

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077814.D
 Acq On : 11 Dec 2023 16:35
 Operator : JC/SY
 Sample : 05639-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E8965C-CC-001

Quant Time: Dec 11 17:05:26 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)

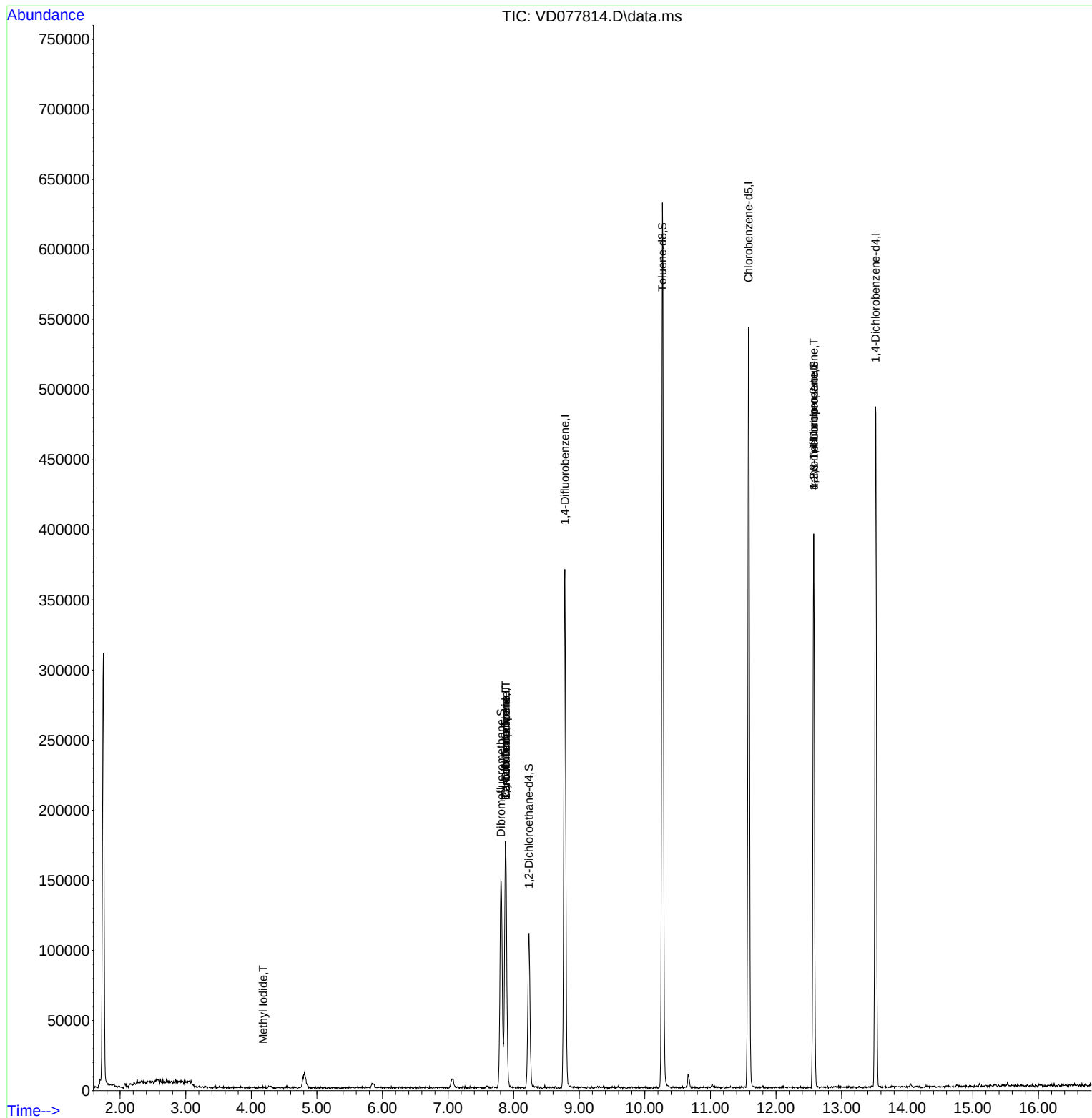
Internal Standards						
1) Pentafluorobenzene	7.881	168	140568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	331457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85348	51.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.060%	
35) Dibromofluoromethane	7.810	113	108342	46.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.320%	
50) Toluene-d8	10.269	98	445254	47.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.760%	
62) 4-Bromofluorobenzene	12.575	95	118336	42.565	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.181	142	250	6.886	ug/l #	46
11) Tert butyl alcohol	5.069	59	57	Below Cal	#	73
16) Acetone	4.034	43	341	Below Cal	#	32
20) Methylene Chloride	4.811	84	8380	Below Cal	#	89
25) 2-Butanone	7.081	43	195	Below Cal	#	37
31) Cyclohexane	7.875	56	3755	1.275	ug/l #	51
36) 1,1-Dichloropropene	7.881	75	10831	2.916	ug/l #	48
38) Carbon Tetrachloride	7.881	117	12852	3.471	ug/l #	16
65) Chlorobenzene	11.610	112	1097	Below Cal	#	85
76) 1,2,3-Trichloropropane	12.575	75	64084	54.324	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64084	110.065	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	991	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.410	75	55	Below Cal	#	1

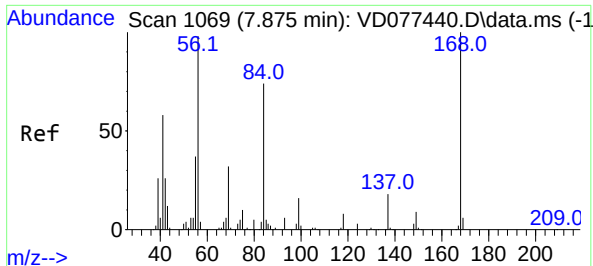
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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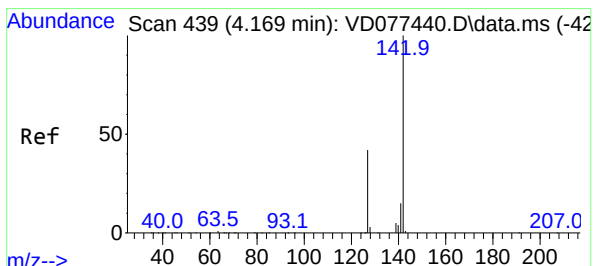
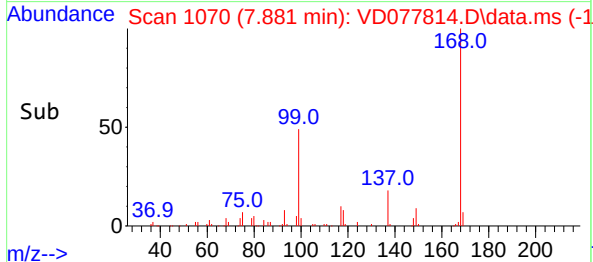
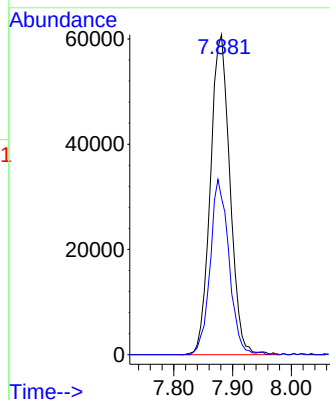
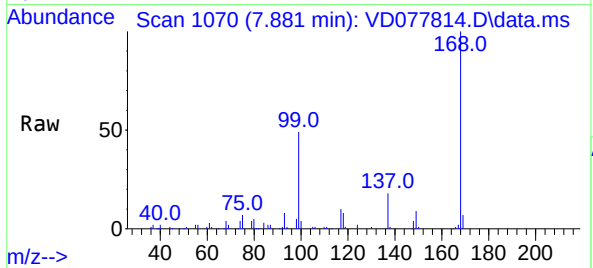




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

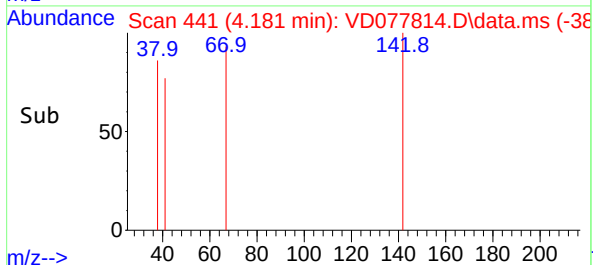
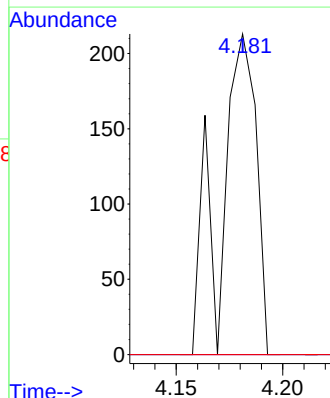
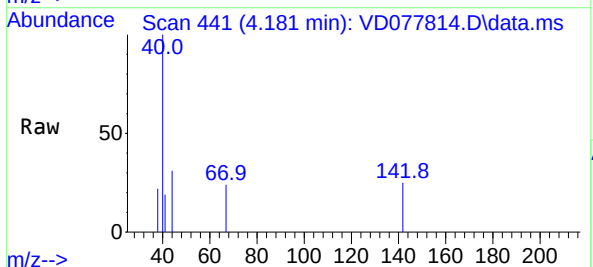
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

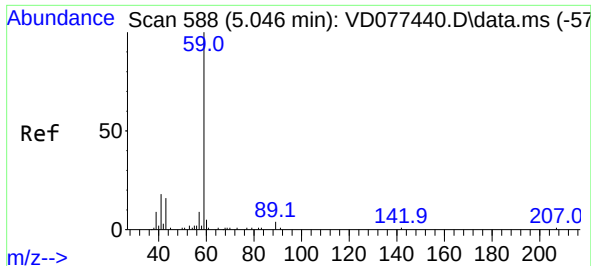
Tgt Ion:168 Resp: 140568
Ion Ratio Lower Upper
168 100
99 49.0 36.7 55.1



#10
Methyl Iodide
Concen: 6.886 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.012 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion:142 Resp: 250
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

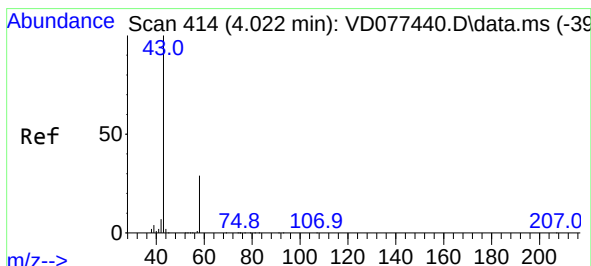
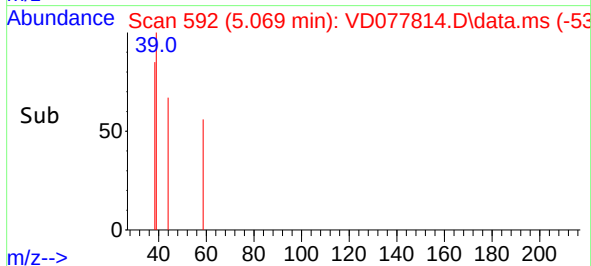
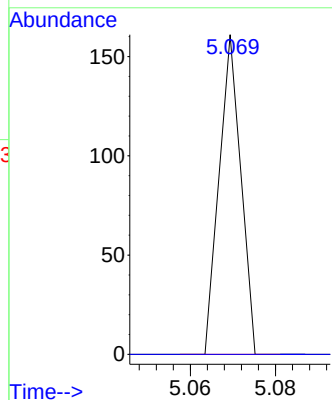
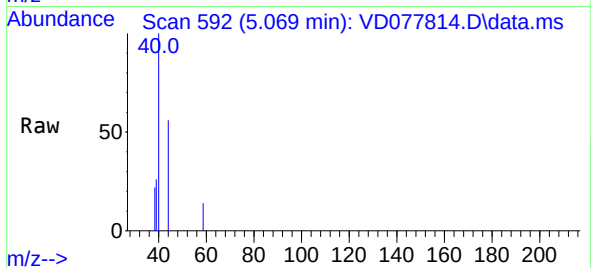




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.069 min Scan# 51
Delta R.T. 0.023 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

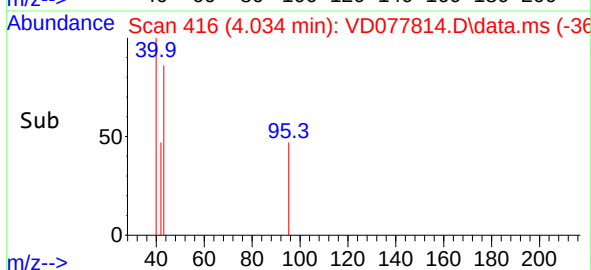
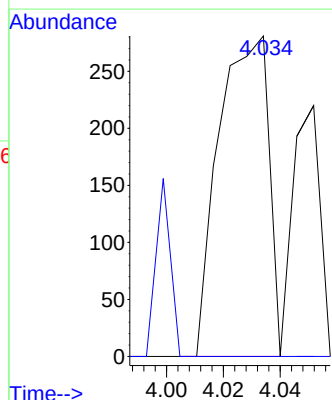
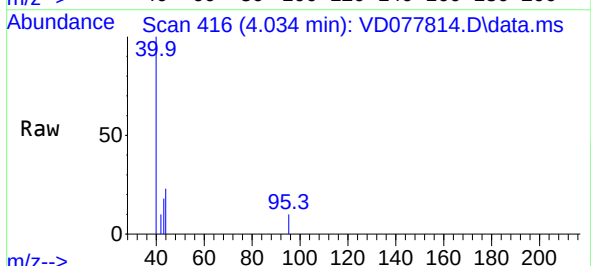
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

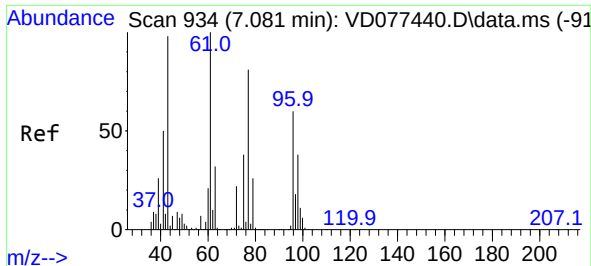
Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

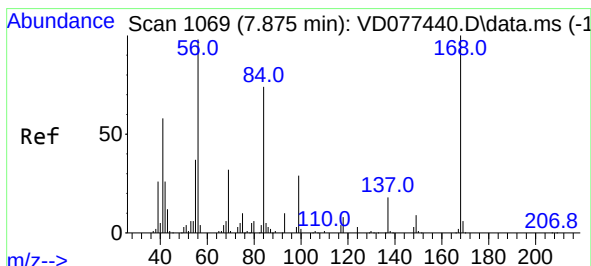
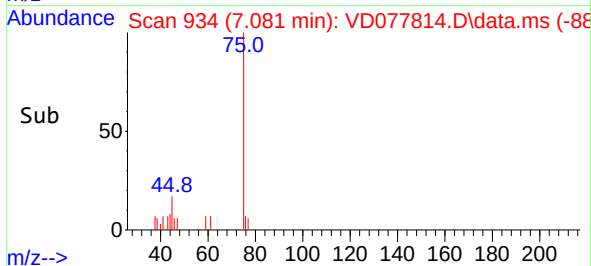
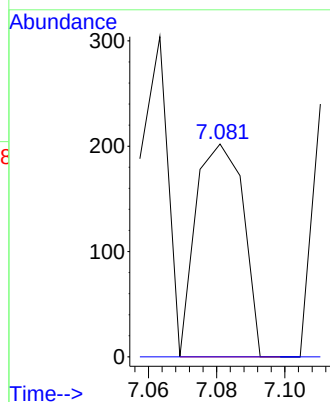
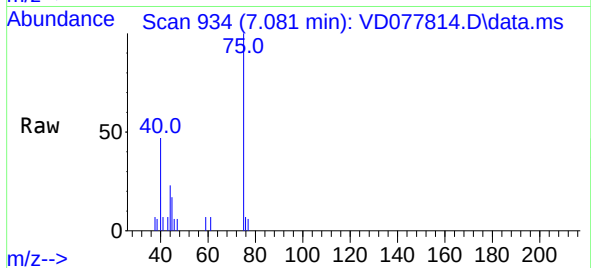




#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

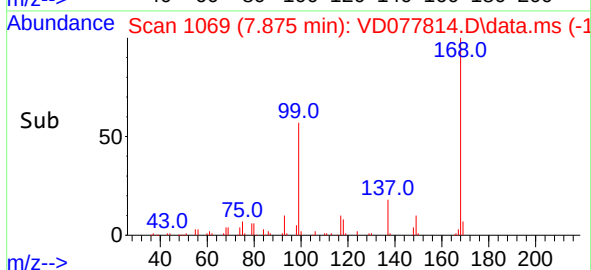
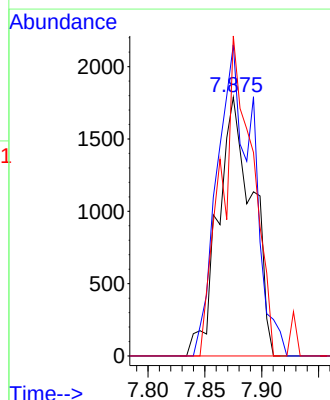
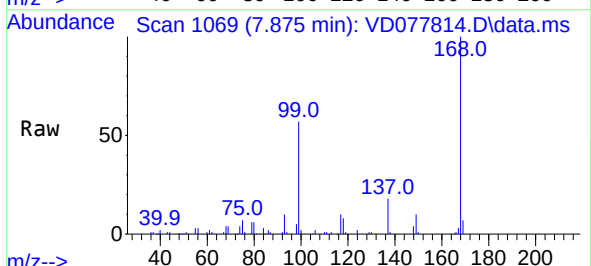
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ClientSampleId :
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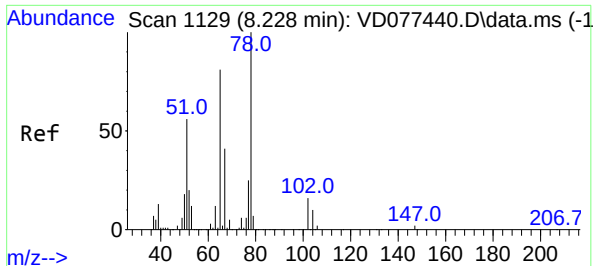
Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 56 Resp: 3755
Ion Ratio Lower Upper
56 100
69 120.2 28.6 43.0#
84 123.6 84.8 127.2

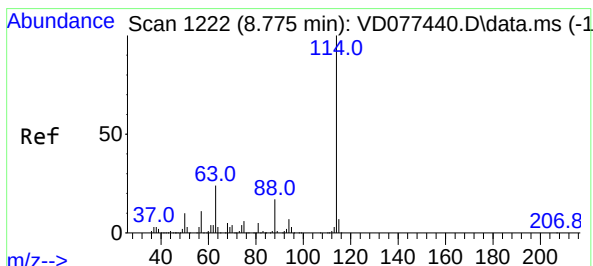
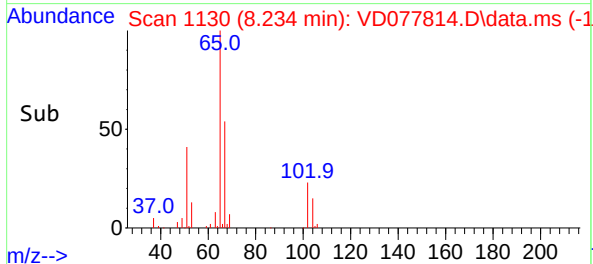
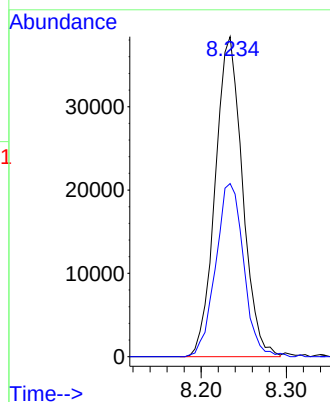
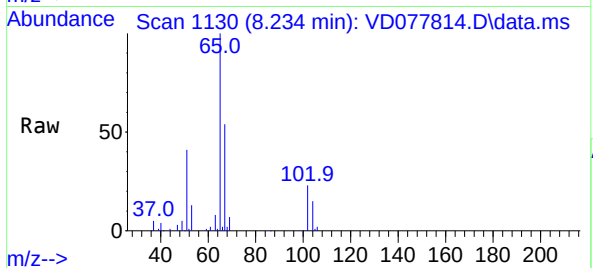




#33
1,2-Dichloroethane-d4
Concen: 51.526 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

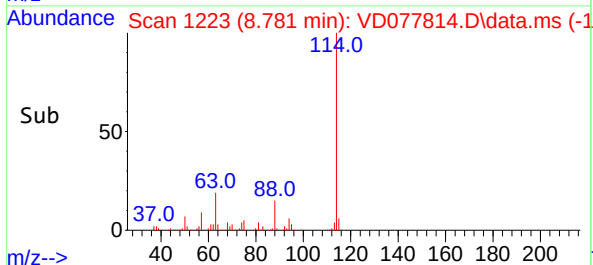
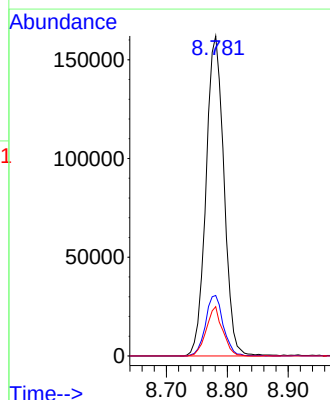
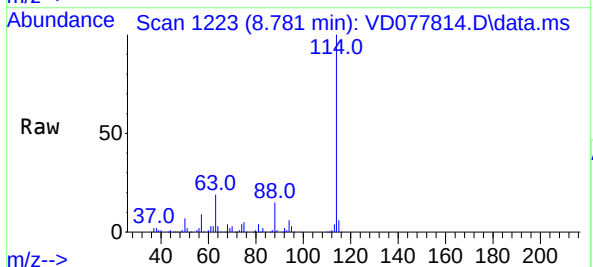
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

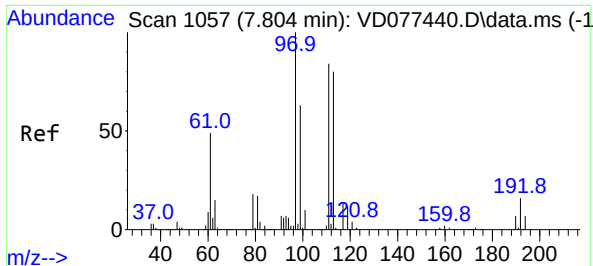
Tgt Ion: 65 Resp: 85348
Ion Ratio Lower Upper
65 100
67 55.6 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 114 Resp: 331457
Ion Ratio Lower Upper
114 100
63 18.9 0.0 33.4
88 15.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.664 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077814.D

Acq: 11 Dec 2023 16:35

Instrument :

MSVOA_D

ClientSampleId :

E8965C-CC-001

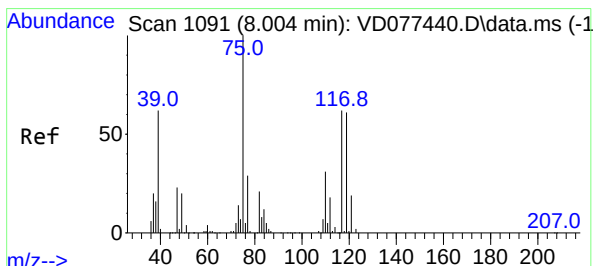
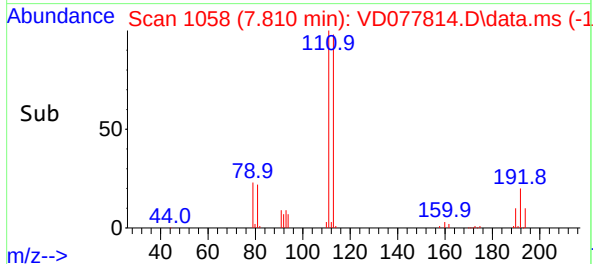
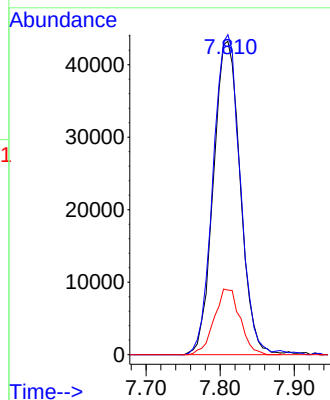
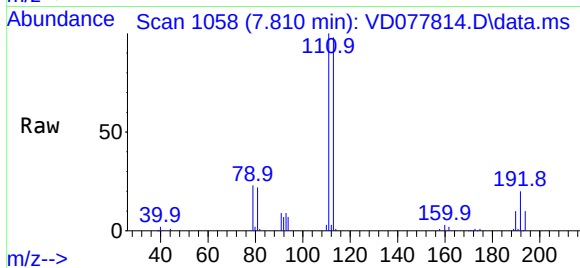
Tgt Ion:113 Resp: 108342

Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 20.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 2.916 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD077814.D

Acq: 11 Dec 2023 16:35

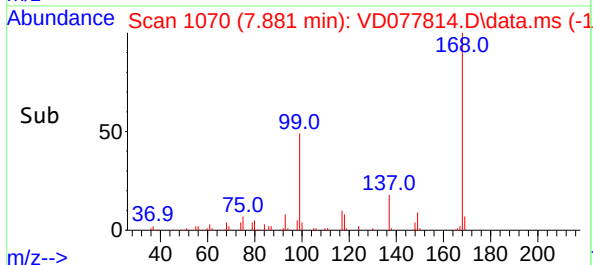
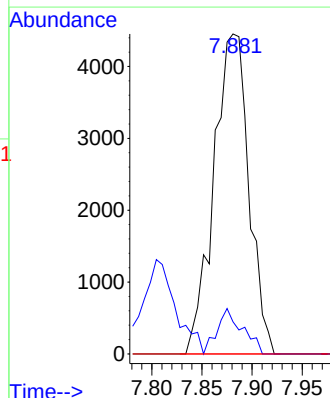
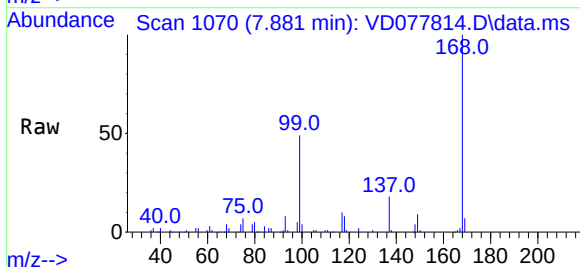
Tgt Ion: 75 Resp: 10831

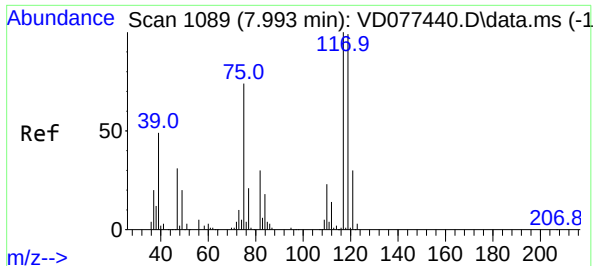
Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.6#

77 0.0 24.7 37.1#

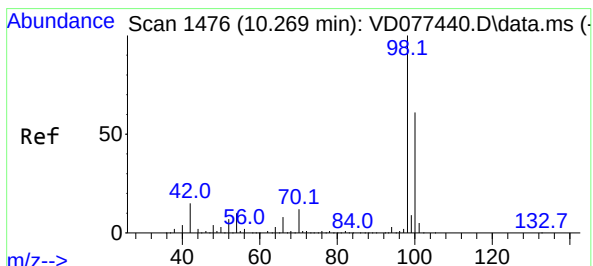
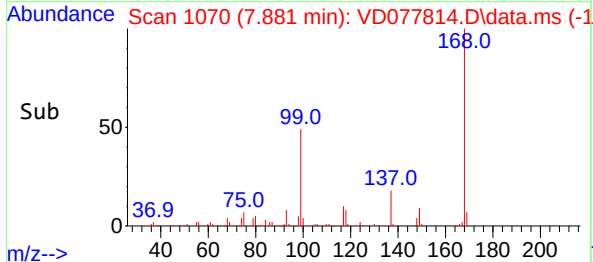
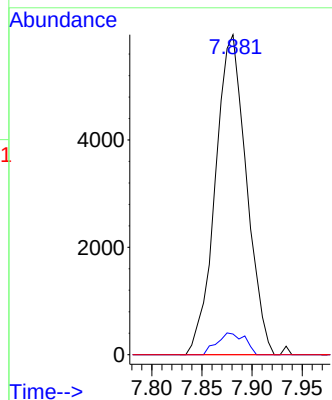
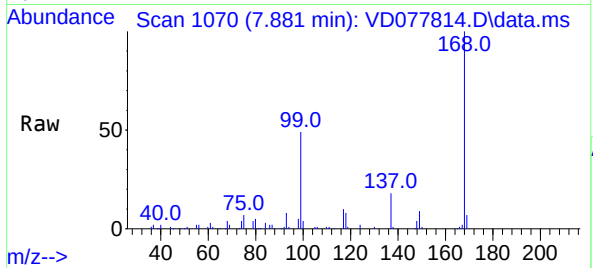




#38
Carbon Tetrachloride
Concen: 3.471 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

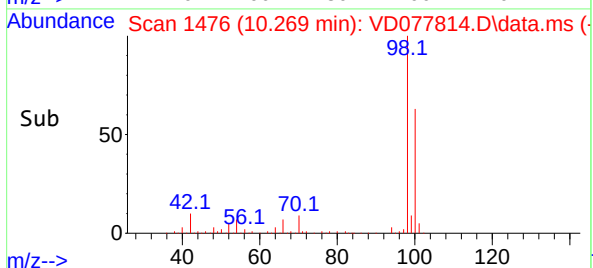
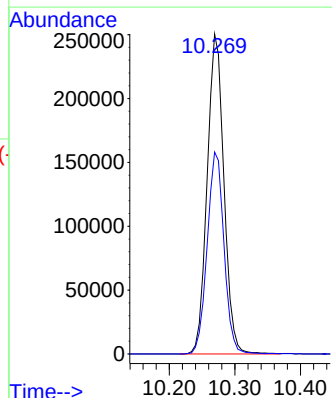
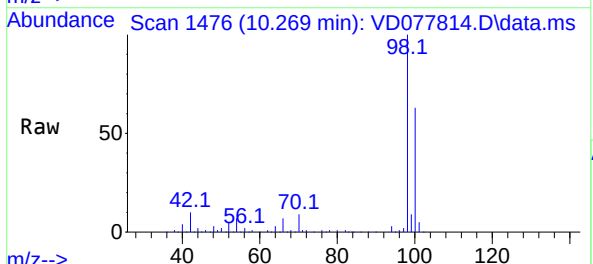
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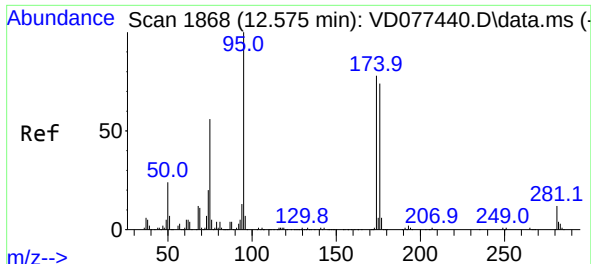
Tgt Ion:117 Resp: 12852
Ion Ratio Lower Upper
117 100
119 6.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.882 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 98 Resp: 445254
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5

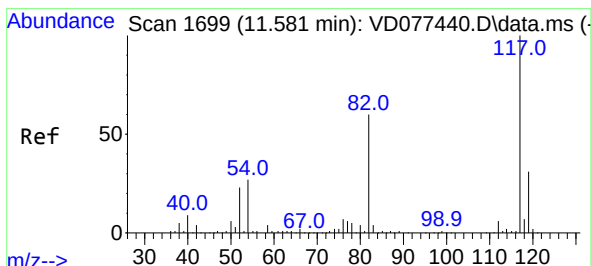
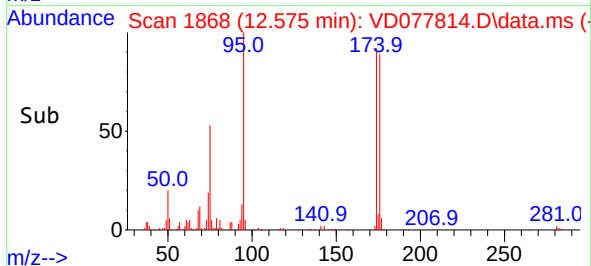
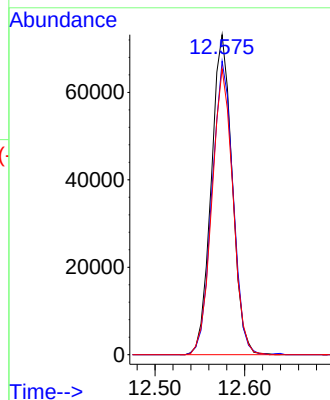
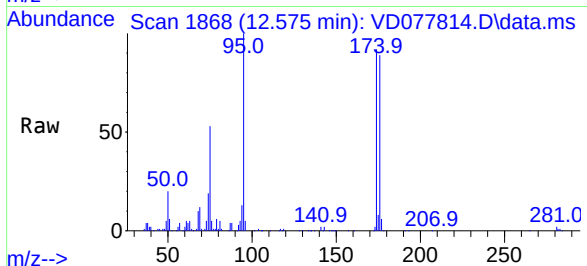




#62
4-Bromofluorobenzene
Concen: 42.565 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

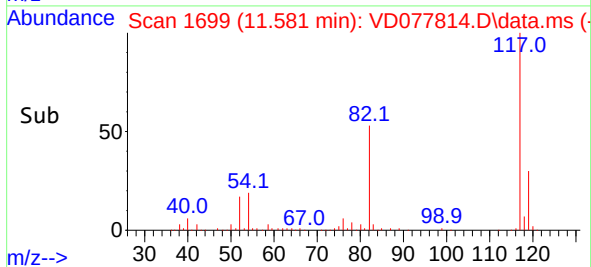
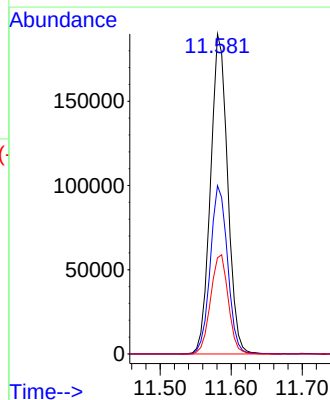
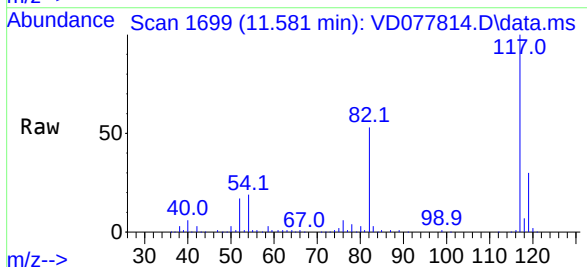
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

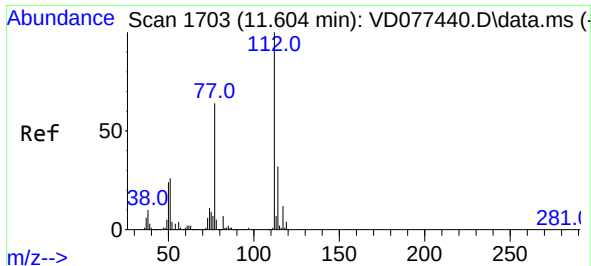
Tgt Ion: 95 Resp: 118336
Ion Ratio Lower Upper
95 100
174 92.1 0.0 201.8
176 89.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 117 Resp: 317691
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 30.0 25.0 37.4

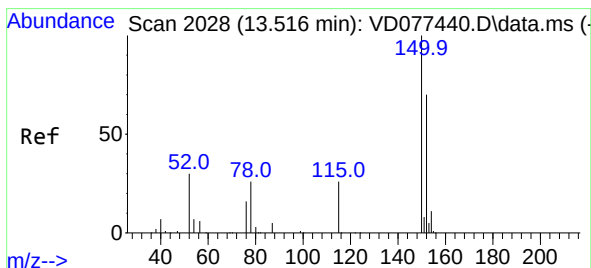
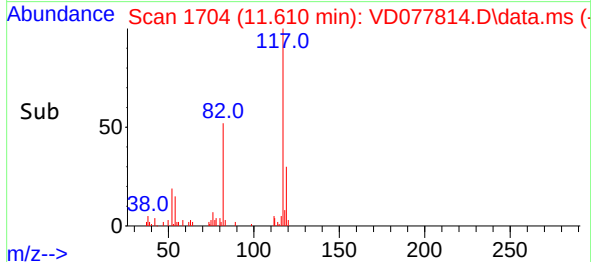
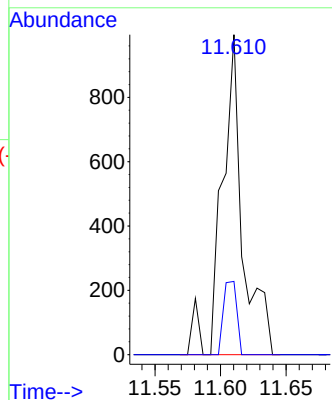
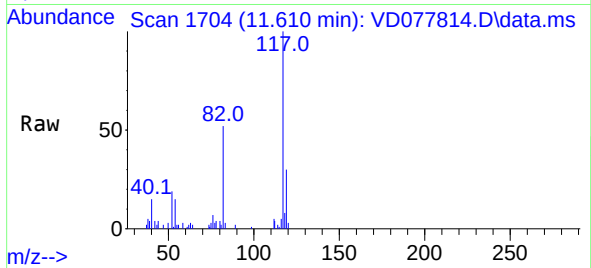




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

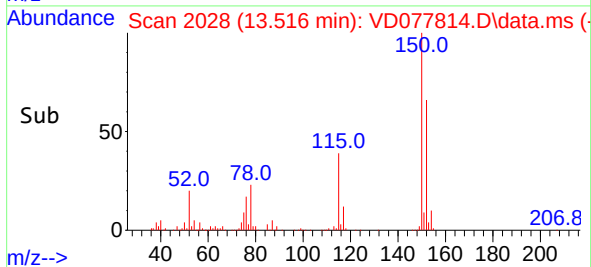
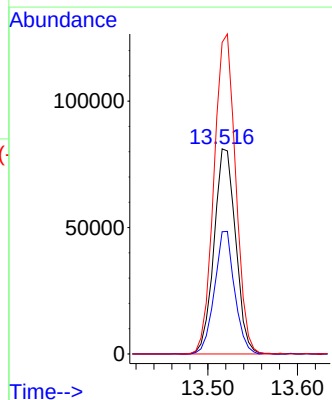
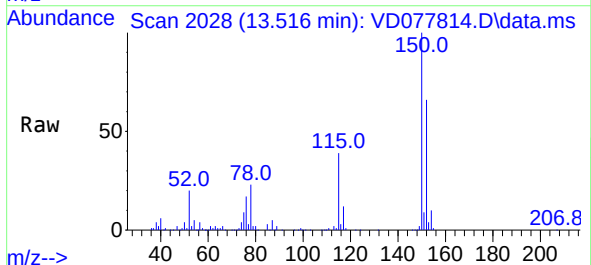
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

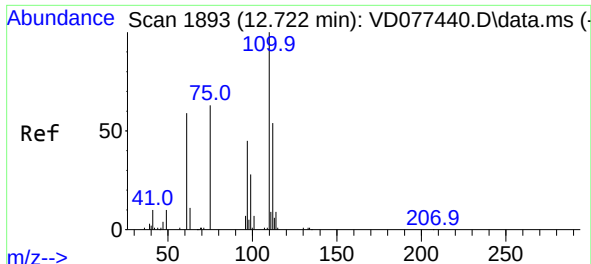
Tgt Ion:112 Resp: 1097
Ion Ratio Lower Upper
112 100
114 22.9 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion:152 Resp: 135826
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 156.5 0.0 353.6

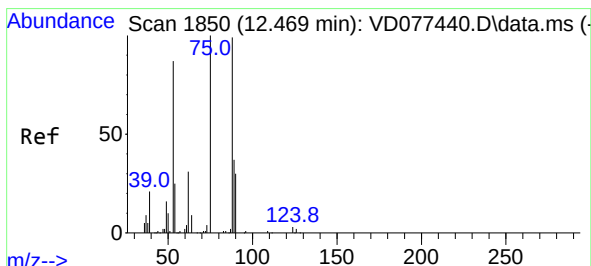
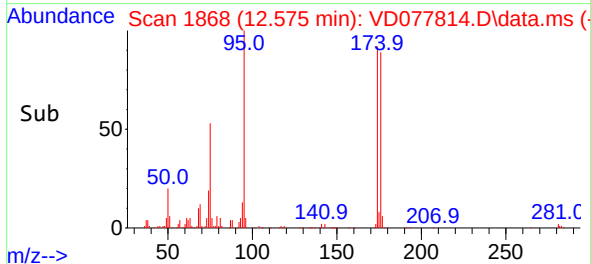
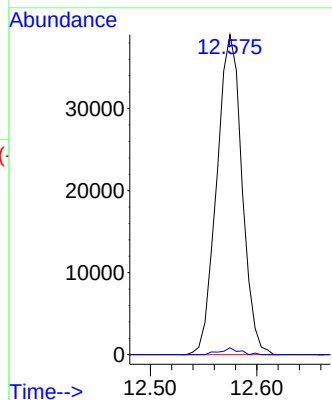
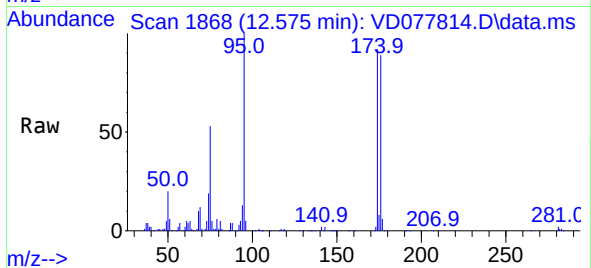




#76
1,2,3-Trichloropropane
Concen: 54.324 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

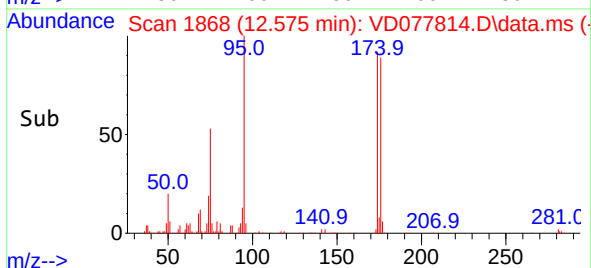
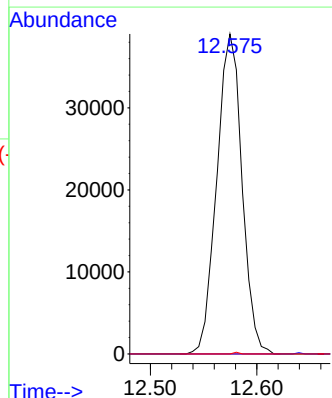
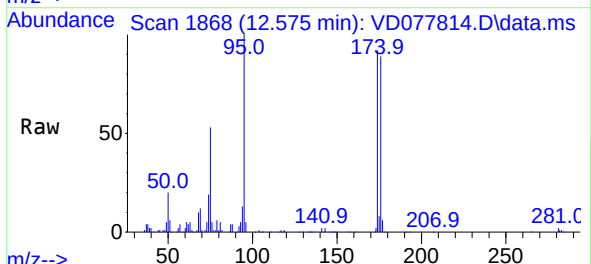
Instrument :
MSVOA_D
ClientSampleId :
E8965C-CC-001

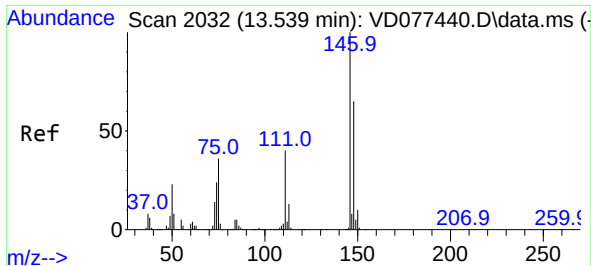
Tgt Ion: 75 Resp: 64084
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.065 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077814.D
Acq: 11 Dec 2023 16:35

Tgt Ion: 75 Resp: 64084
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.545 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077814.D

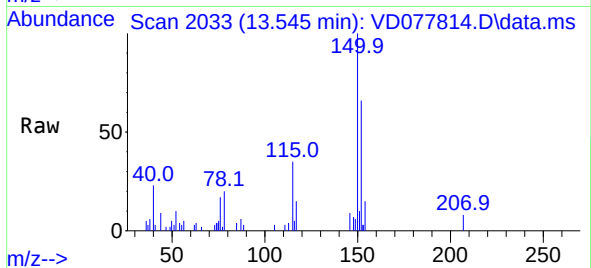
Acq: 11 Dec 2023 16:35

Instrument :

MSVOA_D

ClientSampleId :

E8965C-CC-001



Tgt Ion:146 Resp: 991

Ion Ratio Lower Upper

146 100

111 0.0 17.4 52.3#

148 0.0 31.7 95.1#

