

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077367.D
 Acq On : 20 Oct 2023 16:29
 Operator : JC/SY
 Sample : 04977-08
 Misc : 3.63G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:30:38 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)

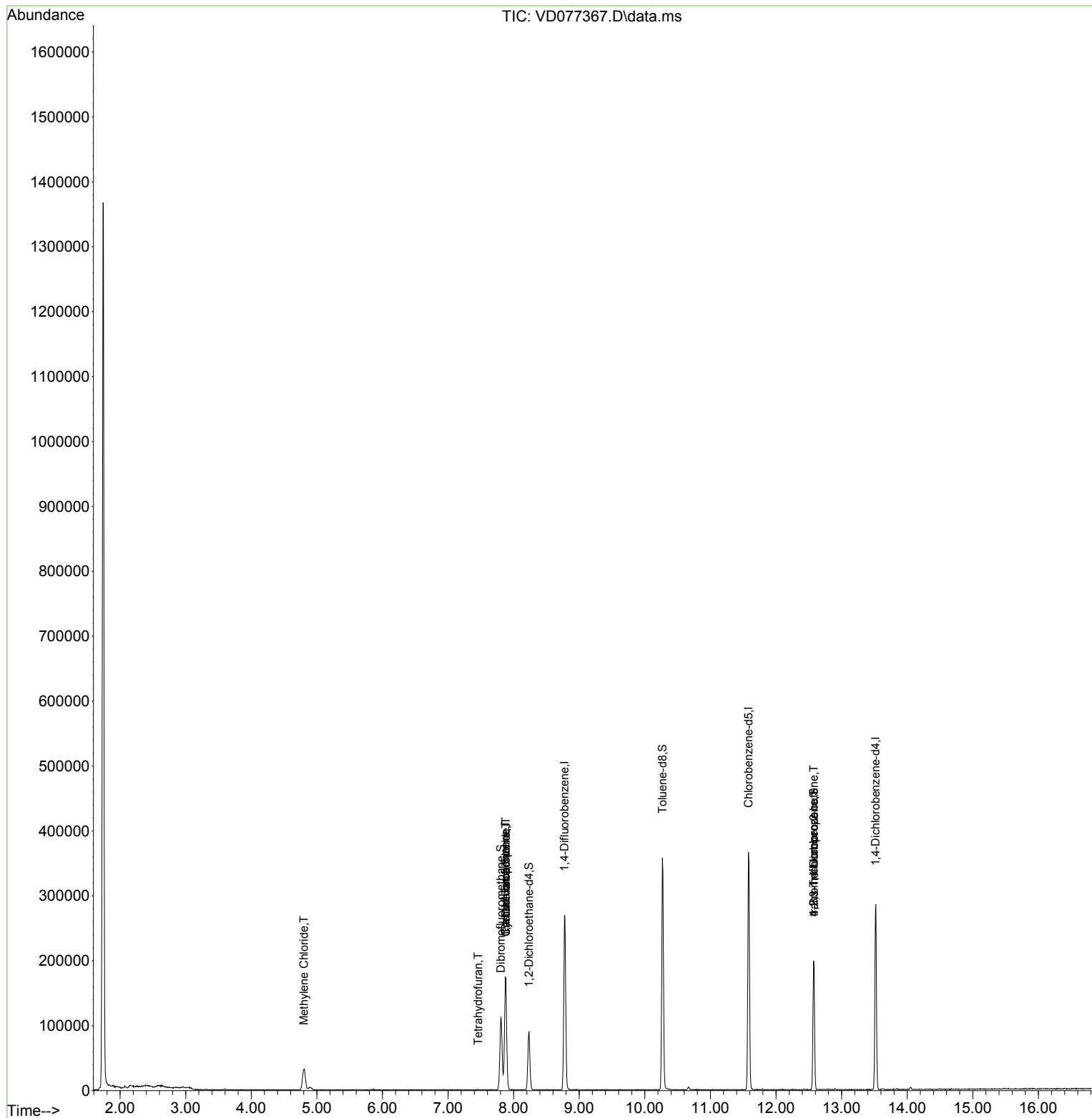
Internal Standards						
1) Pentafluorobenzene	7.875	168	137750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	253391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66747	54.265	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.520%	
35) Dibromofluoromethane	7.804	113	80157	45.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.060%	
50) Toluene-d8	10.269	98	257088	40.325	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 80.660%	
62) 4-Bromofluorobenzene	12.575	95	60718	33.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.180%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	27885	13.609	ug/l	97
29) Tetrahydrofuran	7.457	42	188	1.165	ug/l #	57
31) Cyclohexane	7.881	56	3061	1.599	ug/l #	35
36) 1,1-Dichloropropene	7.881	75	10671	4.562	ug/l #	45
38) Carbon Tetrachloride	7.881	117	13094	5.032	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	30572	28.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	30572	98.556	ug/l #	17

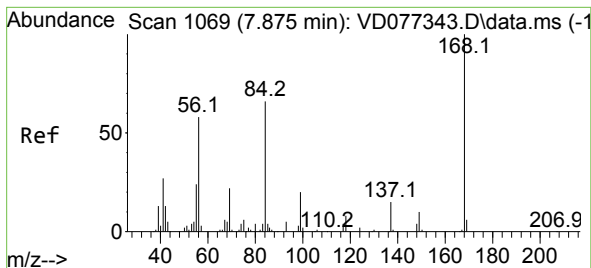
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077367.D

Acq: 20 Oct 2023 16:29

Instrument :

MSVOA_D

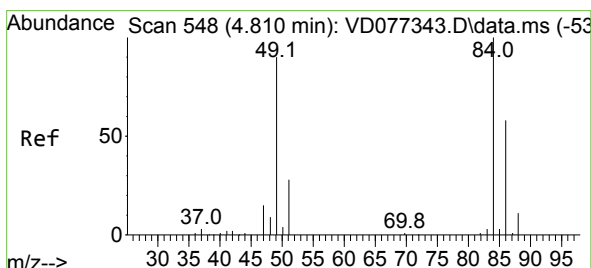
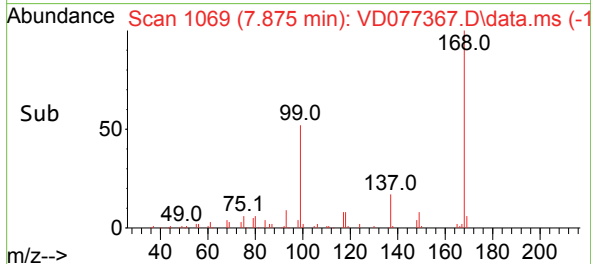
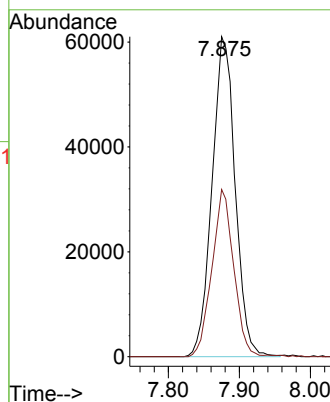
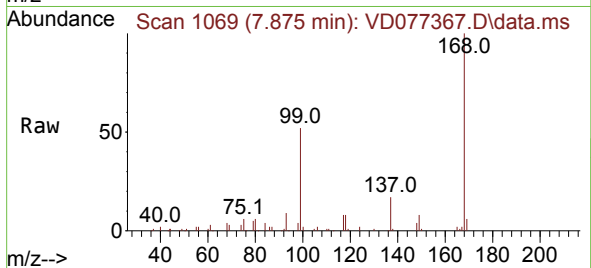
ClientSampleId :

Tgt Ion:168 Resp: 137750

Ion Ratio Lower Upper

168 100

99 52.3 36.7 55.1



#20

Methylene Chloride

Concen: 13.609 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.005 min

Lab File: VD077367.D

Acq: 20 Oct 2023 16:29

Tgt Ion: 84 Resp: 27885

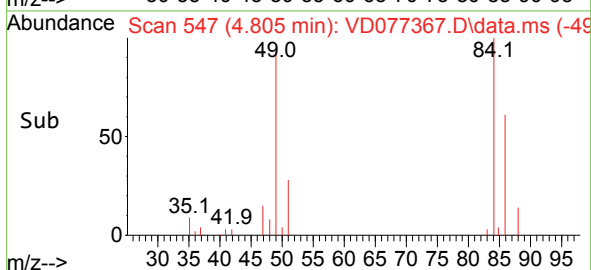
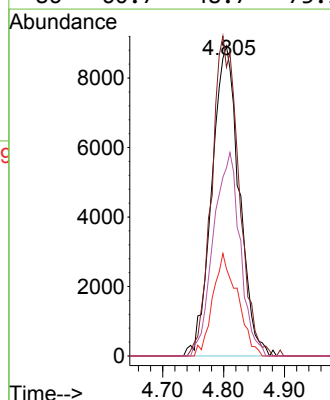
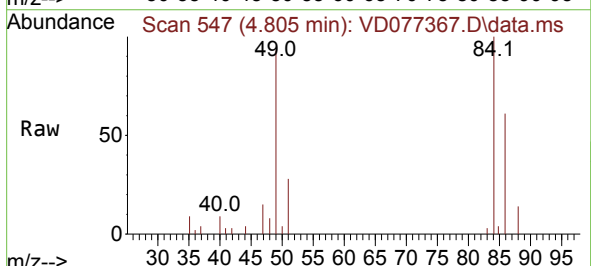
Ion Ratio Lower Upper

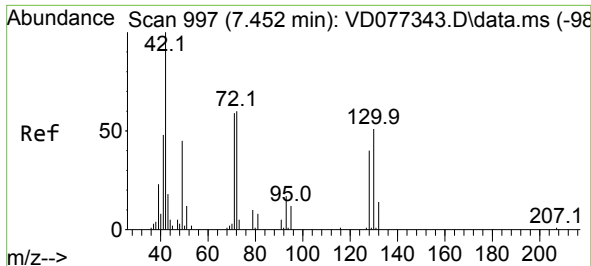
84 100

49 93.2 71.4 107.2

51 28.2 24.5 36.7

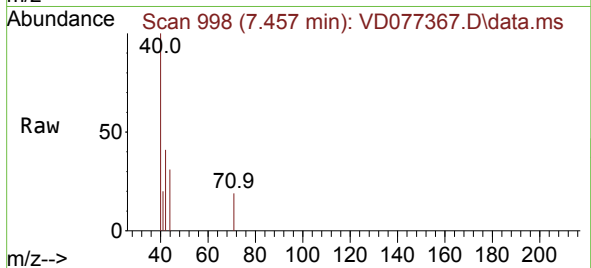
86 60.7 48.7 73.1



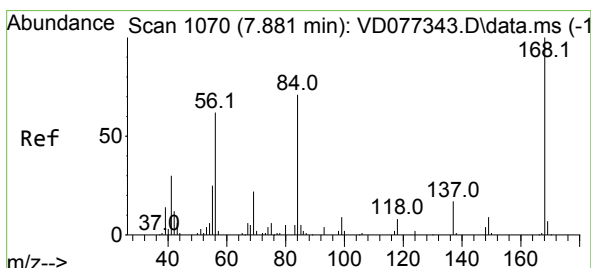
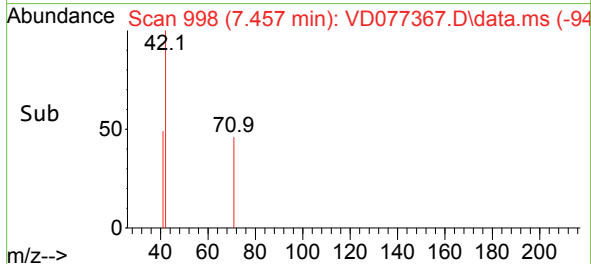
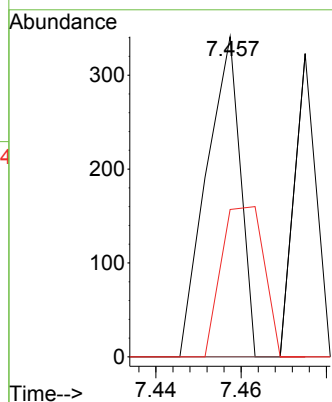


#29
Tetrahydrofuran
Concen: 1.165 ug/l
RT: 7.457 min Scan# 997
Delta R.T. 0.005 min
Lab File: VD077367.D
Acq: 20 Oct 2023 16:29

Instrument :
MSVOA_D
ClientSampleId :

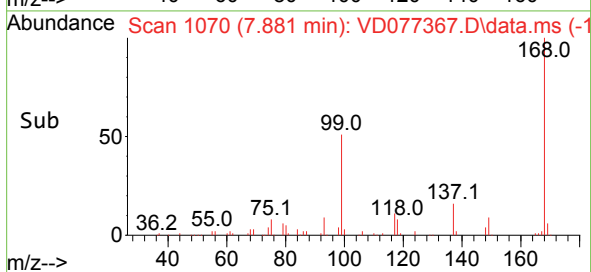
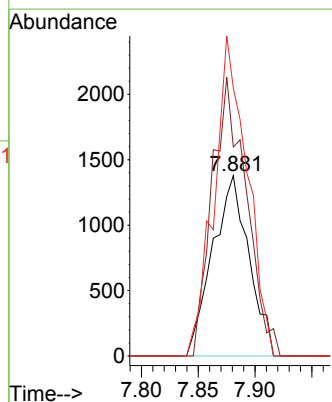
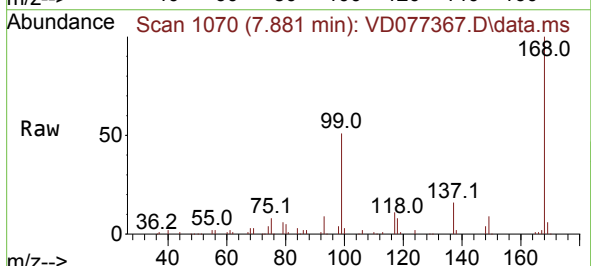


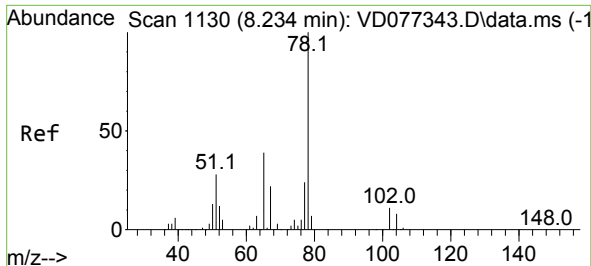
Tgt Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 59.6 44.5 66.7



#31
Cyclohexane
Concen: 1.599 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD077367.D
Acq: 20 Oct 2023 16:29

Tgt Ion: 56 Resp: 3061
Ion Ratio Lower Upper
56 100
69 115.8 28.6 43.0#
84 148.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 54.265 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077367.D

Acq: 20 Oct 2023 16:29

Instrument :

MSVOA_D

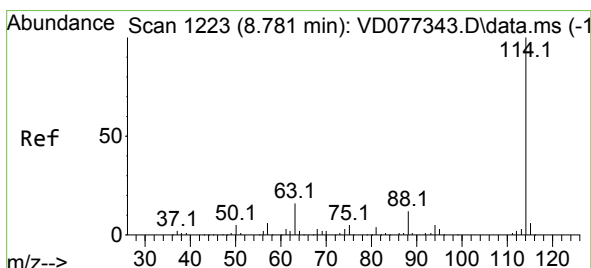
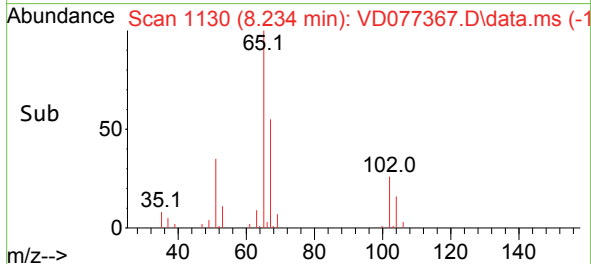
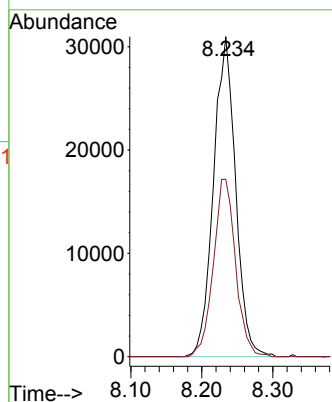
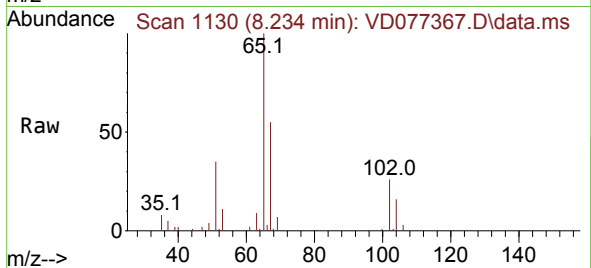
ClientSampleId :

Tgt Ion: 65 Resp: 66747

Ion Ratio Lower Upper

65 100

67 55.8 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: VD077367.D

Acq: 20 Oct 2023 16:29

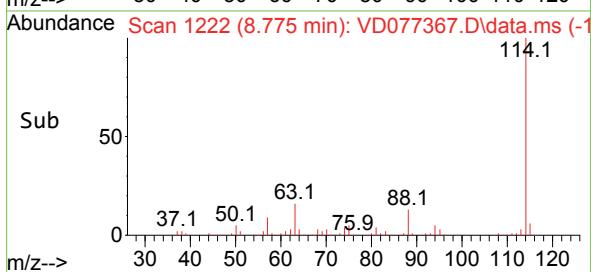
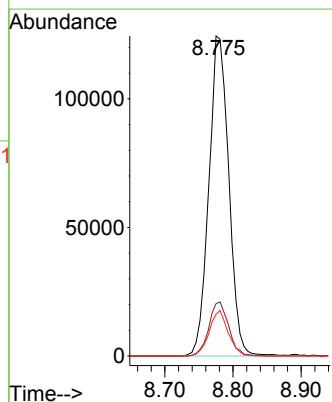
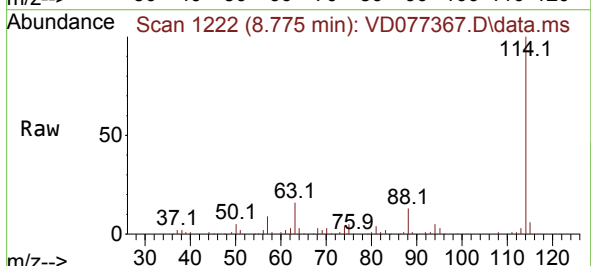
Tgt Ion: 114 Resp: 253391

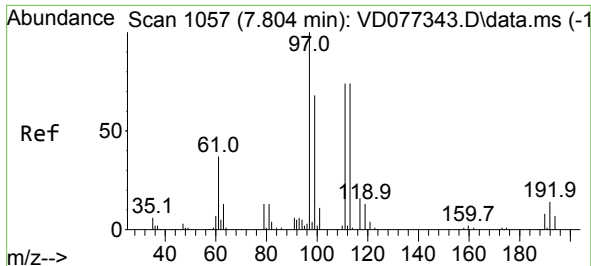
Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 13.0 0.0 26.2





#35

Dibromofluoromethane

Concen: 45.027 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

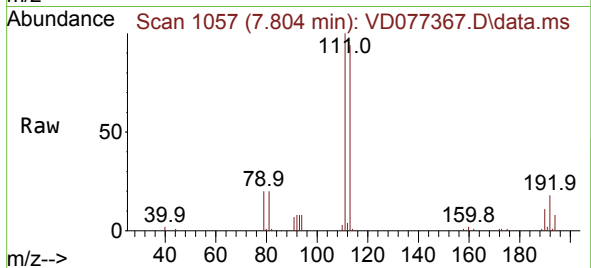
Lab File: VD077367.D

Acq: 20 Oct 2023 16:29

Instrument :

MSVOA_D

ClientSampleId :



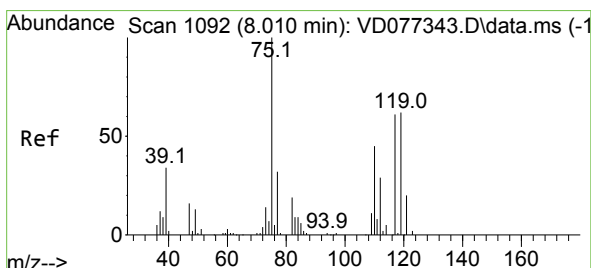
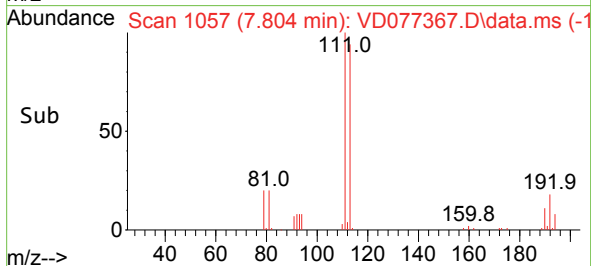
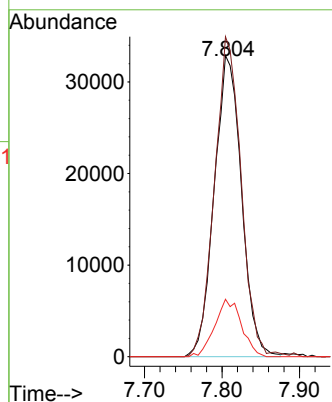
Tgt Ion:113 Resp: 80157

Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 18.7 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.562 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD077367.D

Acq: 20 Oct 2023 16:29

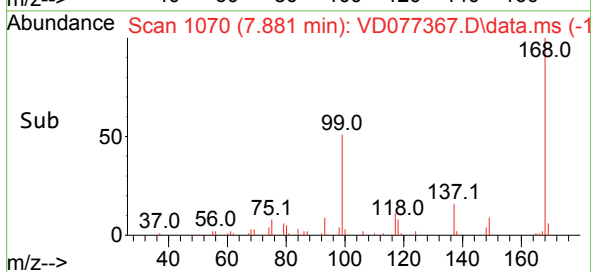
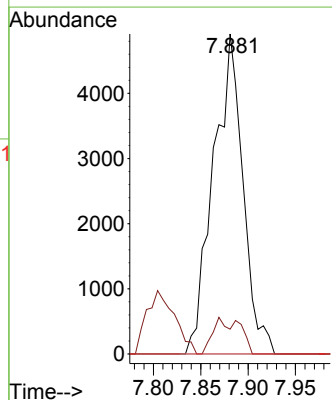
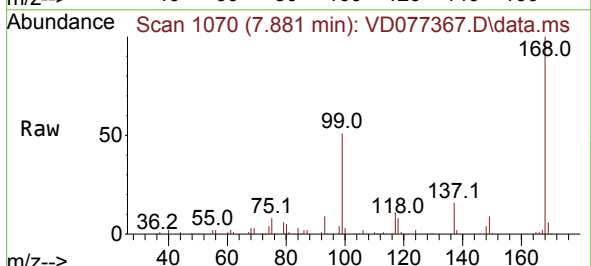
Tgt Ion: 75 Resp: 10671

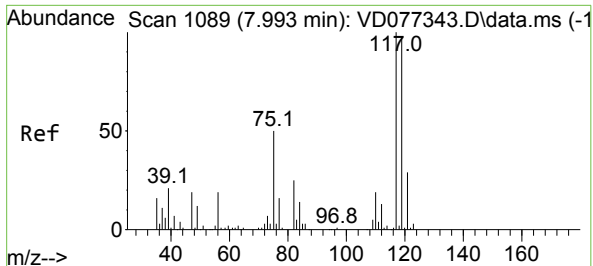
Ion Ratio Lower Upper

75 100

110 6.2 19.9 59.6#

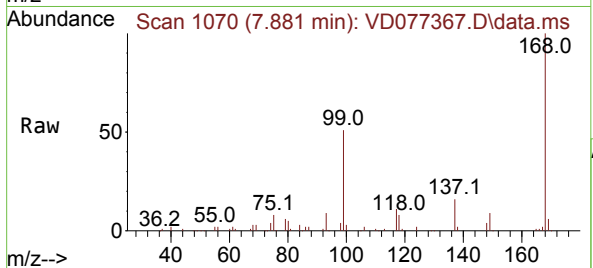
77 0.0 24.7 37.1#



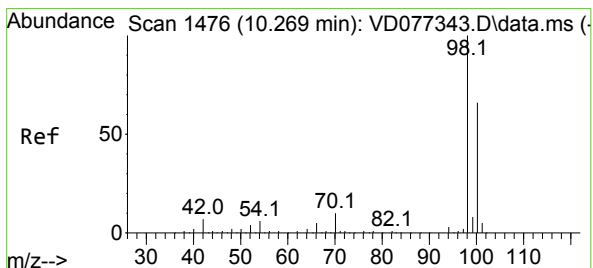
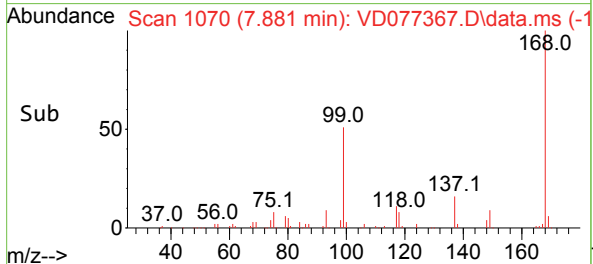
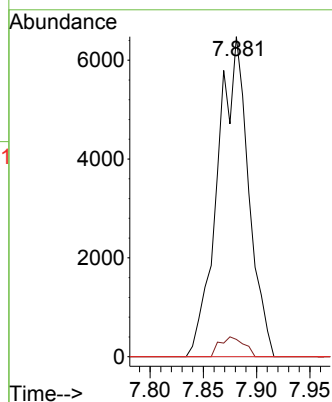


#38
Carbon Tetrachloride
Concen: 5.032 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077367.D
Acq: 20 Oct 2023 16:29

Instrument :
MSVOA_D
ClientSampleId :

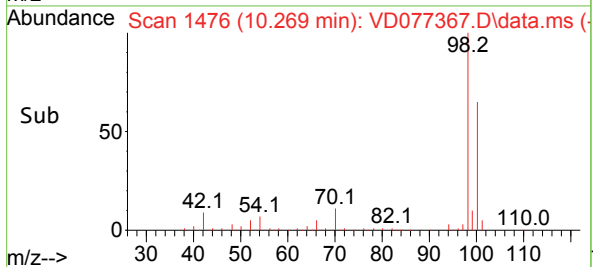
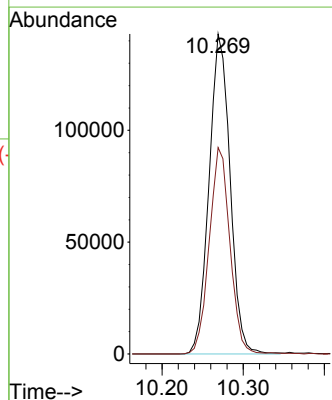
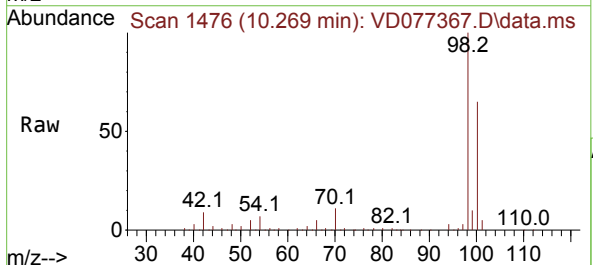


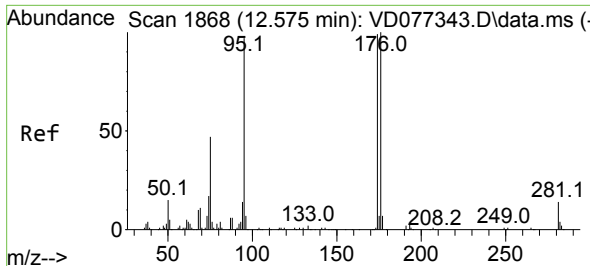
Tgt Ion:117 Resp: 13094
Ion Ratio Lower Upper
117 100
119 5.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 40.325 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077367.D
Acq: 20 Oct 2023 16:29

Tgt Ion: 98 Resp: 257088
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5

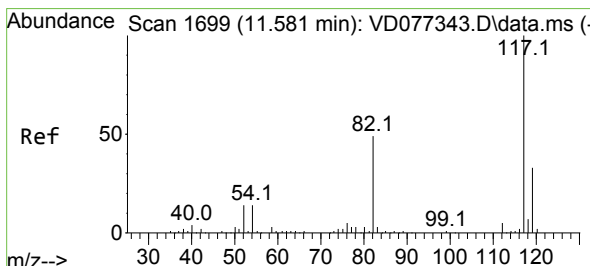
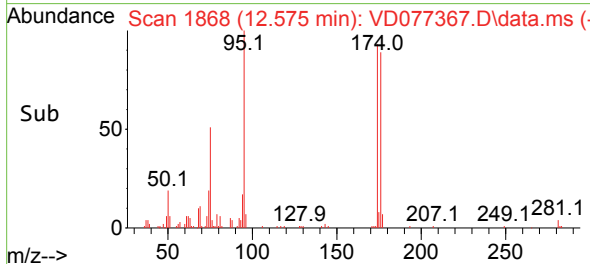
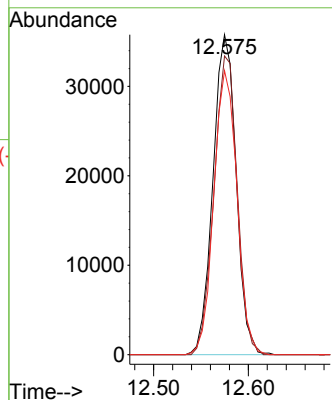
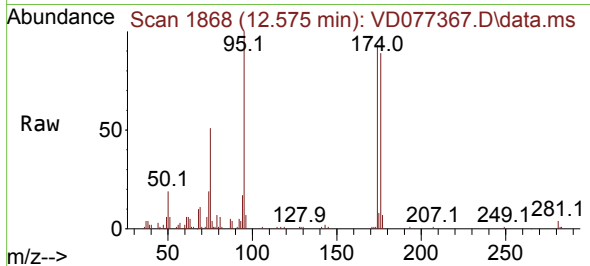




#62
4-Bromofluorobenzene
Concen: 33.085 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077367.D
Acq: 20 Oct 2023 16:29

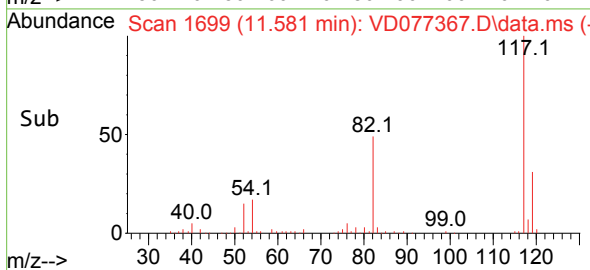
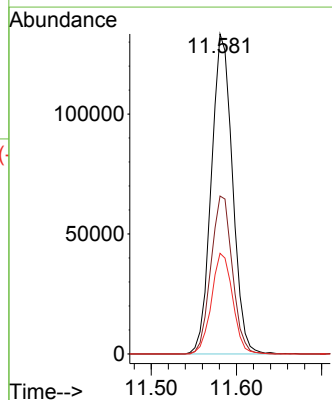
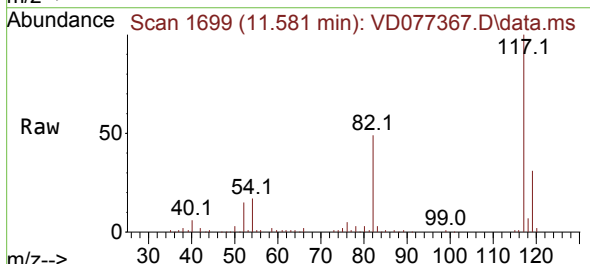
Instrument :
MSVOA_D
ClientSampleId :

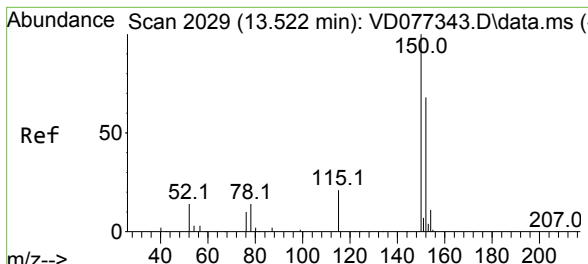
Tgt Ion: 95 Resp: 60718
Ion Ratio Lower Upper
95 100
174 93.8 0.0 201.8
176 89.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077367.D
Acq: 20 Oct 2023 16:29

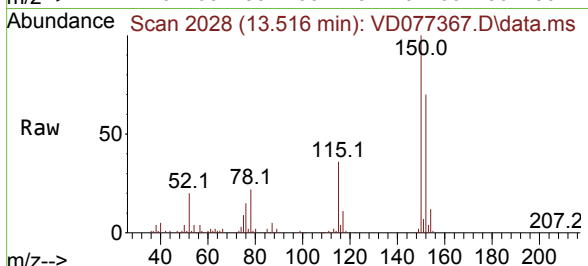
Tgt Ion: 117 Resp: 229925
Ion Ratio Lower Upper
117 100
82 49.4 38.3 57.5
119 31.4 25.0 37.4



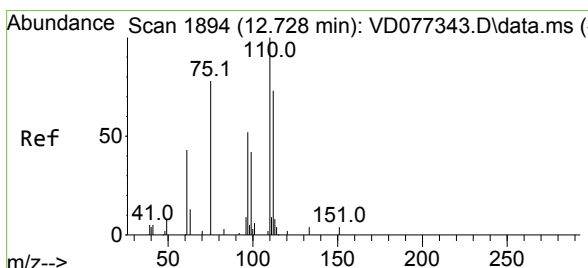
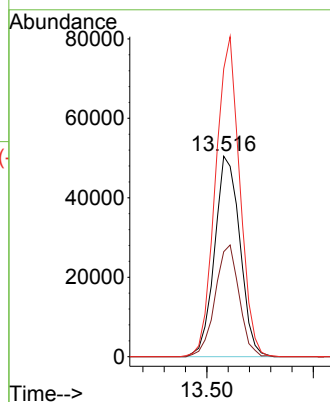
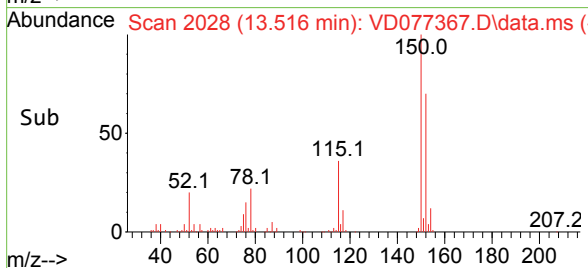


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077367.D
 Acq: 20 Oct 2023 16:29

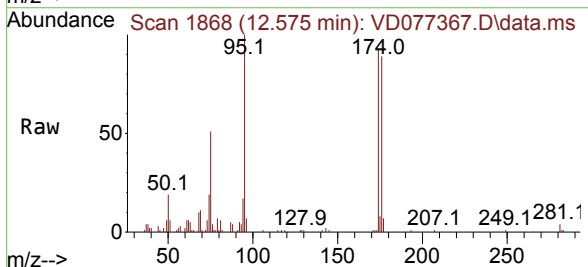
Instrument :
 MSVOA_D
 ClientSampleId :



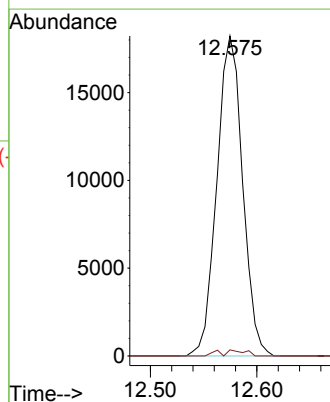
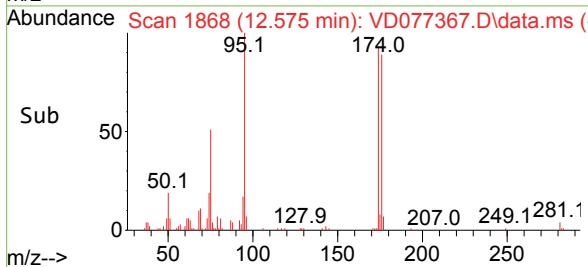
Tgt Ion:152 Resp: 83119
 Ion Ratio Lower Upper
 152 100
 115 52.9 27.1 81.3
 150 152.9 0.0 353.6

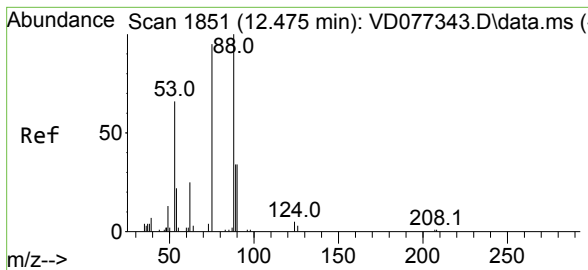


#76
 1,2,3-Trichloropropane
 Concen: 28.348 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077367.D
 Acq: 20 Oct 2023 16:29



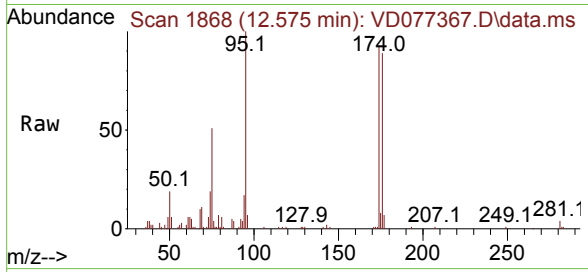
Tgt Ion: 75 Resp: 30572
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.556 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077367.D
 Acq: 20 Oct 2023 16:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	30572
Ion	Ratio	Lower	Upper
75	100		
53	0.2	63.0	94.4#
89	0.0	37.9	56.9#

