
92 100
91 179.1 143.0 214.4

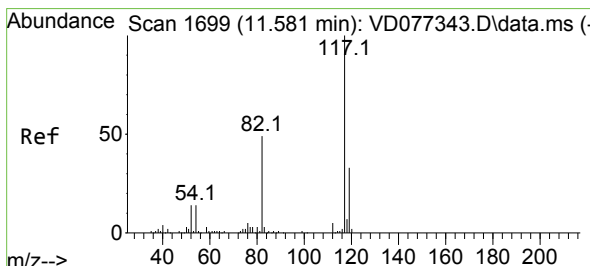
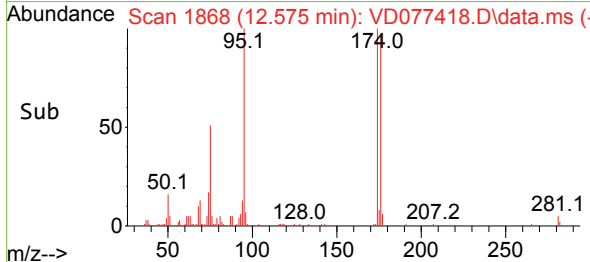
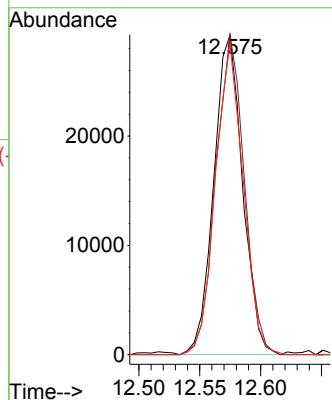
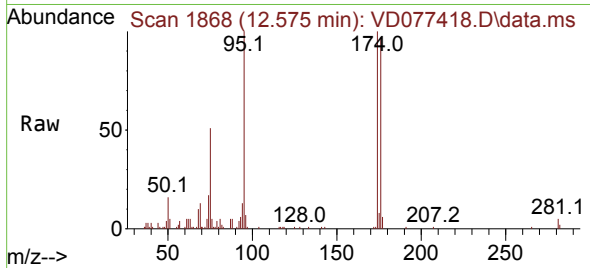




#62
4-Bromofluorobenzene
Concen: 18.915 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

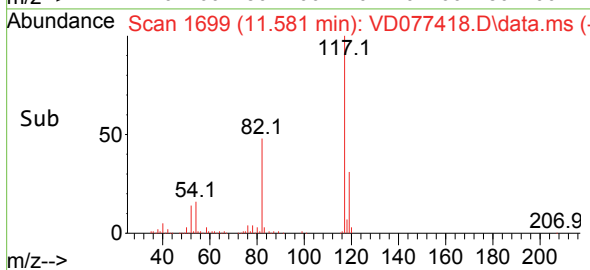
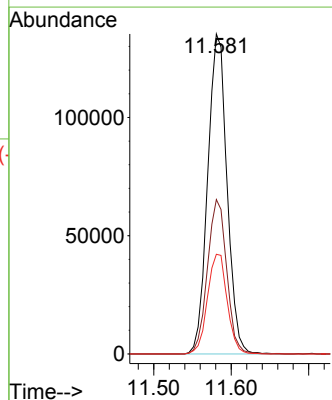
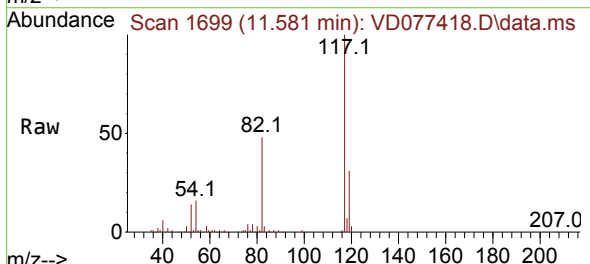
Instrument :
MSVOA_D
ClientSampleId :

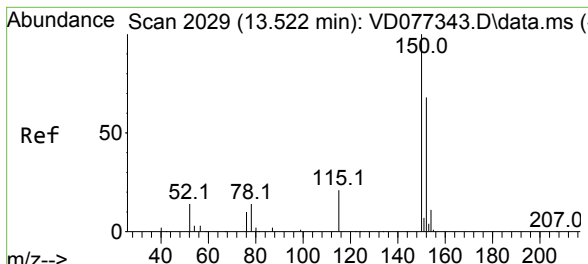
Tgt Ion: 95 Resp: 48110
Ion Ratio Lower Upper
95 100
174 98.9 0.0 201.8
176 93.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

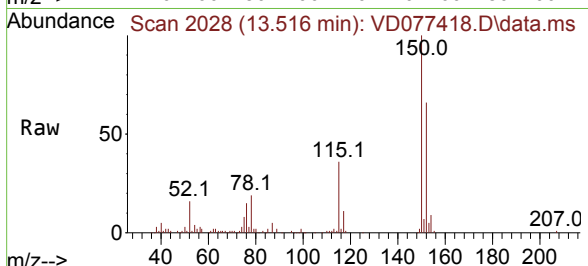
Tgt Ion: 117 Resp: 233801
Ion Ratio Lower Upper
117 100
82 48.3 38.3 57.5
119 31.1 25.0 37.4



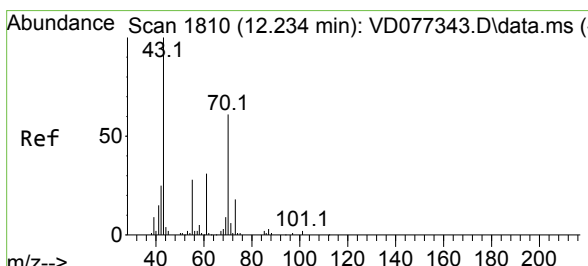
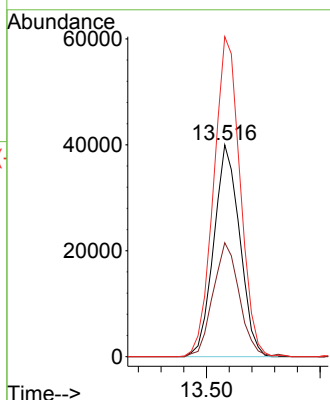
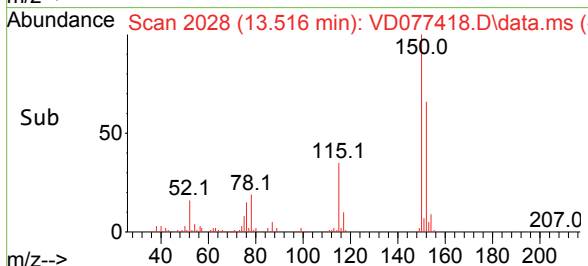


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077418.D
 Acq: 25 Oct 2023 17:02

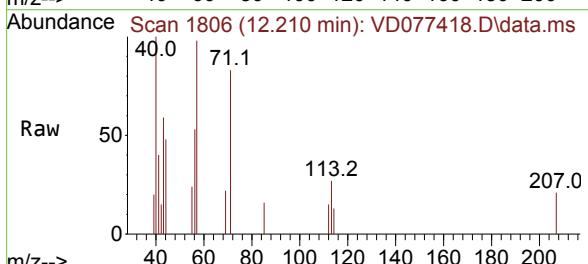
Instrument :
 MSVOA_D
 ClientSampleId :



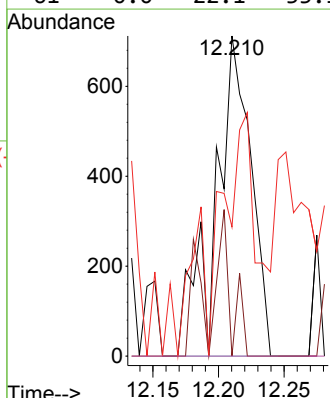
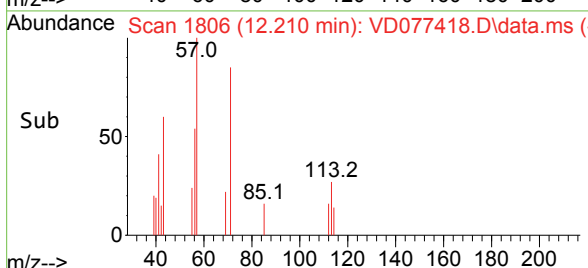
Tgt Ion:	152	Resp:	63371
Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.1	81.3
150	154.4	0.0	353.6

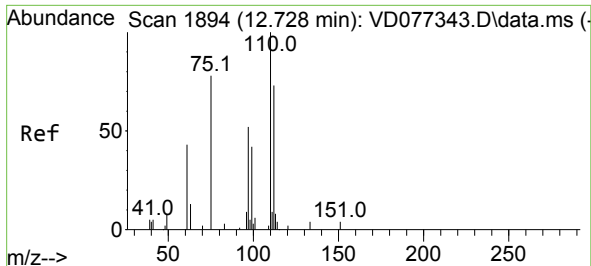


#74
 N-ethyl acetate
 Concen: 2.252 ug/l
 RT: 12.210 min Scan# 1806
 Delta R.T. -0.023 min
 Lab File: VD077418.D
 Acq: 25 Oct 2023 17:02



Tgt Ion:	43	Resp:	1358
Ion	Ratio	Lower	Upper
43	100		
70	17.5	45.0	67.4#
55	69.1	23.8	35.6#
61	0.0	22.1	33.1#

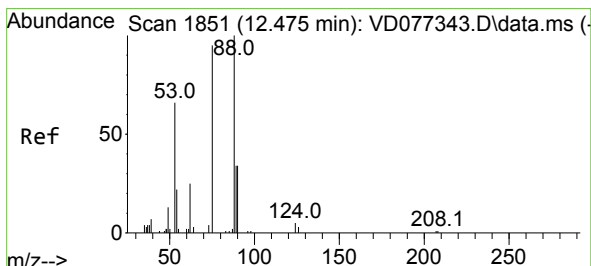
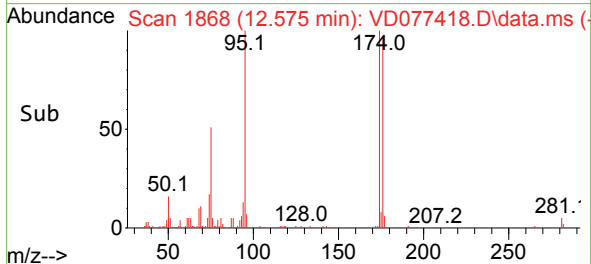
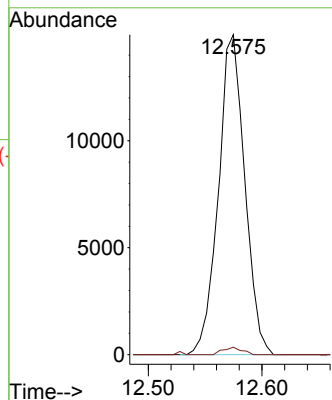
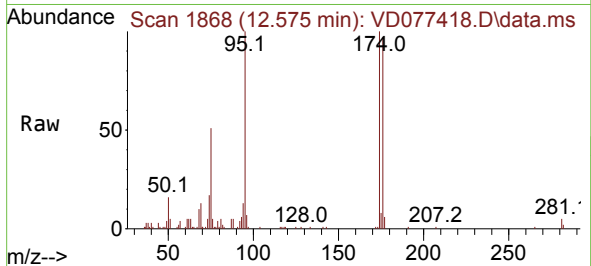




#76
1,2,3-Trichloropropane
Concen: 29.242 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

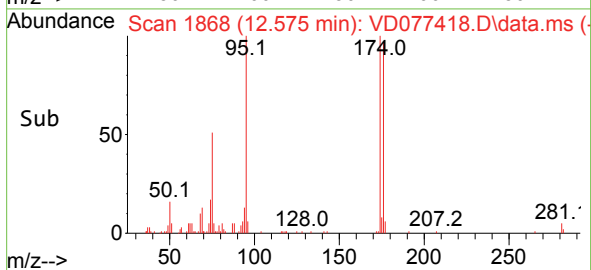
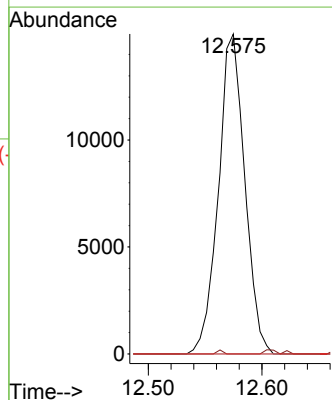
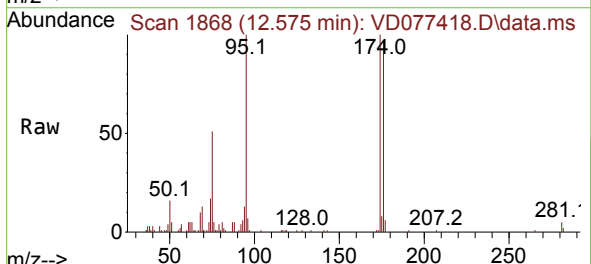
Instrument :
MSVOA_D
ClientSampleId :

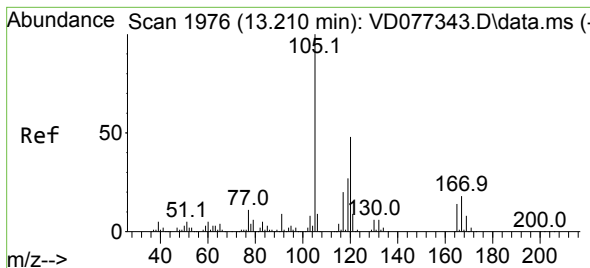
Tgt Ion: 75 Resp: 24122
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.996 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion: 75 Resp: 24122
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 3.488 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077418.D

Acq: 25 Oct 2023 17:02

Instrument :

MSVOA_D

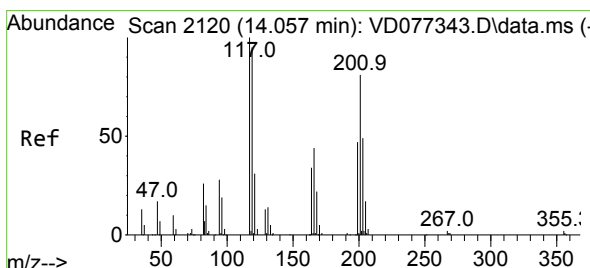
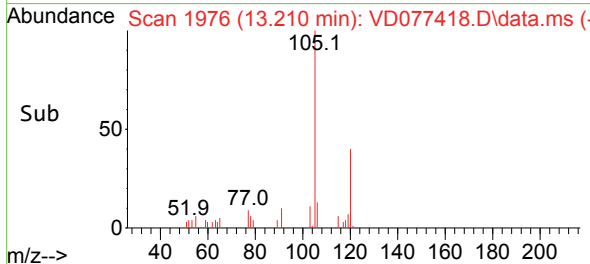
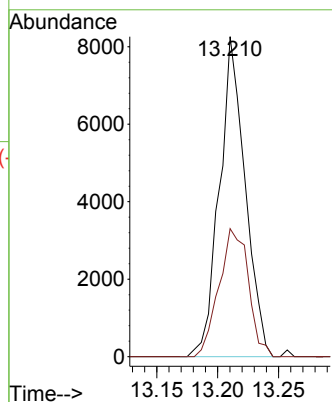
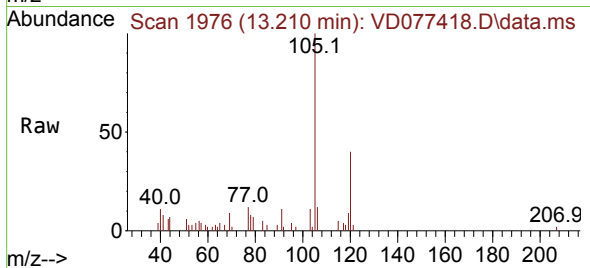
ClientSampleId :

Tgt Ion:105 Resp: 12149

Ion Ratio Lower Upper

105 100

120 45.7 24.3 72.9



#90

Hexachloroethane

Concen: 2.981 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.000 min

Lab File: VD077418.D

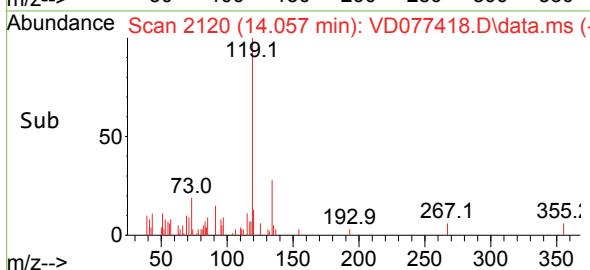
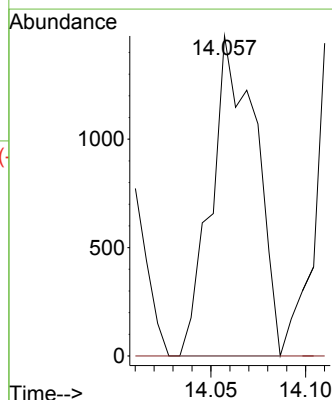
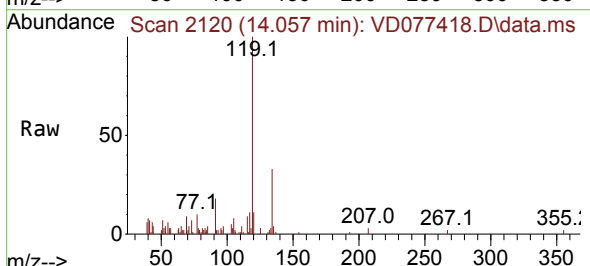
Acq: 25 Oct 2023 17:02

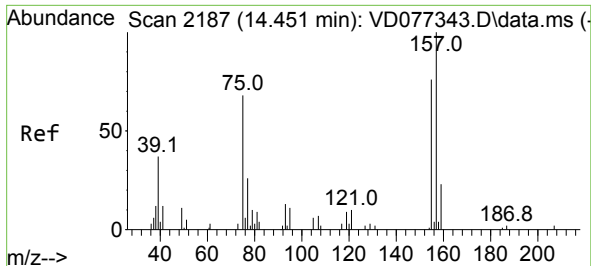
Tgt Ion:117 Resp: 2416

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.5#

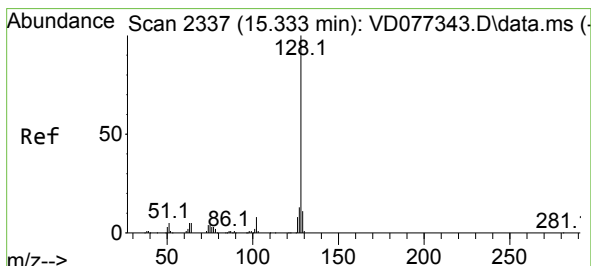
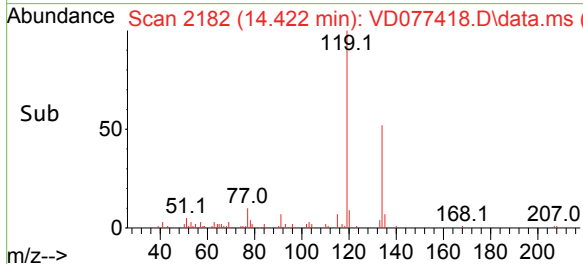
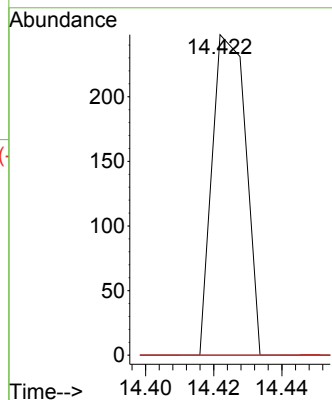
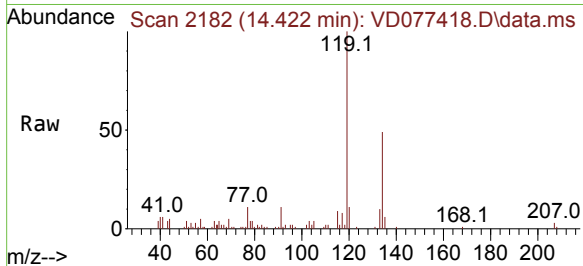




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.813 ug/l
RT: 14.422 min Scan# 2187
Delta R.T. -0.029 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 10.355 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion: 128 Resp: 21310
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 7.8 8.7 13.1#

