

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077421.D
 Acq On : 25 Oct 2023 18:23
 Operator : JC/SY
 Sample : 05005-01RE
 Misc : 5.78G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 07:02:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

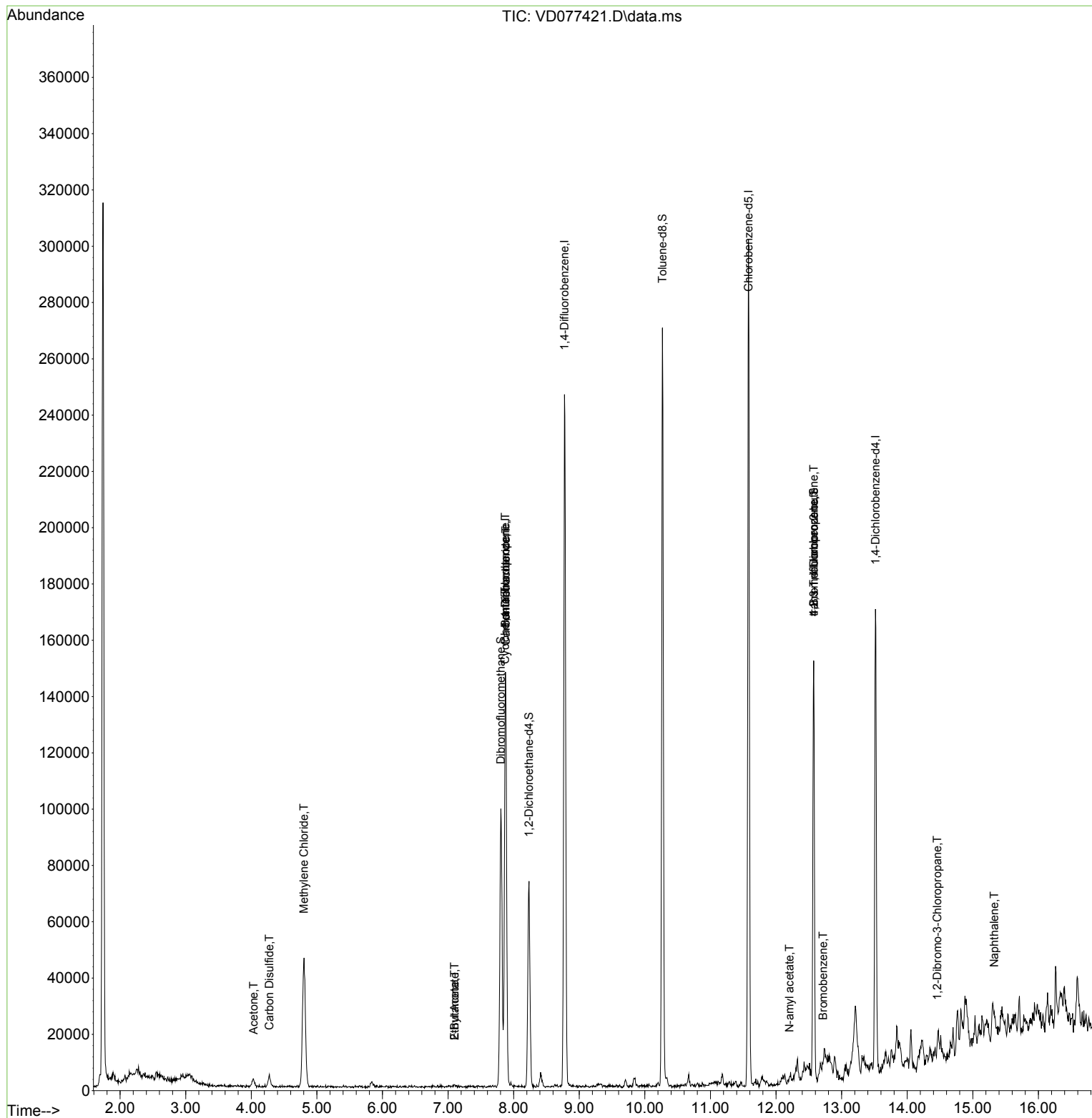
Internal Standards						
1) Pentafluorobenzene	7.875	168	119025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	233767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	49430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	55170	51.909	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.820%	
35) Dibromofluoromethane	7.804	113	72564	44.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.360%	
50) Toluene-d8	10.269	98	195373	33.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 66.440%	
62) 4-Bromofluorobenzene	12.575	95	47097	27.817	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 55.640%	
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	4521	19.398	ug/l	92
17) Carbon Disulfide	4.275	76	8465	2.101	ug/l #	87
20) Methylene Chloride	4.805	84	38802	25.135	ug/l	91
25) 2-Butanone	7.099	43	1229	5.083	ug/l #	37
31) Cyclohexane	7.869	56	2156	1.304	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	8724	4.043	ug/l #	45
37) Ethyl Acetate	7.099	43	1229	1.813	ug/l #	62
38) Carbon Tetrachloride	7.881	117	11757	4.898	ug/l #	11
74) N-amyl acetate	12.204	43	555	1.180	ug/l #	55
76) 1,2,3-Trichloropropane	12.575	75	23749	36.191	ug/l #	100
77) Bromobenzene	12.716	156	3447	4.016	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	23749	128.740	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.457	75	215	2.957	ug/l #	10
95) Naphthalene	15.328	128	8300	5.171	ug/l	98

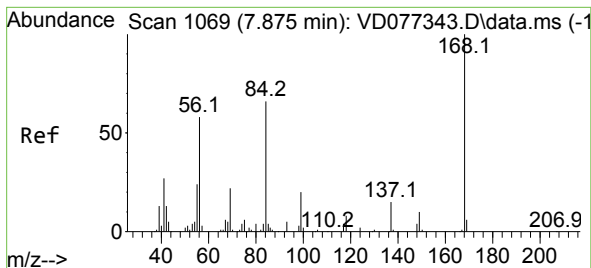
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 07:02:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077421.D

Acq: 25 Oct 2023 18:23

Instrument :

MSVOA_D

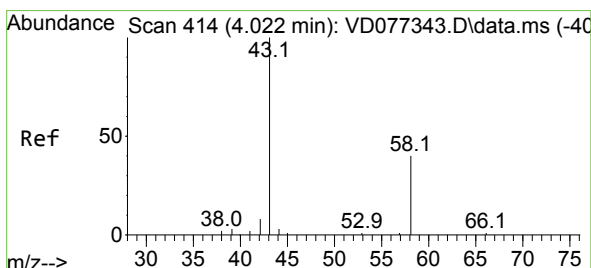
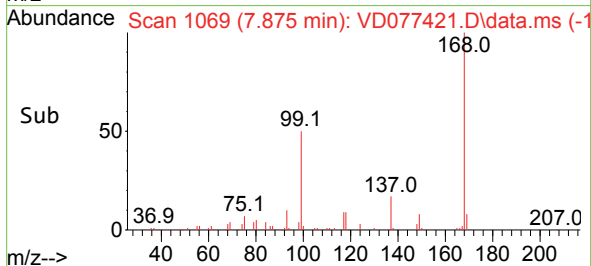
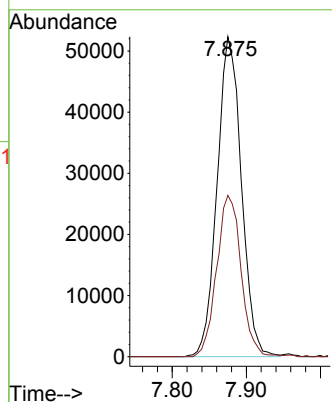
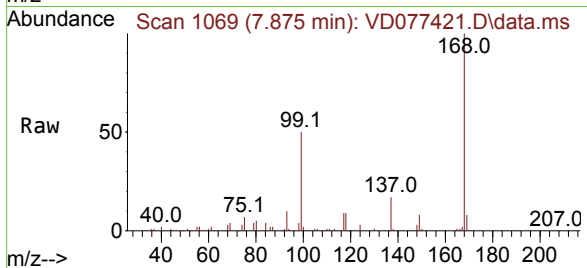
ClientSampleId :

Tgt Ion:168 Resp: 119025

Ion Ratio Lower Upper

168 100

99 50.4 36.7 55.1



#16

Acetone

Concen: 19.398 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD077421.D

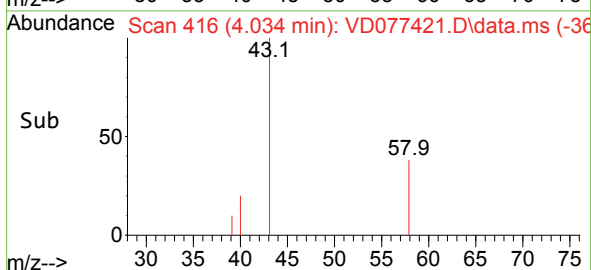
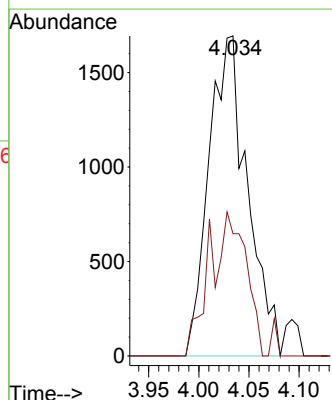
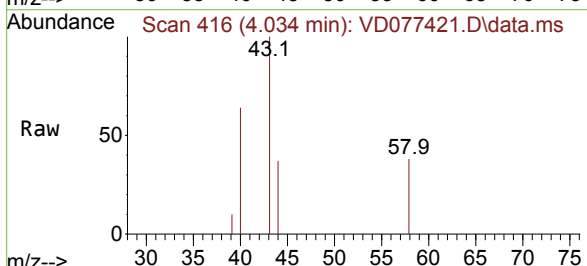
Acq: 25 Oct 2023 18:23

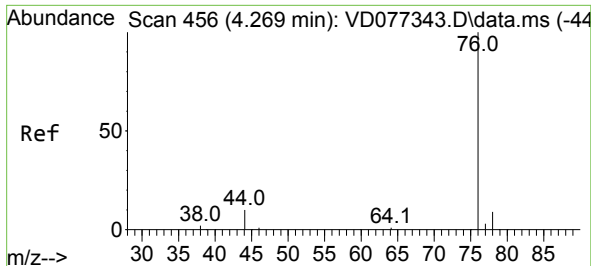
Tgt Ion: 43 Resp: 4521

Ion Ratio Lower Upper

43 100

58 38.2 34.7 52.1

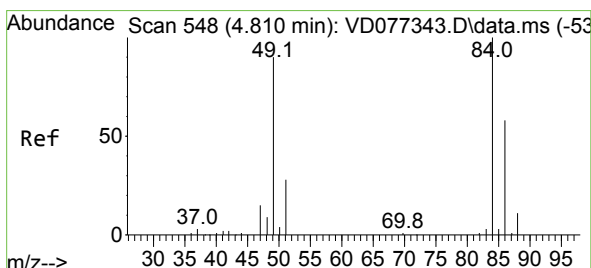
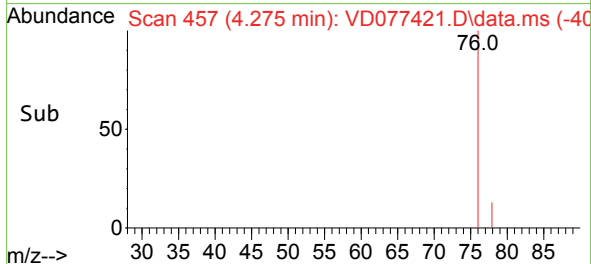
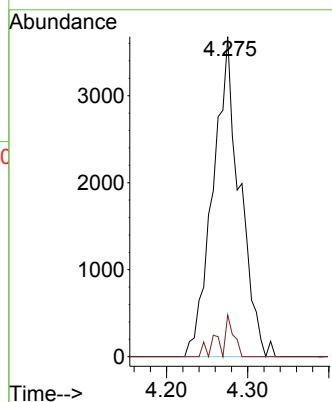
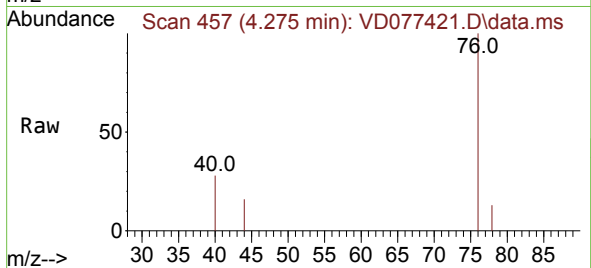




#17
Carbon Disulfide
Concen: 2.101 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

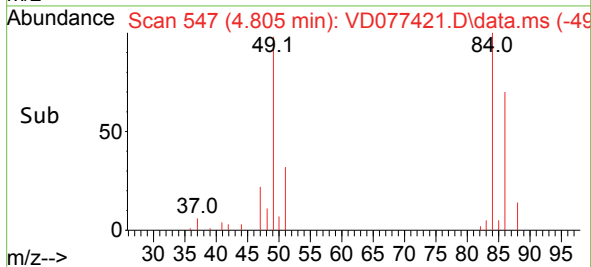
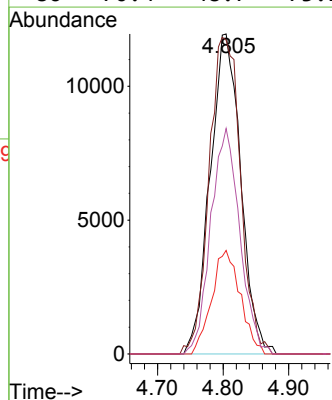
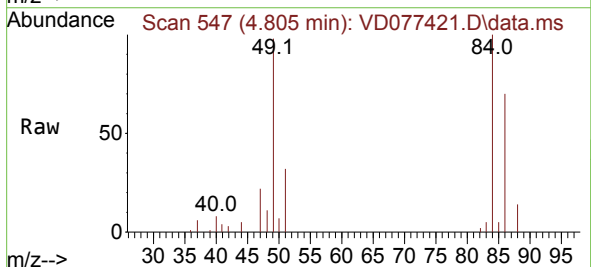
Instrument :
MSVOA_D
ClientSampleId :

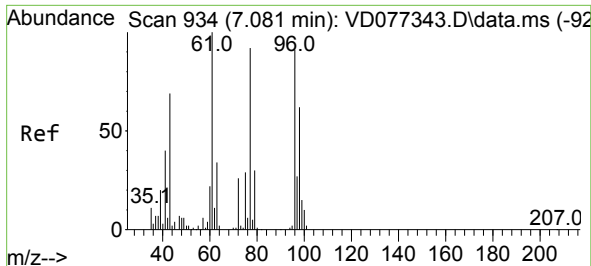
Tgt Ion: 76 Resp: 8465
Ion Ratio Lower Upper
76 100
78 13.1 6.8 10.2#



#20
Methylene Chloride
Concen: 25.135 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

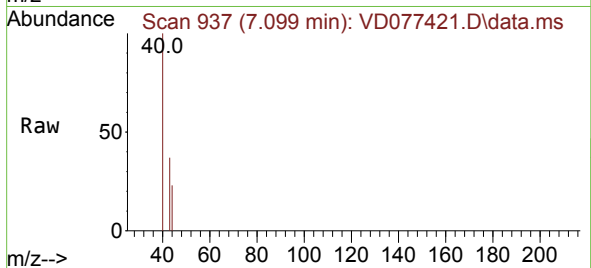
Tgt Ion: 84 Resp: 38802
Ion Ratio Lower Upper
84 100
49 98.1 71.4 107.2
51 32.3 24.5 36.7
86 70.4 48.7 73.1



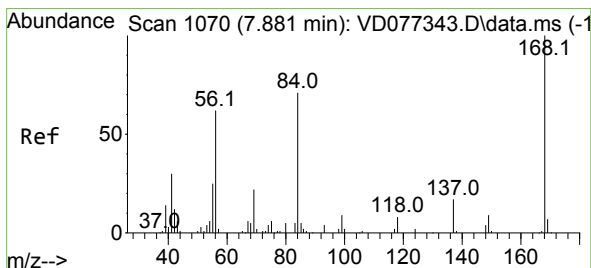
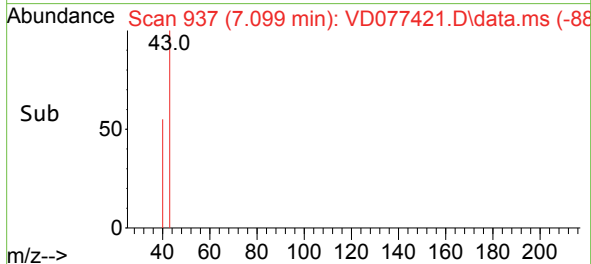
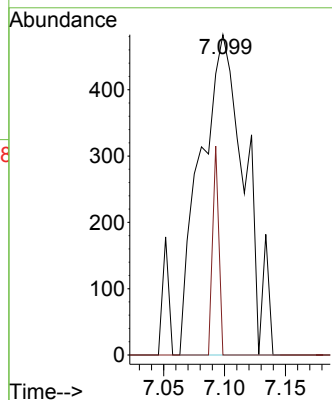


#25
2-Butanone
Concen: 5.083 ug/l
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Instrument :
MSVOA_D
ClientSampleId :

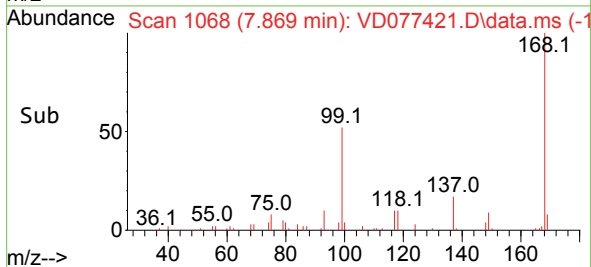
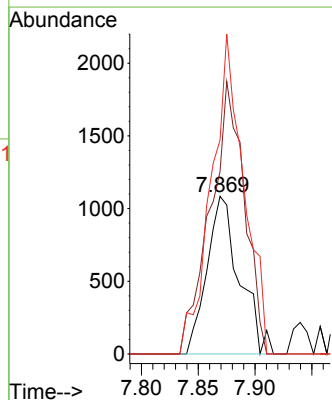
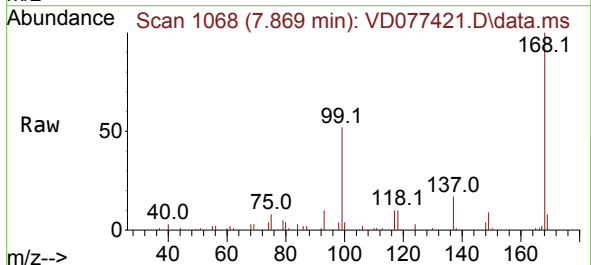


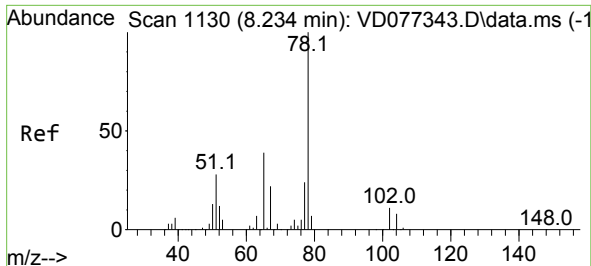
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Tgt Ion: 56 Resp: 2156
Ion Ratio Lower Upper
56 100
69 115.8 28.6 43.0#
84 135.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 51.909 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077421.D

Acq: 25 Oct 2023 18:23

Instrument :

MSVOA_D

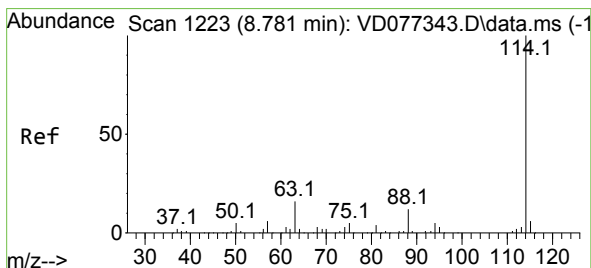
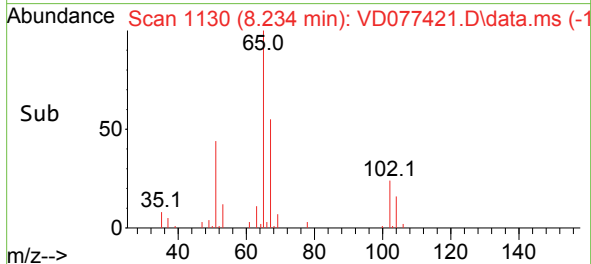
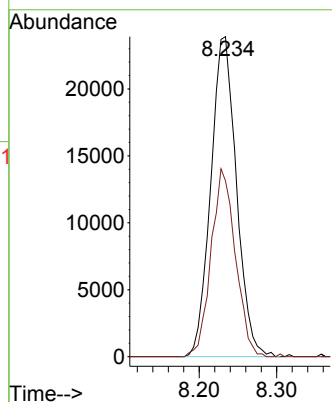
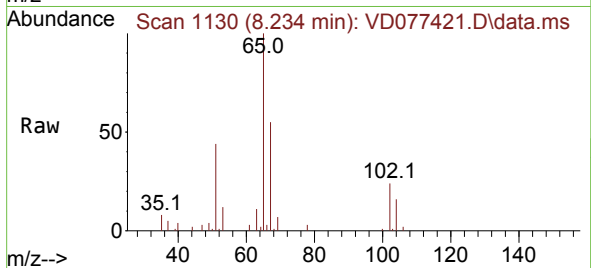
ClientSampleId :

Tgt Ion: 65 Resp: 55170

Ion Ratio Lower Upper

65 100

67 55.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077421.D

Acq: 25 Oct 2023 18:23

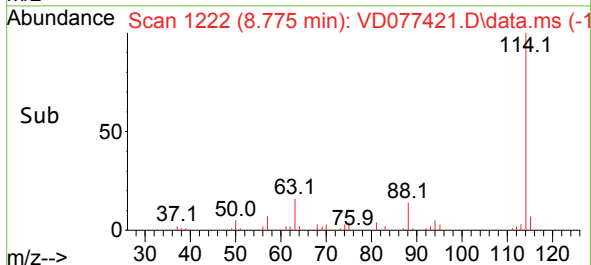
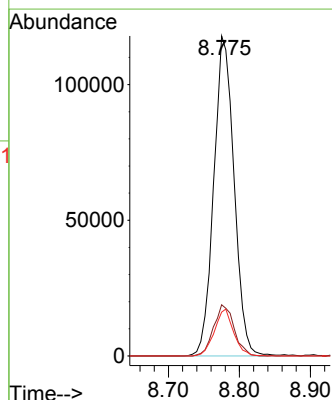
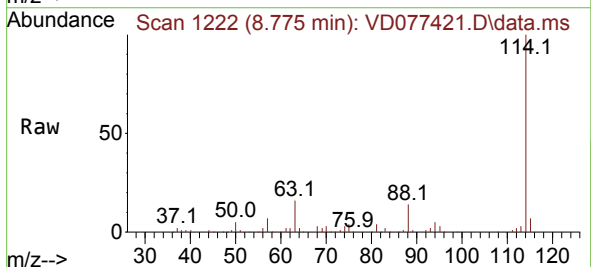
Tgt Ion: 114 Resp: 233767

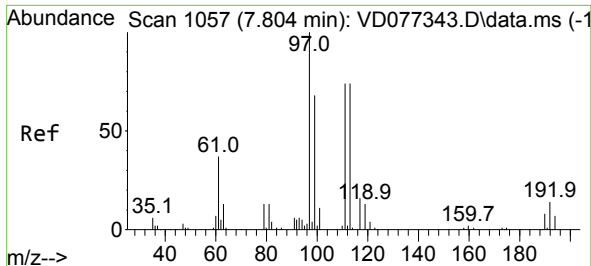
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

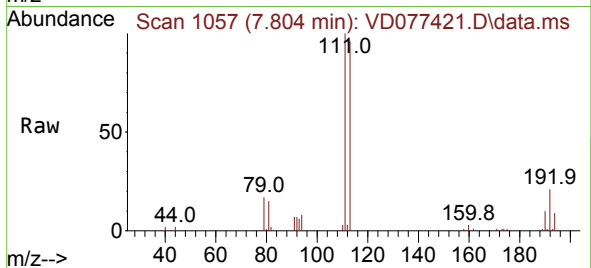
88 13.7 0.0 26.2



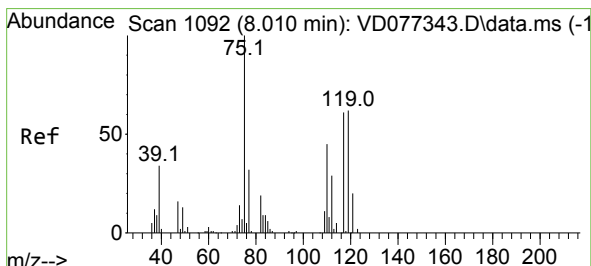
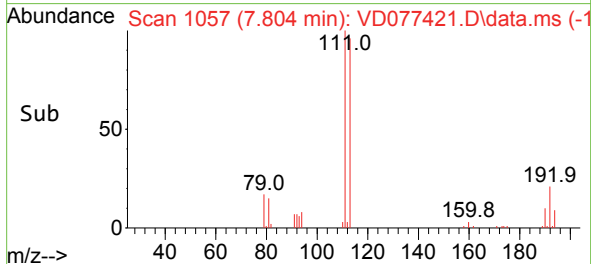
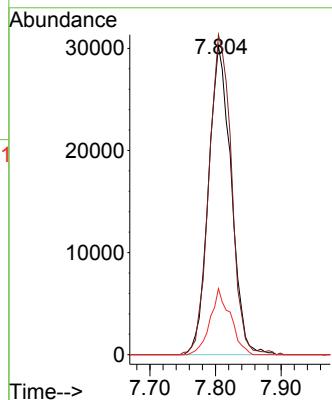


#35
Dibromofluoromethane
Concen: 44.184 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Instrument :
MSVOA_D
ClientSampleId :

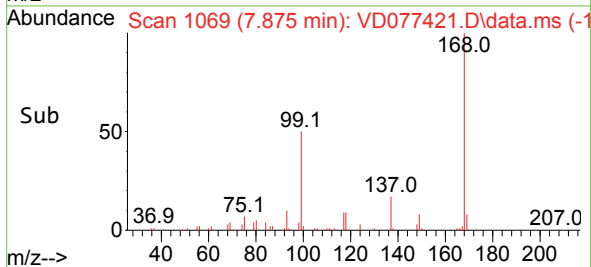
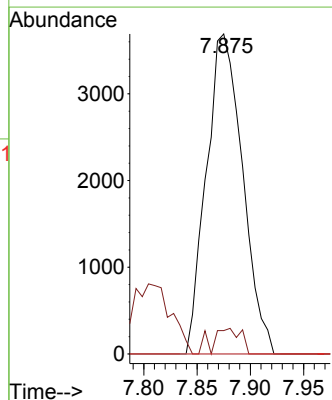
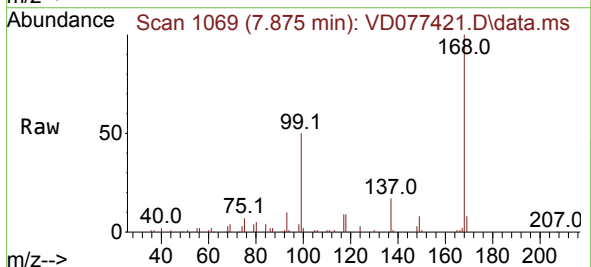


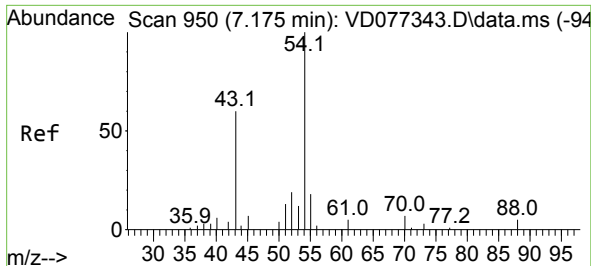
Tgt Ion:113 Resp: 72564
Ion Ratio Lower Upper
113 100
111 103.3 84.7 127.1
192 19.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.043 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

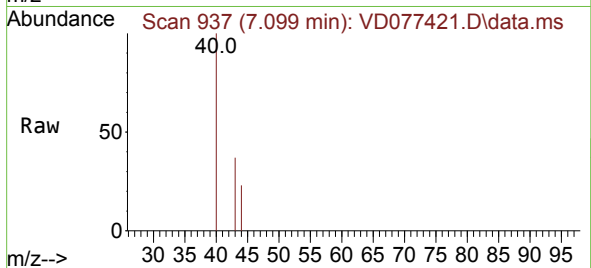
Tgt Ion: 75 Resp: 8724
Ion Ratio Lower Upper
75 100
110 6.4 19.9 59.6#
77 0.0 24.7 37.1#



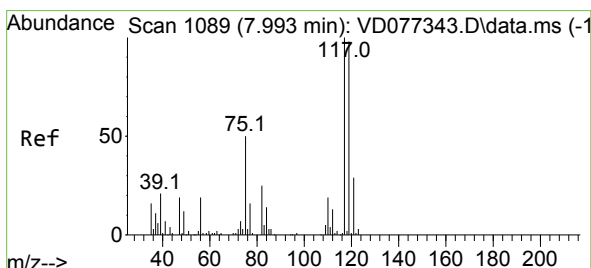
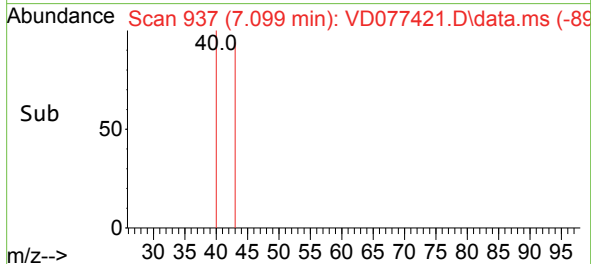
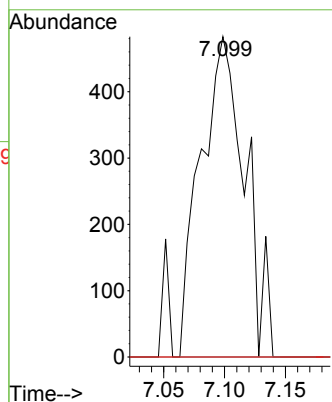


#37
Ethyl Acetate
Concen: 1.813 ug/l
RT: 7.099 min Scan# 91
Delta R.T. -0.076 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Instrument :
MSVOA_D
ClientSampleId :

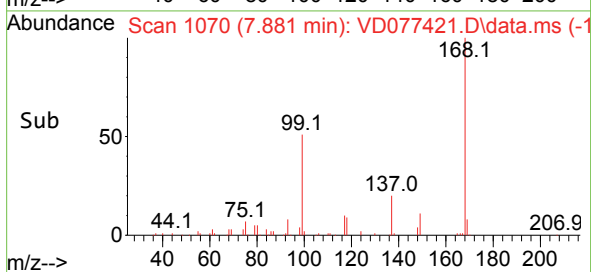
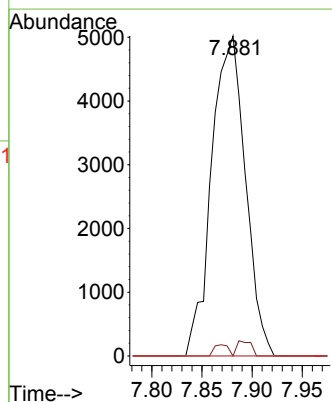
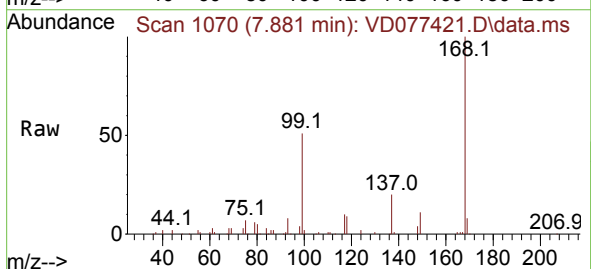


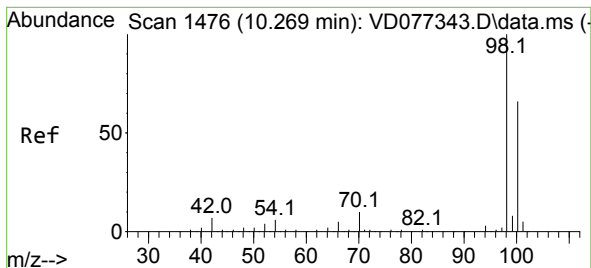
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 4.898 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Tgt Ion: 117 Resp: 11757
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#

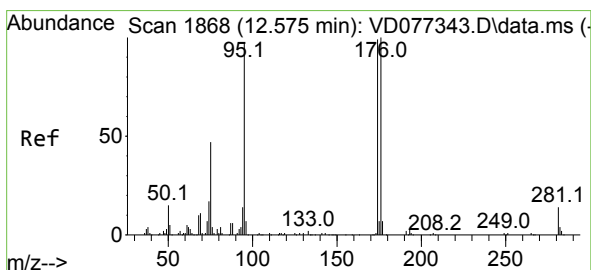
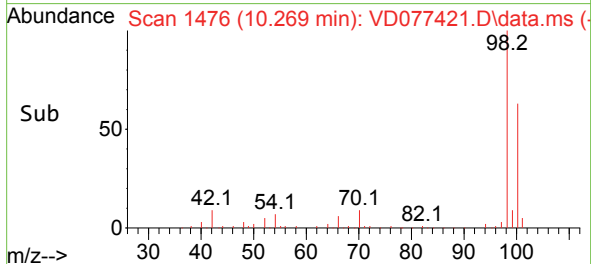
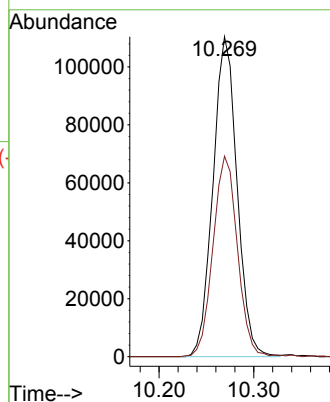
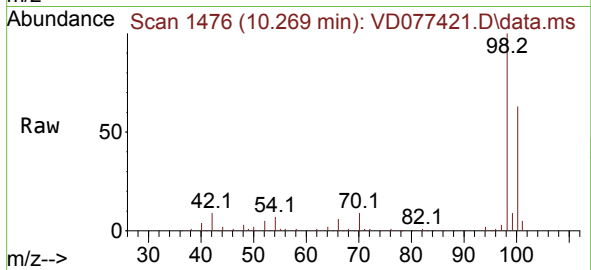




#50
Toluene-d8
Concen: 33.217 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

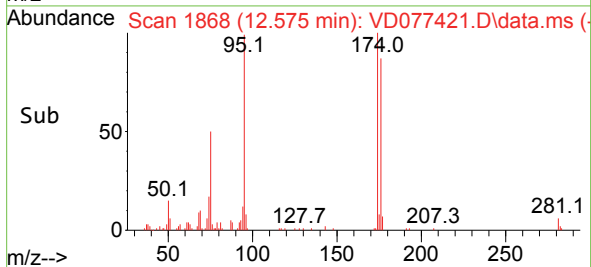
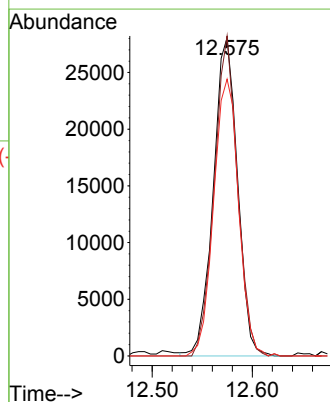
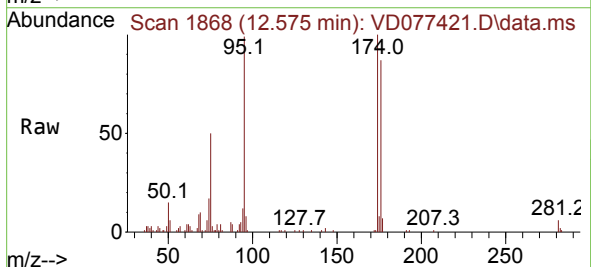
Instrument :
MSVOA_D
ClientSampleId :

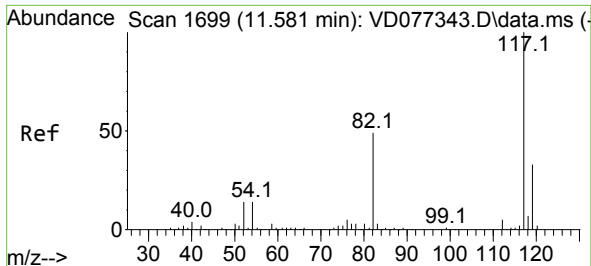
Tgt Ion: 98 Resp: 195373
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 27.817 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

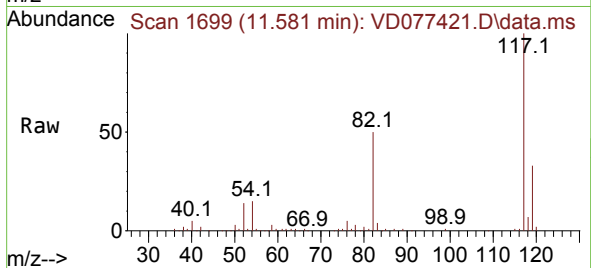
Tgt Ion: 95 Resp: 47097
Ion Ratio Lower Upper
95 100
174 95.7 0.0 201.8
176 89.6 0.0 191.8



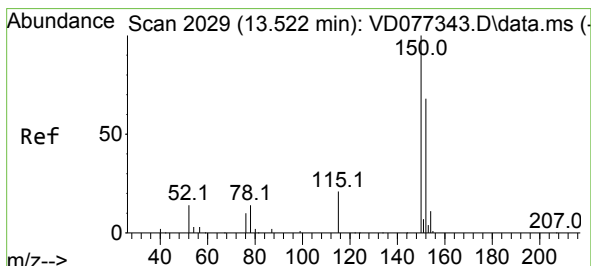
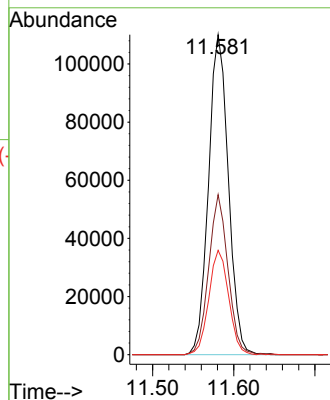
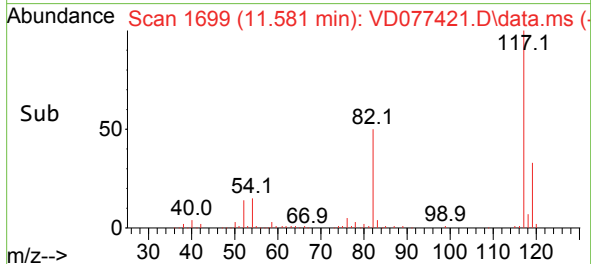


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

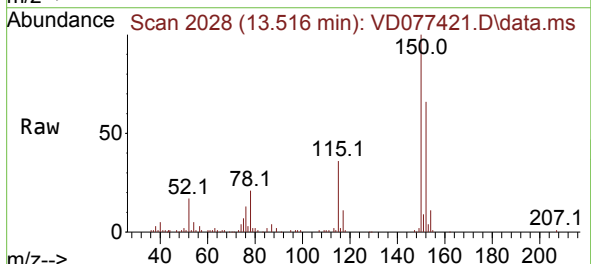
Instrument :
MSVOA_D
ClientSampleId :



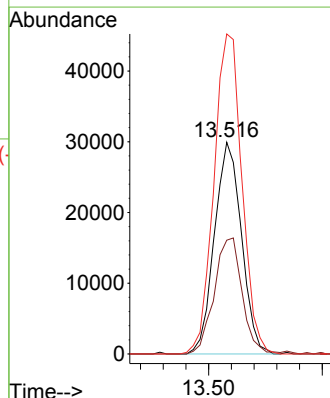
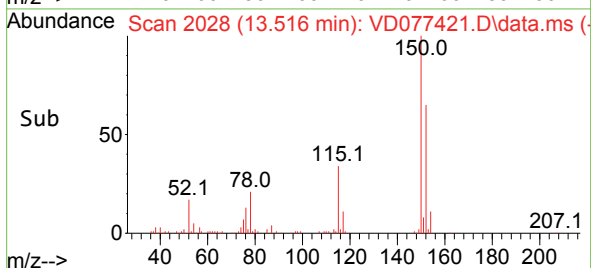
Tgt Ion:117 Resp: 187188
Ion Ratio Lower Upper
117 100
82 50.0 38.3 57.5
119 32.6 25.0 37.4

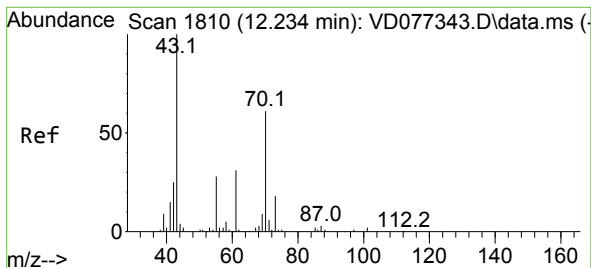


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23



Tgt Ion:152 Resp: 49430
Ion Ratio Lower Upper
152 100
115 57.0 27.1 81.3
150 156.6 0.0 353.6





#74

N-ethyl acetate

Concen: 1.180 ug/l

RT: 12.204 min Scan# 1805

Delta R.T. -0.029 min

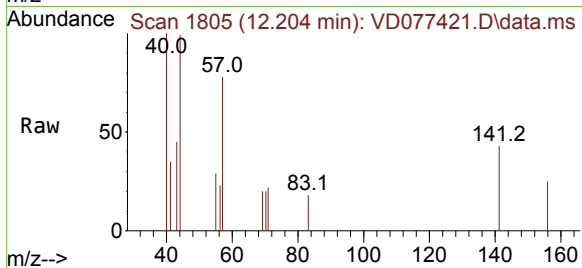
Lab File: VD077421.D

Acq: 25 Oct 2023 18:23

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 555

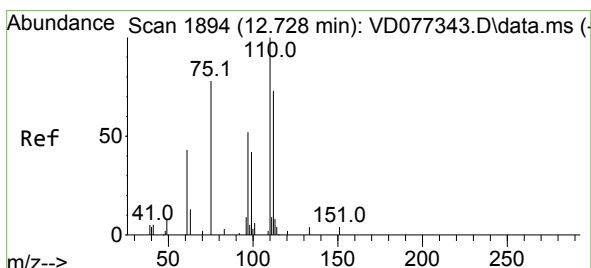
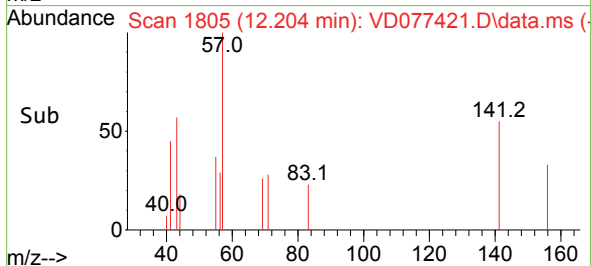
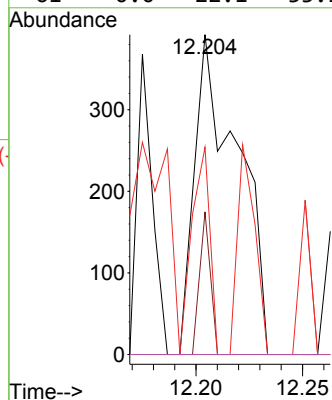
Ion Ratio Lower Upper

43 100

70 11.2 45.0 67.4#

55 27.0 23.8 35.6

61 0.0 22.1 33.1#



#76

1,2,3-Trichloropropane

Concen: 36.191 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077421.D

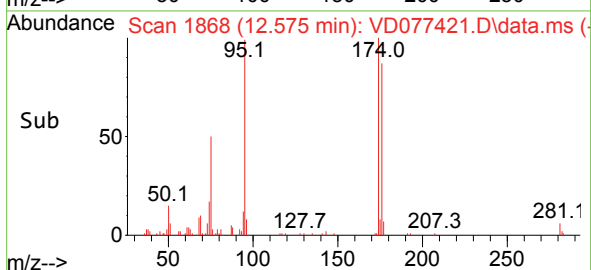
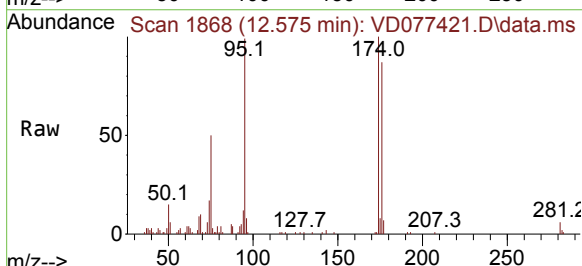
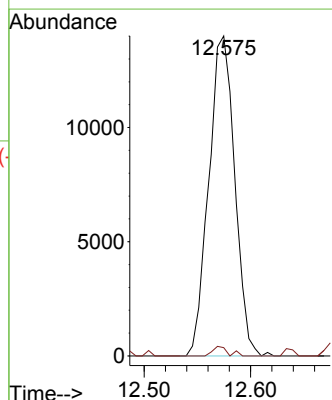
Acq: 25 Oct 2023 18:23

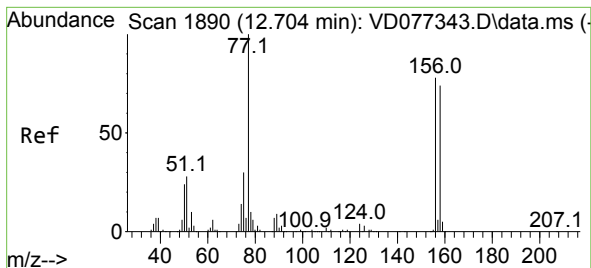
Tgt Ion: 75 Resp: 23749

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#77

Bromobenzene

Concen: 4.016 ug/l

RT: 12.716 min Scan# 1890

Delta R.T. 0.012 min

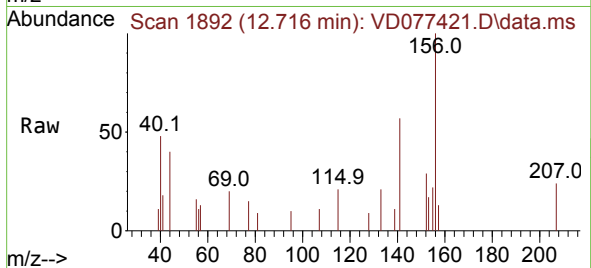
Lab File: VD077421.D

Acq: 25 Oct 2023 18:23

Instrument :

MSVOA_D

ClientSampleId :



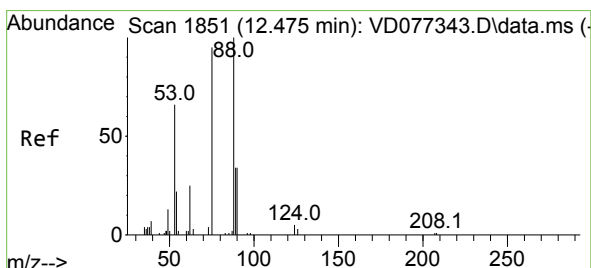
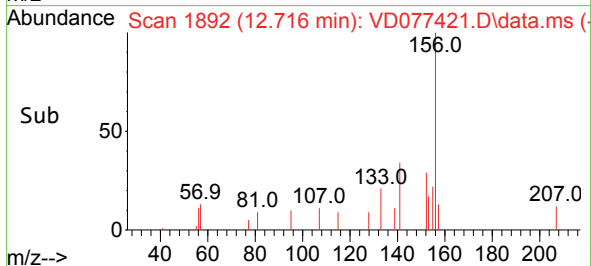
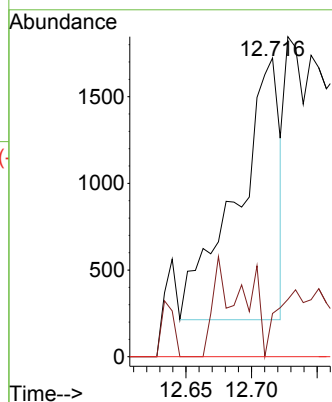
Tgt Ion:156 Resp: 3447

Ion Ratio Lower Upper

156 100

77 12.3 76.8 230.4#

158 0.0 48.6 145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.740 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.100 min

Lab File: VD077421.D

Acq: 25 Oct 2023 18:23

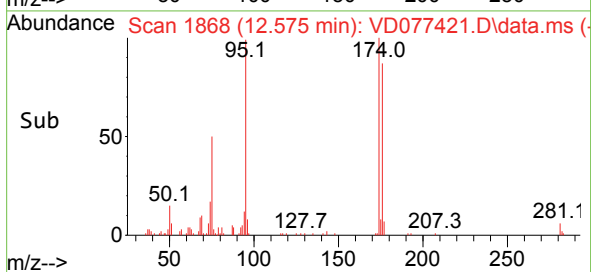
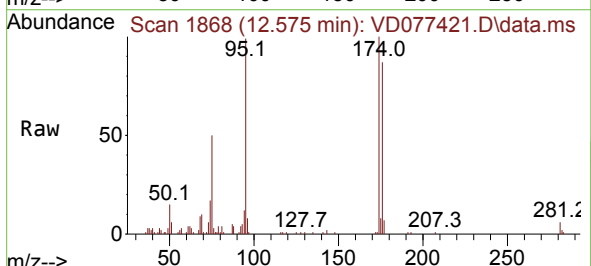
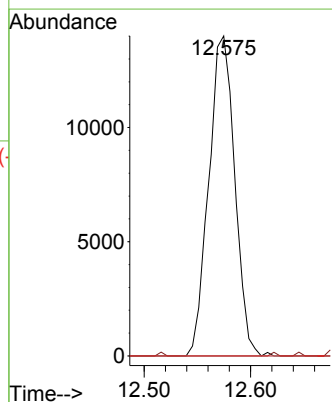
Tgt Ion: 75 Resp: 23749

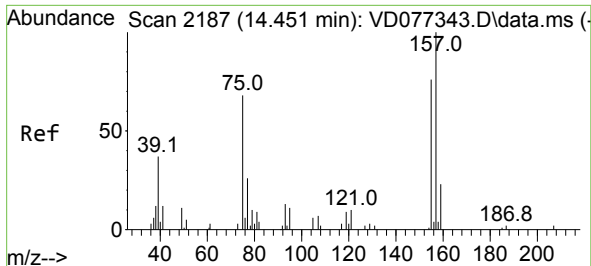
Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

89 0.0 37.9 56.9#

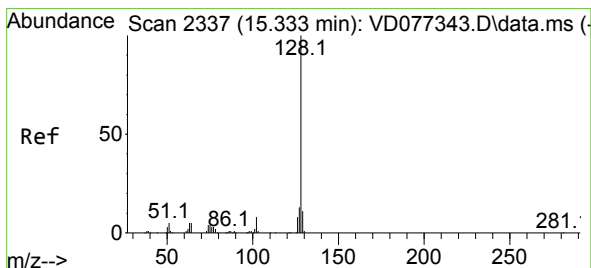
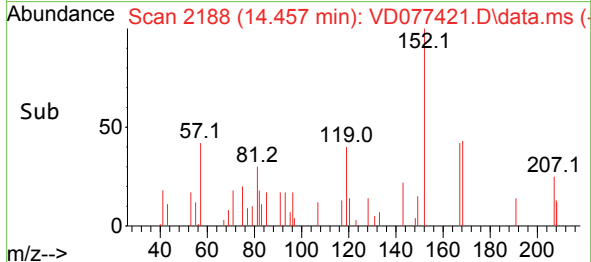
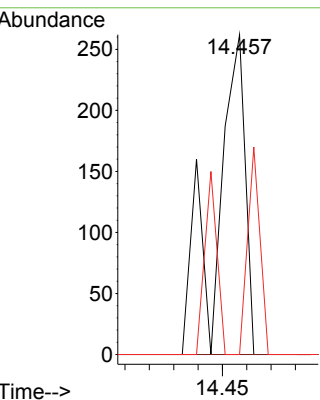
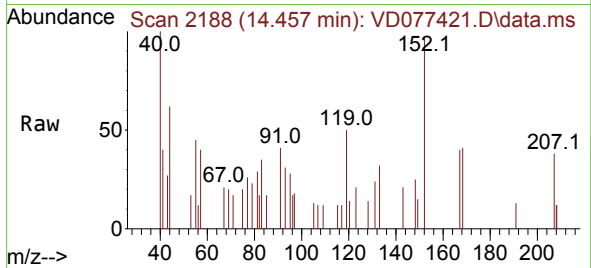




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.957 ug/l
RT: 14.457 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 215
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 27.9 59.9 179.7#



#95
Naphthalene
Concen: 5.171 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD077421.D
Acq: 25 Oct 2023 18:23

Tgt Ion: 128 Resp: 8300
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.6 8.7 13.1

