

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077812.D
 Acq On : 11 Dec 2023 15:39
 Operator : JC/SY
 Sample : VD1211SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 17:04:49 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)

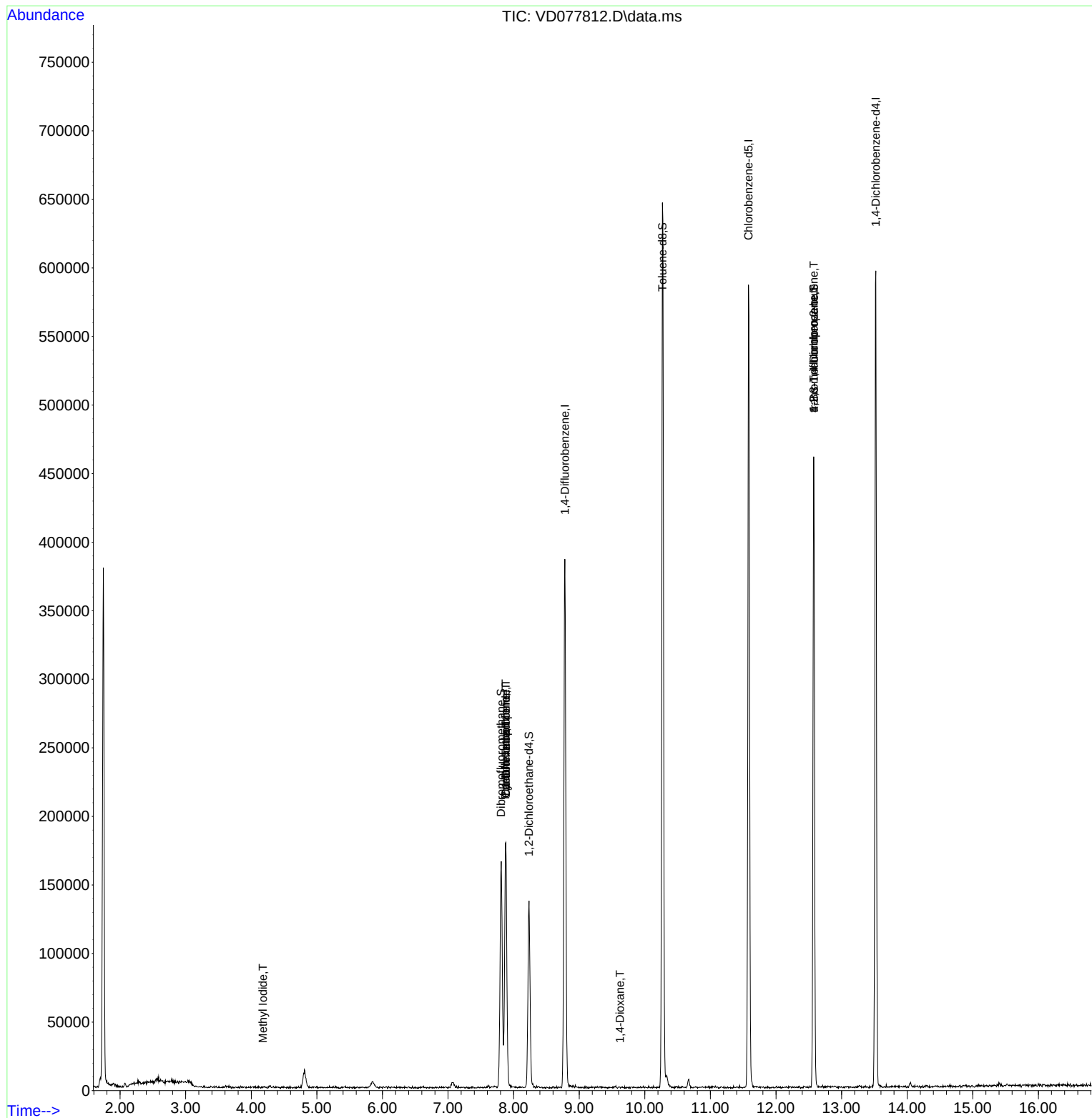
Internal Standards						
1) Pentafluorobenzene	7.875	168	140520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	346721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	350215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	161065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	105264	63.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.140%
35) Dibromofluoromethane	7.810	113	119049	49.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.269	98	458663	47.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.300%
62) 4-Bromofluorobenzene	12.575	95	133949	46.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.120%
Target Compounds						Qvalue
10) Methyl Iodide	4.175	142	116	6.808	ug/l #	46
11) Tert butyl alcohol	4.805	59	65	Below Cal	#	73
16) Acetone	4.016	43	310	Below Cal	#	32
20) Methylene Chloride	4.816	84	9435	Below Cal		91
25) 2-Butanone	7.075	43	186	Below Cal	#	37
31) Cyclohexane	7.881	56	3425	1.163	ug/l #	32
36) 1,1-Dichloropropene	7.881	75	10640	2.739	ug/l #	49
38) Carbon Tetrachloride	7.881	117	14796	3.820	ug/l #	15
49) 1,4-Dioxane	9.622	88	66	4.687	ug/l #	1
65) Chlorobenzene	11.593	112	273	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	70951	50.721	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	70951	102.764	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	516	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.434	75	123	Below Cal	#	19

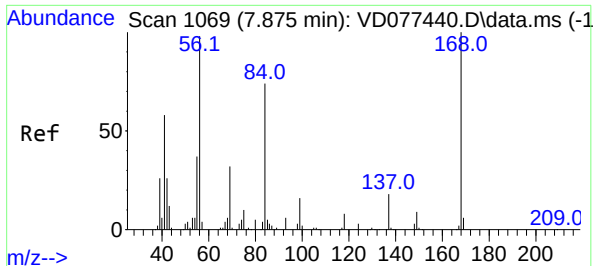
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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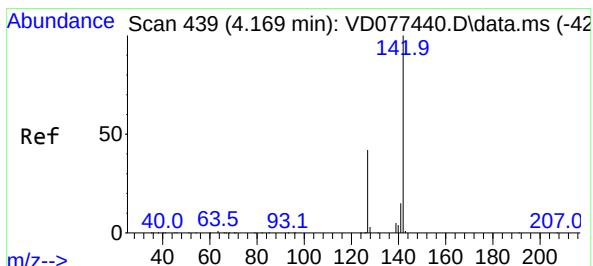
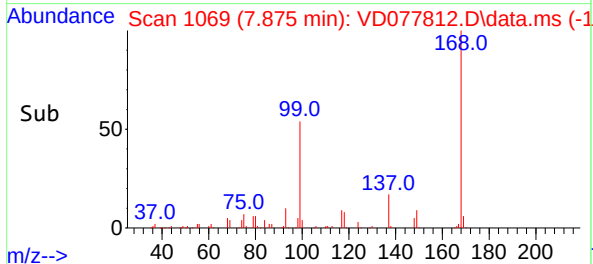
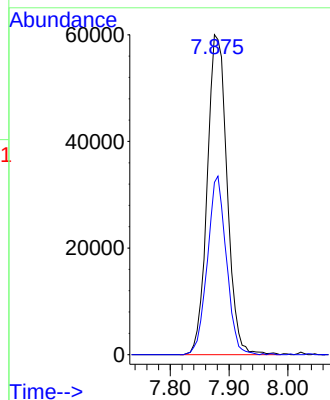
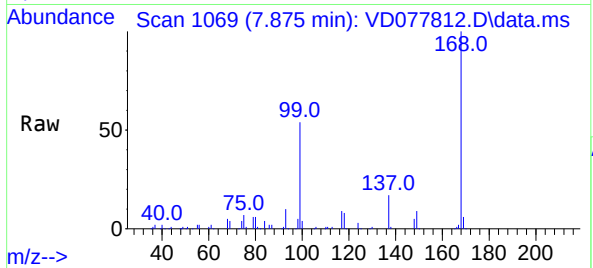




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

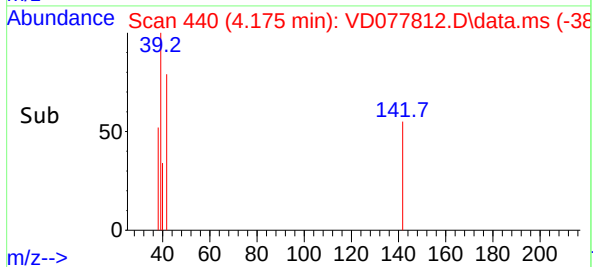
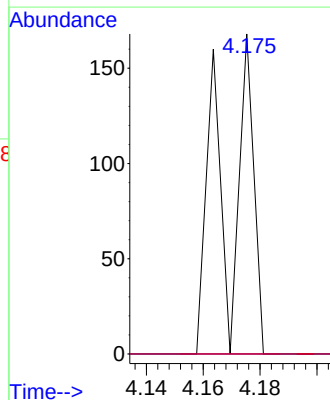
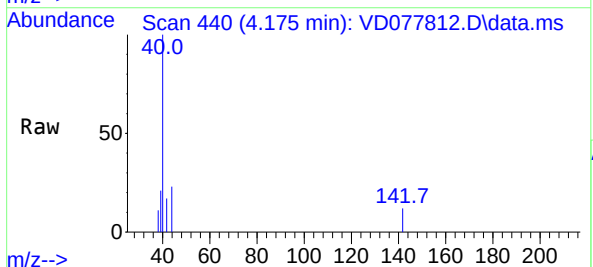
Instrument :
MSVOA_D
ClientSampleId :

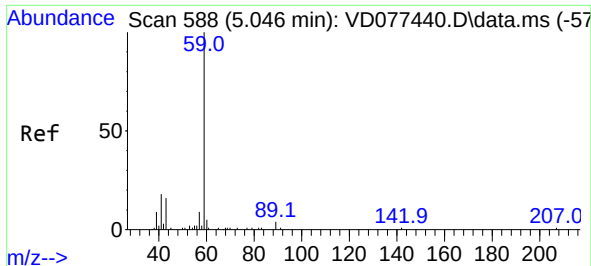
Tgt Ion:168 Resp: 140520
Ion Ratio Lower Upper
168 100
99 53.8 36.7 55.1



#10
Methyl Iodide
Concen: 6.808 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Tgt Ion:142 Resp: 116
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

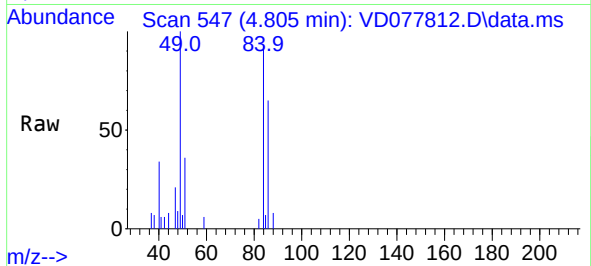
Lab File: VD077812.D

Acq: 11 Dec 2023 15:39

Instrument :

MSVOA_D

ClientSampleId :

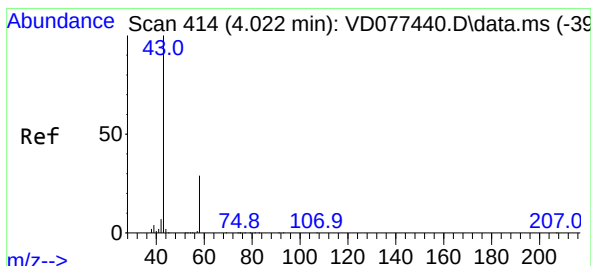
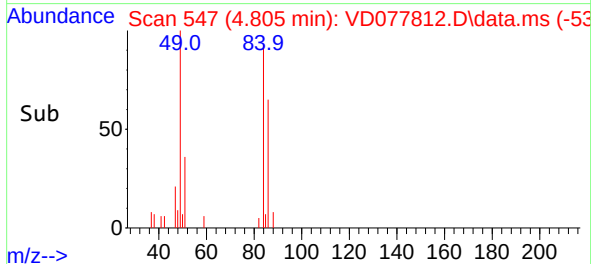
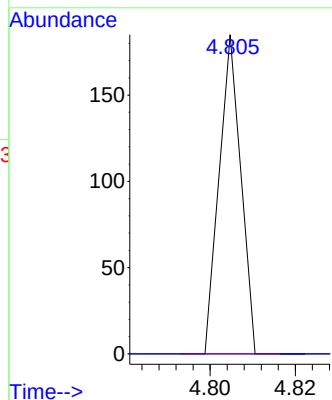


Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.016 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD077812.D

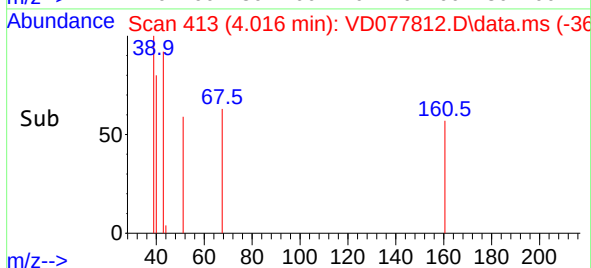
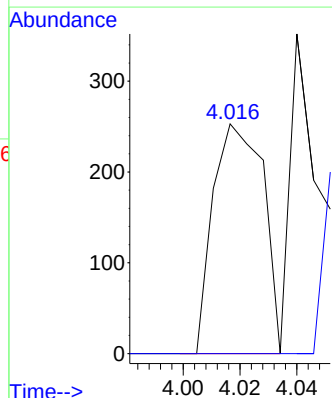
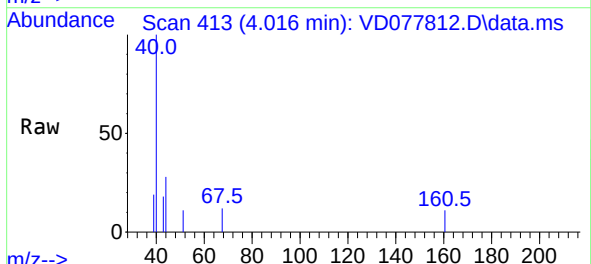
Acq: 11 Dec 2023 15:39

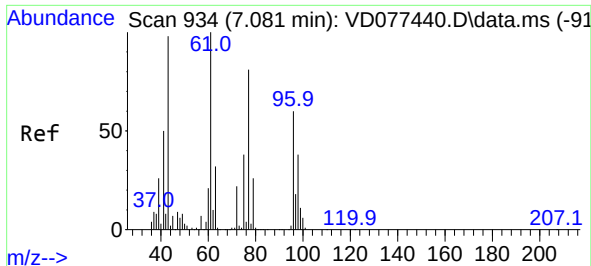
Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

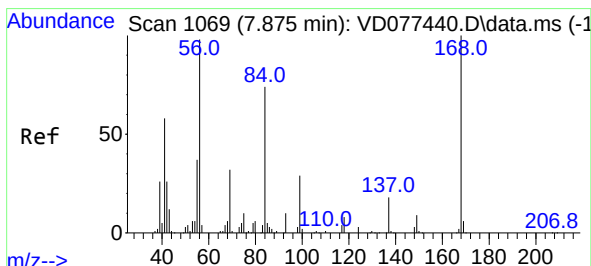
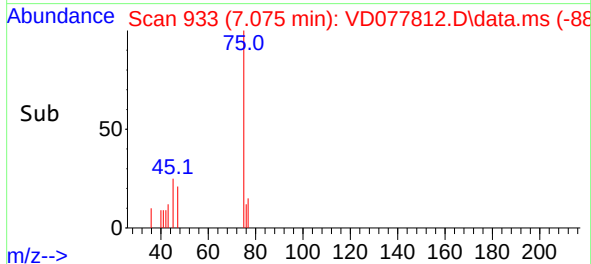
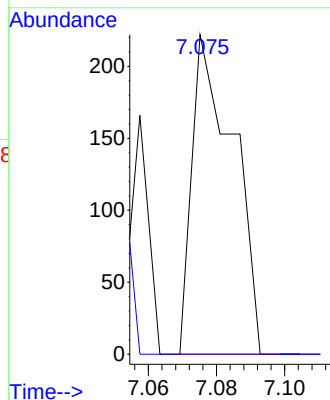
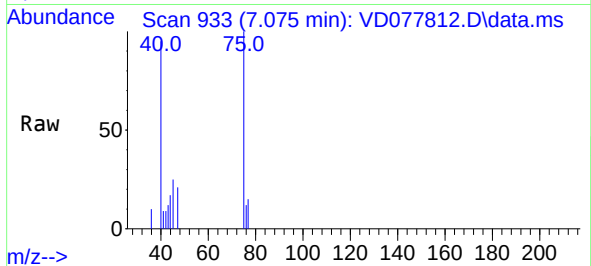




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

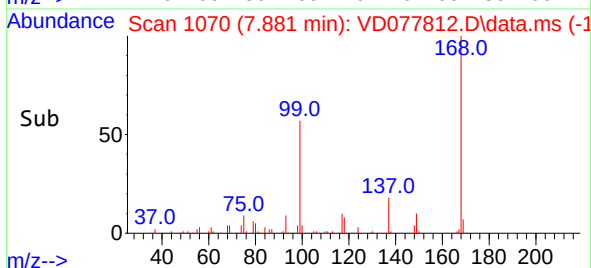
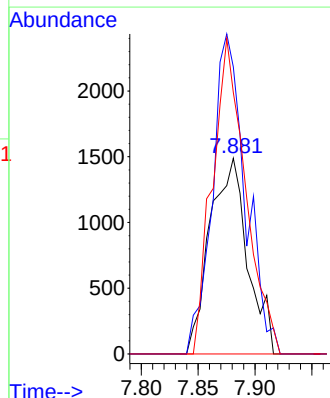
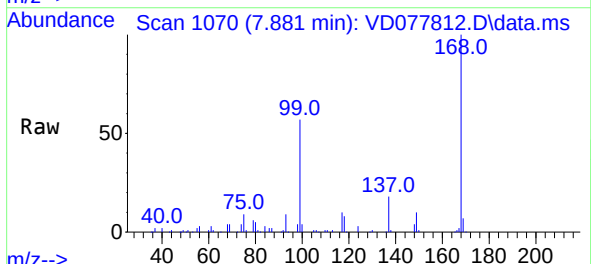
Instrument :
MSVOA_D
ClientSampleId :

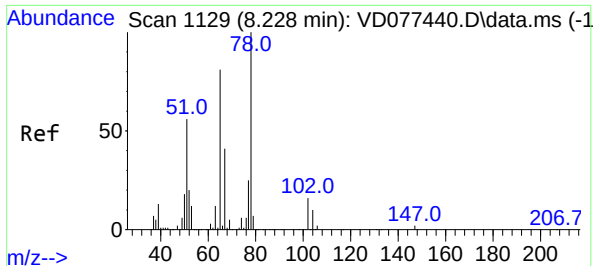
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Tgt Ion: 56 Resp: 3425
Ion Ratio Lower Upper
56 100
69 146.6 28.6 43.0#
84 133.6 84.8 127.2#

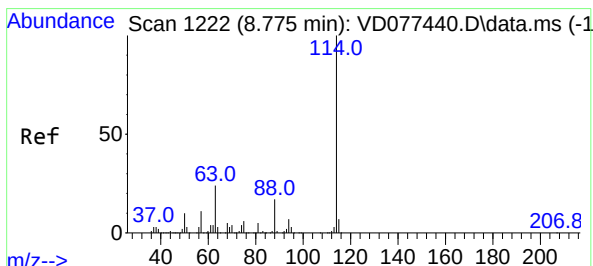
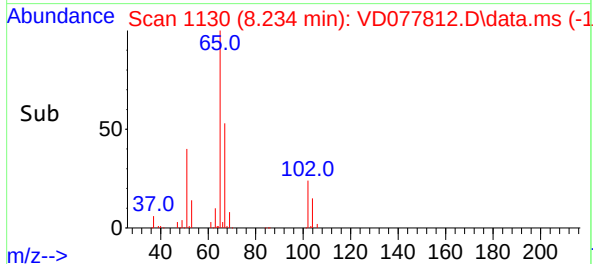
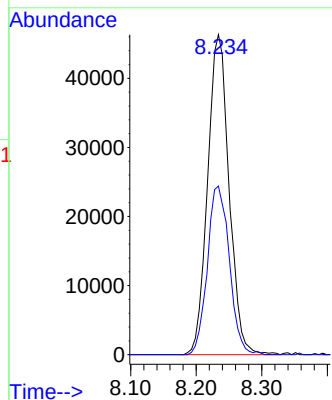
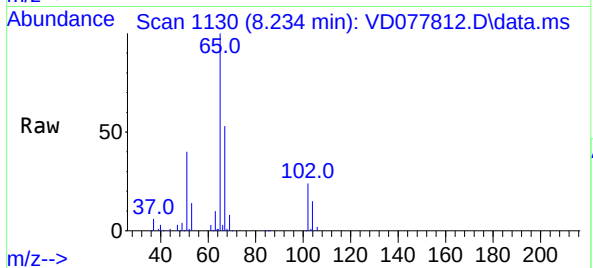




#33
1,2-Dichloroethane-d4
Concen: 63.572 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

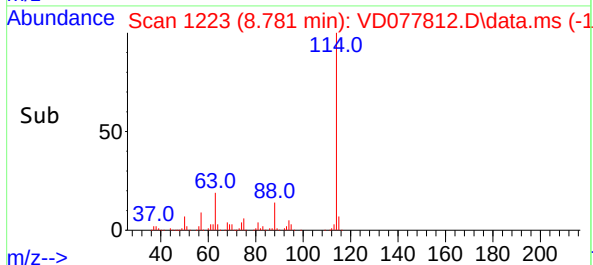
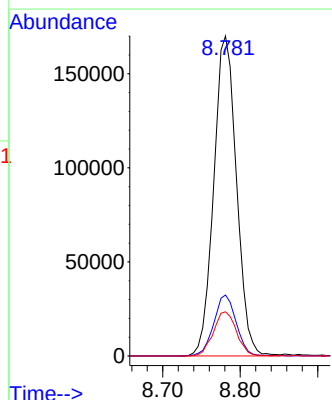
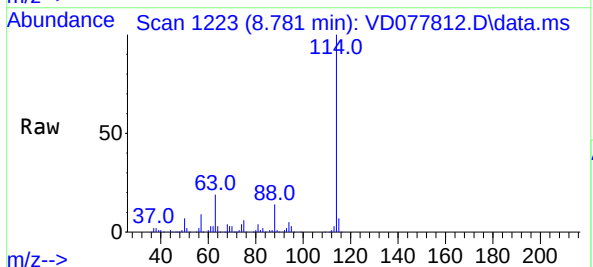
Instrument :
MSVOA_D
ClientSampleId :

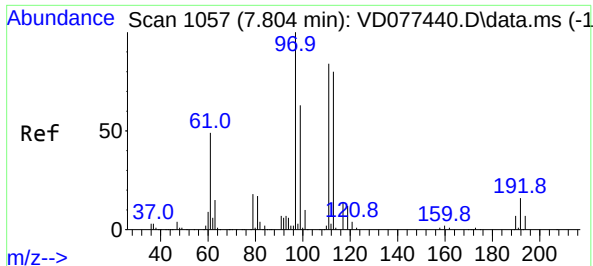
Tgt Ion: 65 Resp: 105264
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

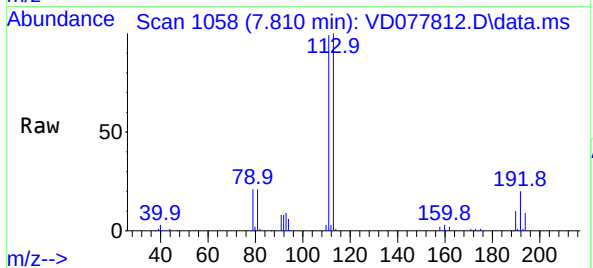
Tgt Ion:114 Resp: 346721
Ion Ratio Lower Upper
114 100
63 19.1 0.0 33.4
88 13.8 0.0 26.2



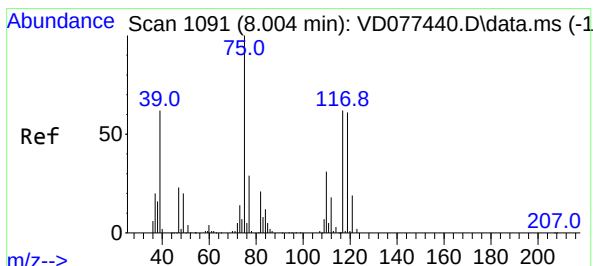
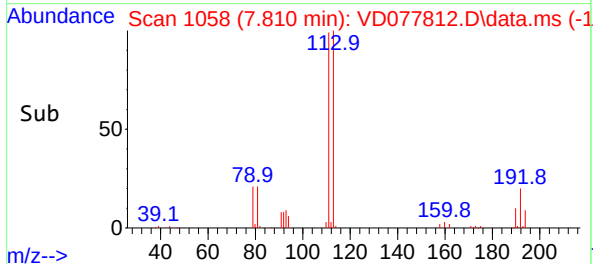
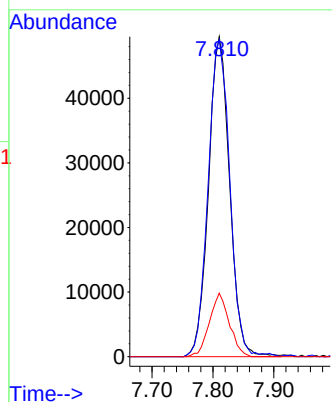


#35
Dibromofluoromethane
Concen: 49.018 ug/l
RT: 7.810 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Instrument :
MSVOA_D
ClientSampleId :

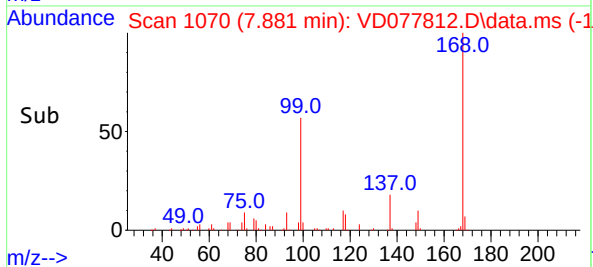
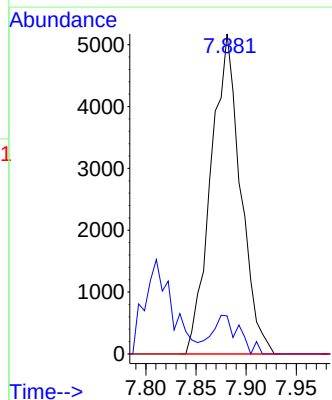
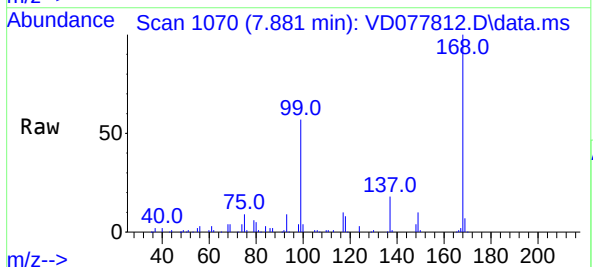


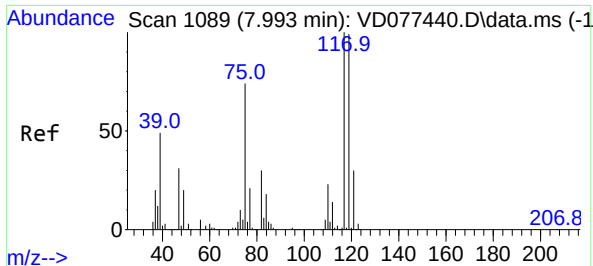
Tgt Ion:113 Resp: 119049
Ion Ratio Lower Upper
113 100
111 101.8 84.7 127.1
192 18.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 2.739 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

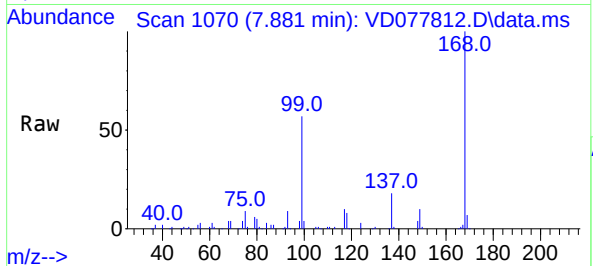
Tgt Ion: 75 Resp: 10640
Ion Ratio Lower Upper
75 100
110 11.1 19.9 59.6#
77 0.0 24.7 37.1#



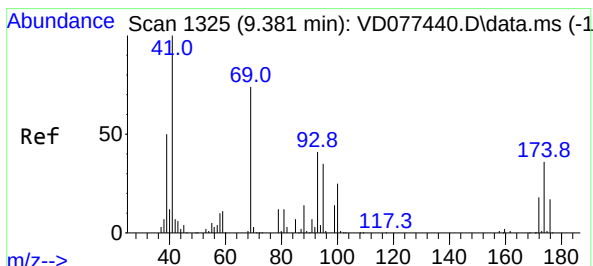
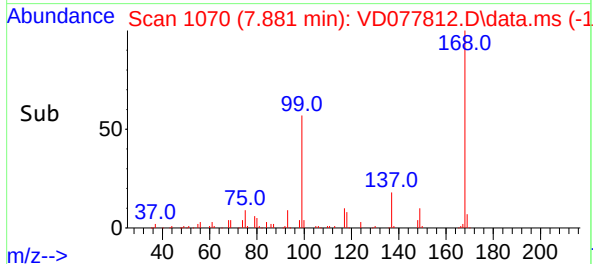
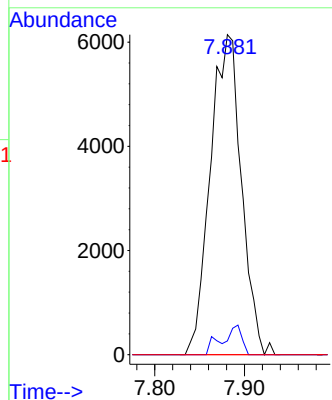


#38
Carbon Tetrachloride
Concen: 3.820 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Instrument :
MSVOA_D
ClientSampleId :

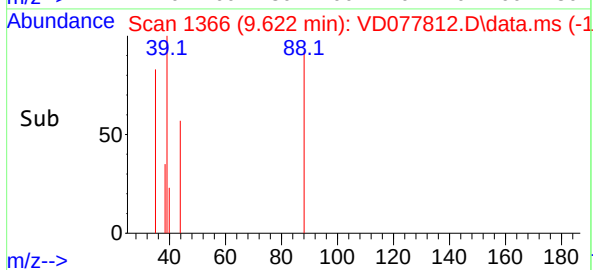
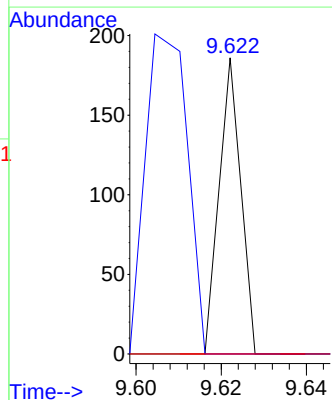
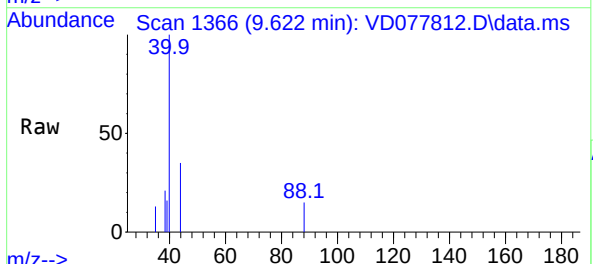


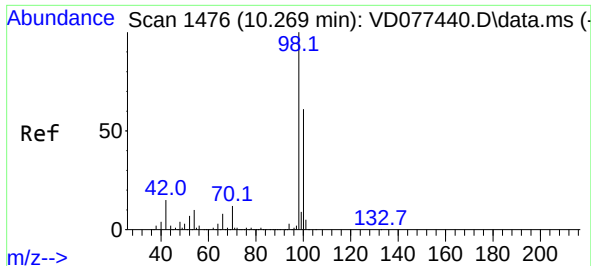
Tgt Ion:117 Resp: 14796
Ion Ratio Lower Upper
117 100
119 4.3 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.687 ug/l
RT: 9.622 min Scan# 1366
Delta R.T. 0.241 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 209.1 19.0 28.6#
58 0.0 43.5 65.3#

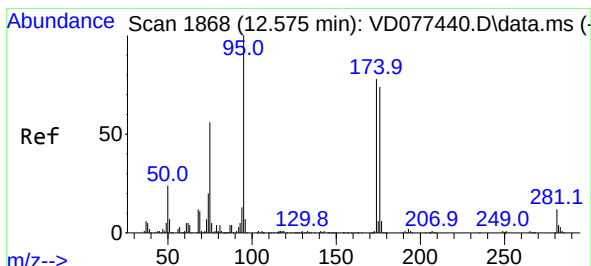
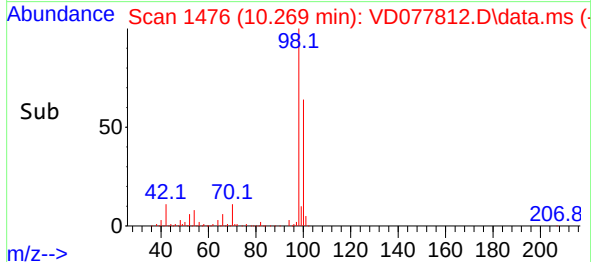
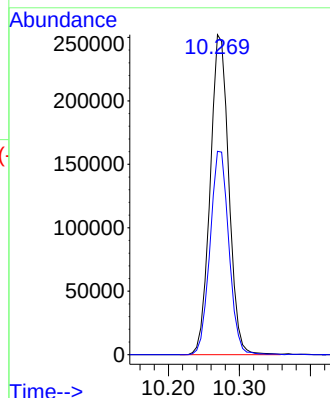
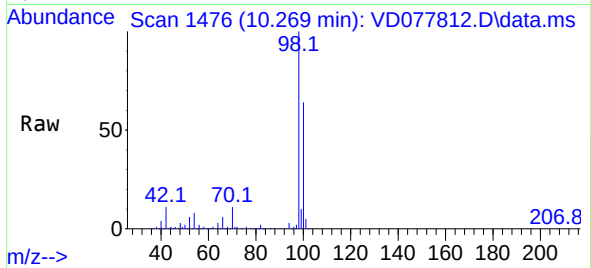




#50
Toluene-d8
Concen: 47.153 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

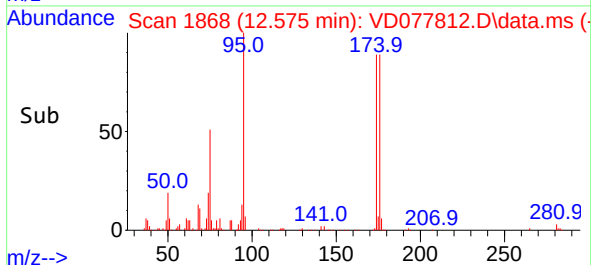
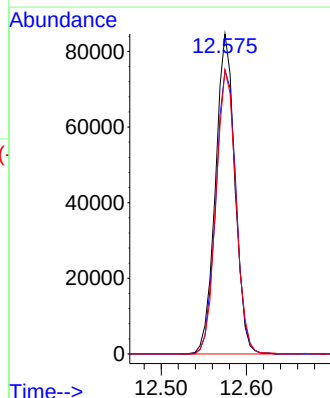
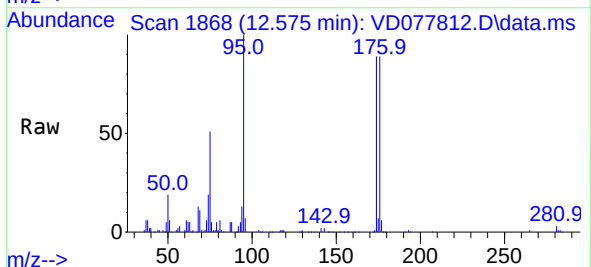
Instrument :
MSVOA_D
ClientSampleId :

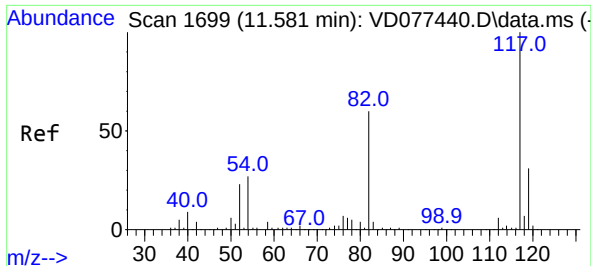
Tgt Ion: 98 Resp: 458663
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 46.060 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Tgt Ion: 95 Resp: 133949
Ion Ratio Lower Upper
95 100
174 92.3 0.0 201.8
176 90.9 0.0 191.8

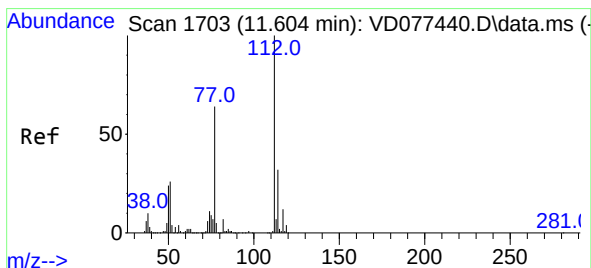
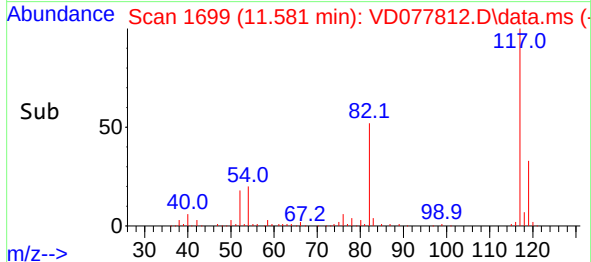
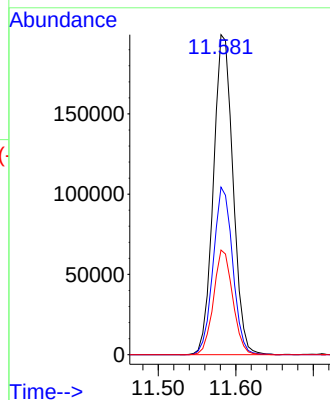
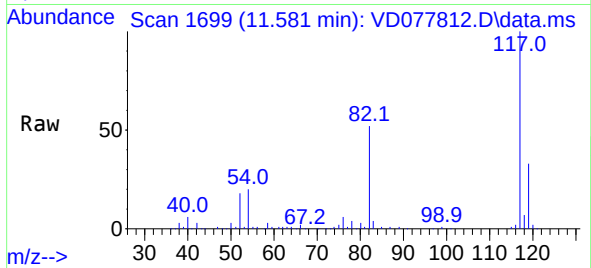




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

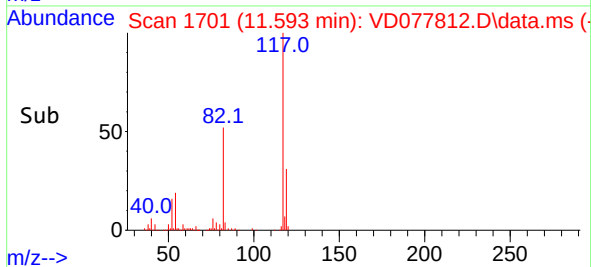
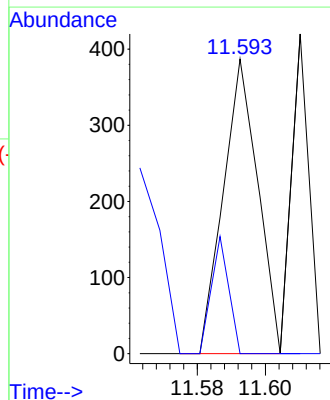
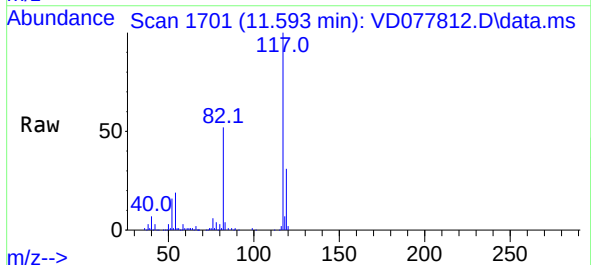
Instrument :
MSVOA_D
ClientSampleId :

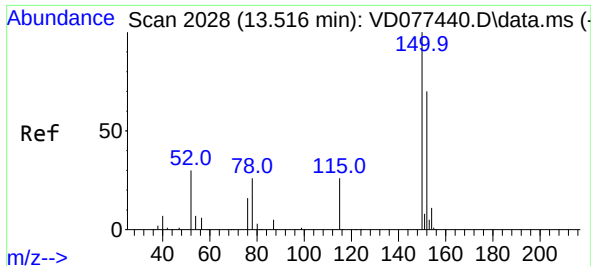
Tgt Ion:117 Resp: 350215
Ion Ratio Lower Upper
117 100
82 52.4 38.3 57.5
119 32.7 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.593 min Scan# 1701
Delta R.T. -0.011 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

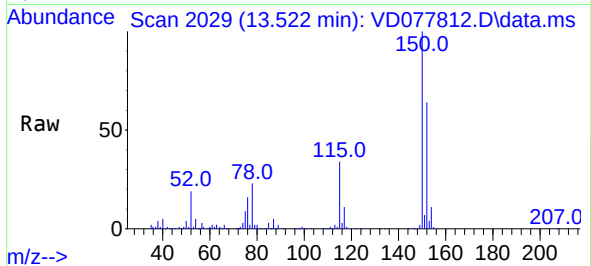
Tgt Ion:112 Resp: 273
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



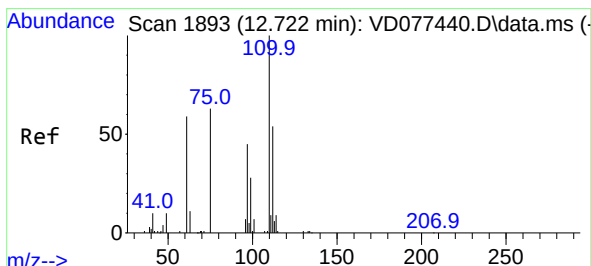
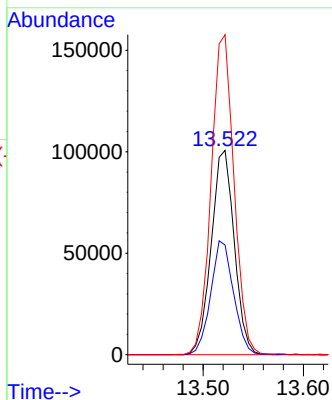
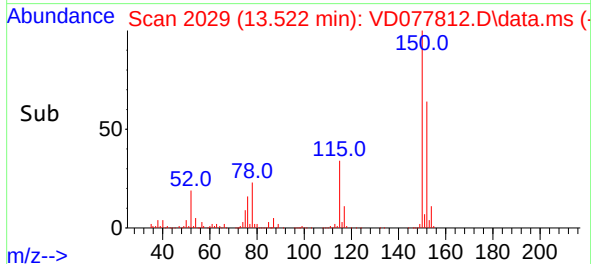


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Instrument :
MSVOA_D
ClientSampleId :

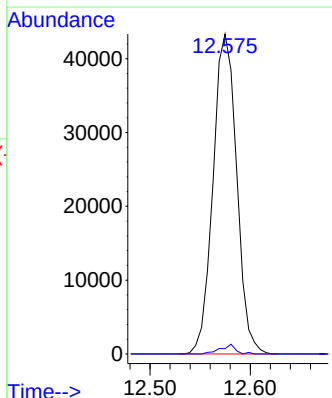
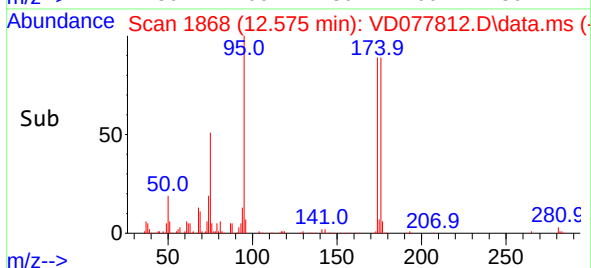
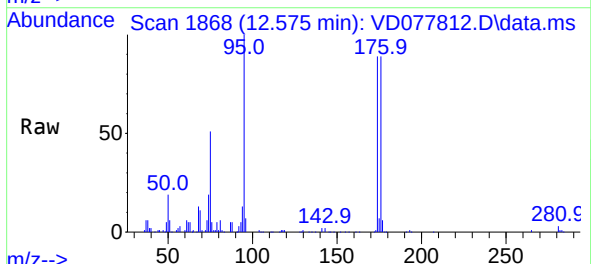


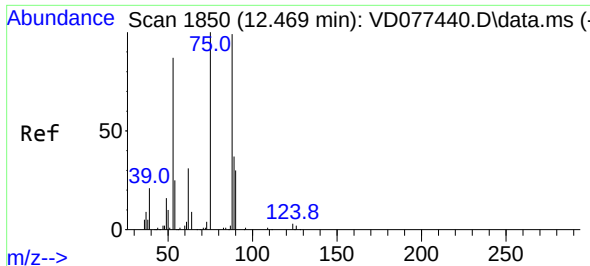
Tgt Ion:152 Resp: 161065
Ion Ratio Lower Upper
152 100
115 55.3 27.1 81.3
150 155.4 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 50.721 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Tgt Ion: 75 Resp: 70951
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

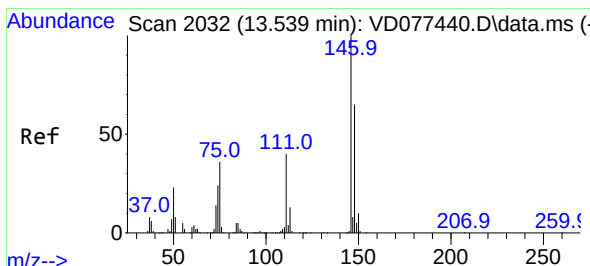
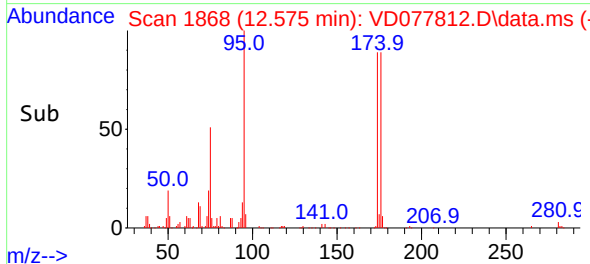
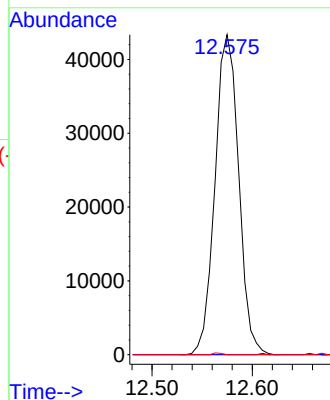
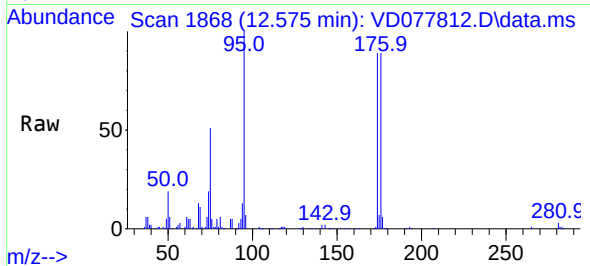




#81
trans-1,4-Dichloro-2-butene
Concen: 102.764 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	75	Resp:	70951
Ion Ratio	Lower	Upper	
75	100		
53	0.0	63.0	94.4#
89	0.2	37.9	56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.540 min Scan# 2032
Delta R.T. 0.001 min
Lab File: VD077812.D
Acq: 11 Dec 2023 15:39

Tgt Ion:	146	Resp:	516
Ion Ratio	Lower	Upper	
146	100		
111	460.5	17.4	52.3#
148	244.6	31.7	95.1#

