

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077818.D
 Acq On : 11 Dec 2023 18:22
 Operator : JC/SY
 Sample : 05671-05RE
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 18:34:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

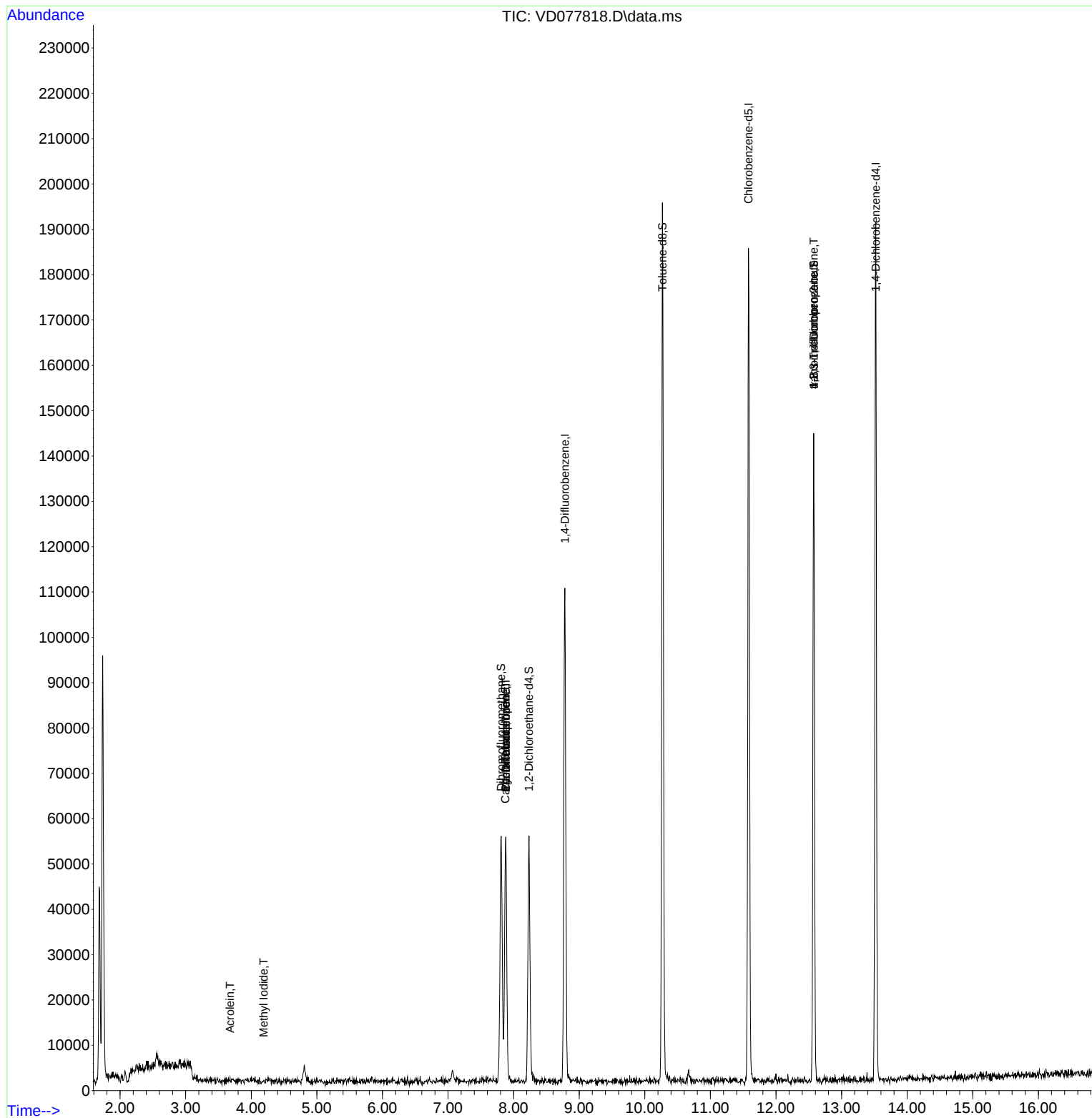
Internal Standards						
1) Pentafluorobenzene	7.881	168	41505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	98402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	108125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	52182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	40302	82.404	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.800%#	
35) Dibromofluoromethane	7.810	113	39556	57.388	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.780%	
50) Toluene-d8	10.269	98	136386	49.404	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.800%	
62) 4-Bromofluorobenzene	12.575	95	43991	53.299	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.600%	
Target Compounds						Qvalue
10) Methyl Iodide	4.187	142	69	6.876	ug/l #	46
11) Tert butyl alcohol	4.805	59	151	Below Cal	#	73
13) Acrolein	3.675	56	58	1.121	ug/l #	15
16) Acetone	4.022	43	807	Below Cal		93
20) Methylene Chloride	4.811	84	2208	Below Cal	#	61
25) 2-Butanone	7.116	43	66	Below Cal	#	37
31) Cyclohexane	7.881	56	1286	1.478	ug/l #	81
36) 1,1-Dichloropropene	7.881	75	3647	3.308	ug/l #	41
38) Carbon Tetrachloride	7.875	117	4281	3.895	ug/l #	11
65) Chlorobenzene	11.610	112	374	Below Cal	#	70
76) 1,2,3-Trichloropropane	12.575	75	22489	49.622	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	22489	100.538	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	249	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.640	75	74	Below Cal	#	1

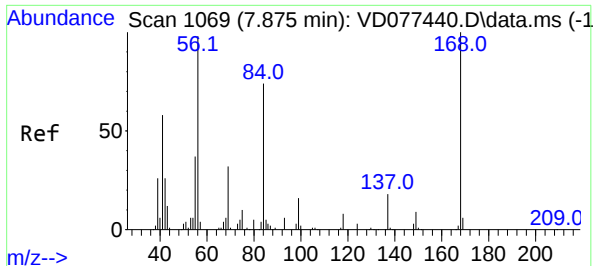
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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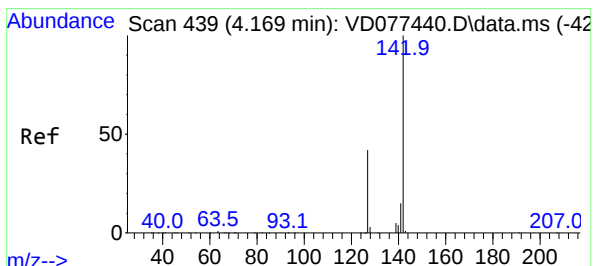
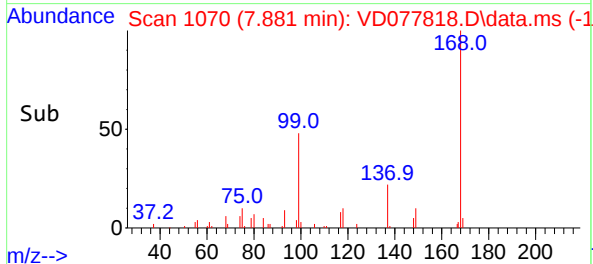
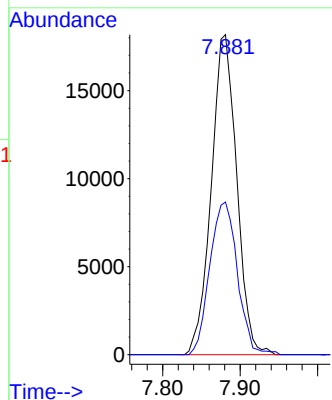
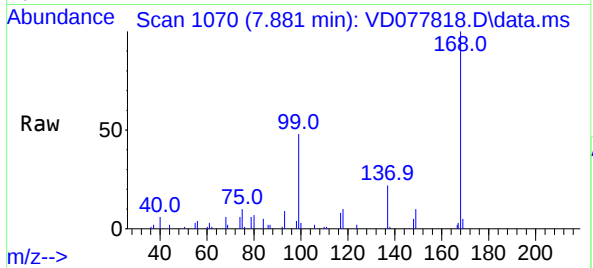




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

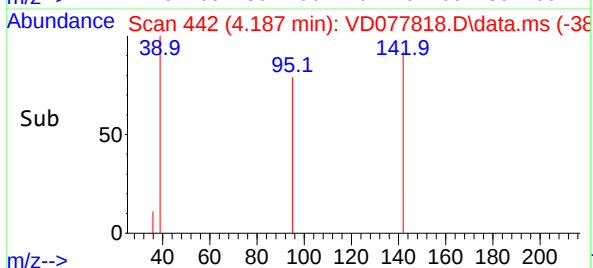
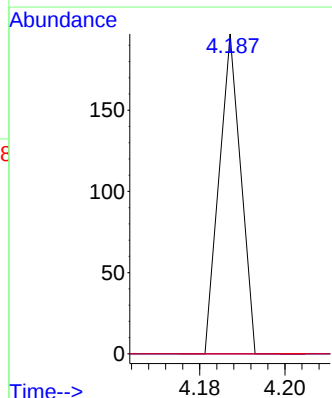
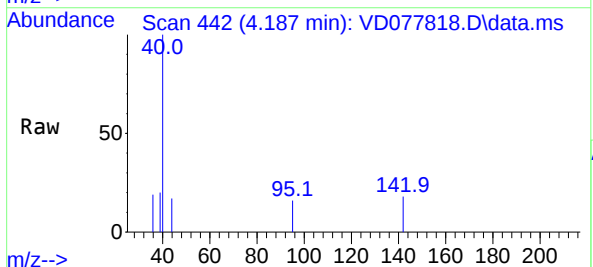
Instrument :
MSVOA_D
ClientSampleId :

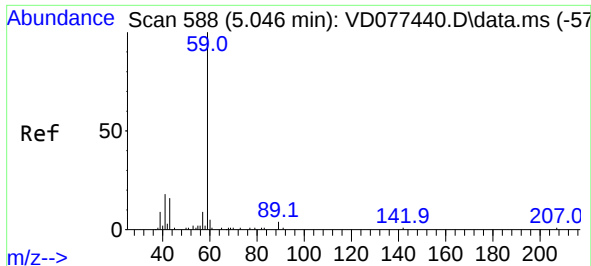
Tgt Ion:168 Resp: 41505
Ion Ratio Lower Upper
168 100
99 47.7 36.7 55.1



#10
Methyl Iodide
Concen: 6.876 ug/l
RT: 4.187 min Scan# 442
Delta R.T. 0.018 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

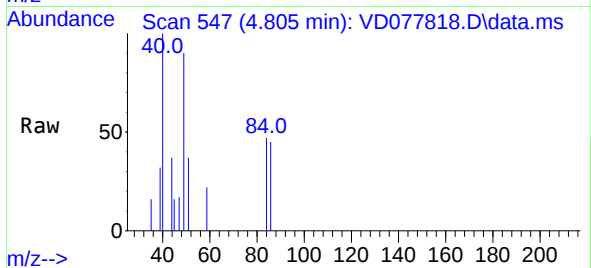
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#



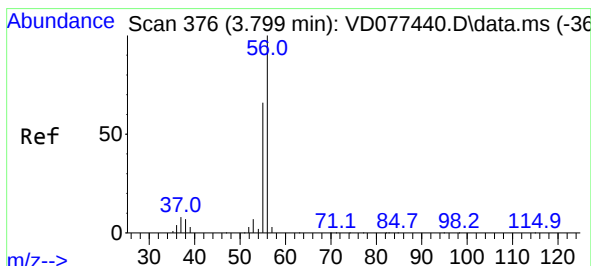
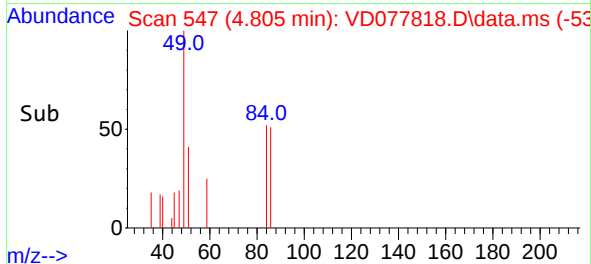
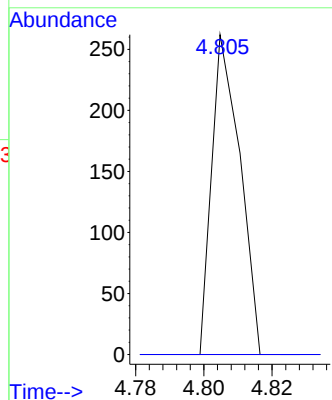


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.241 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Instrument :
MSVOA_D
ClientSampleId :

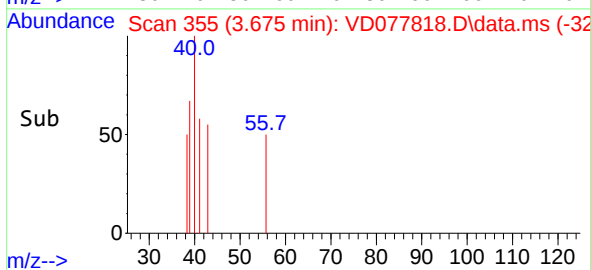
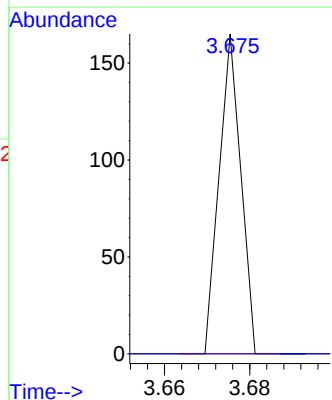
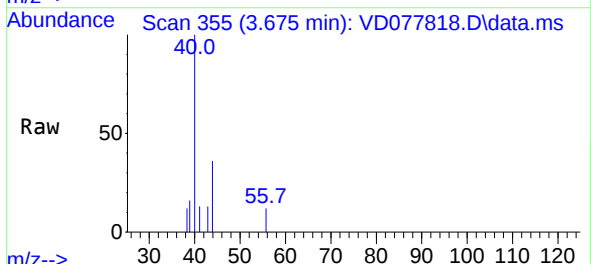


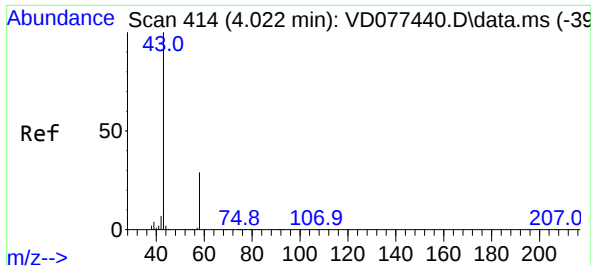
Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.121 ug/l
RT: 3.675 min Scan# 355
Delta R.T. -0.124 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

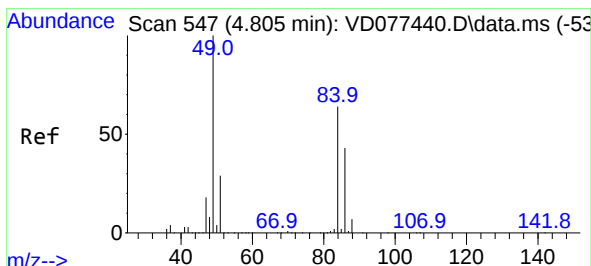
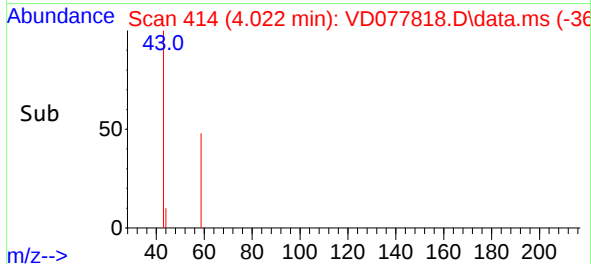
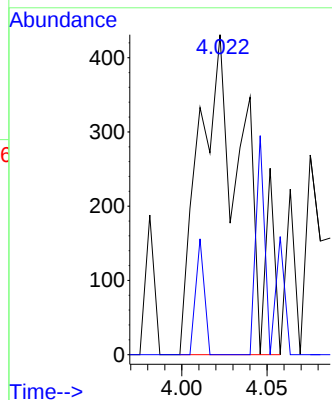
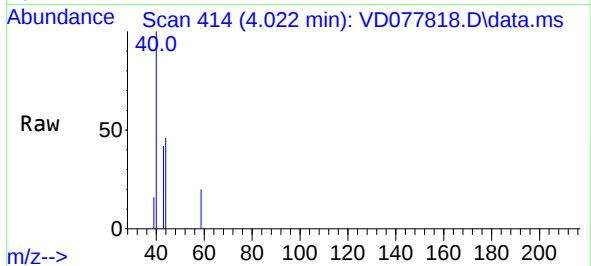




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

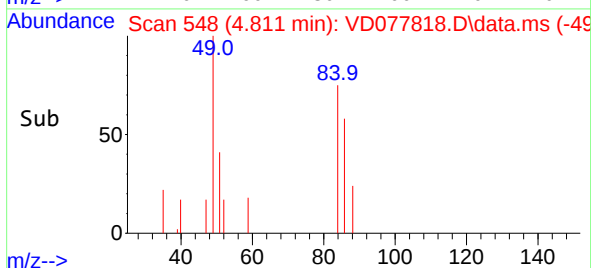
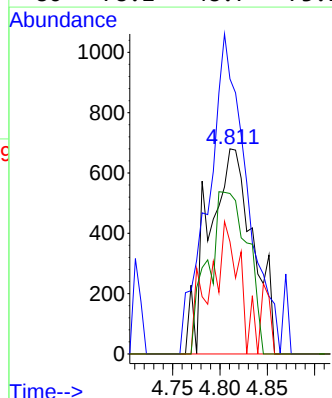
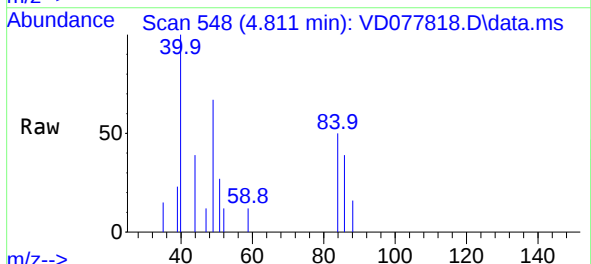
Instrument :
MSVOA_D
ClientSampleId :

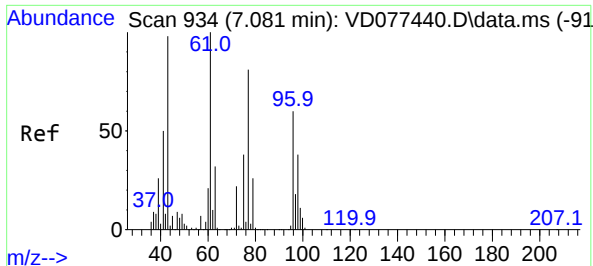
Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 48.0 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Tgt Ion: 84 Resp: 2208
Ion Ratio Lower Upper
84 100
49 134.1 71.4 107.2#
51 54.7 24.5 36.7#
86 78.2 48.7 73.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.116 min Scan# 94

Delta R.T. 0.035 min

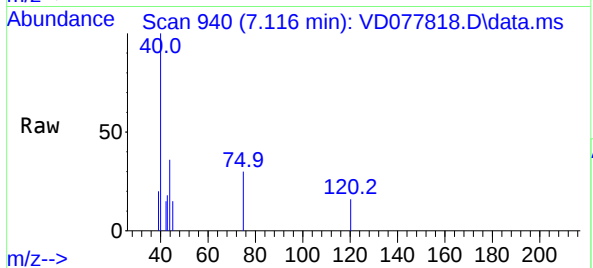
Lab File: VD077818.D

Acq: 11 Dec 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

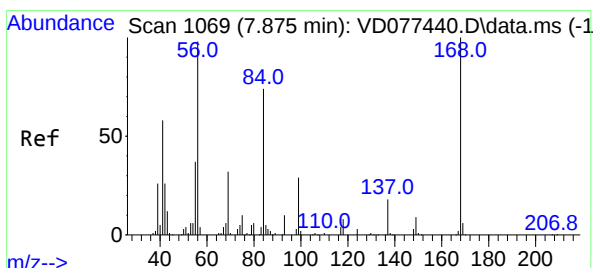
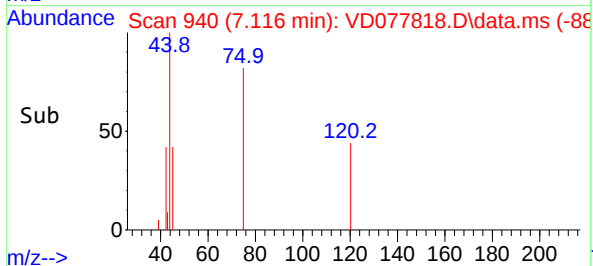
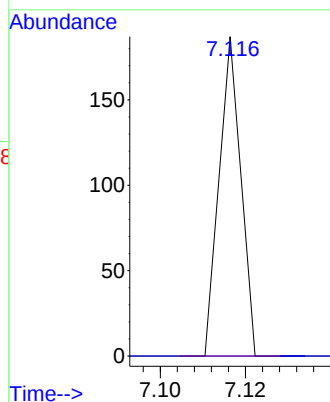


Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.478 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077818.D

Acq: 11 Dec 2023 18:22

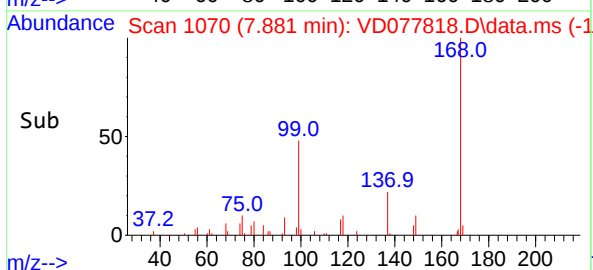
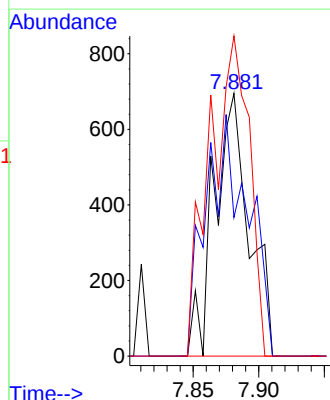
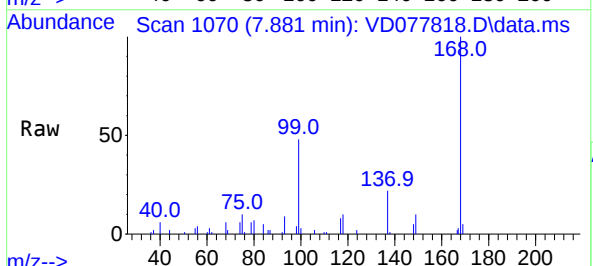
Tgt Ion: 56 Resp: 1286

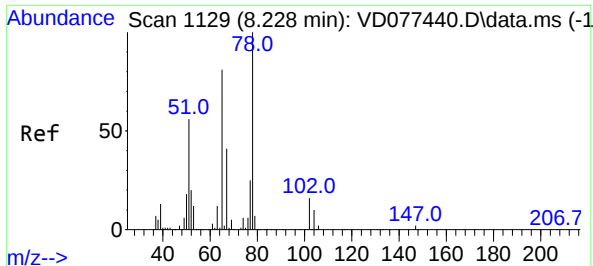
Ion Ratio Lower Upper

56 100

69 52.8 28.6 43.0#

84 121.9 84.8 127.2

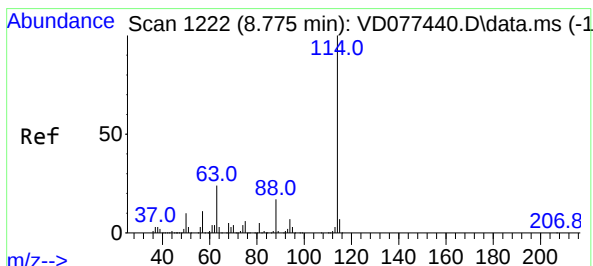
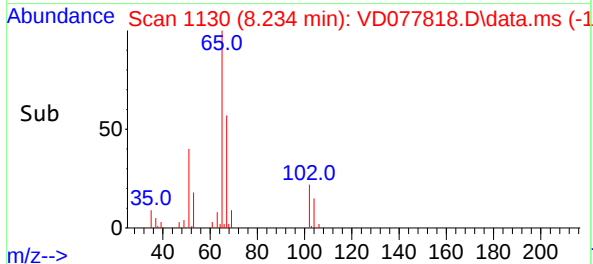
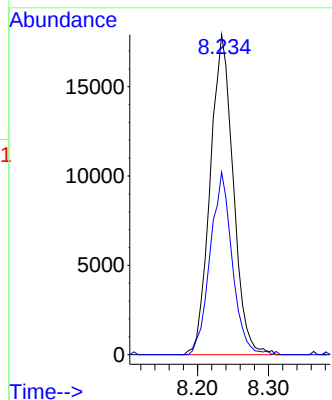
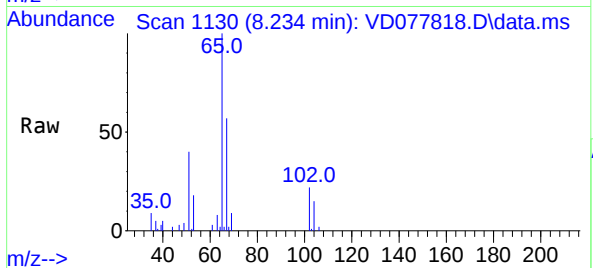




#33
 1,2-Dichloroethane-d4
 Concen: 82.404 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD077818.D
 Acq: 11 Dec 2023 18:22

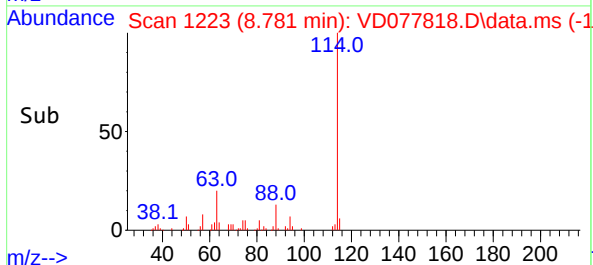
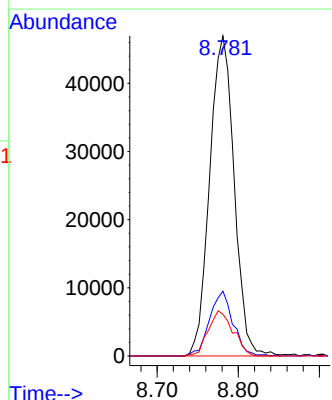
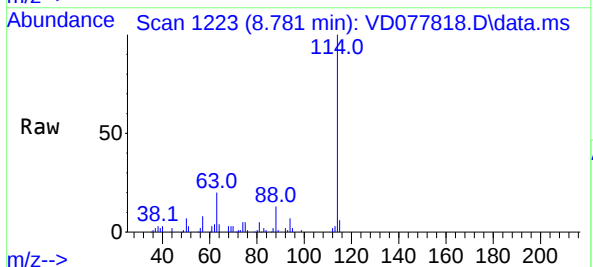
Instrument :
 MSVOA_D
 ClientSampleId :

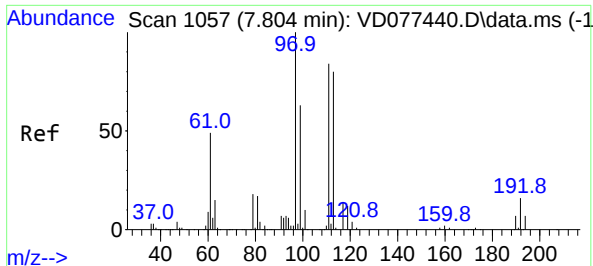
Tgt Ion: 65 Resp: 40302
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD077818.D
 Acq: 11 Dec 2023 18:22

Tgt Ion: 114 Resp: 98402
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 33.4
 88 13.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 57.388 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VD077818.D

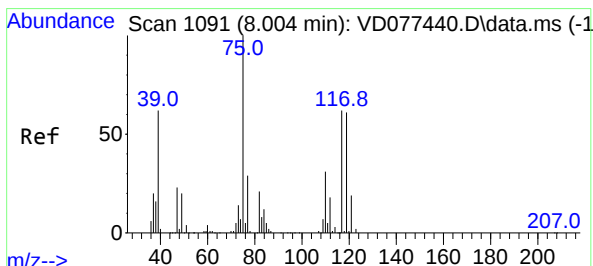
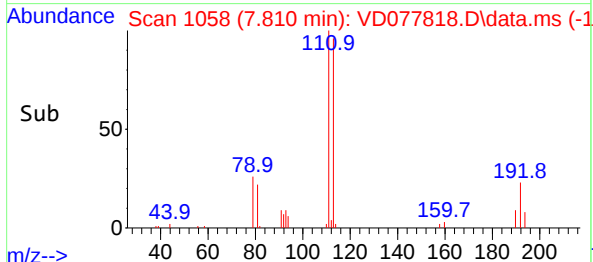
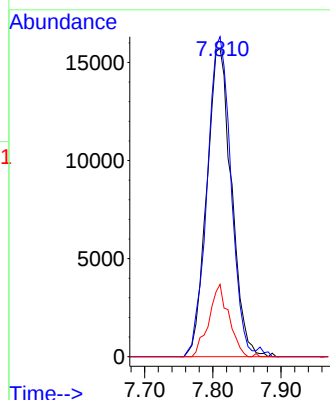
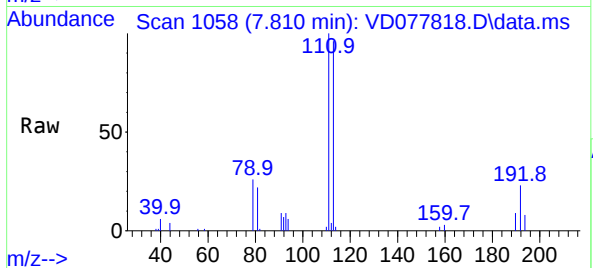
Acq: 11 Dec 2023 18:22

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	39556
Ion	Ratio	Lower	Upper
113	100		
111	100.3	84.7	127.1
192	19.0	16.8	25.2



#36

1,1-Dichloropropene

Concen: 3.308 ug/l

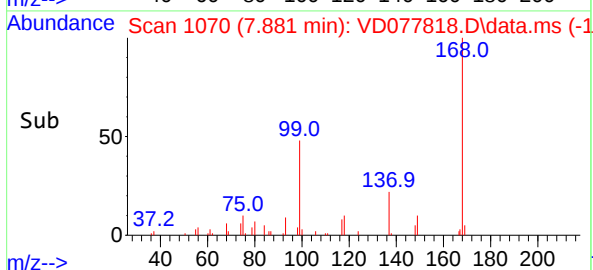
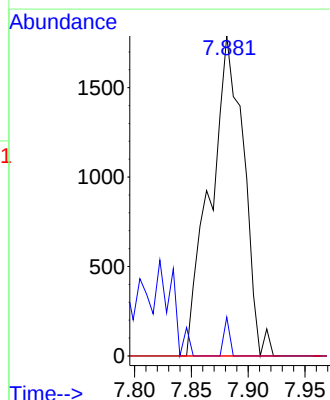
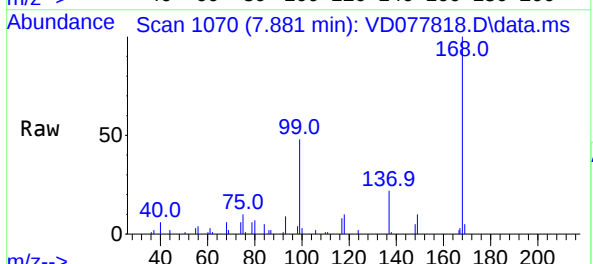
RT: 7.881 min Scan# 1070

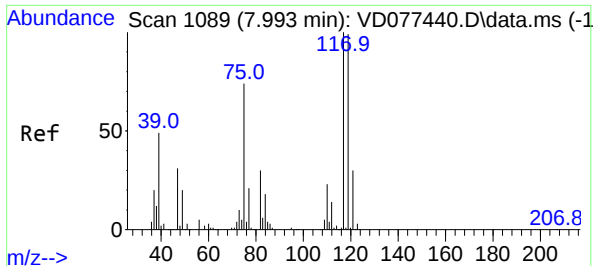
Delta R.T. -0.123 min

Lab File: VD077818.D

Acq: 11 Dec 2023 18:22

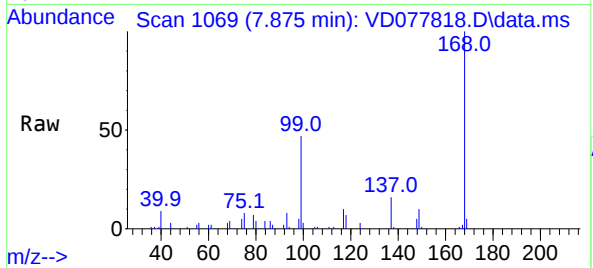
Tgt Ion:	75	Resp:	3647
Ion	Ratio	Lower	Upper
75	100		
110	2.1	19.9	59.6#
77	0.0	24.7	37.1#



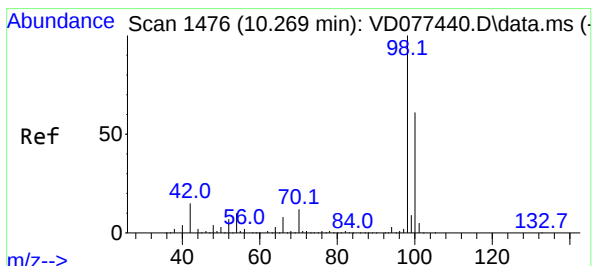
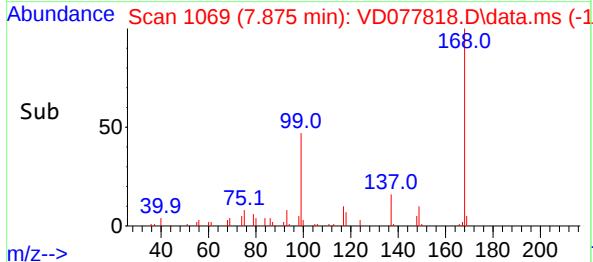
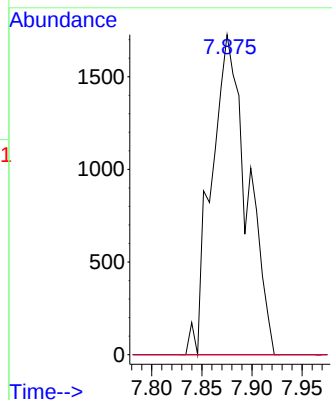


#38
Carbon Tetrachloride
Concen: 3.895 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Instrument :
MSVOA_D
ClientSampleId :

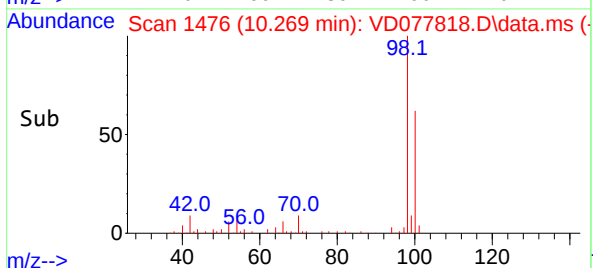
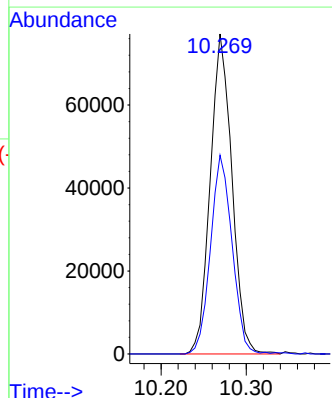
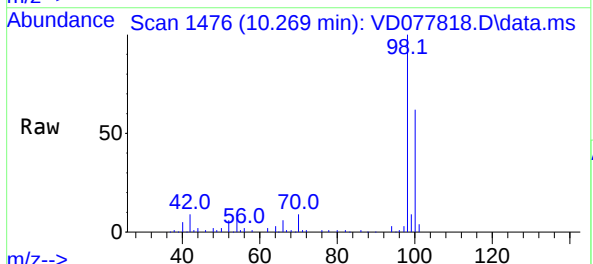


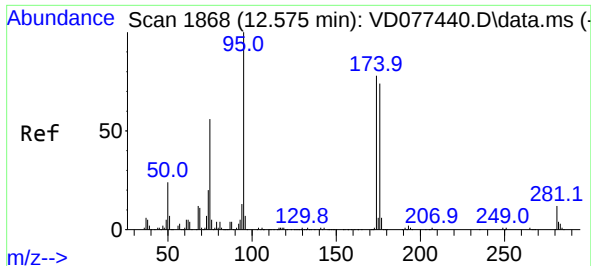
Tgt Ion:117 Resp: 4281
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.404 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Tgt Ion: 98 Resp: 136386
Ion Ratio Lower Upper
98 100
100 61.9 50.3 75.5

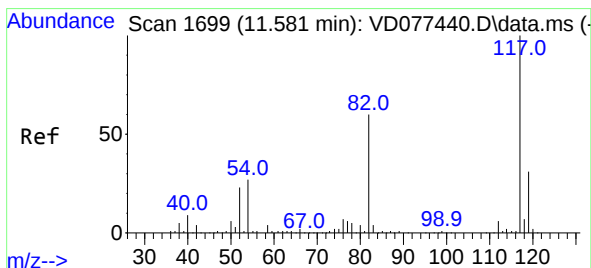
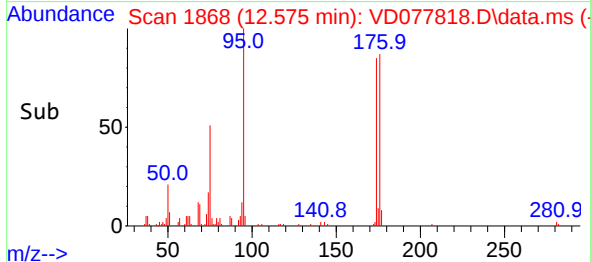
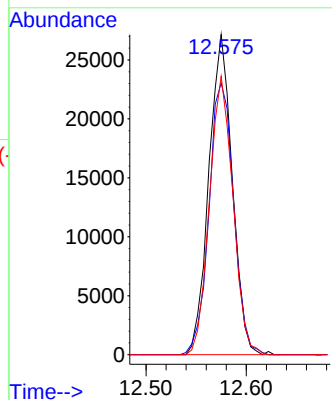
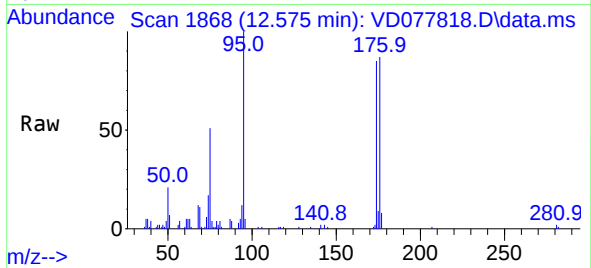




#62
4-Bromofluorobenzene
Concen: 53.299 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

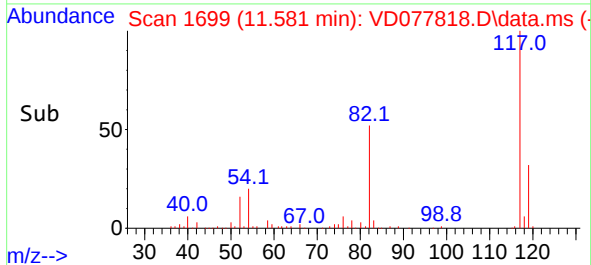
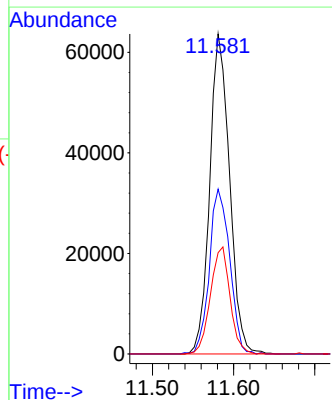
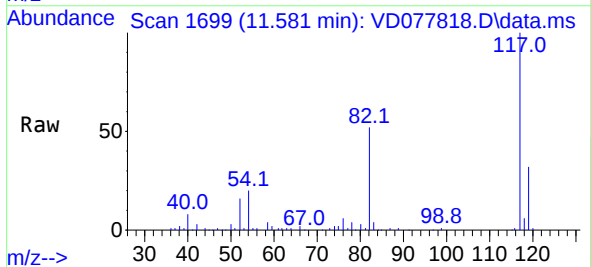
Instrument :
MSVOA_D
ClientSampleId :

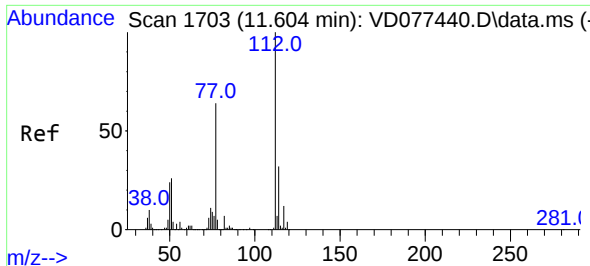
Tgt Ion: 95 Resp: 43991
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 87.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Tgt Ion: 117 Resp: 108125
Ion Ratio Lower Upper
117 100
82 51.5 38.3 57.5
119 31.7 25.0 37.4

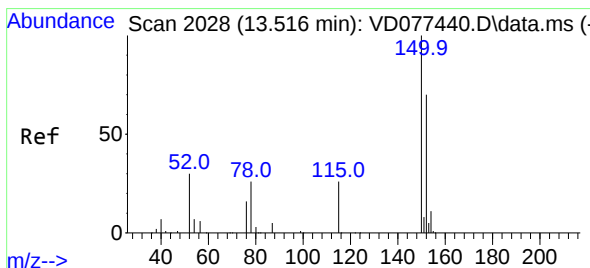
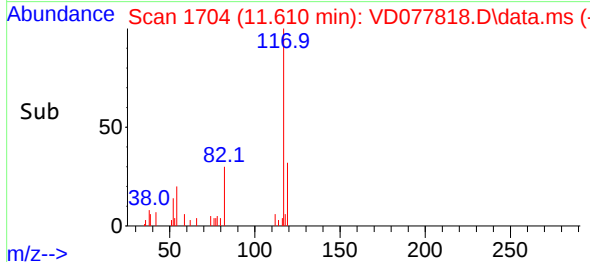
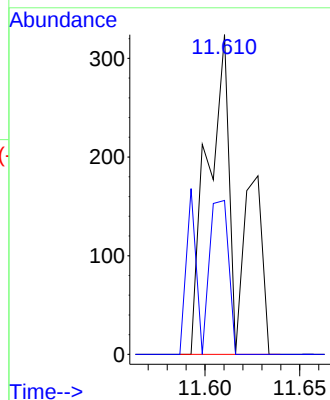
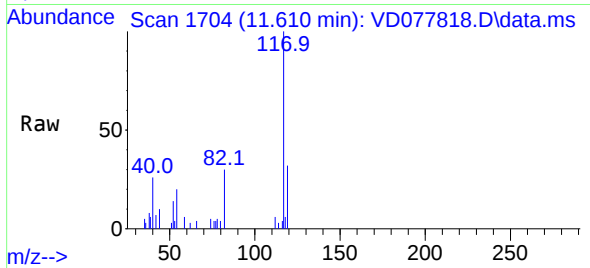




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

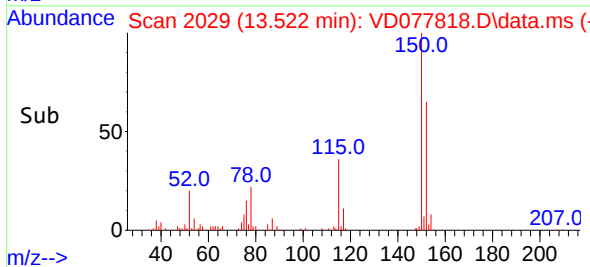
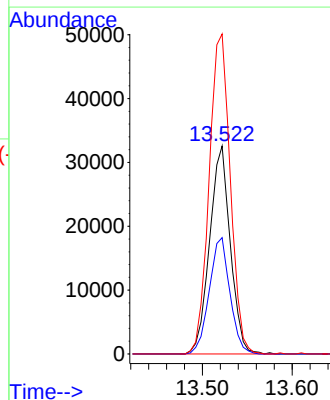
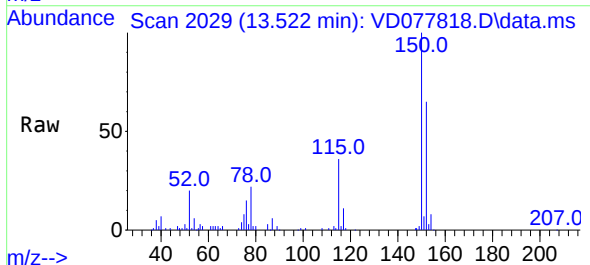
Instrument :
MSVOA_D
ClientSampleId :

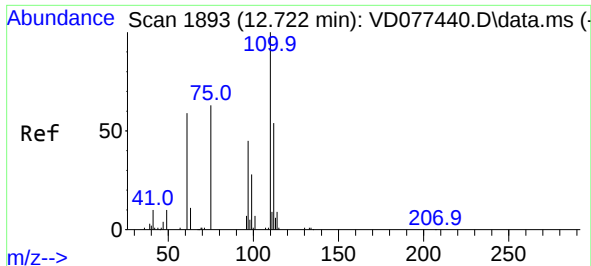
Tgt Ion:112 Resp: 374
Ion Ratio Lower Upper
112 100
114 48.1 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

Tgt Ion:152 Resp: 52182
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 157.1 0.0 353.6

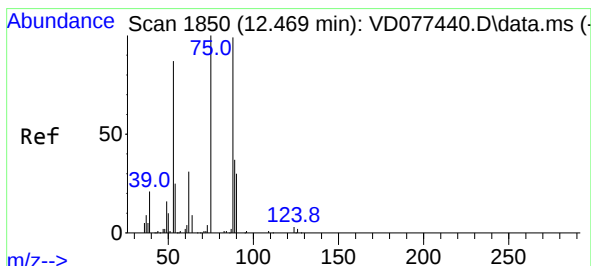
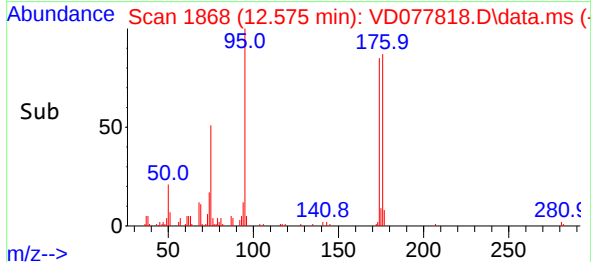
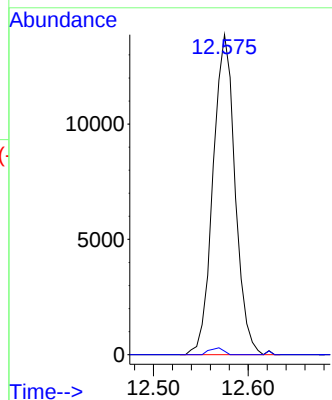
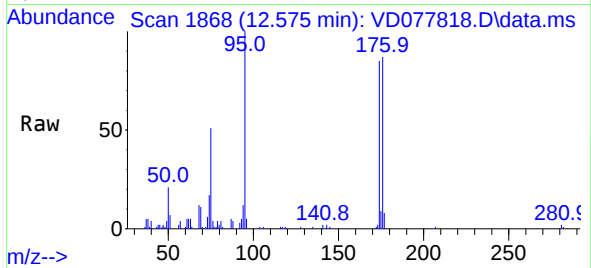




#76
1,2,3-Trichloropropane
Concen: 49.622 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

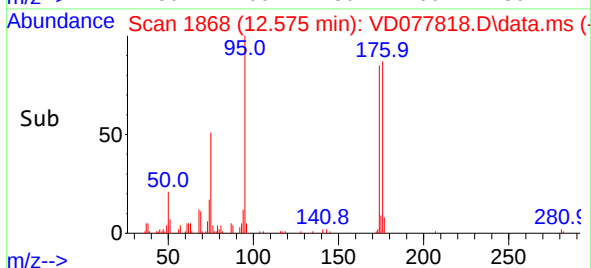
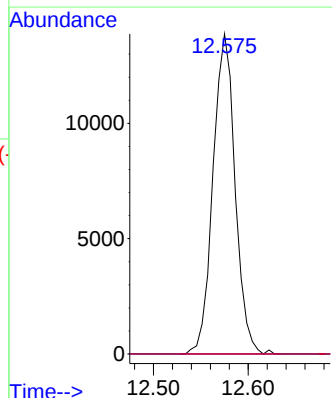
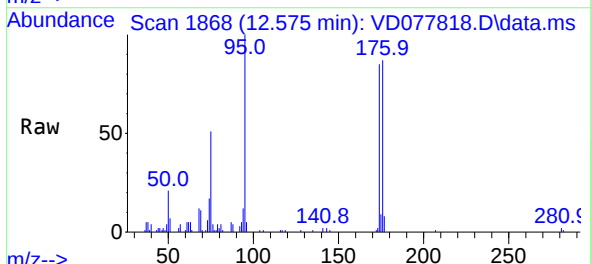
Instrument :
MSVOA_D
ClientSampleId :

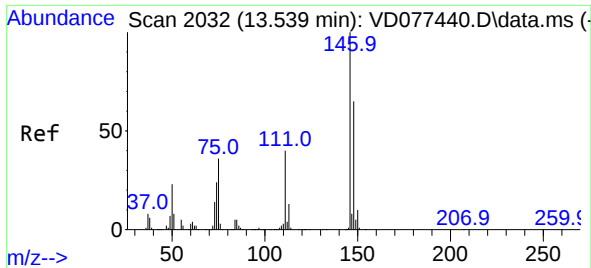
Tgt Ion: 75 Resp: 22489
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.538 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

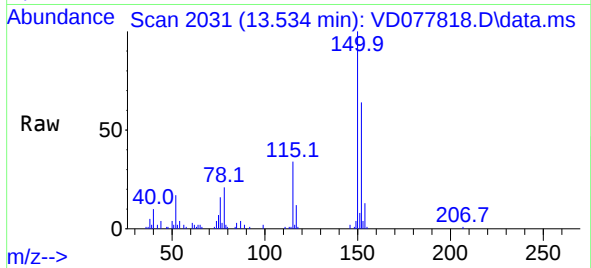
Tgt Ion: 75 Resp: 22489
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.534 min Scan# 2031
 Delta R.T. -0.005 min
 Lab File: VD077818.D
 Acq: 11 Dec 2023 18:22

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	249
Ion	Ratio	Lower	Upper
146	100		
111	334.1	17.4	52.3#
148	171.5	31.7	95.1#

