

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076881.D
 Acq On : 31 Jul 2023 18:21
 Operator : KP/SY
 Sample : 03842-03
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 350

Quant Time: Aug 01 02:13:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

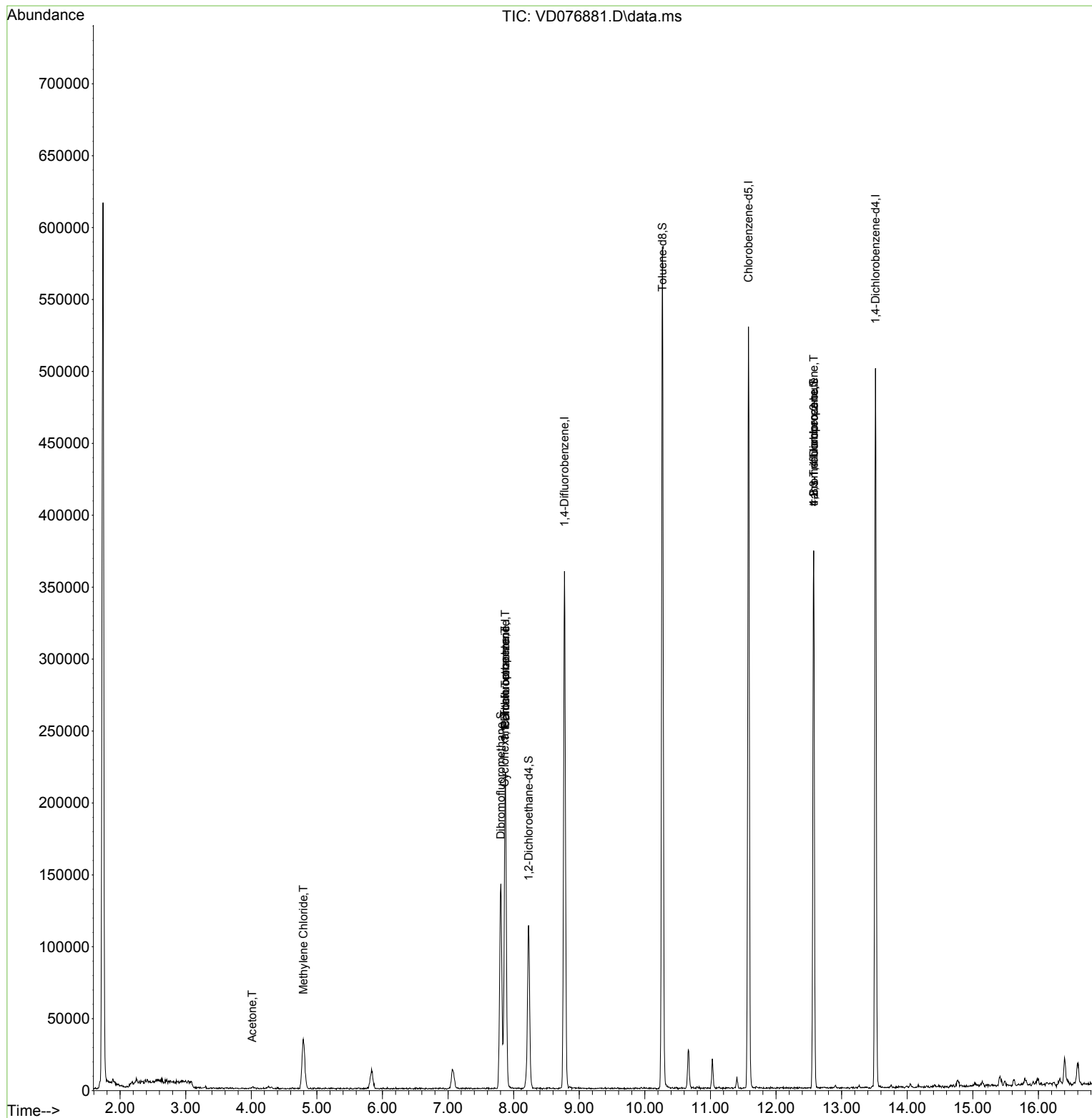
Internal Standards						
1) Pentafluorobenzene	7.875	168	165918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	323711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	307766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85387	51.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.340%	
35) Dibromofluoromethane	7.804	113	105387	51.807	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.269	98	403461	55.442	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.880%	
62) 4-Bromofluorobenzene	12.575	95	111939	47.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.100%	
Target Compounds						
						Qvalue
16) Acetone	4.016	43	1528	3.872	ug/l	93
20) Methylene Chloride	4.793	84	28510	2.307	ug/l #	94
31) Cyclohexane	7.863	56	3608	1.483	ug/l #	5
36) 1,1-Dichloropropene	7.869	75	13798	5.191	ug/l #	49
38) Carbon Tetrachloride	7.875	117	17034	6.692	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	61060	47.660	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61060	101.432	ug/l #	17

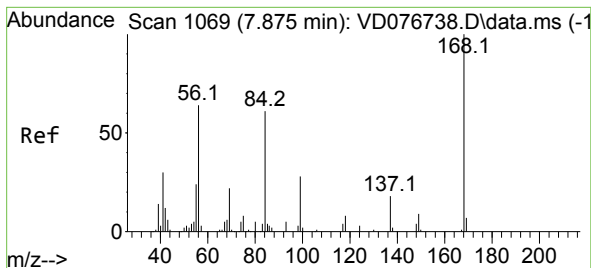
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076881.D

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Instrument :

MSVOA_D

ClientSampleId :

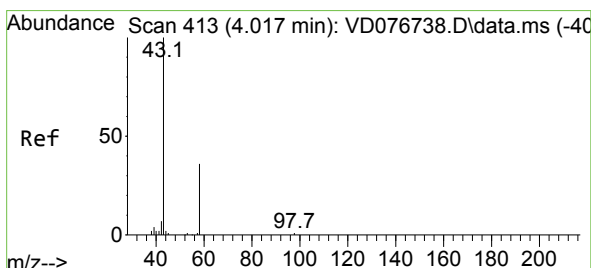
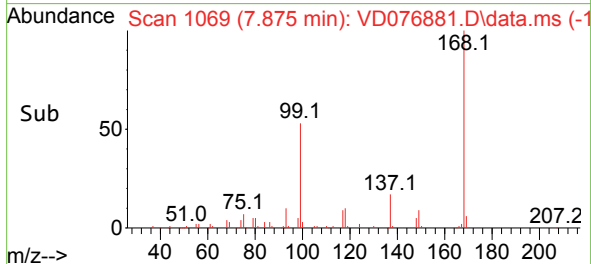
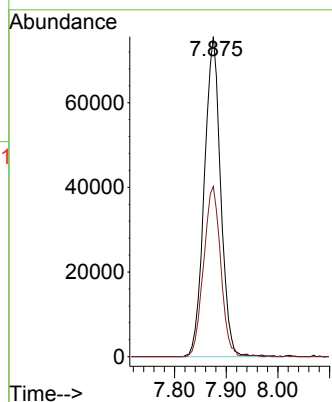
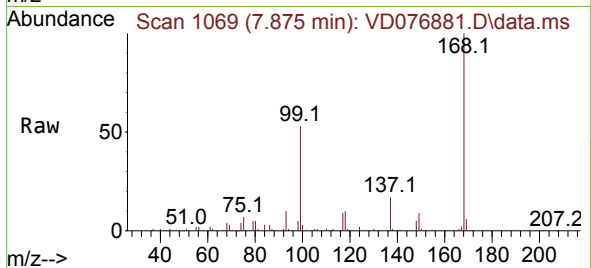
350

Tgt Ion:168 Resp: 165918

Ion Ratio Lower Upper

168 100

99 53.2 36.7 55.1



#16

Acetone

Concen: 3.872 ug/l

RT: 4.016 min Scan# 413

Delta R.T. -0.001 min

Lab File: VD076881.D

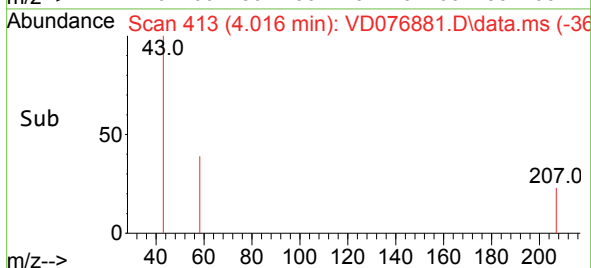
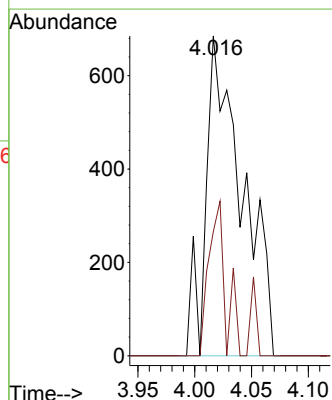
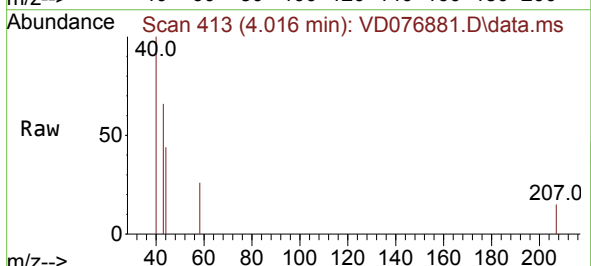
Acq: 31 Jul 2023 18:21

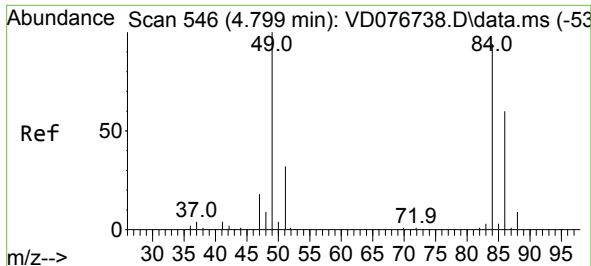
Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

43 100

58 38.8 34.7 52.1





#20

Methylene Chloride

Concen: 2.307 ug/l

RT: 4.793 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD076881.D

Acq: 31 Jul 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

350

Tgt Ion: 84 Resp: 28510

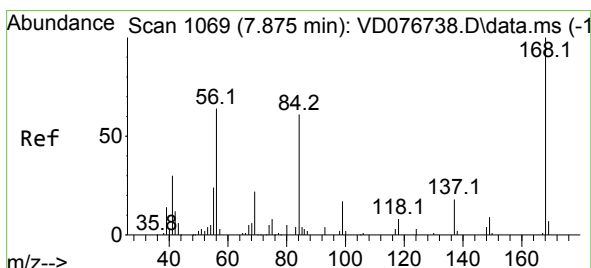
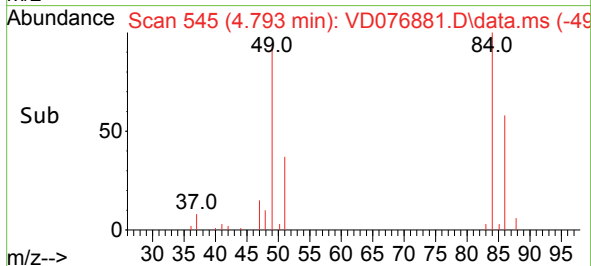
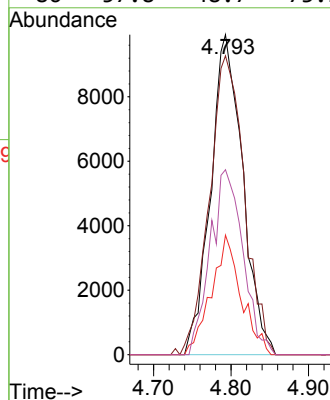
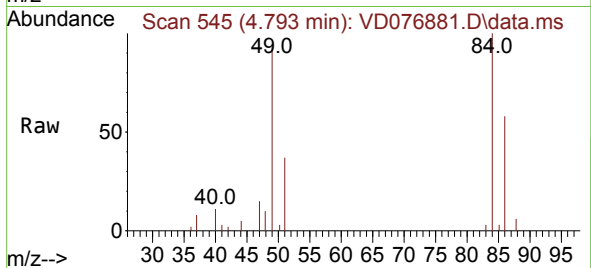
Ion Ratio Lower Upper

84 100

49 93.4 71.4 107.2

51 37.4 24.5 36.7#

86 57.8 48.7 73.1



#31

Cyclohexane

Concen: 1.483 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.012 min

Lab File: VD076881.D

Acq: 31 Jul 2023 18:21

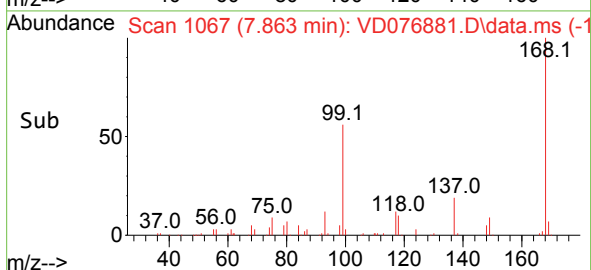
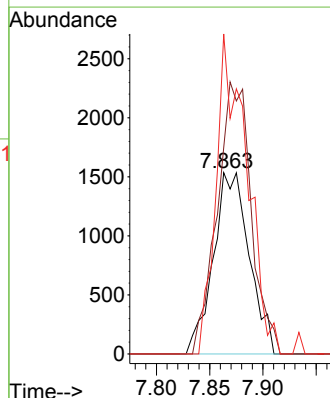
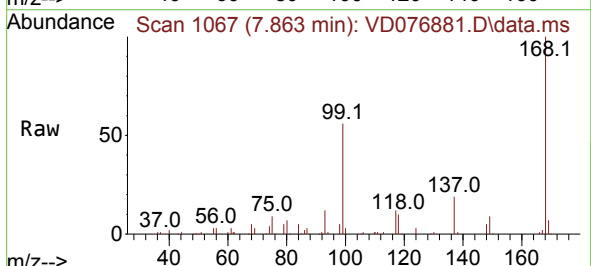
Tgt Ion: 56 Resp: 3608

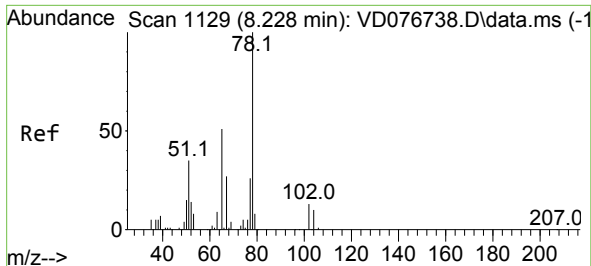
Ion Ratio Lower Upper

56 100

69 113.8 28.6 43.0#

84 190.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 51.668 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076881.D

Acq: 31 Jul 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

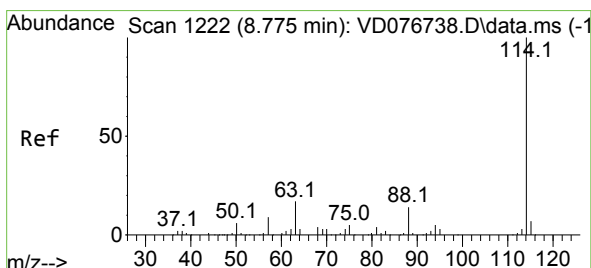
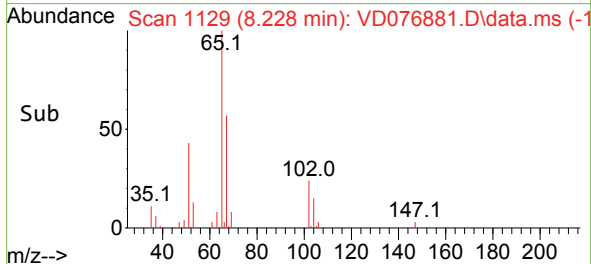
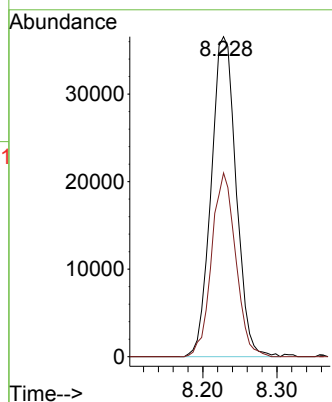
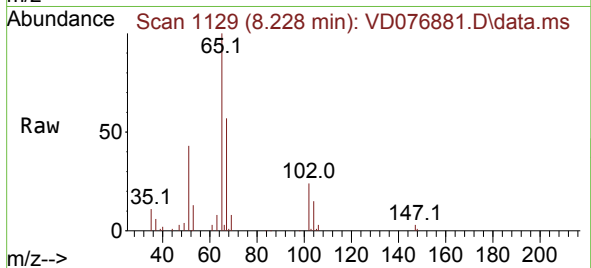
350

Tgt Ion: 65 Resp: 85387

Ion Ratio Lower Upper

65 100

67 55.4 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: VD076881.D

Acq: 31 Jul 2023 18:21

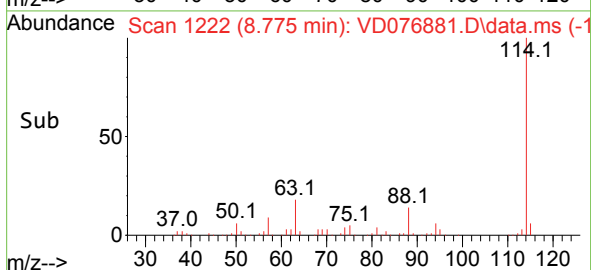
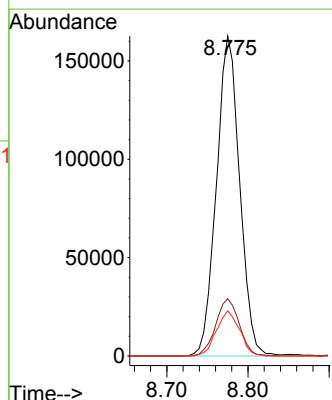
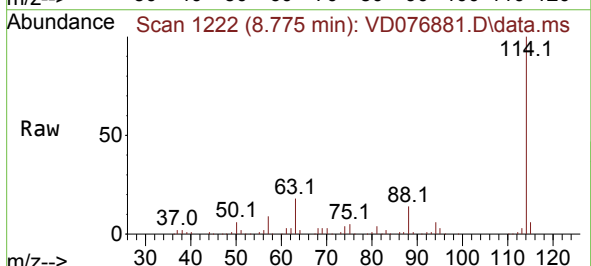
Tgt Ion: 114 Resp: 323711

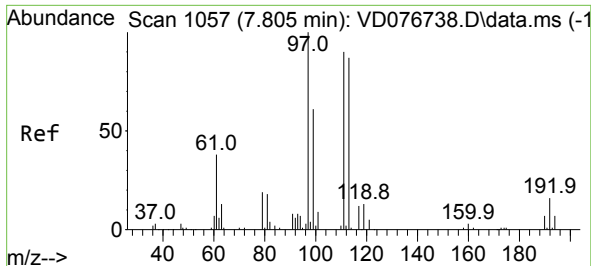
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 14.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 51.807 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076881.D

Acq: 31 Jul 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

350

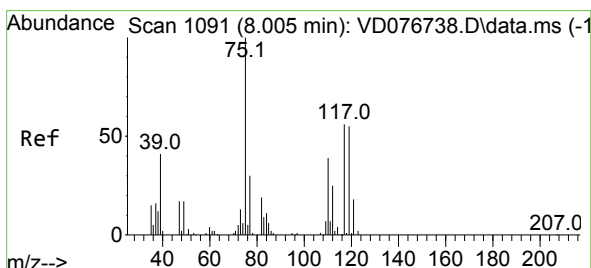
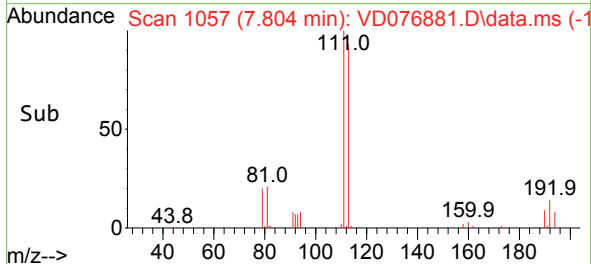
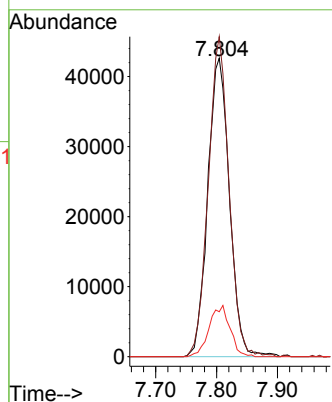
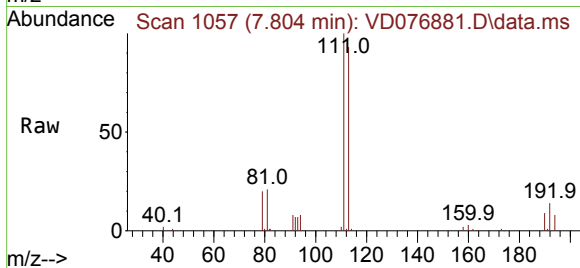
Tgt Ion:113 Resp: 105387

Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 16.6 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 5.191 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076881.D

Acq: 31 Jul 2023 18:21

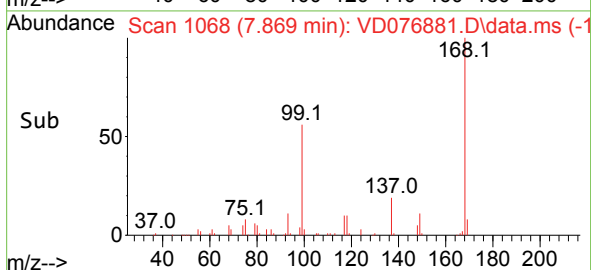
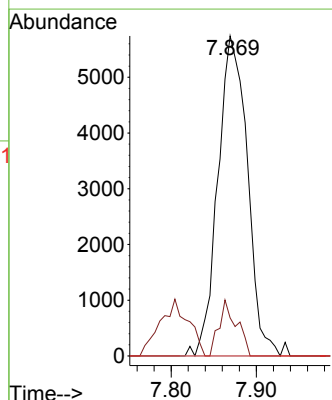
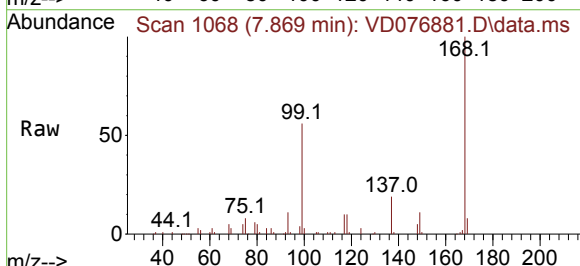
Tgt Ion: 75 Resp: 13798

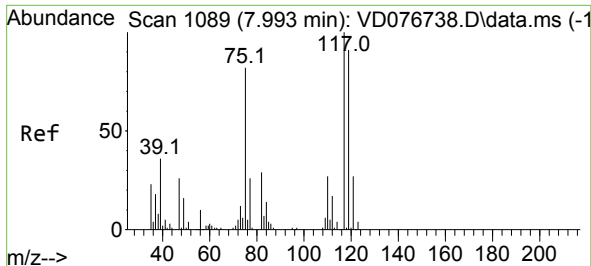
Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.6#

77 0.0 24.7 37.1#

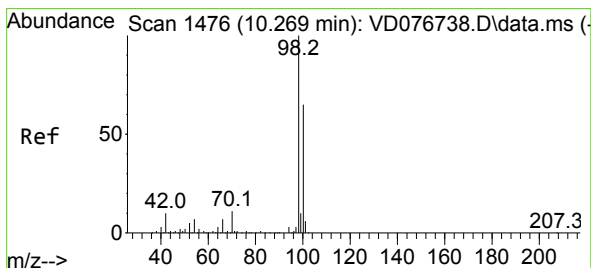
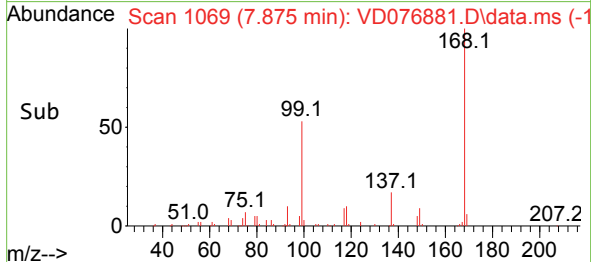
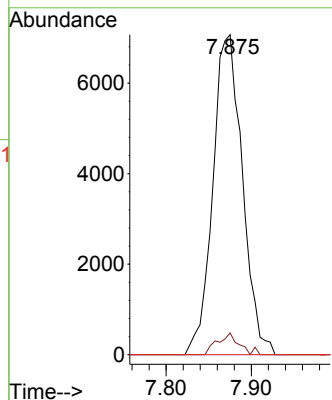
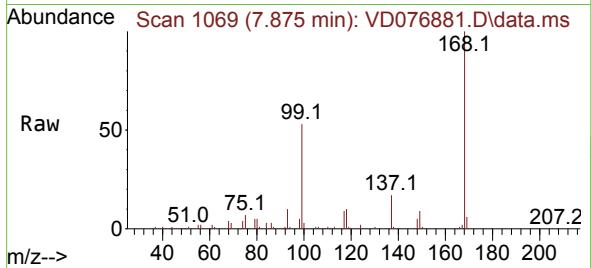




#38
Carbon Tetrachloride
Concen: 6.692 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD076881.D
Acq: 31 Jul 2023 18:21

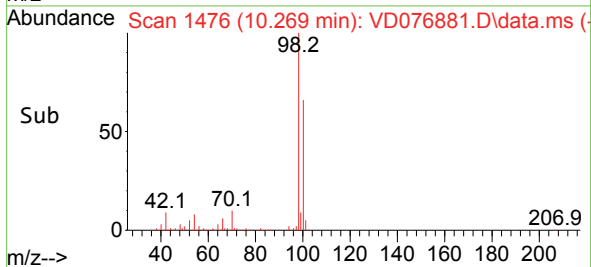
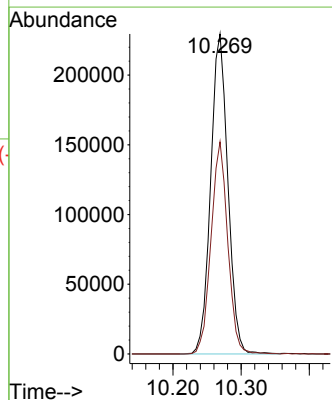
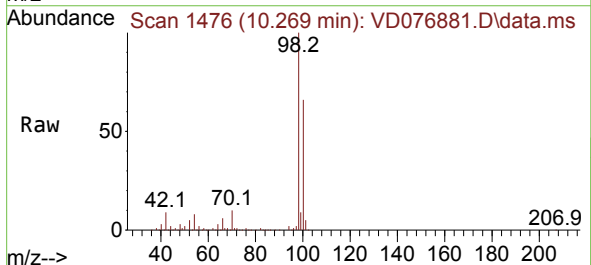
Instrument :
MSVOA_D
ClientSampleId :
350

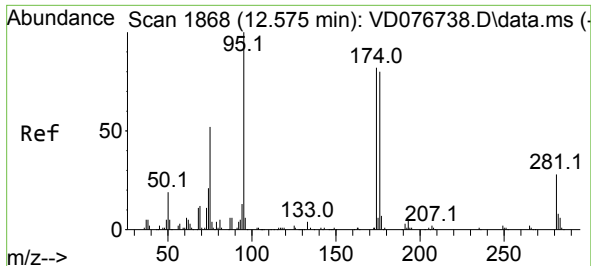
Tgt Ion:117 Resp: 17034
Ion Ratio Lower Upper
117 100
119 6.8 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.442 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076881.D
Acq: 31 Jul 2023 18:21

Tgt Ion: 98 Resp: 403461
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

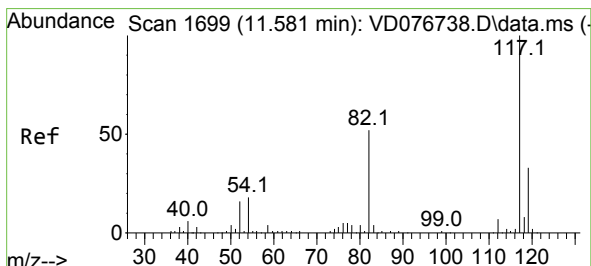
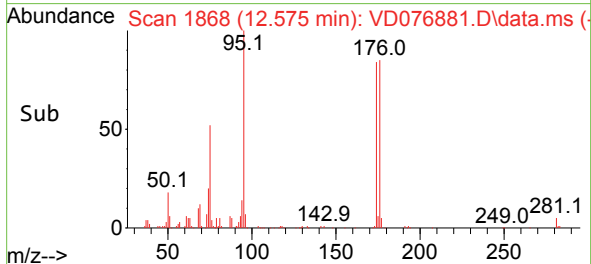
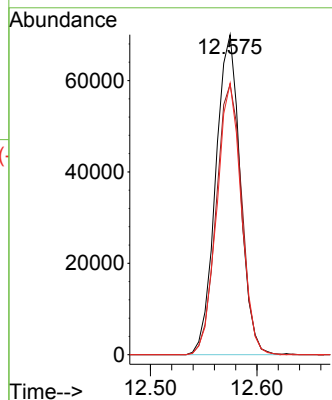
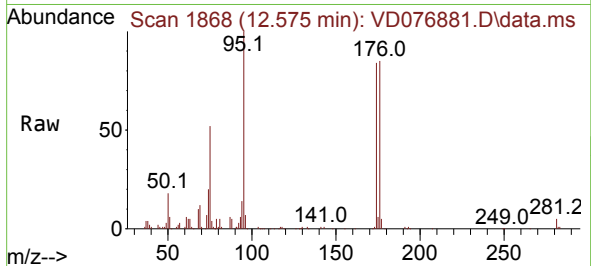




#62
4-Bromofluorobenzene
Concen: 47.549 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076881.D
Acq: 31 Jul 2023 18:21

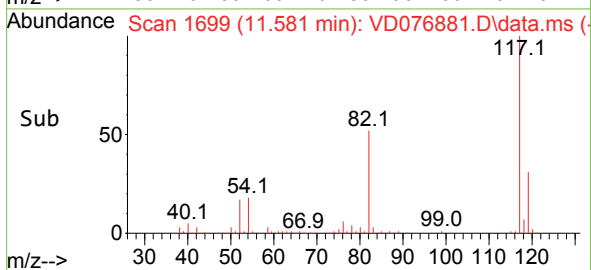
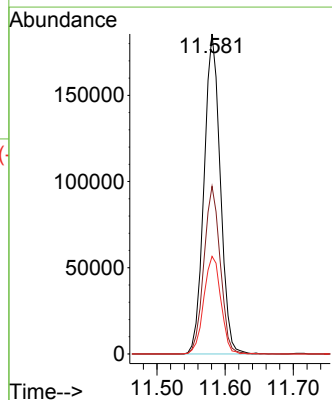
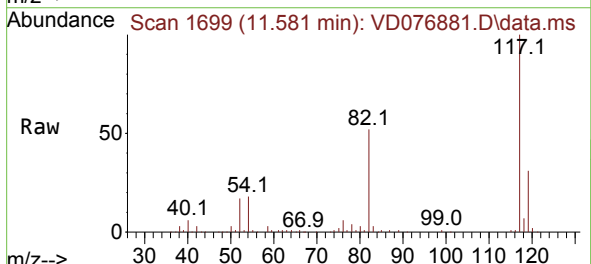
Instrument :
MSVOA_D
ClientSampleId :
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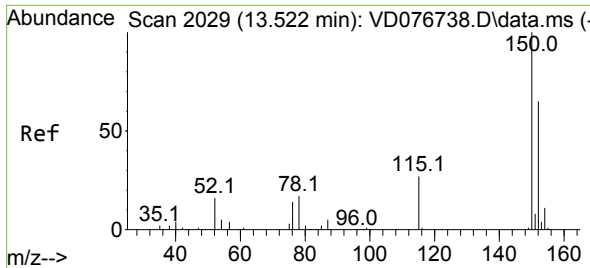
Tgt Ion: 95 Resp: 111939
Ion Ratio Lower Upper
95 100
174 87.8 0.0 201.8
176 84.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076881.D
Acq: 31 Jul 2023 18:21

Tgt Ion: 117 Resp: 307766
Ion Ratio Lower Upper
117 100
82 52.4 38.3 57.5
119 30.5 25.0 37.4

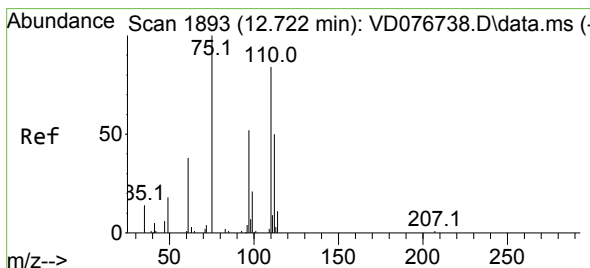
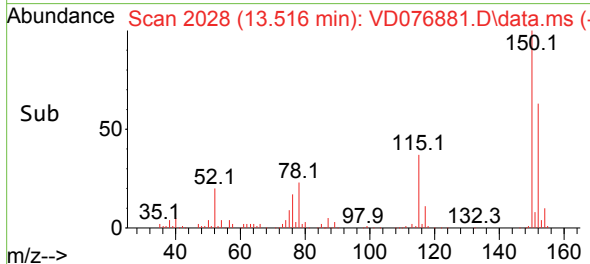
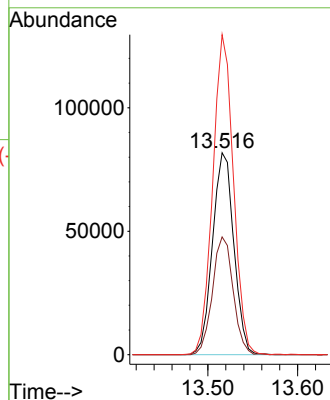
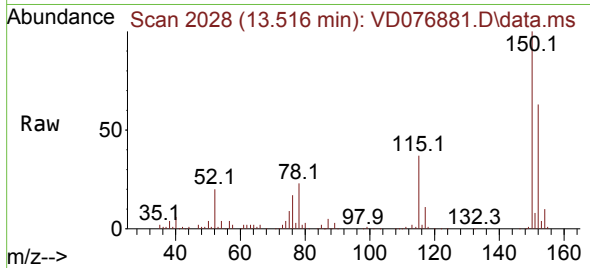




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076881.D
 Acq: 31 Jul 2023 18:21

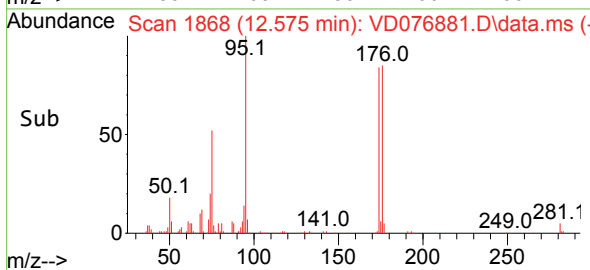
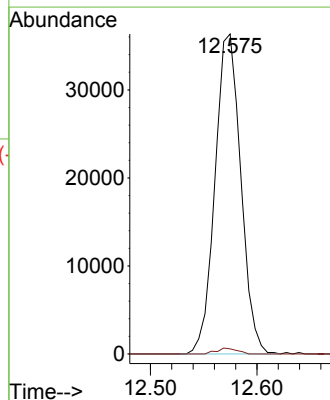
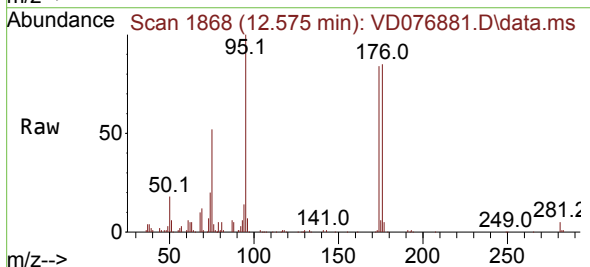
Instrument :
 MSVOA_D
 ClientSampleId :
 350

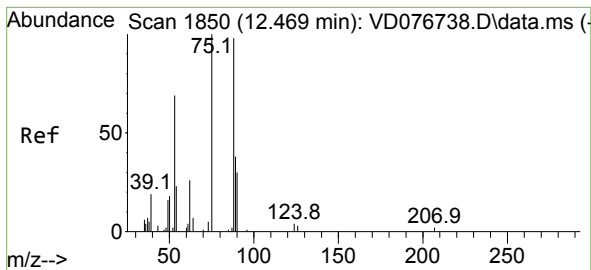
Tgt Ion:152 Resp: 134719
 Ion Ratio Lower Upper
 152 100
 115 56.7 27.1 81.3
 150 153.8 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 47.660 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076881.D
 Acq: 31 Jul 2023 18:21

Tgt Ion: 75 Resp: 61060
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.432 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076881.D
 Acq: 31 Jul 2023 18:21

Instrument :
 MSVOA_D
 ClientSampleId :
 350

Tgt Ion: 75 Resp: 61060
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

