

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 :
 TP-35RE

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)

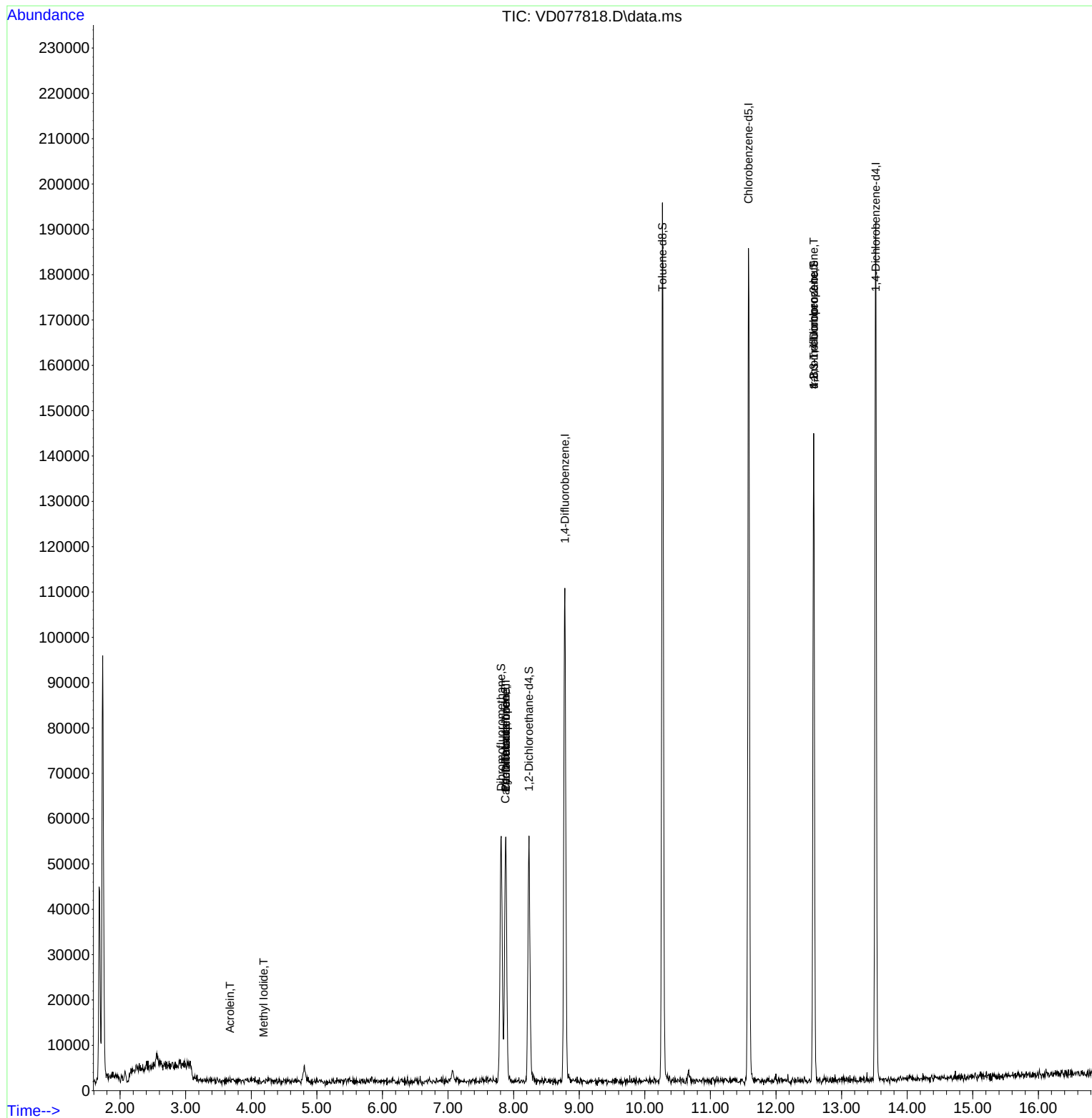
Internal Standards						
1) Pentafluorobenzene	7.881	168	41505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	98402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	108125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	52182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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

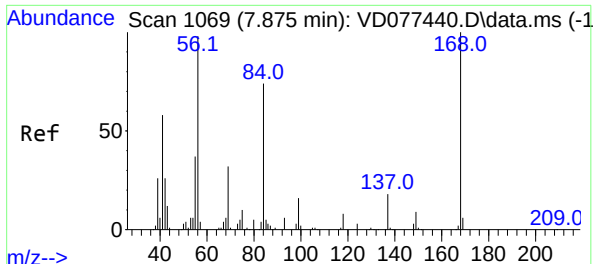
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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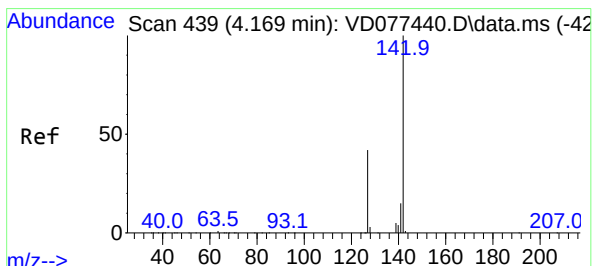
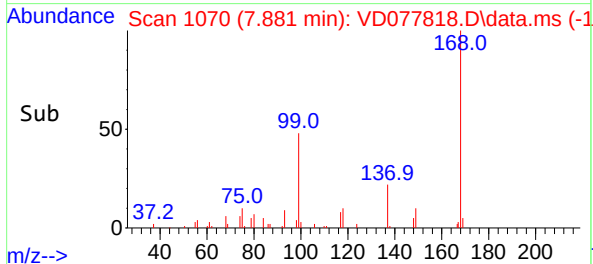
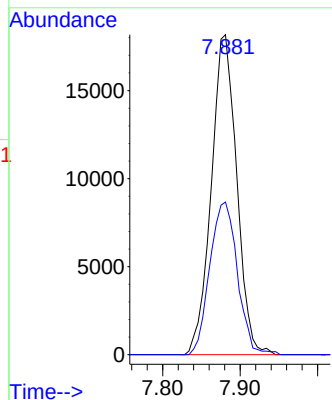
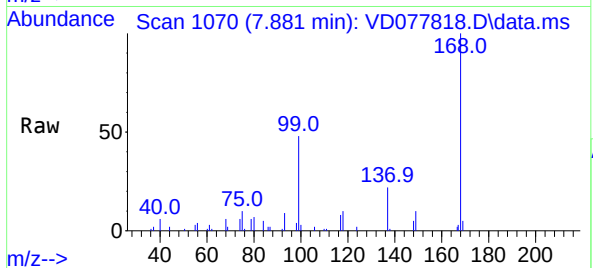




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

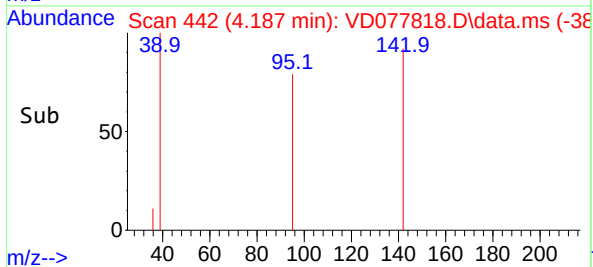
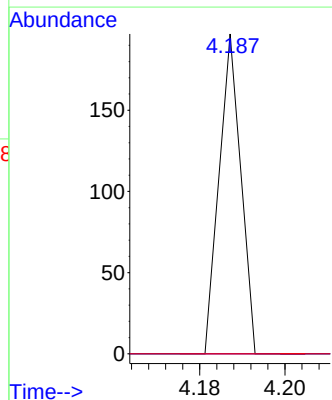
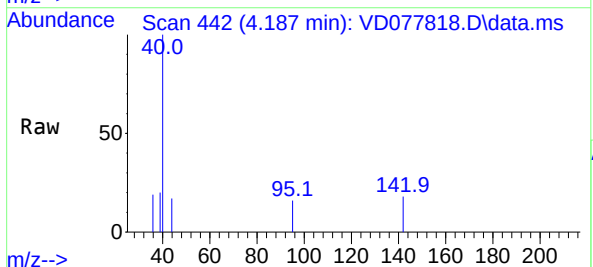
Instrument :
MSVOA_D
ClientSampleId :
TP-35RE

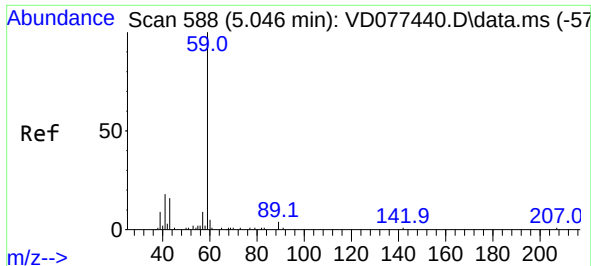
Tgt Ion:168 Resp: 41505
Ion Ratio Lower Upper
168 100
99 47.7 36.7 55.1



#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 :

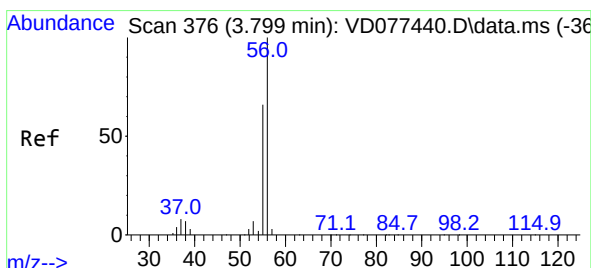
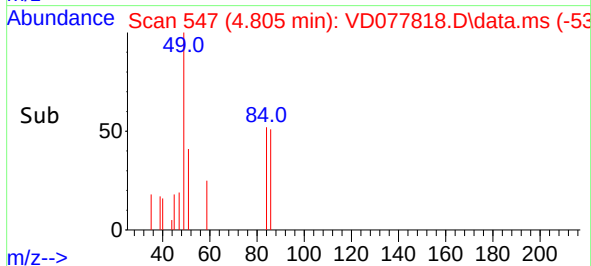
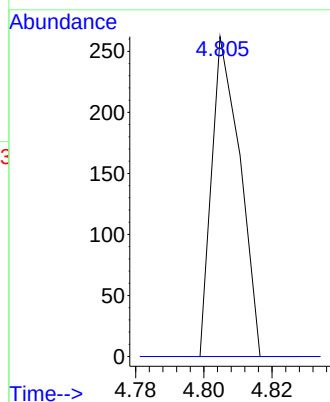
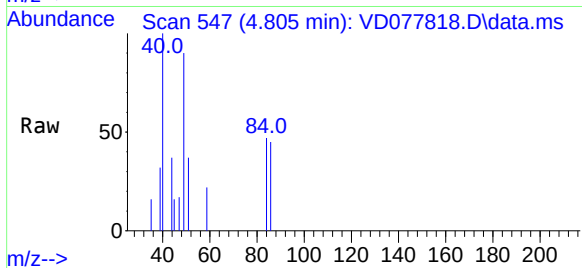
TP-35RE

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

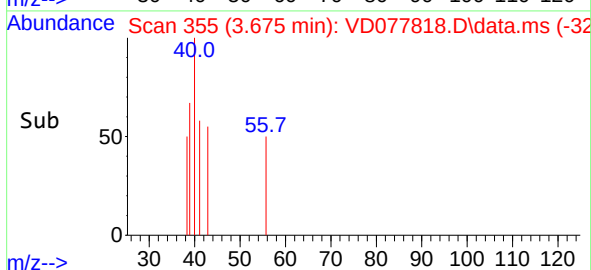
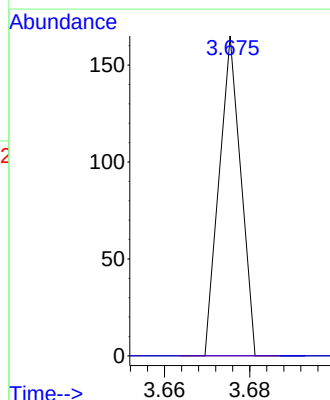
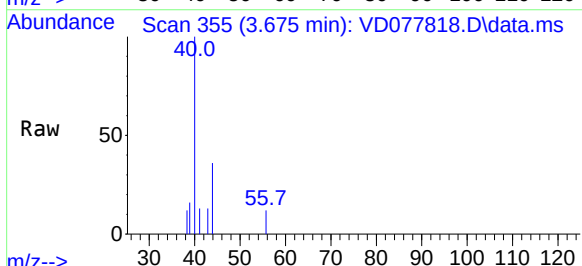
Acq: 11 Dec 2023 18:22

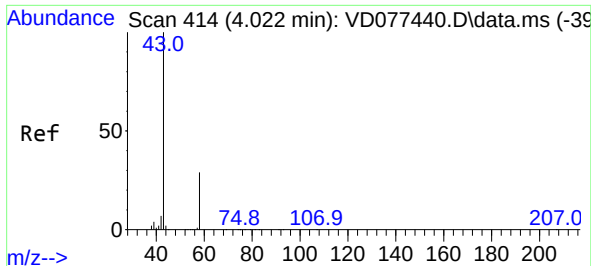
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 55.1 82.7#

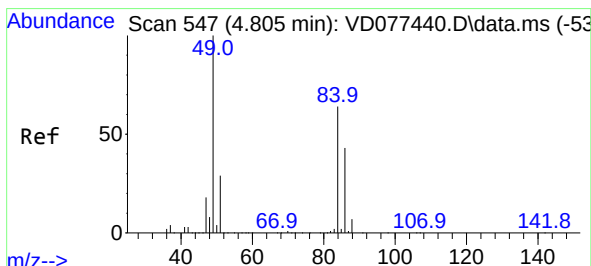
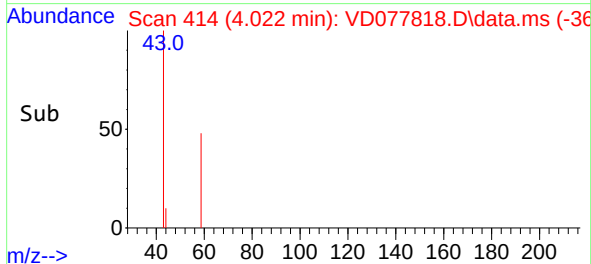
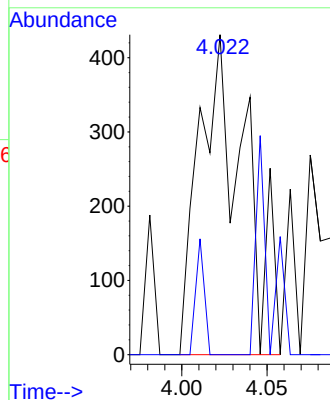
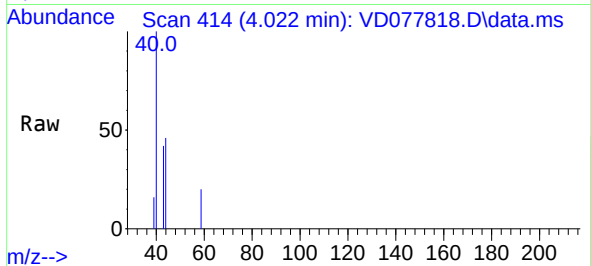




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

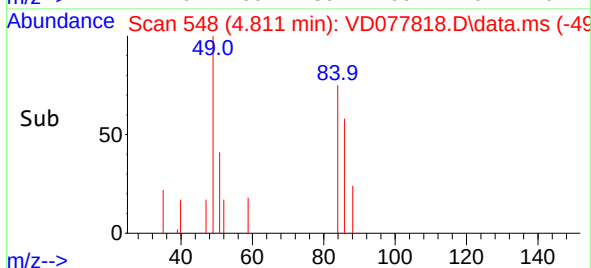
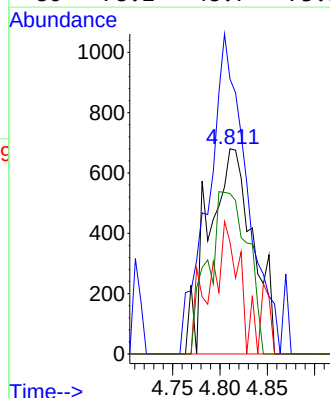
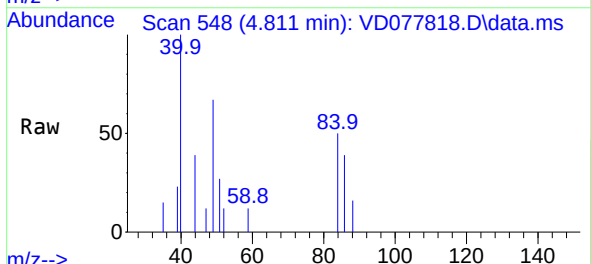
Instrument :
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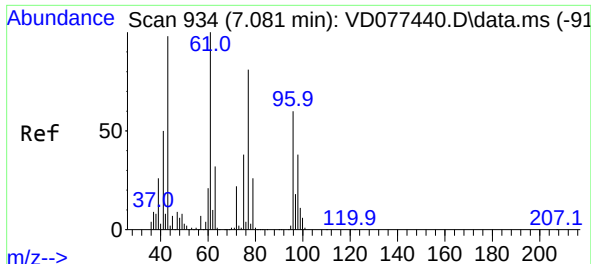
Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 48.0 34.7 52.1



#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#

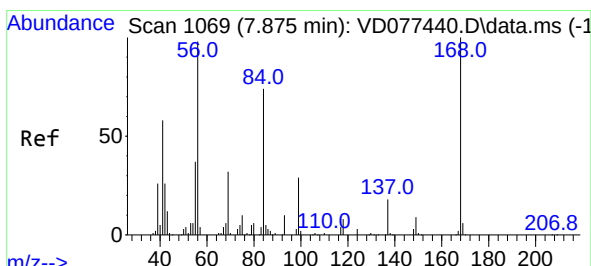
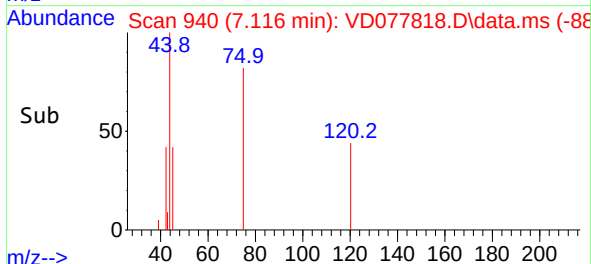
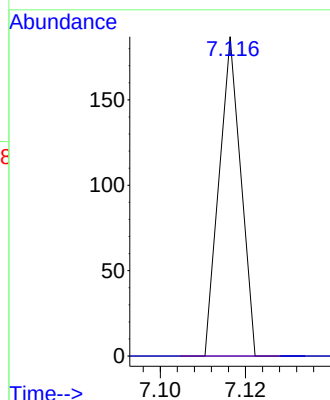
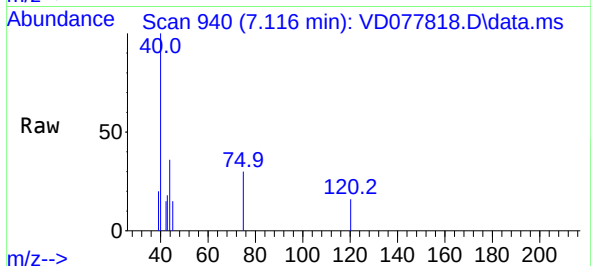




#25
2-Butanone
Concen: Below Cal
RT: 7.116 min Scan# 94
Delta R.T. 0.035 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

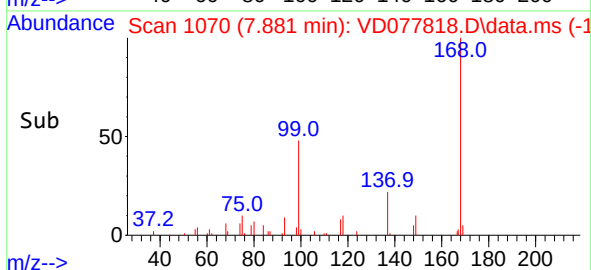
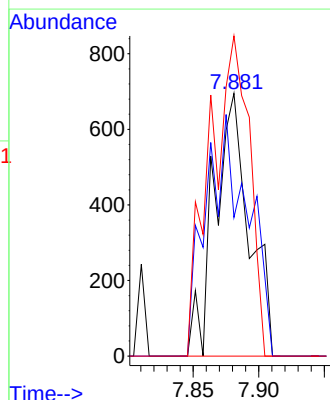
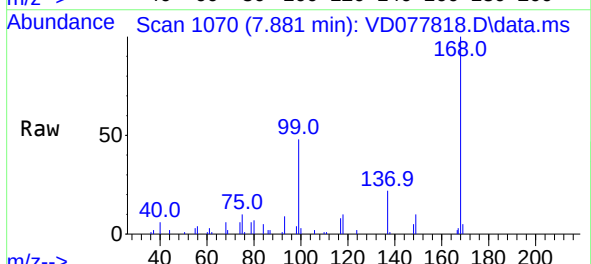
Instrument :
MSVOA_D
ClientSampleId :
TP-35RE

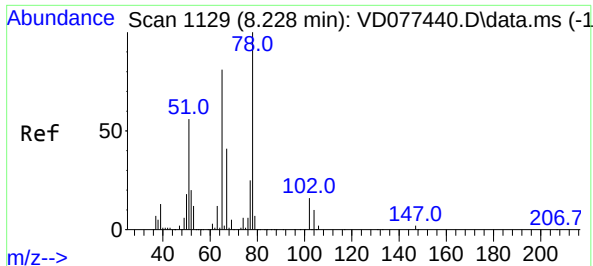
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#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

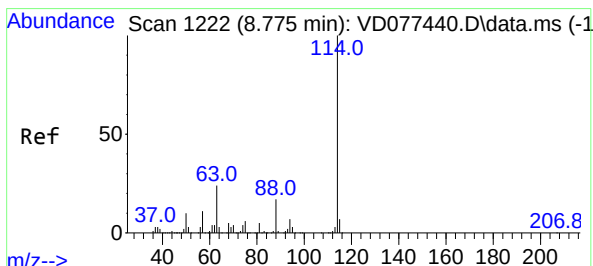
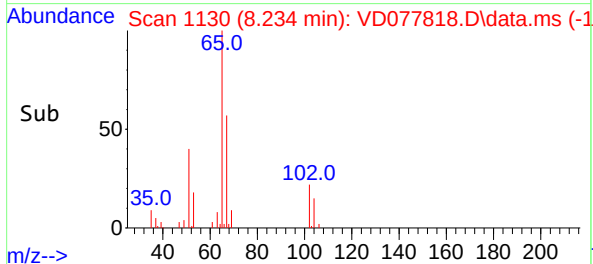
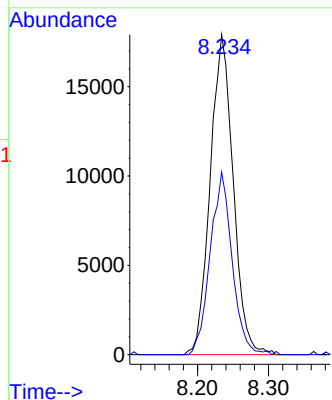
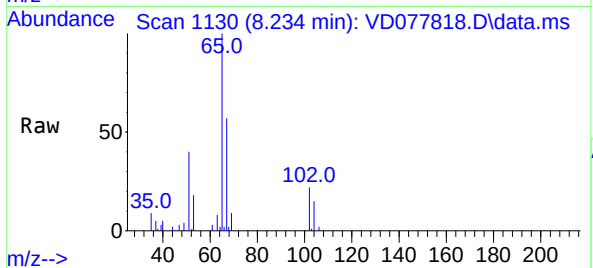




#33
1,2-Dichloroethane-d4
Concen: 82.404 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

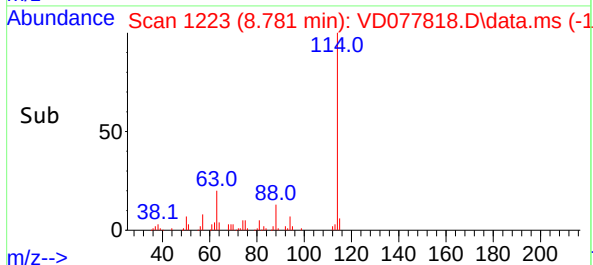
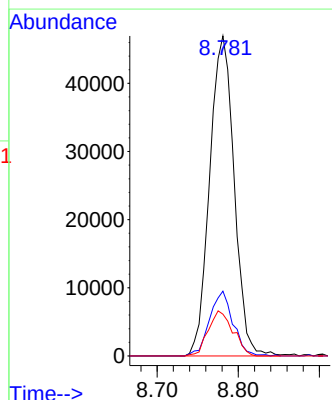
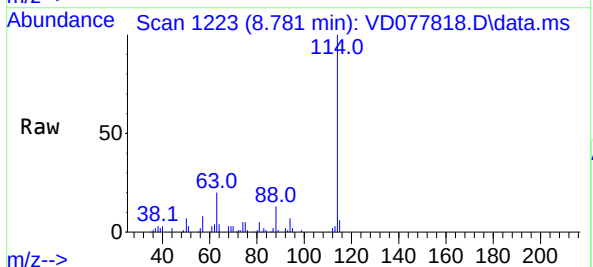
Instrument :
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ClientSampleId :
TP-35RE

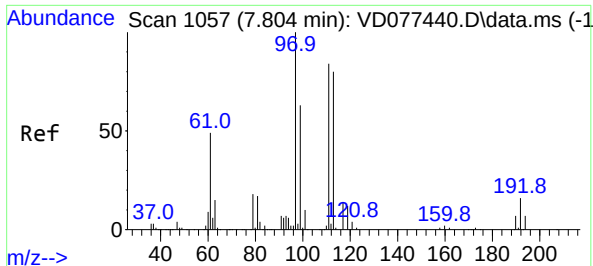
Tgt Ion: 65 Resp: 40302
Ion Ratio Lower Upper
65 100
67 54.6 0.0 115.0



#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

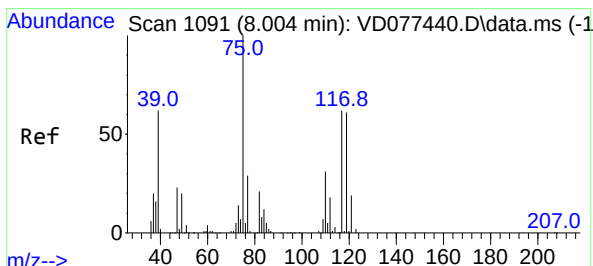
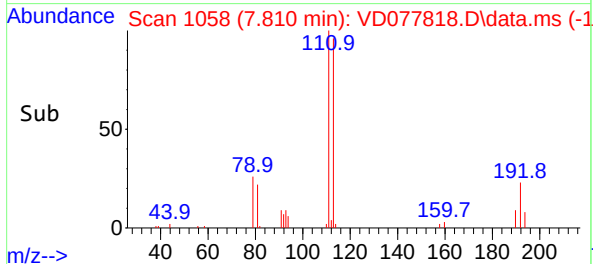
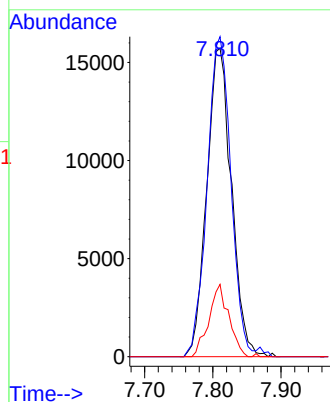
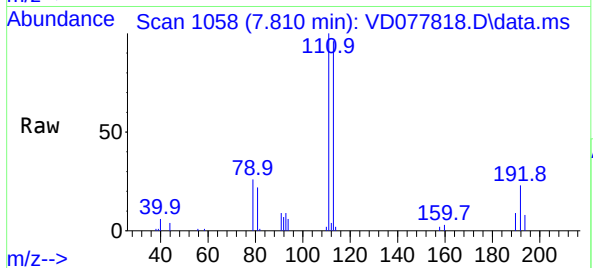




#35
Dibromofluoromethane
Concen: 57.388 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

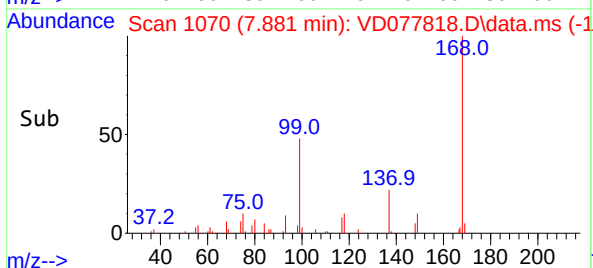
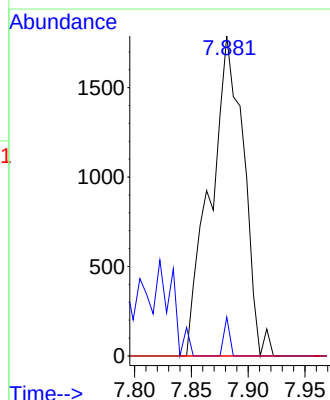
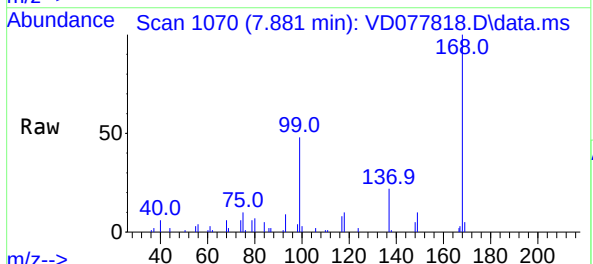
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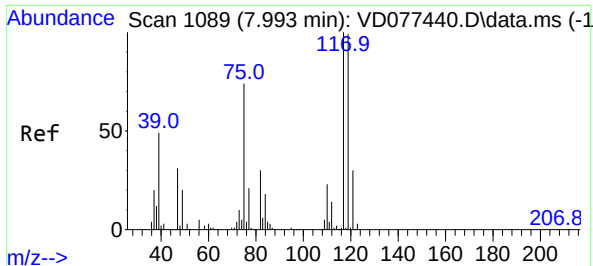
Tgt Ion:113 Resp: 39556
Ion Ratio Lower Upper
113 100
111 100.3 84.7 127.1
192 19.0 16.8 25.2



#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#

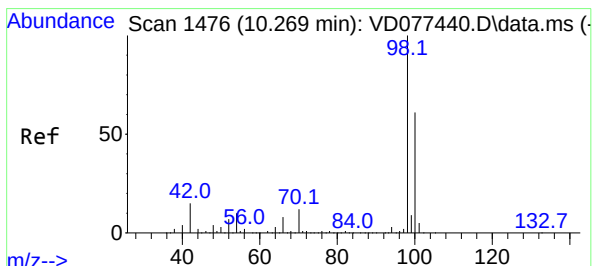
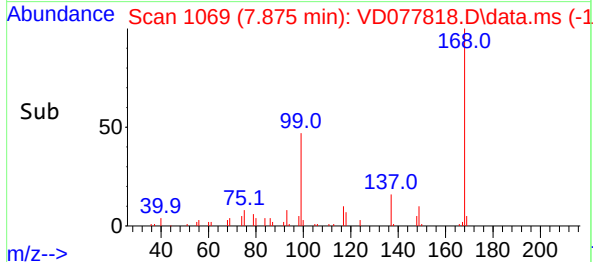
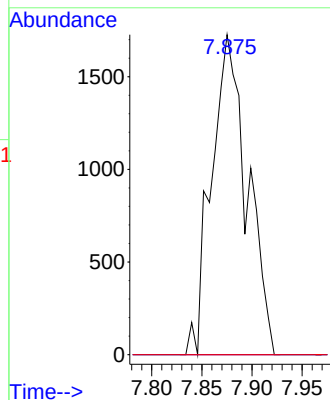
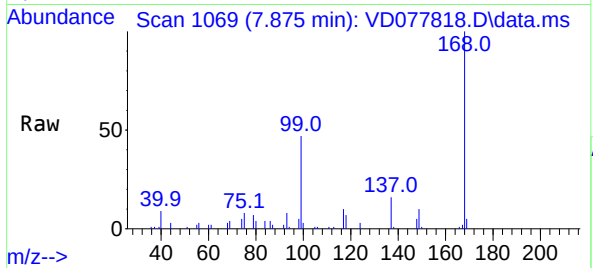




#38
Carbon Tetrachloride
Concen: 3.895 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

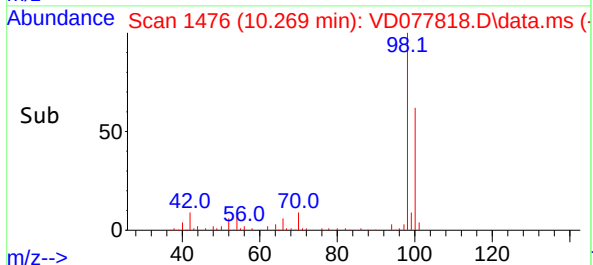
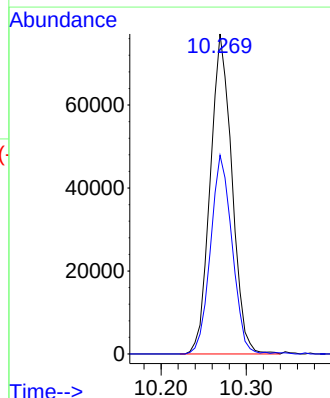
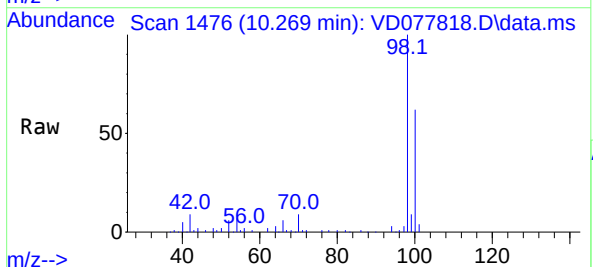
Instrument :
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TP-35RE

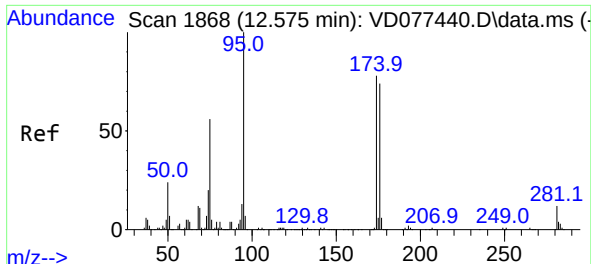
Tgt Ion:117 Resp: 4281
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#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

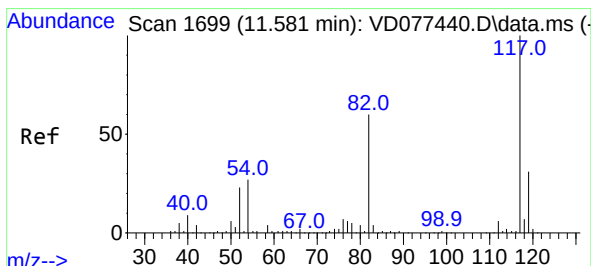
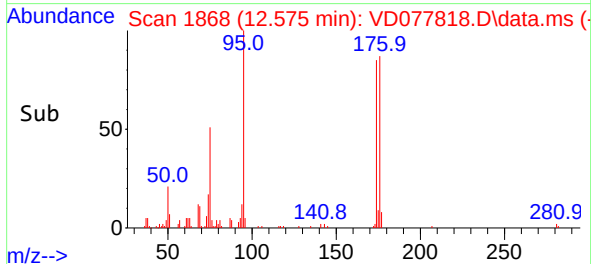
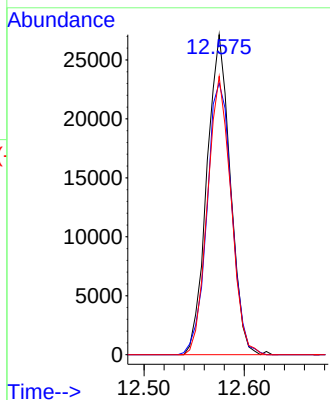
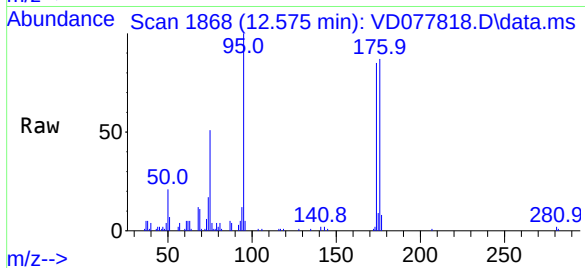




#62
4-Bromofluorobenzene
Concen: 53.299 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

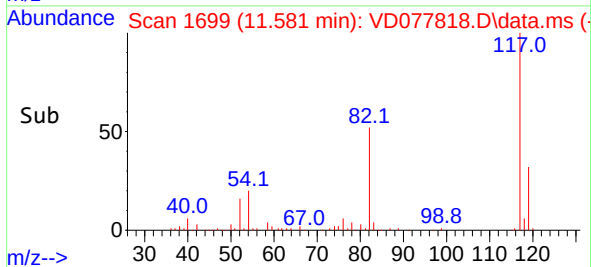
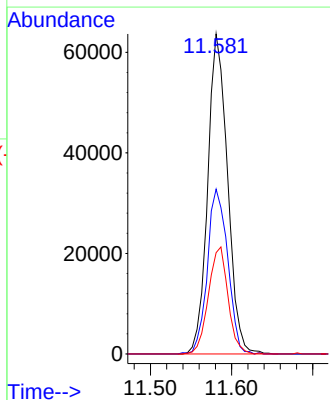
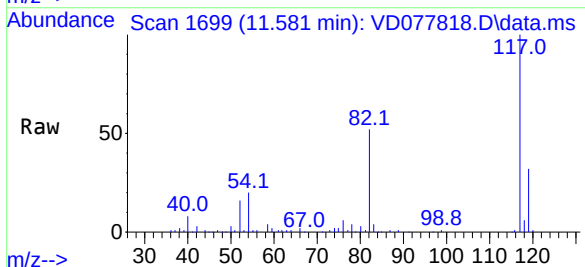
Instrument :
MSVOA_D
ClientSampleId :
TP-35RE

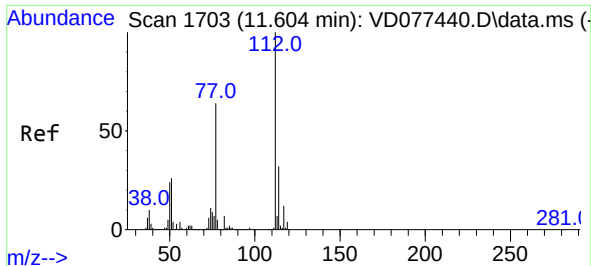
Tgt Ion:	95	Resp:	43991
Ion Ratio	Lower	Upper	
95	100		
174	89.4	0.0	201.8
176	87.1	0.0	191.8



#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

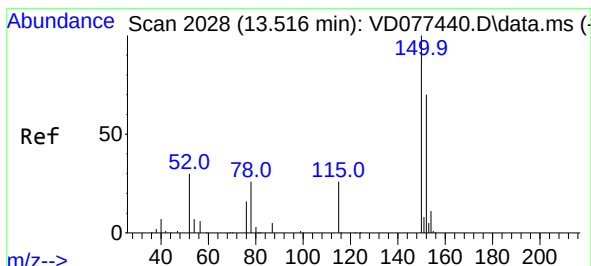
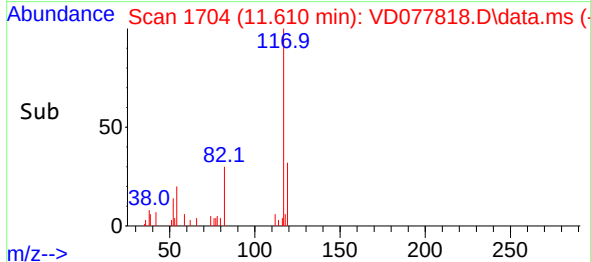
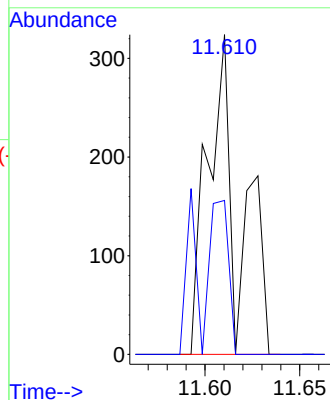
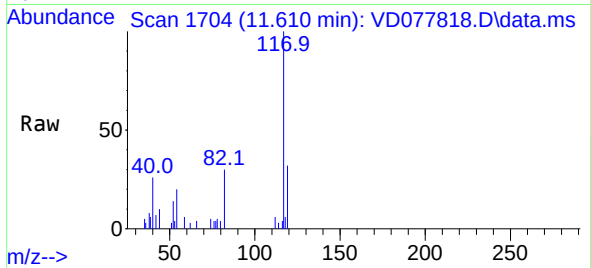




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

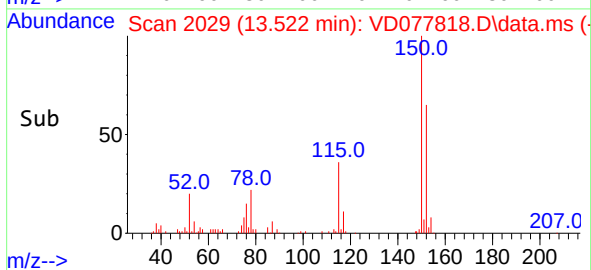
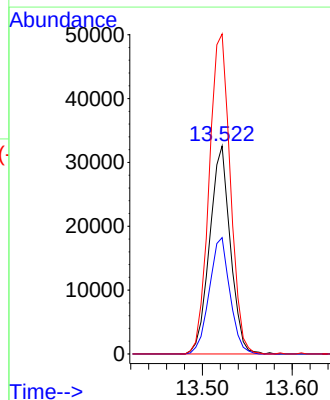
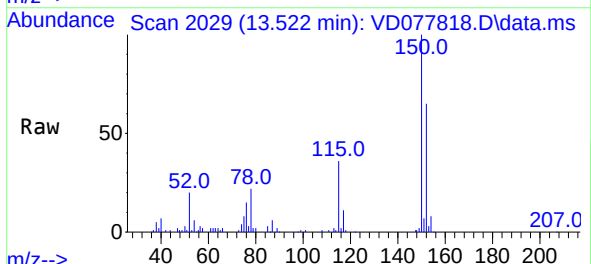
Instrument :
MSVOA_D
ClientSampleId :
TP-35RE

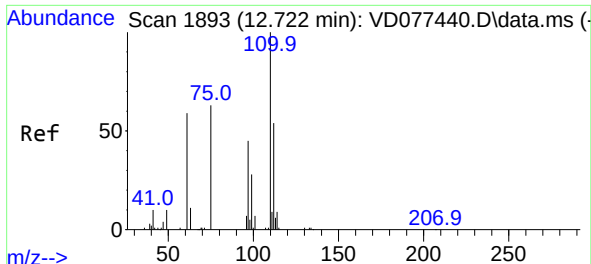
Tgt Ion:112 Resp: 374
Ion Ratio Lower Upper
112 100
114 48.1 25.1 37.7#



#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

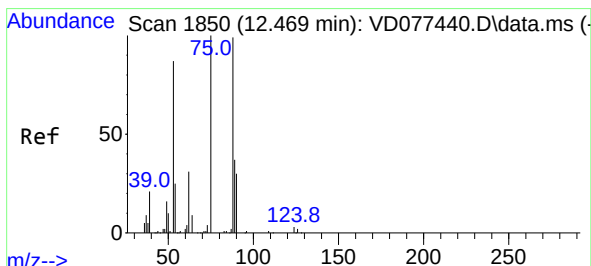
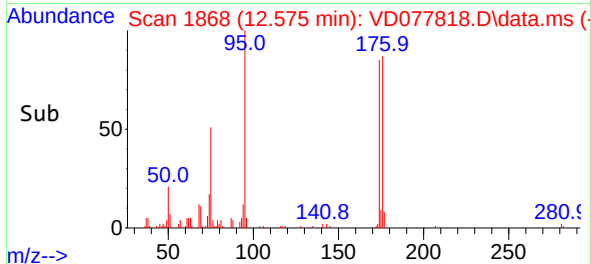
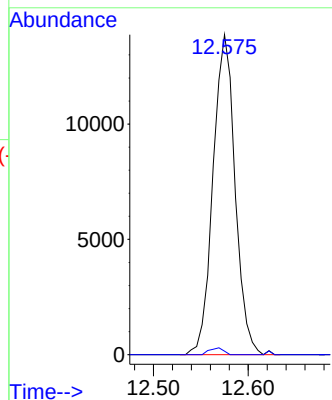
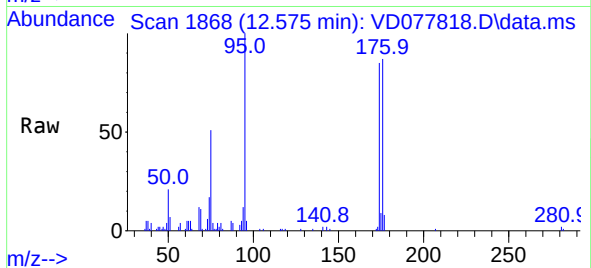




#76
1,2,3-Trichloropropane
Concen: 49.622 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077818.D
Acq: 11 Dec 2023 18:22

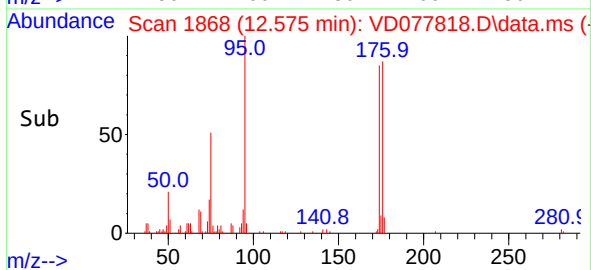
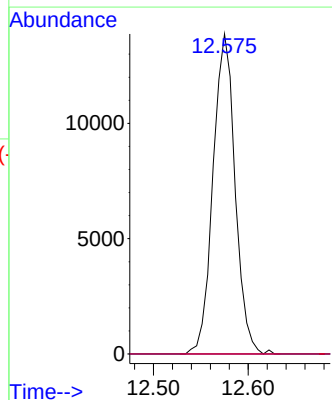
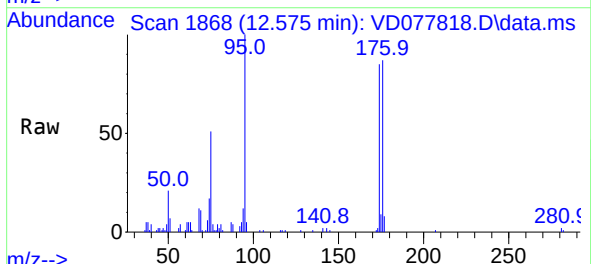
Instrument :
MSVOA_D
ClientSampleId :
TP-35RE

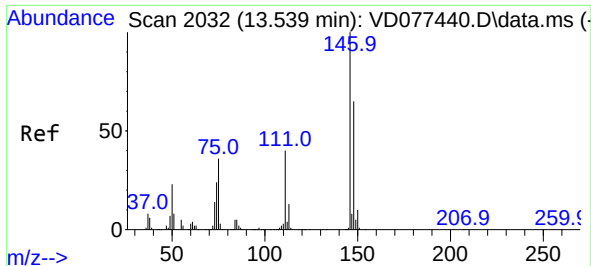
Tgt Ion: 75 Resp: 22489
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#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

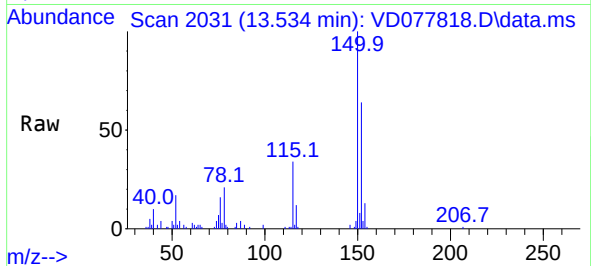
Tgt Ion: 75 Resp: 22489
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#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 :
 TP-35RE



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#

