

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\Not Reviewed Data\
 Data File : VD077833.D
 Acq On : 12 Dec 2023 10:36
 Operator : JC/SY
 Sample : VD1212SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213

Quant Time: Dec 12 14:02:28 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)

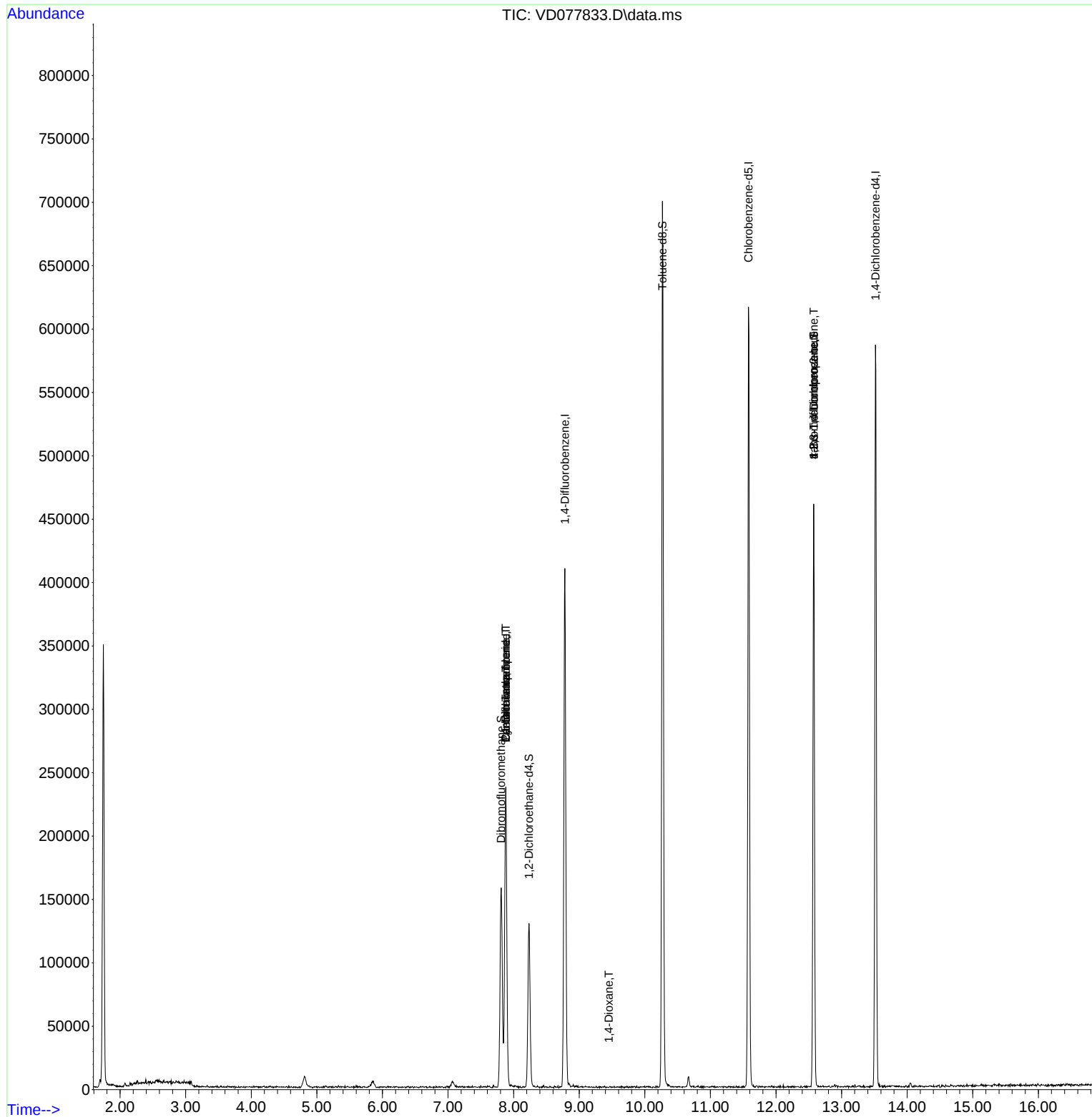
Internal Standards						
1) Pentafluorobenzene	7.881	168	179677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	371001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	351291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	158895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	102922	48.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.220%		
35) Dibromofluoromethane	7.810	113	115058	44.275	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.540%		
50) Toluene-d8	10.269	98	481867	46.296	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.600%		
62) 4-Bromofluorobenzene	12.575	95	135009	43.386	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.780%		
Target Compounds						
11) Tert butyl alcohol	5.040	59	58	Below Cal	#	1
16) Acetone	4.034	43	210	Below Cal	#	32
20) Methylene Chloride	4.811	84	6728	Below Cal	#	87
25) 2-Butanone	7.075	43	311	Below Cal	#	37
31) Cyclohexane	7.881	56	4190	1.113	ug/l #	48
36) 1,1-Dichloropropene	7.881	75	14995	3.607	ug/l #	50
38) Carbon Tetrachloride	7.881	117	17788	4.292	ug/l #	16
49) 1,4-Dioxane	9.452	88	55	3.650	ug/l #	33
65) Chlorobenzene	11.616	112	441	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	73034	52.923	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	73034	107.225	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	220	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.198	75	54	Below Cal	#	1

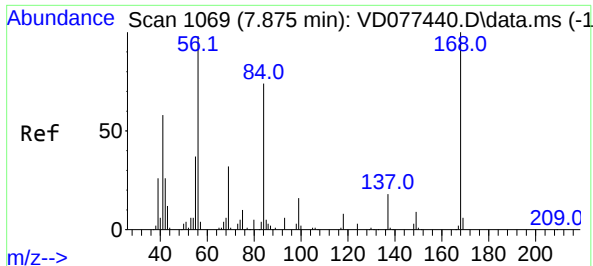
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD1213

Quant Time: Dec 12 14:02:28 2023
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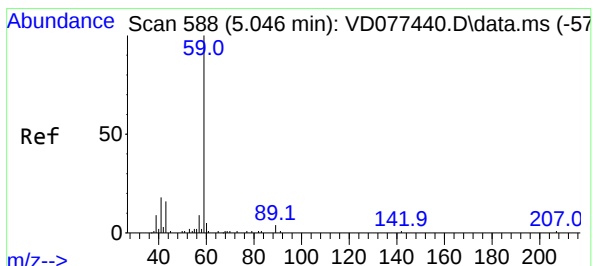
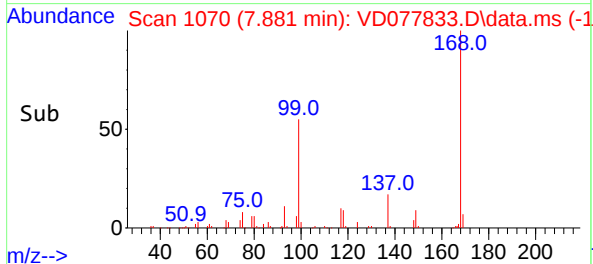
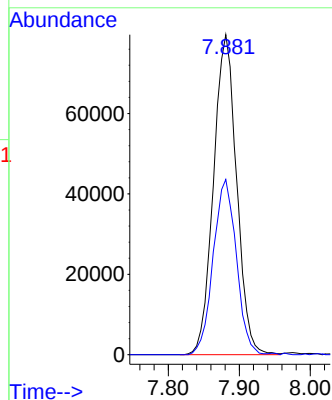
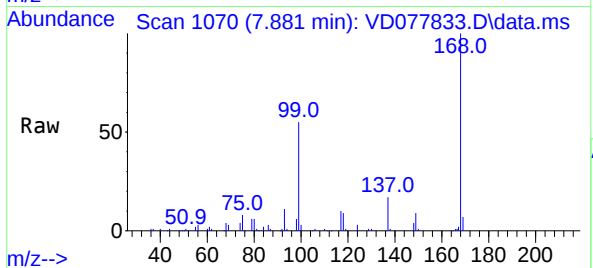




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

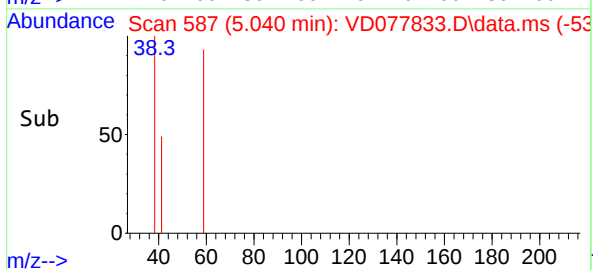
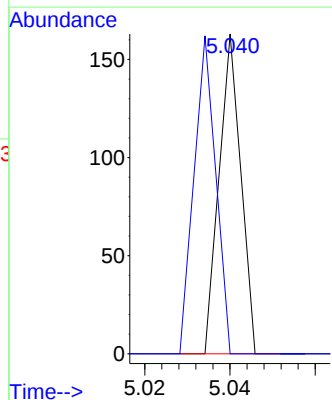
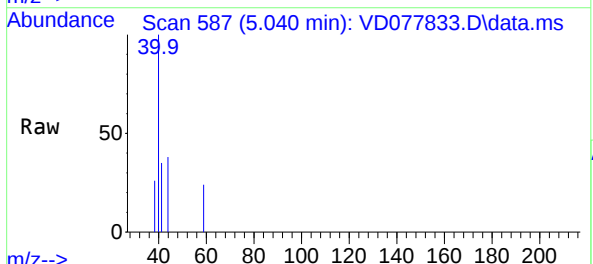
Instrument :
MSVOA_D
ClientSampleId :
VD1213

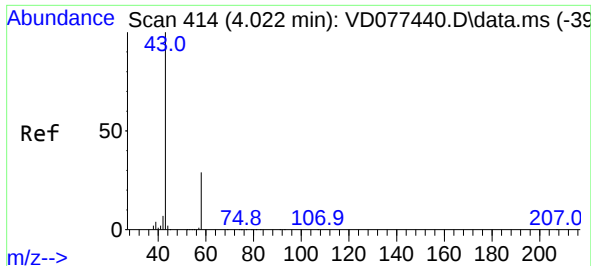
Tgt Ion:168 Resp: 179677
Ion Ratio Lower Upper
168 100
99 54.8 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.040 min Scan# 587
Delta R.T. -0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 98.3 7.8 11.8#

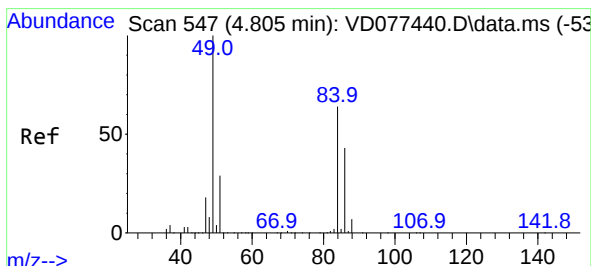
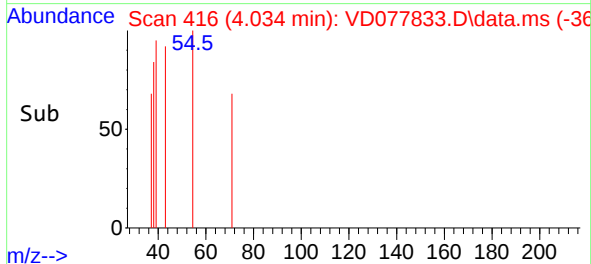
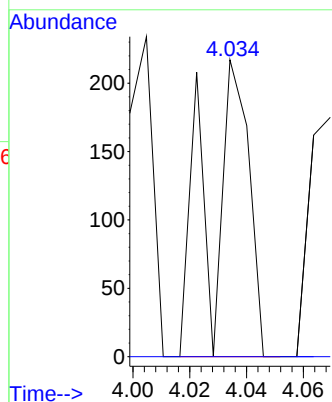
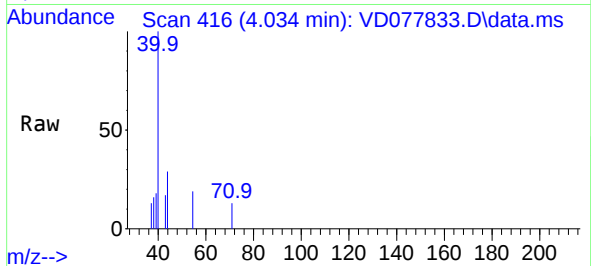




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

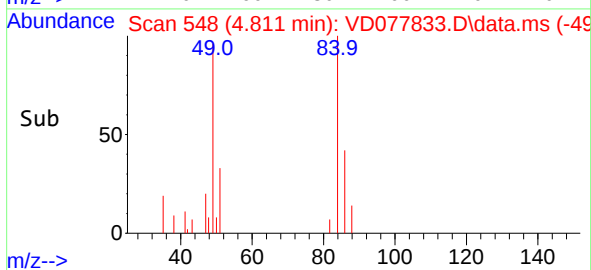
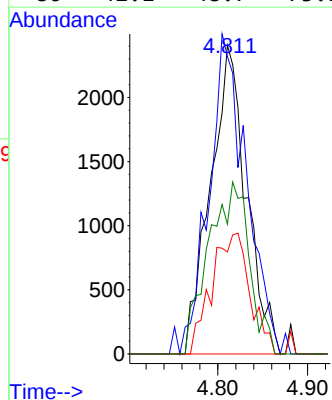
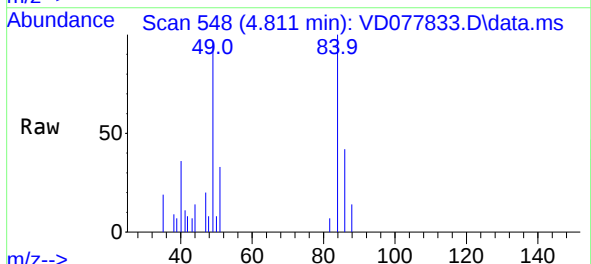
Instrument :
MSVOA_D
ClientSampleId :
VD1213

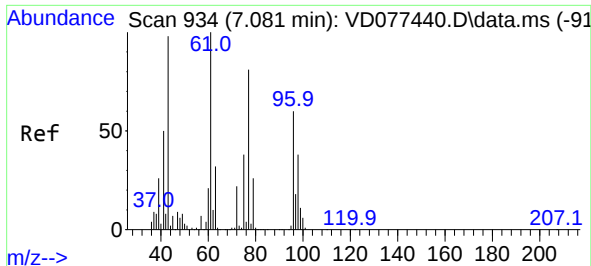
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 84 Resp: 6728
Ion Ratio Lower Upper
84 100
49 96.4 71.4 107.2
51 33.0 24.5 36.7
86 42.1 48.7 73.1#

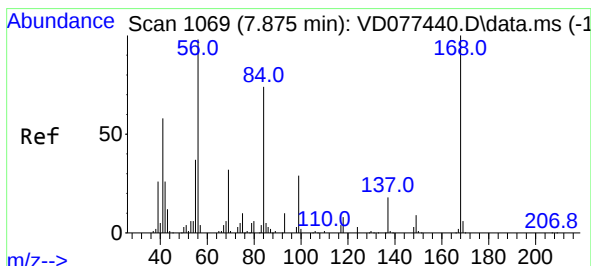
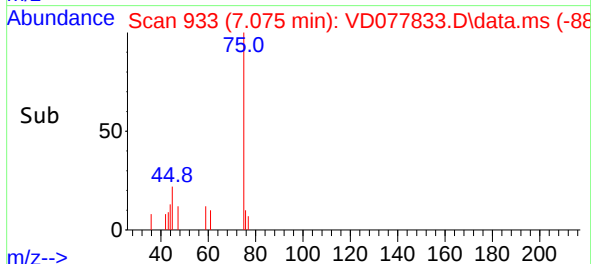
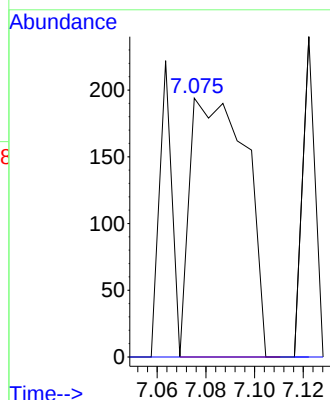
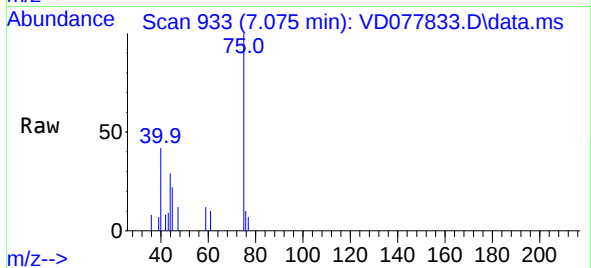




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

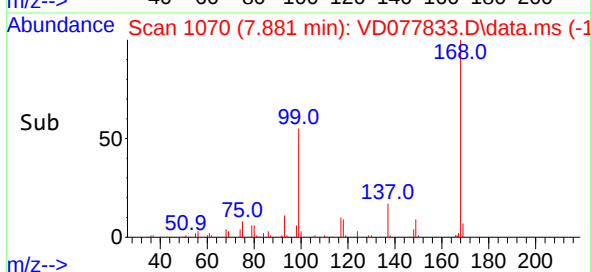
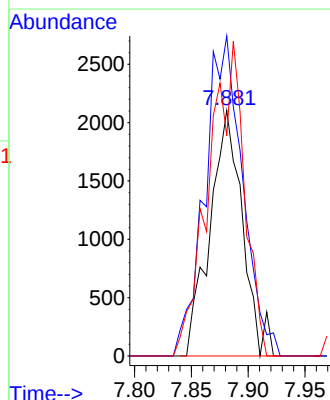
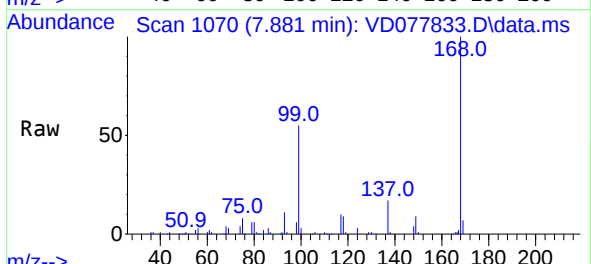
Instrument :
MSVOA_D
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VD1213

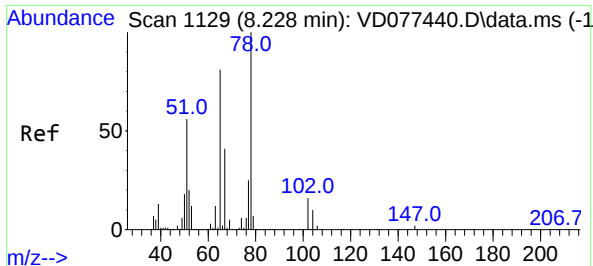
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 56 Resp: 4190
Ion Ratio Lower Upper
56 100
69 130.2 28.6 43.0#
84 89.7 84.8 127.2

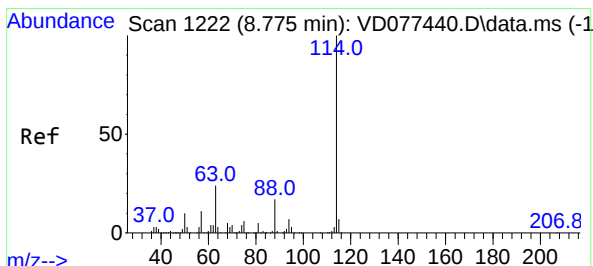
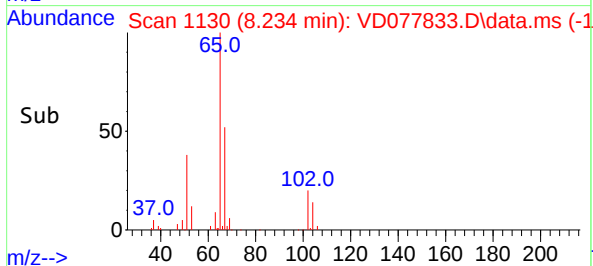
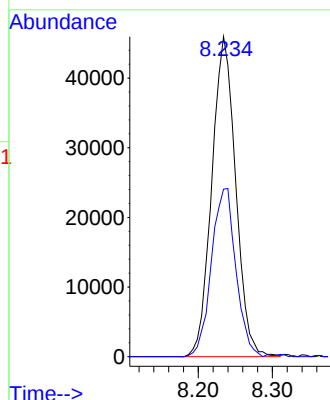
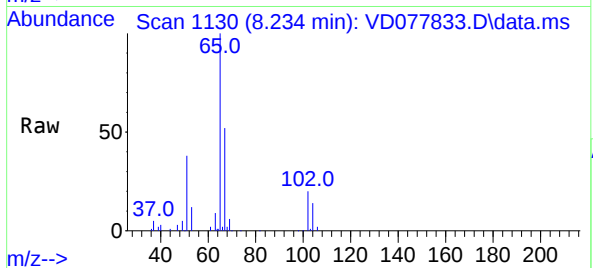




#33
1,2-Dichloroethane-d4
Concen: 48.612 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

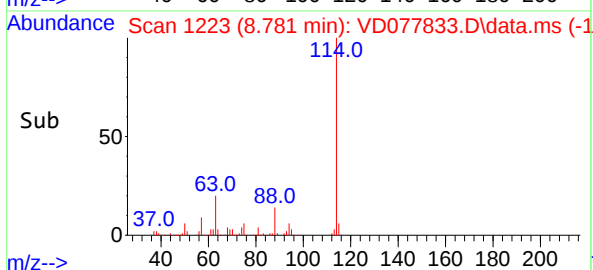
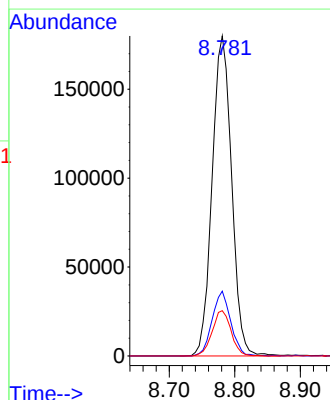
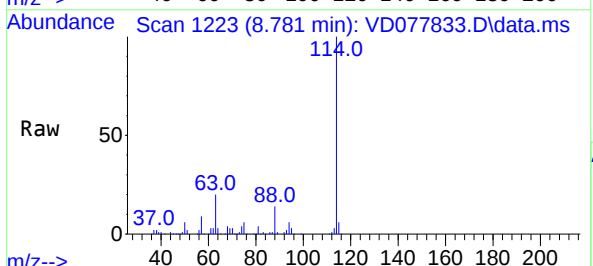
Instrument :
MSVOA_D
ClientSampleId :
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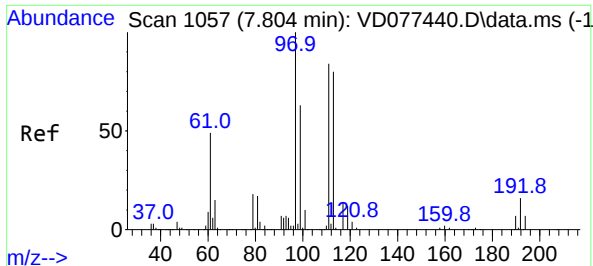
Tgt Ion: 65 Resp: 102922
Ion Ratio Lower Upper
65 100
67 53.7 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 114 Resp: 371001
Ion Ratio Lower Upper
114 100
63 20.2 0.0 33.4
88 14.2 0.0 26.2

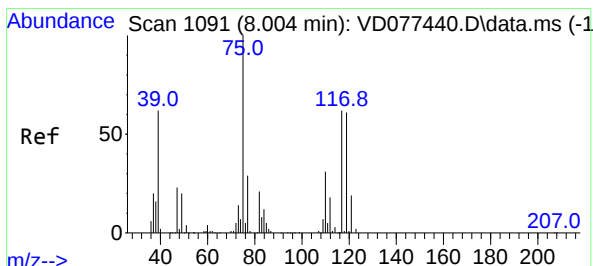
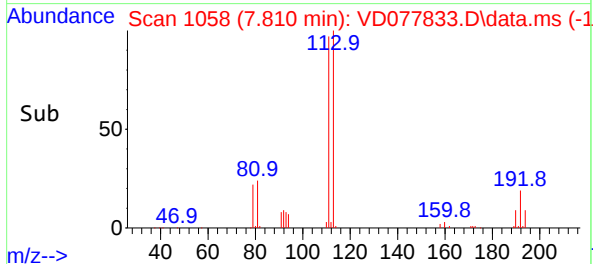
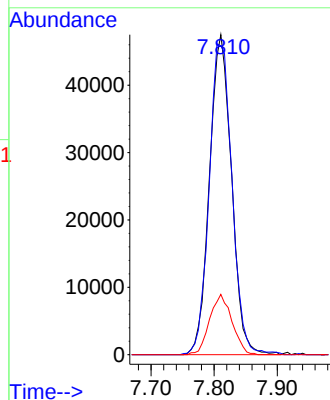
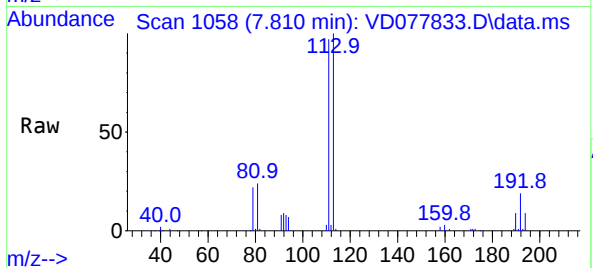




#35
Dibromofluoromethane
Concen: 44.275 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

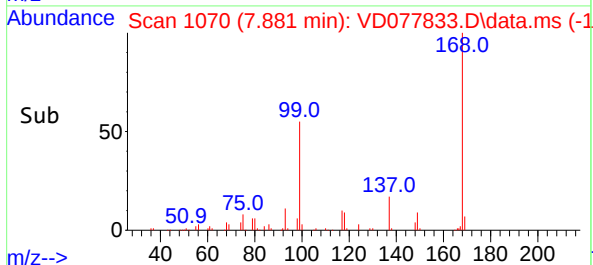
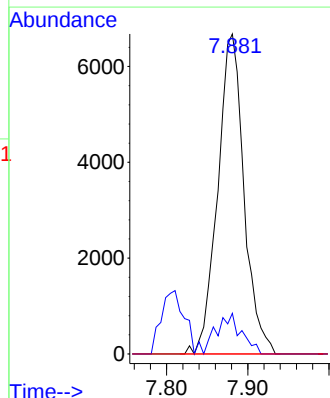
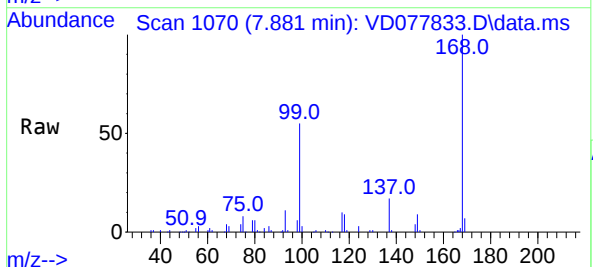
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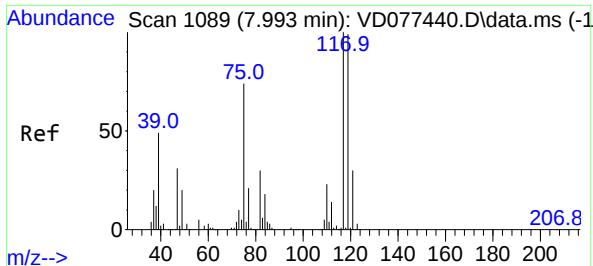
Tgt Ion:113 Resp: 115058
Ion Ratio Lower Upper
113 100
111 101.3 84.7 127.1
192 19.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.607 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 75 Resp: 14995
Ion Ratio Lower Upper
75 100
110 11.9 19.9 59.6#
77 0.0 24.7 37.1#

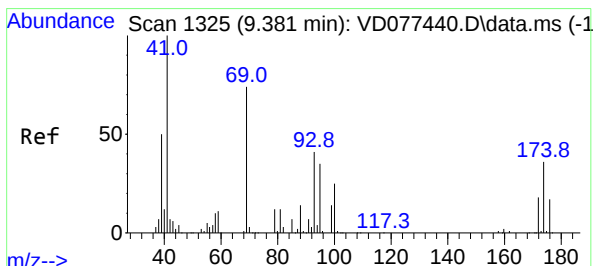
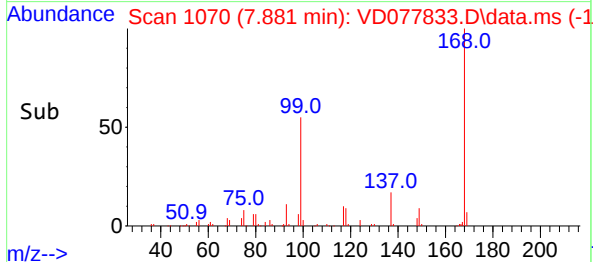
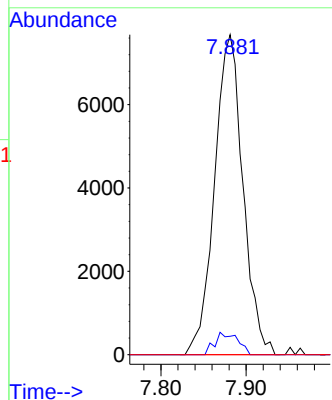
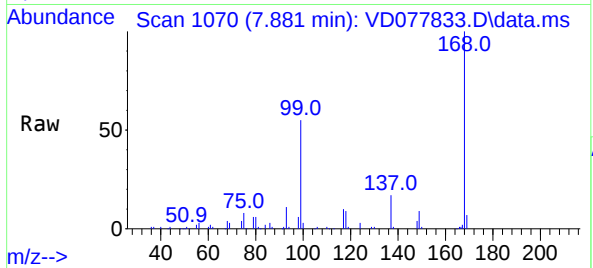




#38
Carbon Tetrachloride
Concen: 4.292 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

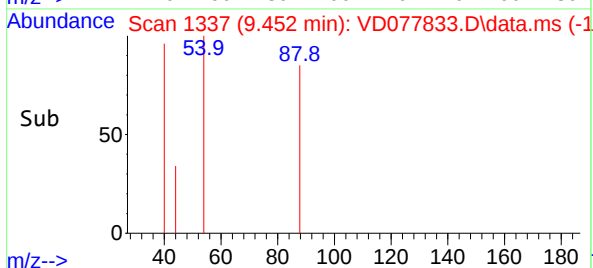
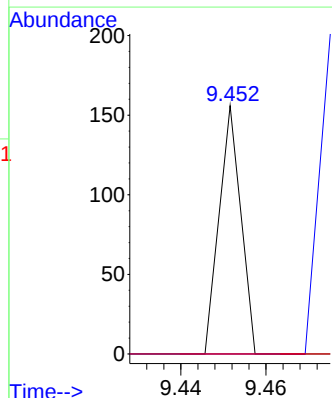
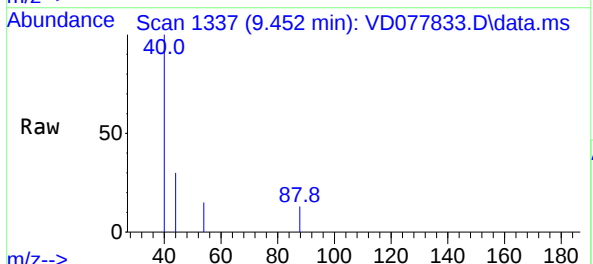
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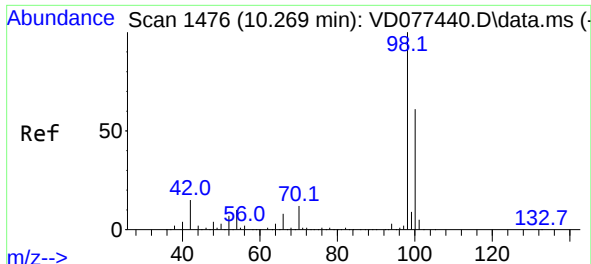
Tgt Ion:117 Resp: 17788
Ion Ratio Lower Upper
117 100
119 5.8 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 3.650 ug/l
RT: 9.452 min Scan# 1337
Delta R.T. 0.071 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#

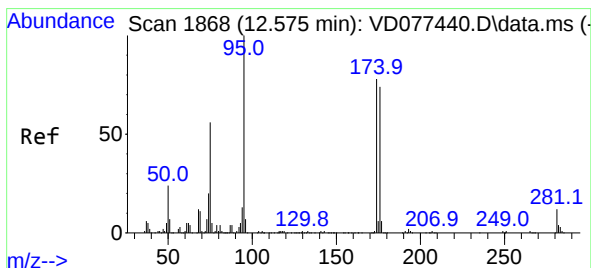
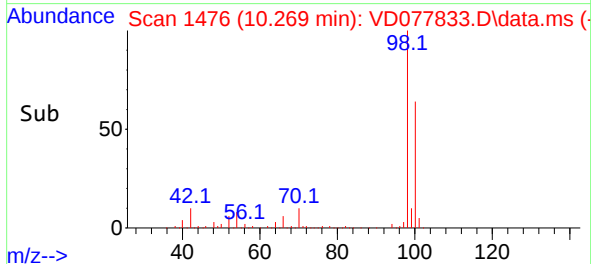
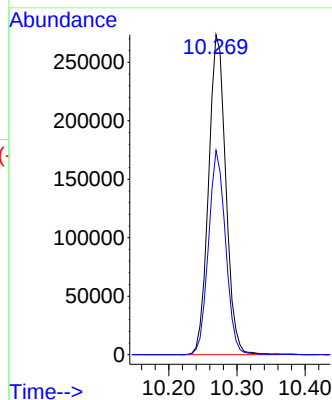
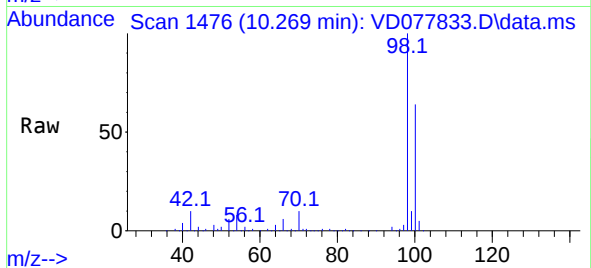




#50
Toluene-d8
Concen: 46.296 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

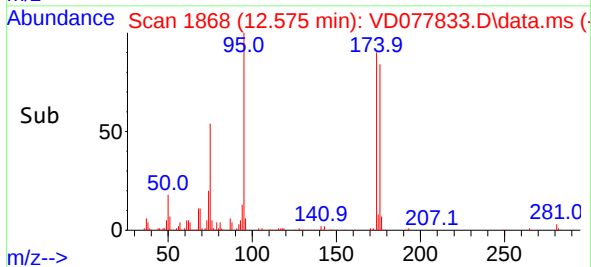
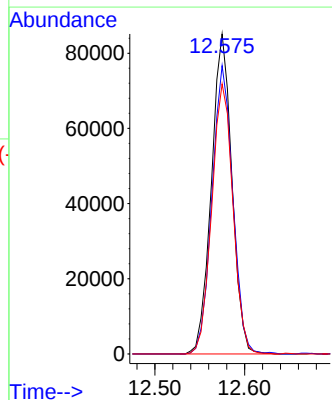
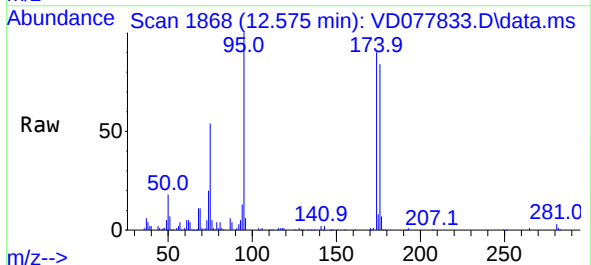
Instrument :
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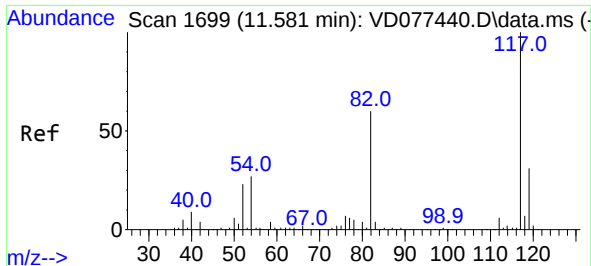
Tgt Ion: 98 Resp: 481867
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 95 Resp: 135009
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 87.0 0.0 191.8

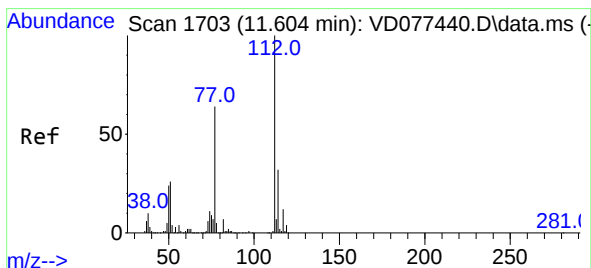
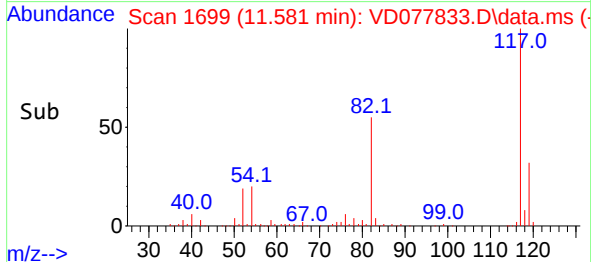
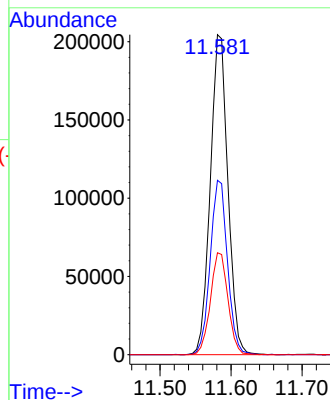
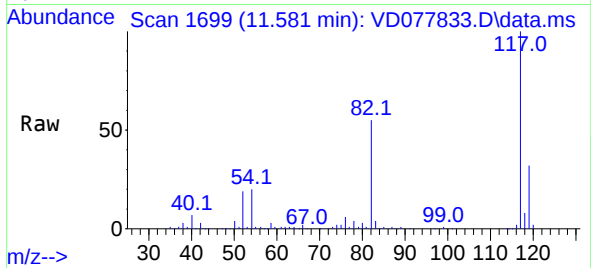




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

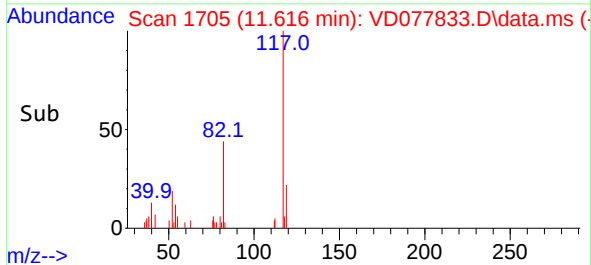
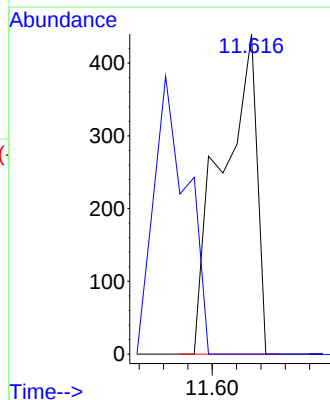
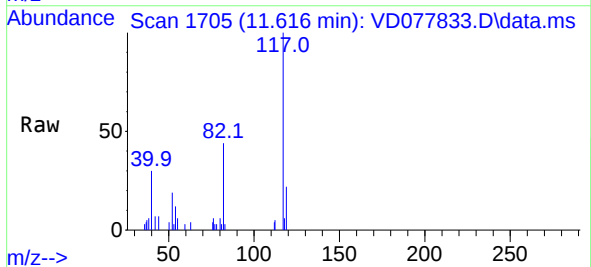
Instrument :
MSVOA_D
ClientSampleId :
VD1213

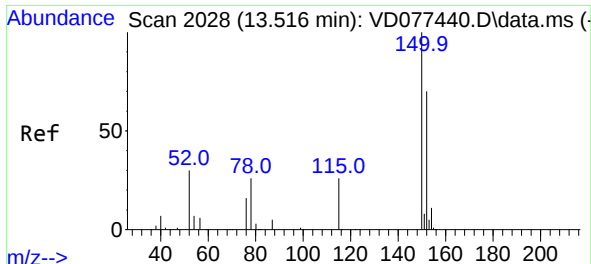
Tgt Ion:117 Resp: 351291
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 31.8 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion:112 Resp: 441
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

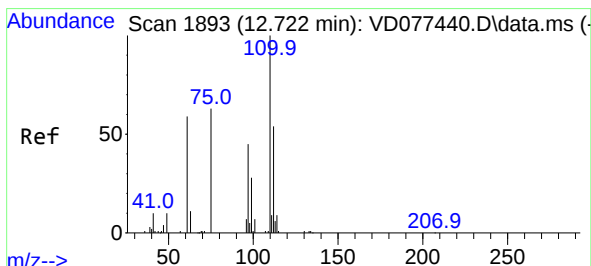
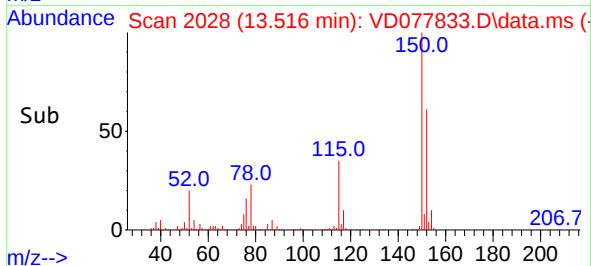
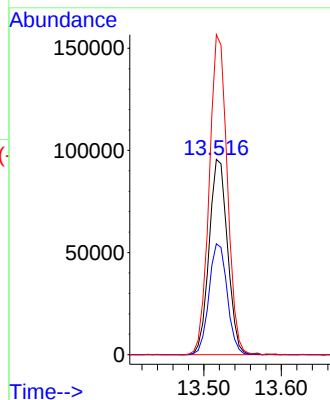
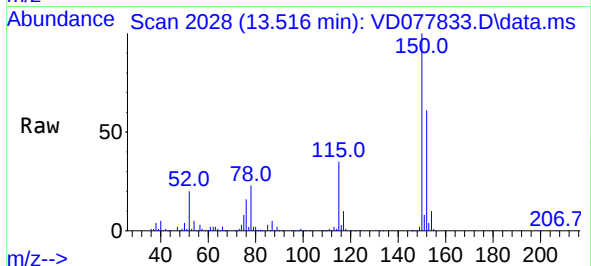




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

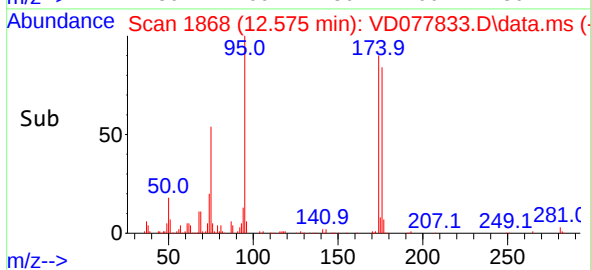
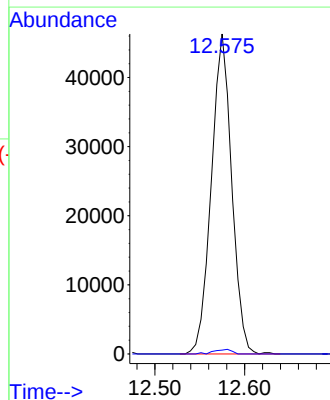
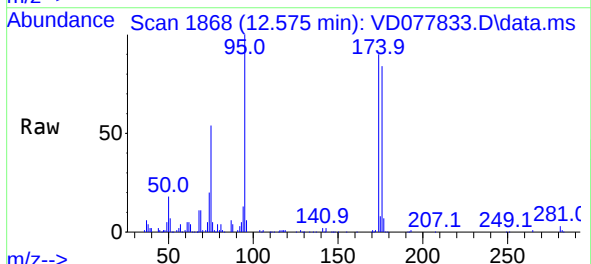
Instrument :
MSVOA_D
ClientSampleId :
VD1213

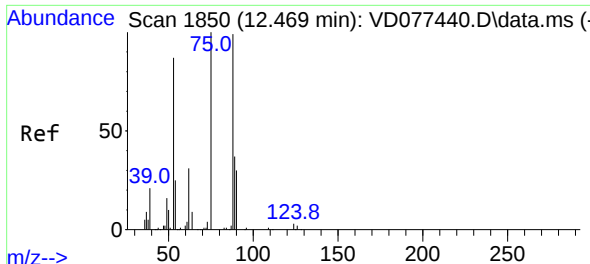
Tgt Ion:152 Resp: 158895
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 159.8 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 52.923 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 75 Resp: 73034
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

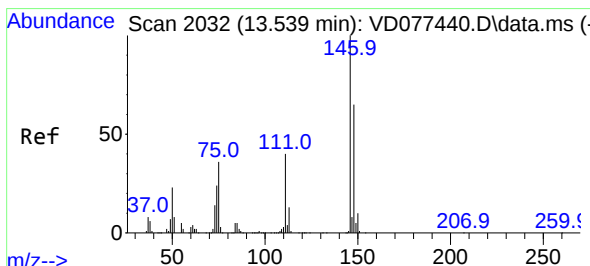
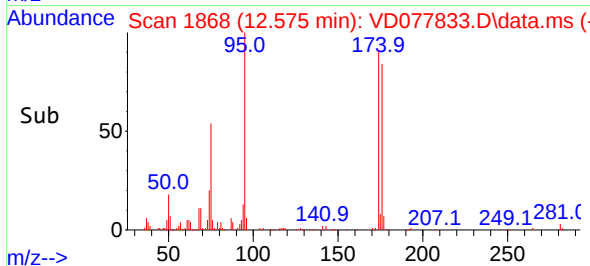
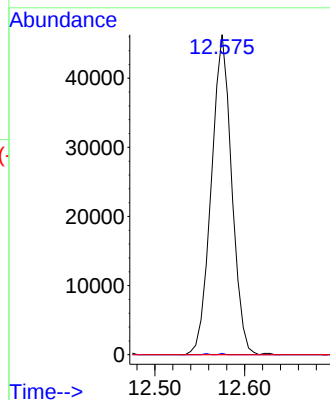
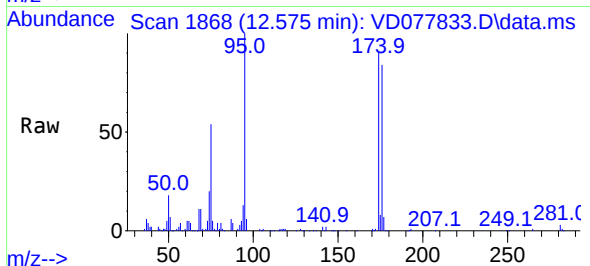




#81
trans-1,4-Dichloro-2-butene
Concen: 107.225 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Instrument :
MSVOA_D
ClientSampleId :
VD1213

Tgt Ion: 75 Resp: 73034
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 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: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 146 Resp: 220
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

