

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077233.D
 Acq On : 28 Sep 2023 16:55
 Operator : JC/SY
 Sample : 04668-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 29 02:20:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

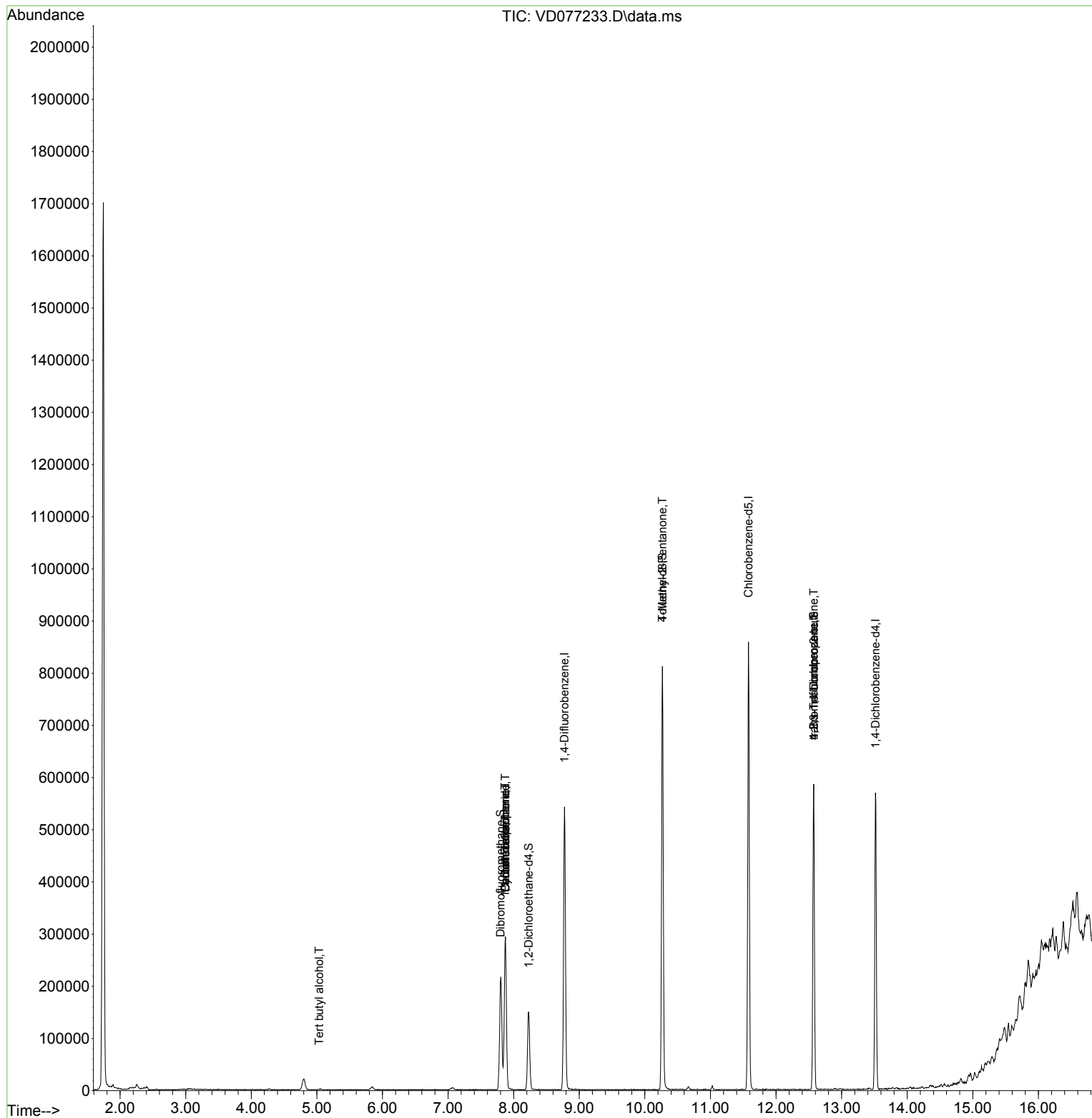
Internal Standards						
1) Pentafluorobenzene	7.875	168	228600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	501468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	512294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	160712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	118205	51.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.480%	
35) Dibromofluoromethane	7.799	113	158696	45.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.120%	
50) Toluene-d8	10.269	98	575011	46.379	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.760%	
62) 4-Bromofluorobenzene	12.575	95	181438	47.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	503	3.824	ug/l #	73
20) Methylene Chloride	4.793	84	16824	Below Cal		97
31) Cyclohexane	7.875	56	4758	1.179	ug/l #	27
36) 1,1-Dichloropropene	7.869	75	17861	3.405	ug/l #	48
38) Carbon Tetrachloride	7.875	117	22307	4.327	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	1967	1.015	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	92090	71.836	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	92090	135.970	ug/l #	17

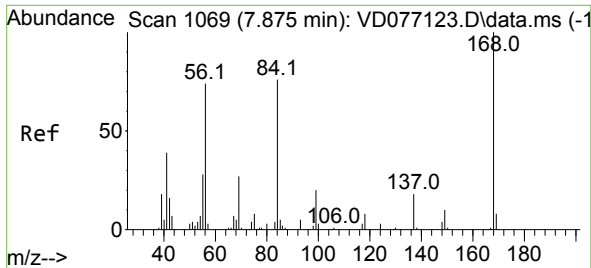
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
Data File : VD077233.D
Acq On : 28 Sep 2023 16:55
Operator : JC/SY
Sample : 04668-05
Misc : 5.04G/5.0ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 29 02:20:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration

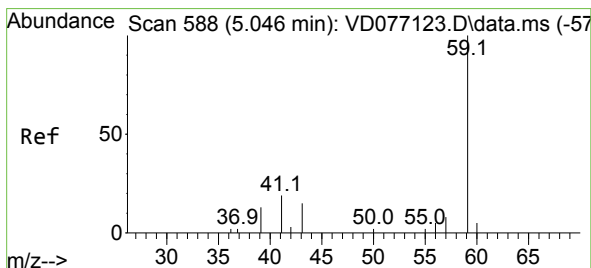
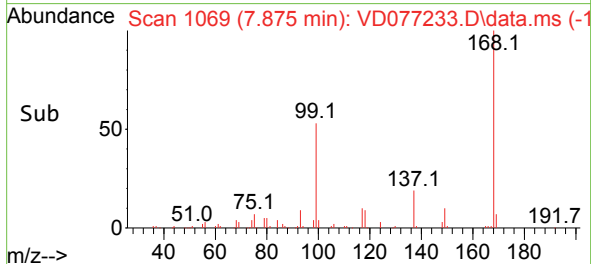
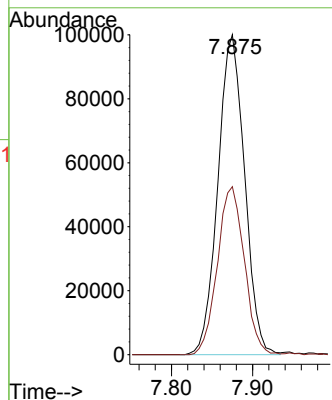
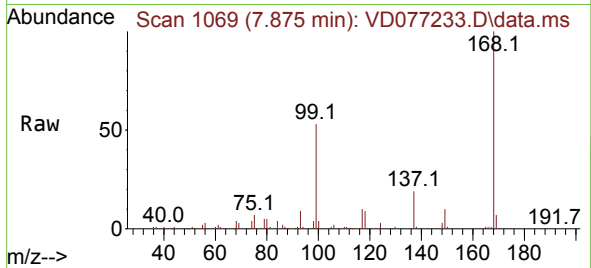




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

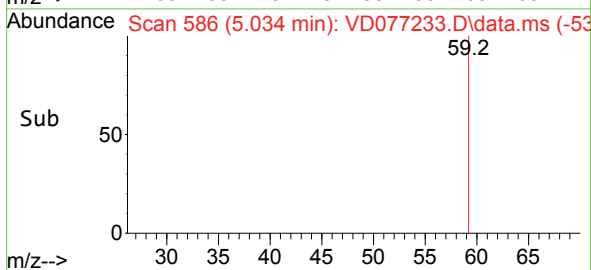
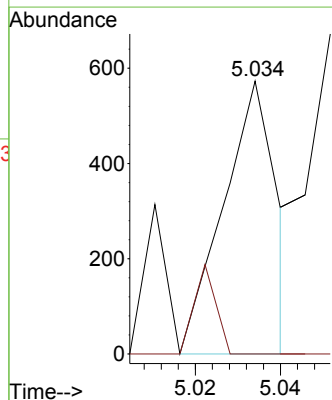
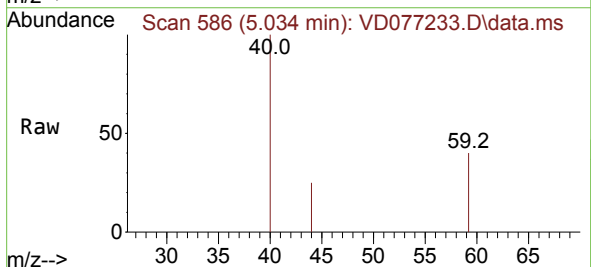
Instrument :
MSVOA_D
ClientSampleId :

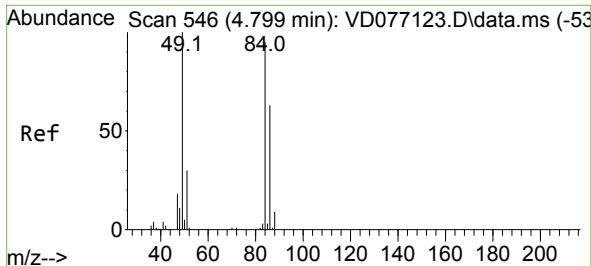
Tgt Ion:168 Resp: 228600
Ion Ratio Lower Upper
168 100
99 52.5 36.7 55.1



#11
Tert butyl alcohol
Concen: 3.824 ug/l
RT: 5.034 min Scan# 586
Delta R.T. -0.012 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

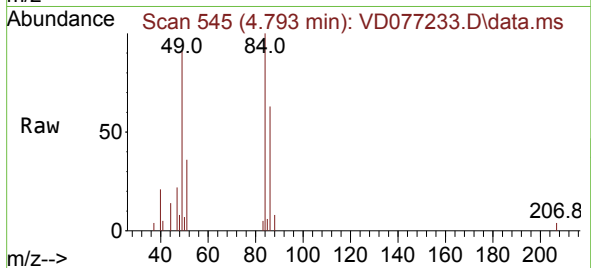
Tgt Ion: 59 Resp: 503
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



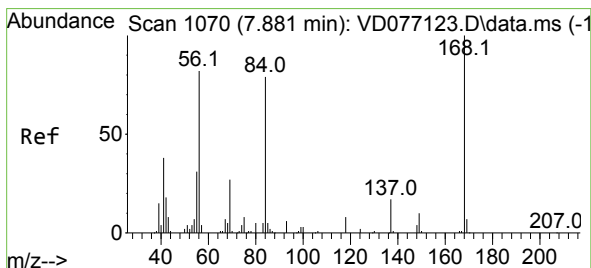
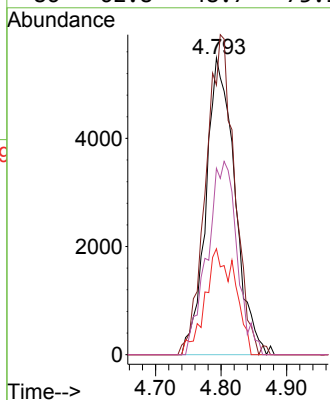
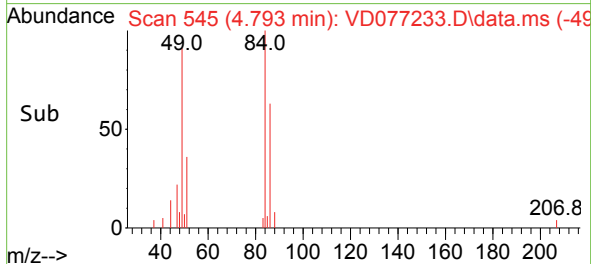


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

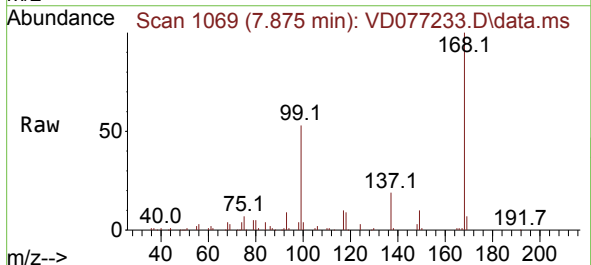
Instrument :
MSVOA_D
ClientSampleId :



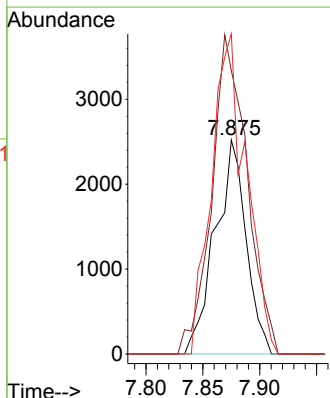
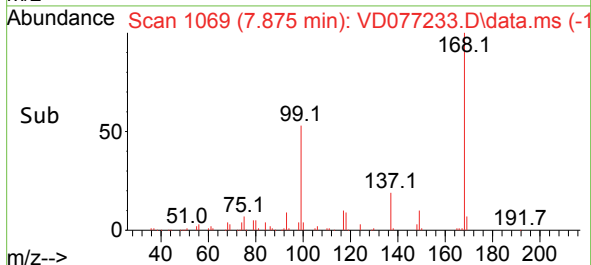
Tgt Ion: 84 Resp: 16824
Ion Ratio Lower Upper
84 100
49 90.8 71.4 107.2
51 35.7 24.5 36.7
86 62.8 48.7 73.1

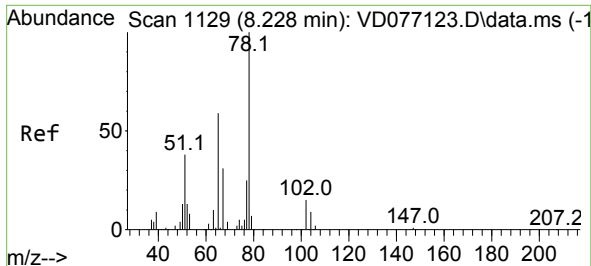


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55



Tgt Ion: 56 Resp: 4758
Ion Ratio Lower Upper
56 100
69 132.4 28.6 43.0#
84 149.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 51.236 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077233.D

Acq: 28 Sep 2023 16:55

Instrument :

MSVOA_D

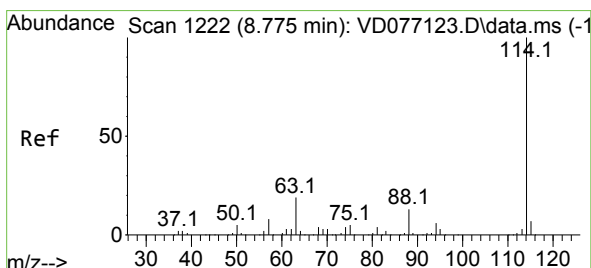
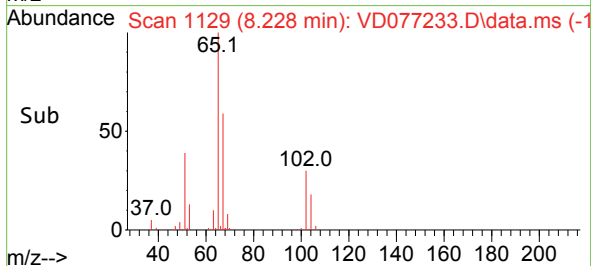
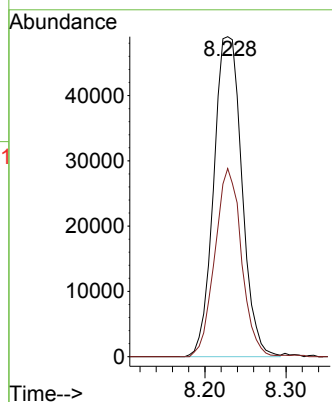
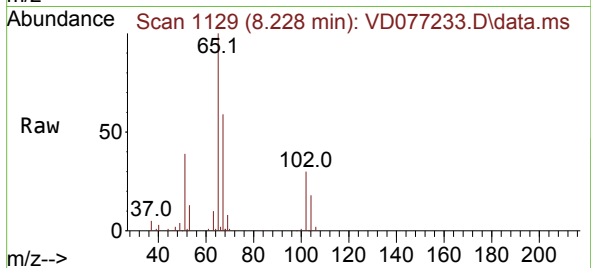
ClientSampleId :

Tgt Ion: 65 Resp: 118205

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. 0.000 min

Lab File: VD077233.D

Acq: 28 Sep 2023 16:55

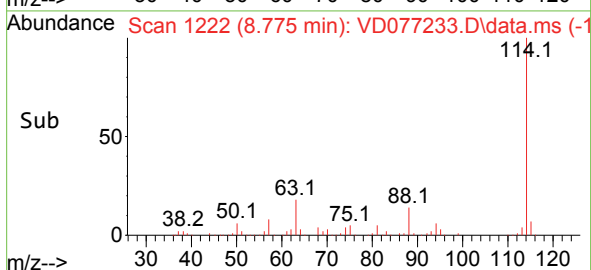
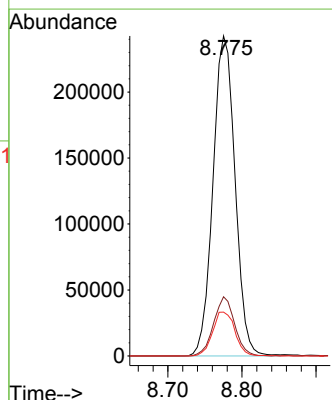
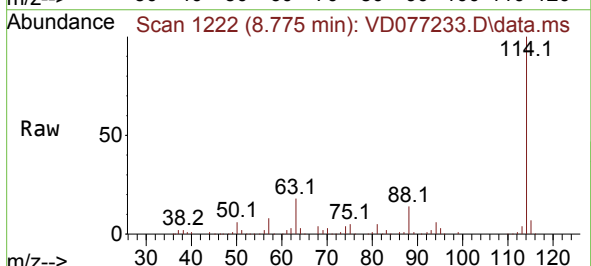
Tgt Ion: 114 Resp: 501468

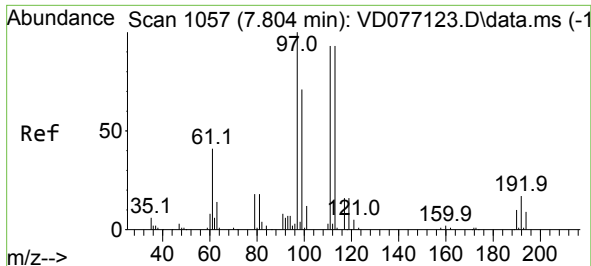
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

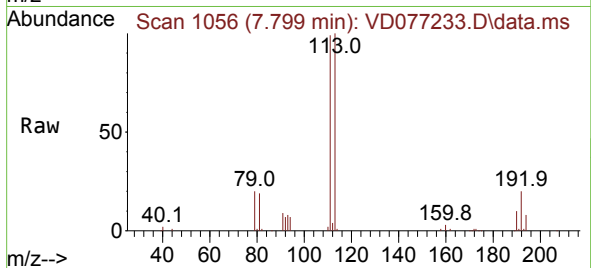
88 13.7 0.0 26.2



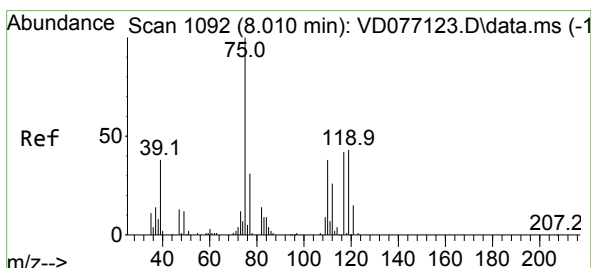
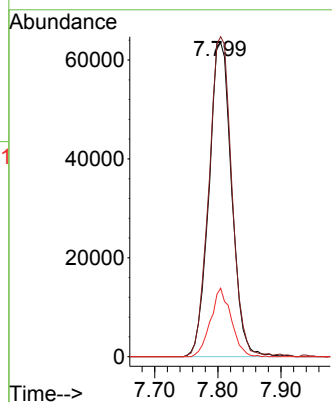
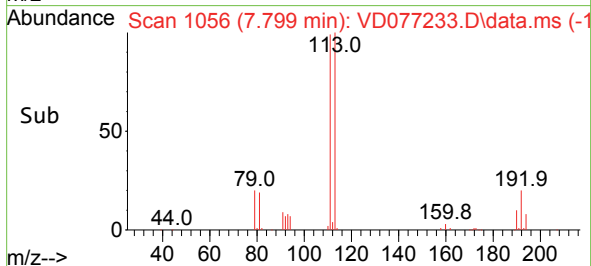


#35
Dibromofluoromethane
Concen: 45.561 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

Instrument :
MSVOA_D
ClientSampleId :

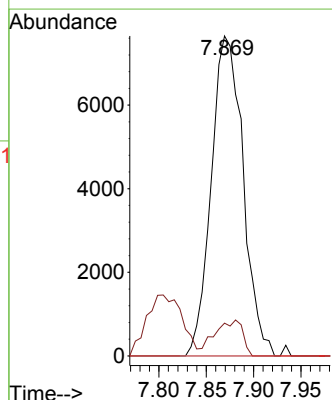
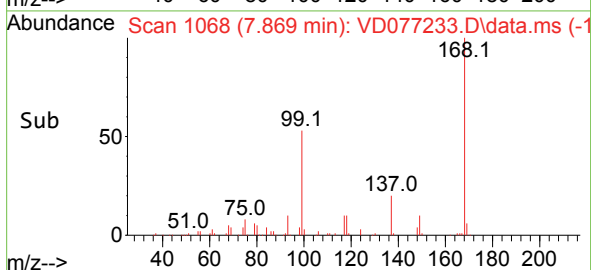
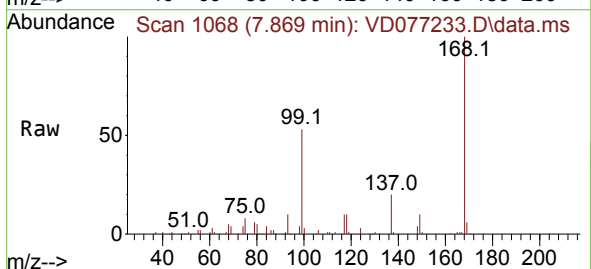


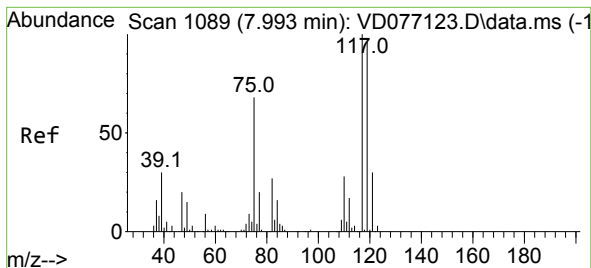
Tgt Ion:113 Resp: 158696
Ion Ratio Lower Upper
113 100
111 102.9 84.7 127.1
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.405 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

Tgt Ion: 75 Resp: 17861
Ion Ratio Lower Upper
75 100
110 10.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.327 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

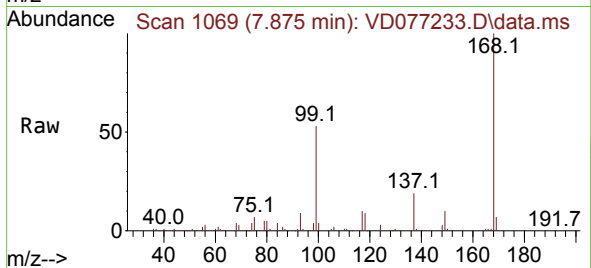
Lab File: VD077233.D

Acq: 28 Sep 2023 16:55

Instrument :

MSVOA_D

ClientSampleId :



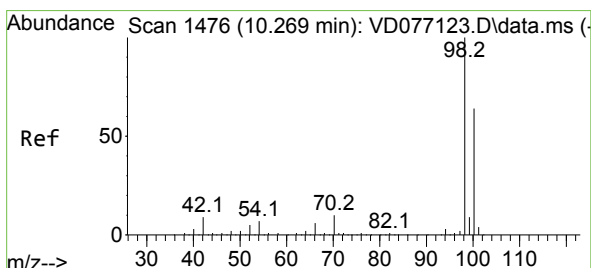
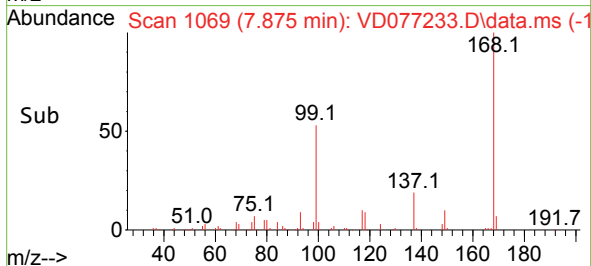
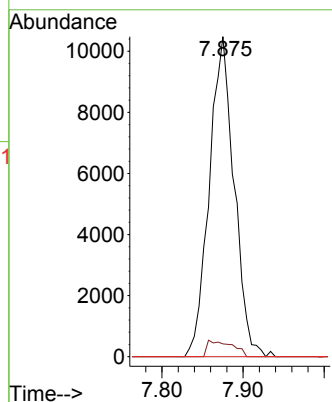
Tgt Ion:117 Resp: 22307

Ion Ratio Lower Upper

117 100

119 4.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.379 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077233.D

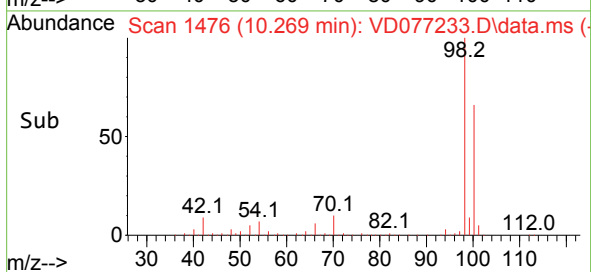
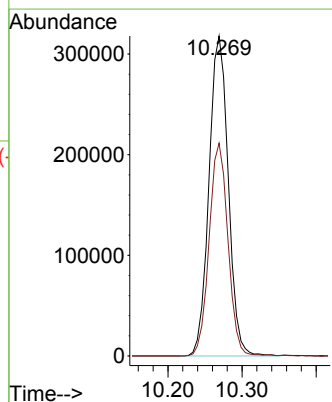
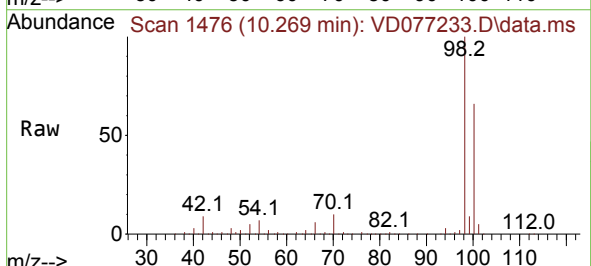
Acq: 28 Sep 2023 16:55

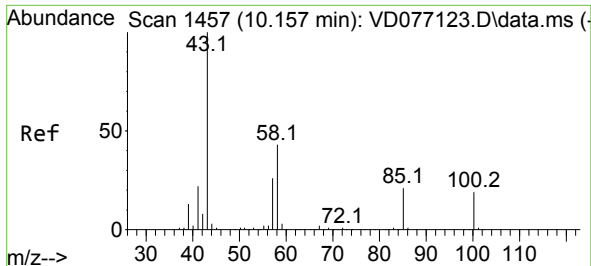
Tgt Ion: 98 Resp: 575011

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5

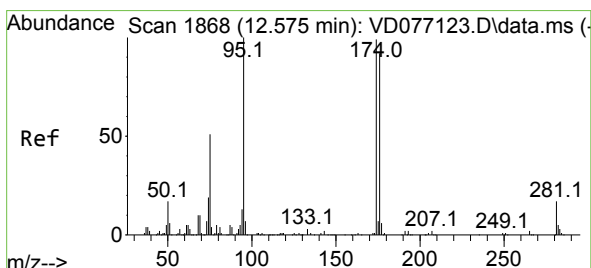
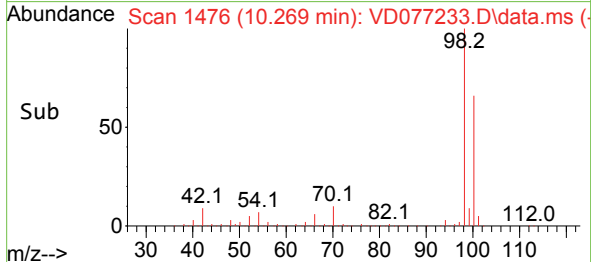
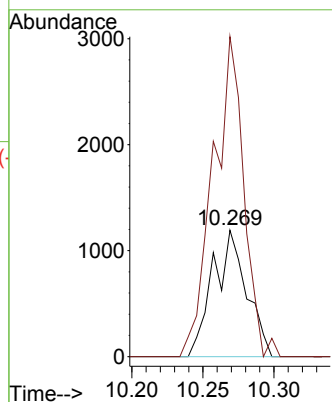
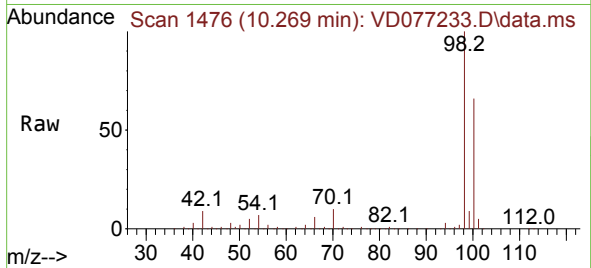




#51
4-Methyl-2-Pentanone
Concen: 1.015 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

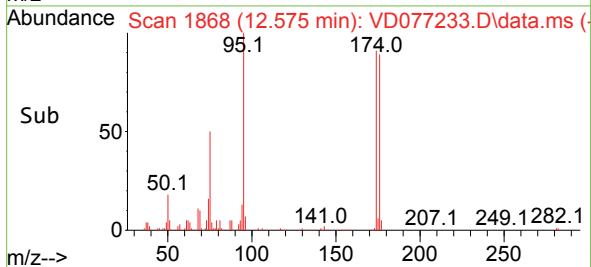
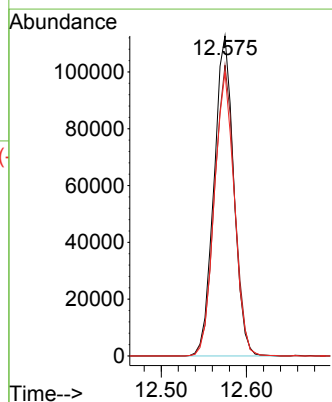
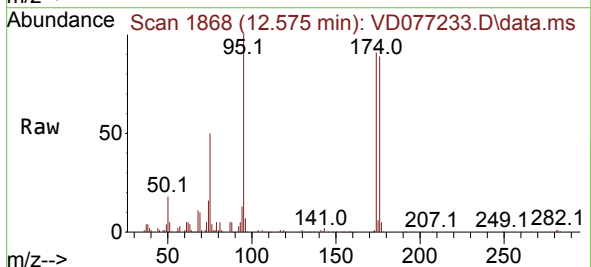
Instrument :
MSVOA_D
ClientSampleId :

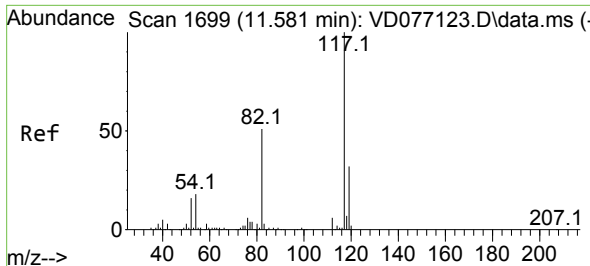
Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
58 231.1 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 47.216 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

Tgt Ion: 95 Resp: 181438
Ion Ratio Lower Upper
95 100
174 92.0 0.0 201.8
176 89.3 0.0 191.8

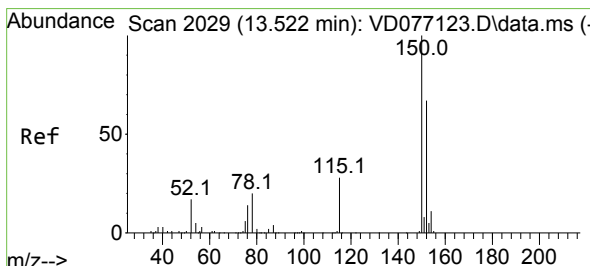
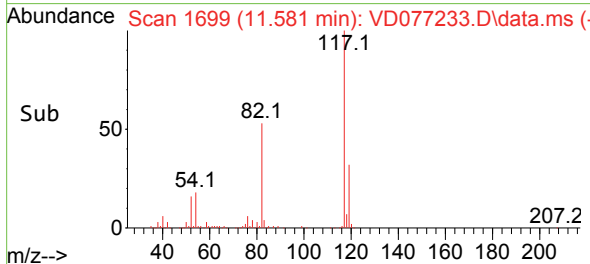
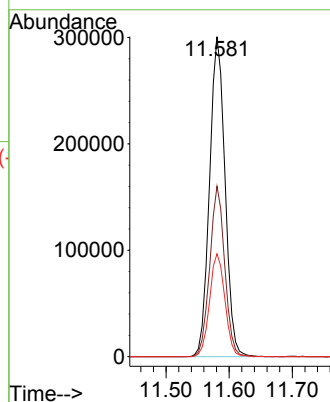
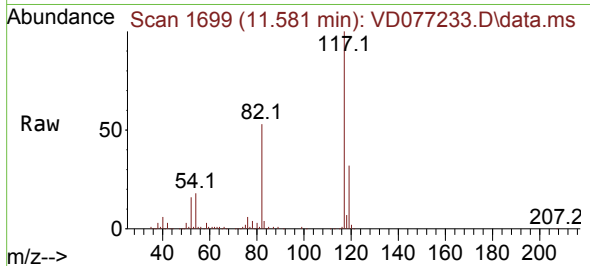




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

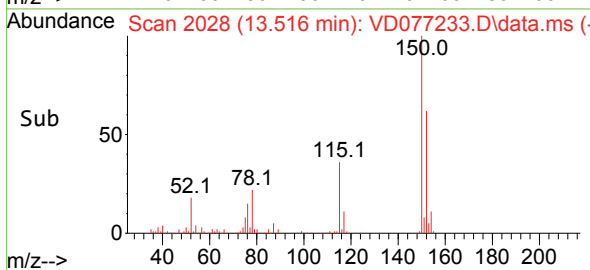
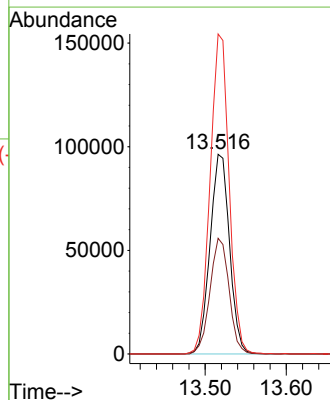
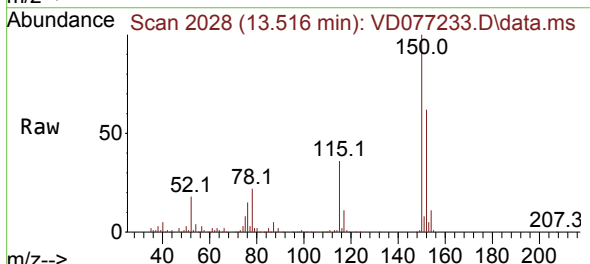
Instrument :
MSVOA_D
ClientSampleId :

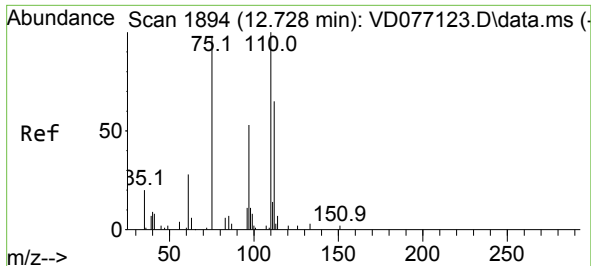
Tgt Ion:117 Resp: 512294
Ion Ratio Lower Upper
117 100
82 53.2 38.3 57.5
119 32.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

Tgt Ion:152 Resp: 160712
Ion Ratio Lower Upper
152 100
115 56.6 27.1 81.3
150 156.0 0.0 353.6

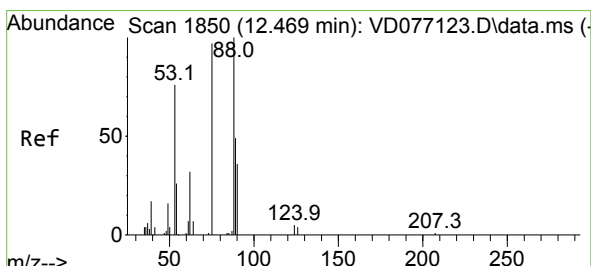
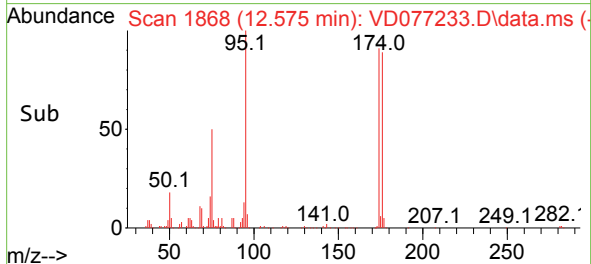
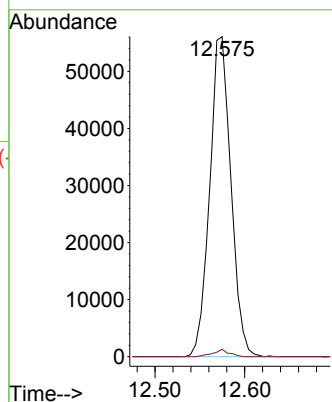
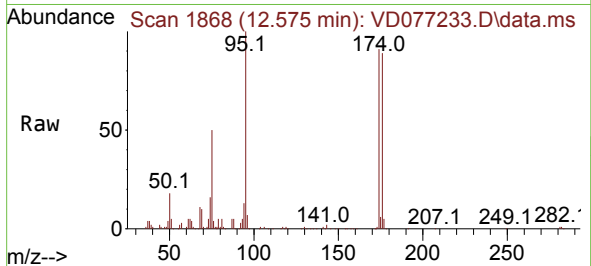




#76
1,2,3-Trichloropropane
Concen: 71.836 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 92090
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.970 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077233.D
Acq: 28 Sep 2023 16:55

Tgt Ion: 75 Resp: 92090
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

