

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078227.D
 Acq On : 24 Jan 2024 17:05
 Operator : RP/MD
 Sample : P1234-02
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 293

Quant Time: Jan 25 00:28:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

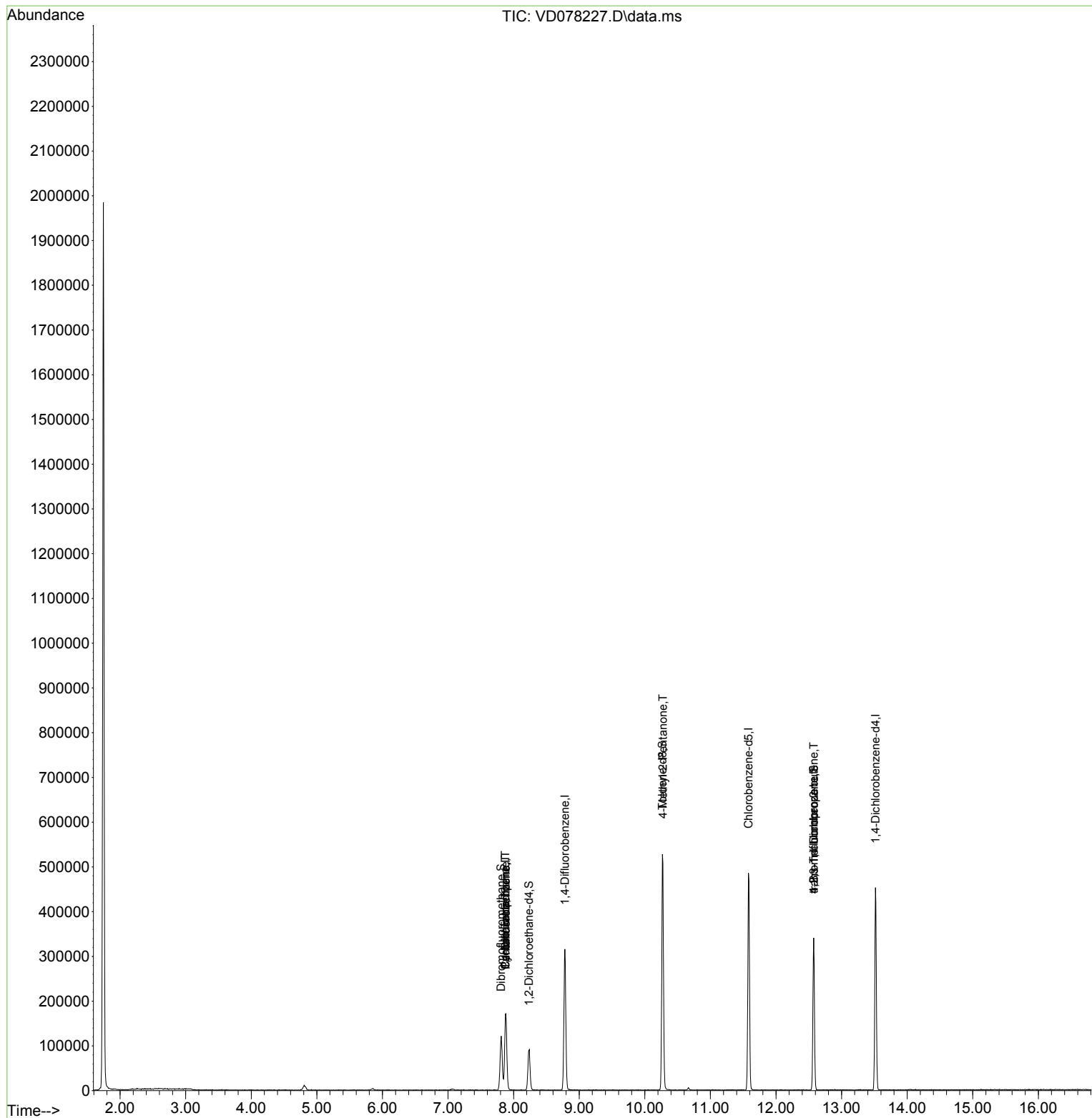
Internal Standards						
1) Pentafluorobenzene	7.881	168	125663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	276713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	282873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71061	49.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.060%
35) Dibromofluoromethane	7.810	113	84719	46.520	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.040%
50) Toluene-d8	10.269	98	359686	49.880	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.760%
62) 4-Bromofluorobenzene	12.575	95	105885	50.633	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.260%
Target Compounds						
					Qvalue	
16) Acetone	4.034	43	240	Below Cal	#	32
25) 2-Butanone	7.081	43	56	Below Cal	#	37
31) Cyclohexane	7.875	56	3165	1.193	ug/l #	32
36) 1,1-Dichloropropene	7.875	75	11751	3.924	ug/l #	47
38) Carbon Tetrachloride	7.875	117	13856	4.685	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	1417	1.320	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	55830	50.809	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55830	109.444	ug/l #	17

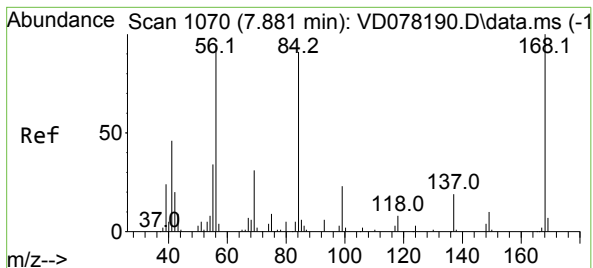
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 05:43:07 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD078227.D

Acq: 24 Jan 2024 17:05

Instrument :

MSVOA_D

ClientSampleId :

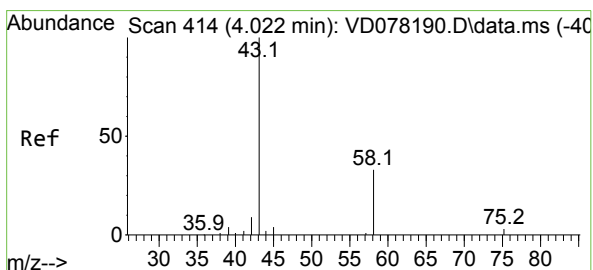
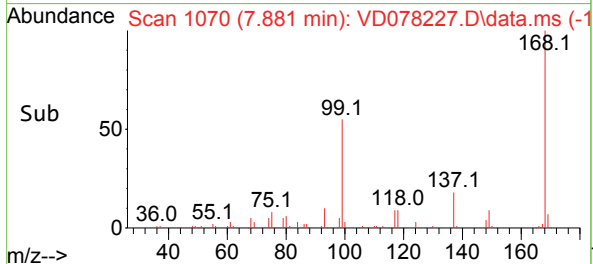
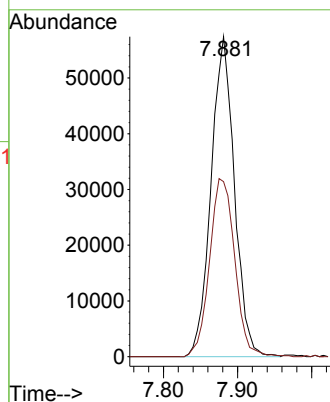
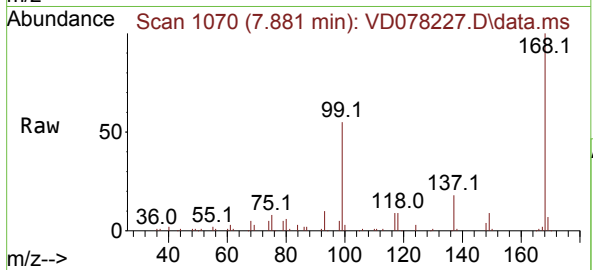
293

Tgt Ion:168 Resp: 125663

Ion Ratio Lower Upper

168 100

99 54.7 36.7 55.1



#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD078227.D

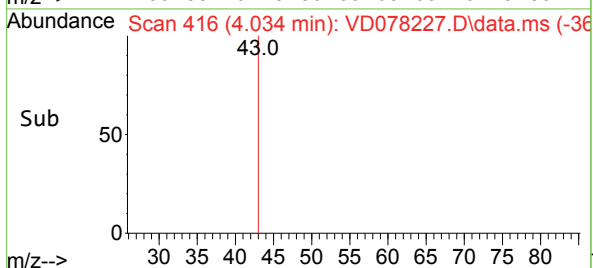
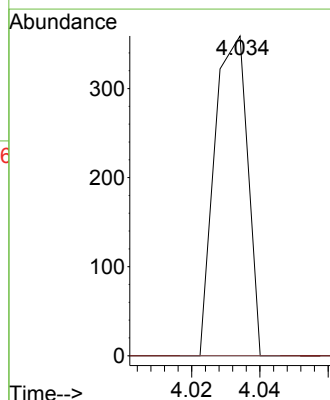
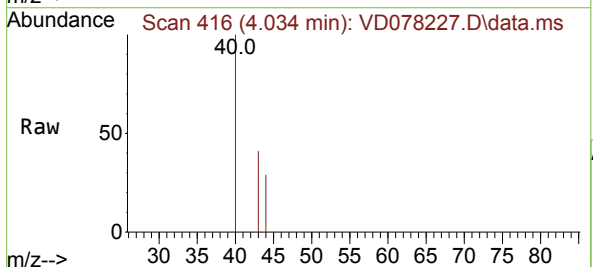
Acq: 24 Jan 2024 17:05

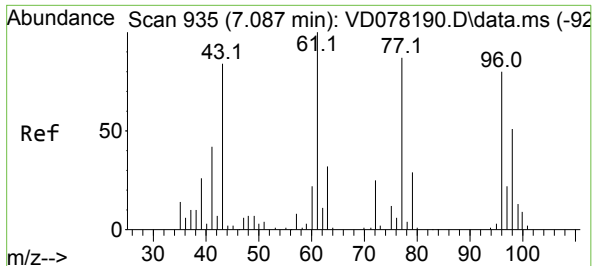
Tgt Ion: 43 Resp: 240

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.081 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078227.D

Acq: 24 Jan 2024 17:05

Instrument :

MSVOA_D

ClientSampleId :

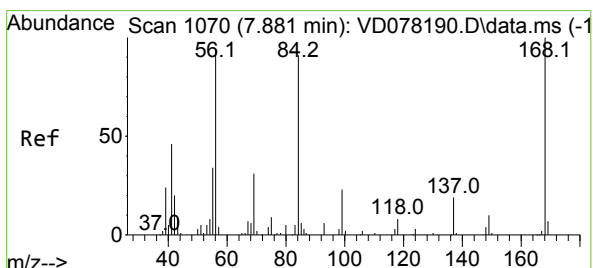
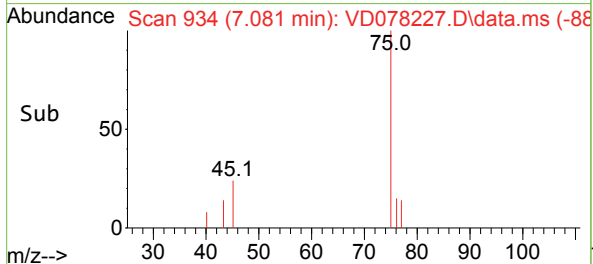
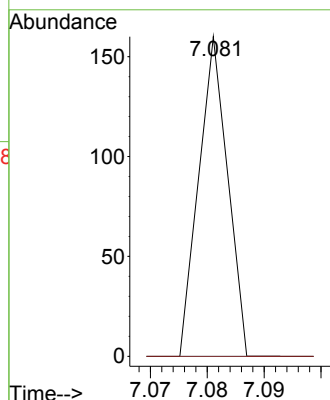
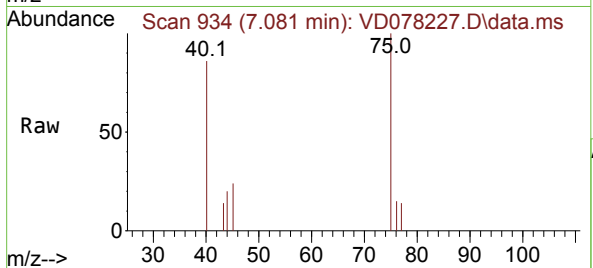
293

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078227.D

Acq: 24 Jan 2024 17:05

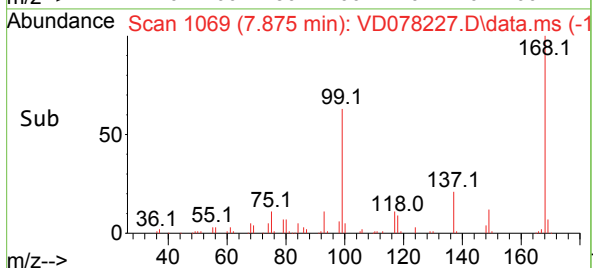
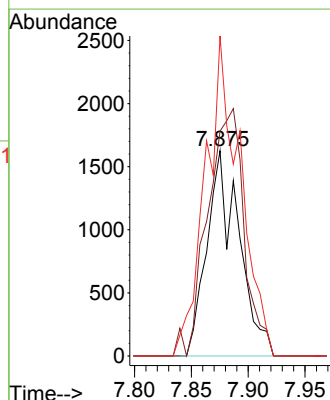
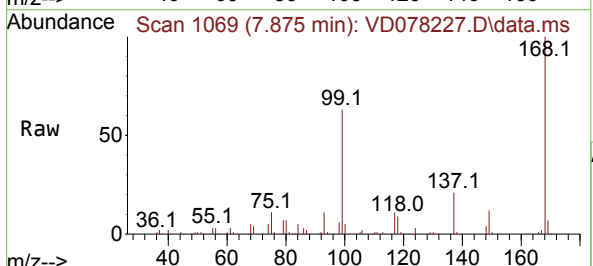
Tgt Ion: 56 Resp: 3165

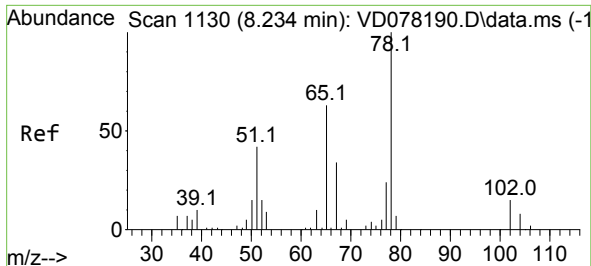
Ion Ratio Lower Upper

56 100

69 109.5 28.6 43.0#

84 155.9 84.8 127.2#

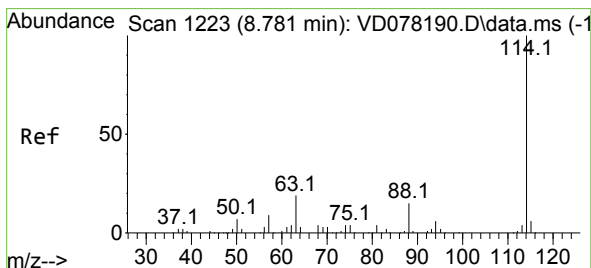
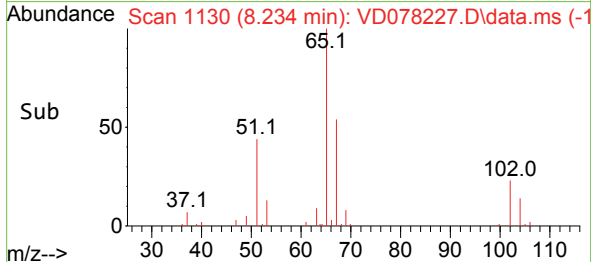
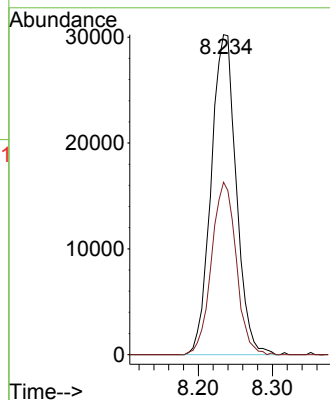
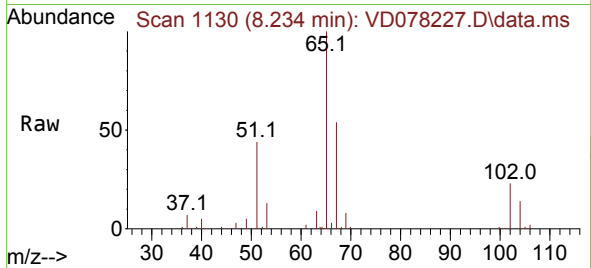




#33
 1,2-Dichloroethane-d4
 Concen: 49.535 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078227.D
 Acq: 24 Jan 2024 17:05

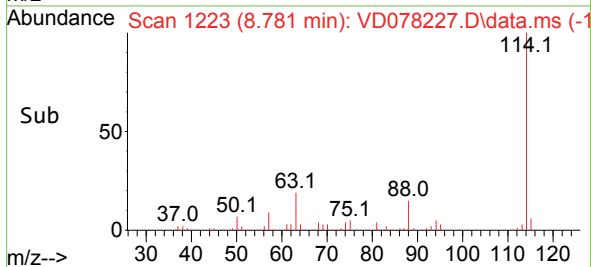
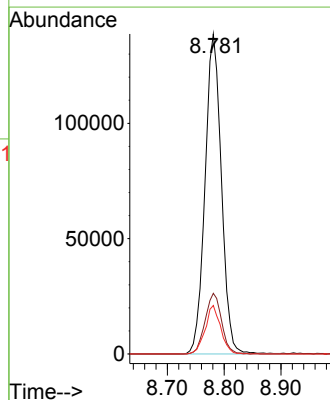
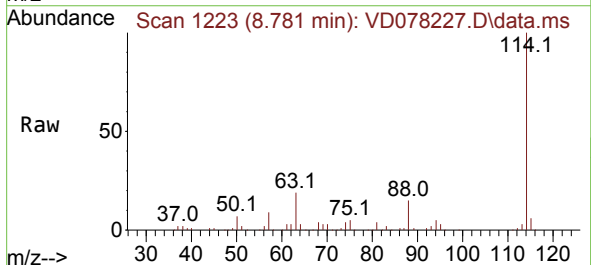
Instrument :
 MSVOA_D
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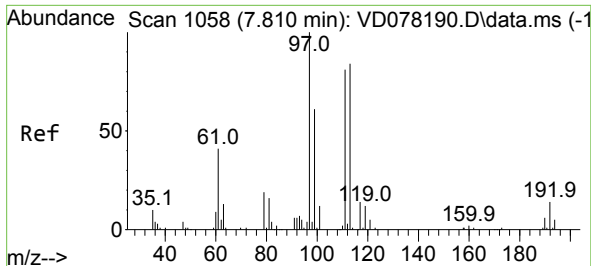
Tgt Ion: 65 Resp: 71061
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078227.D
 Acq: 24 Jan 2024 17:05

Tgt Ion: 114 Resp: 276713
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 33.4
 88 15.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.520 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078227.D

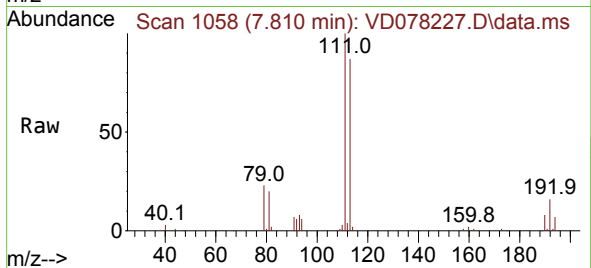
Acq: 24 Jan 2024 17:05

Instrument :

MSVOA_D

ClientSampleId :

293



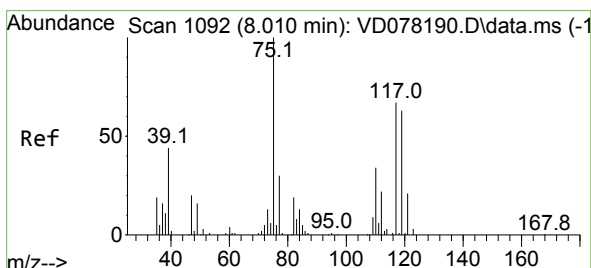
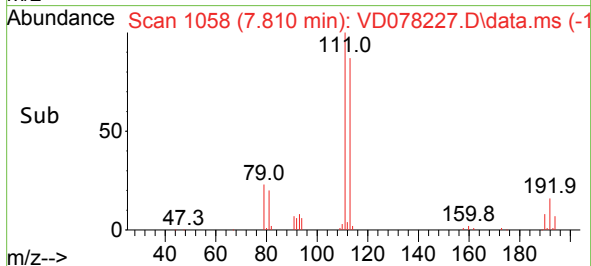
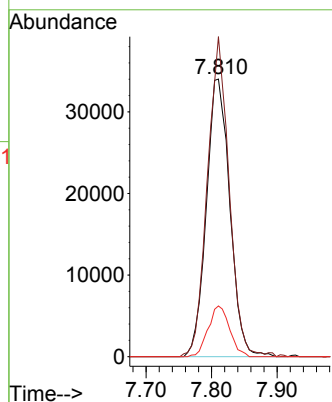
Tgt Ion:113 Resp: 84719

Ion Ratio Lower Upper

113 100

111 106.7 84.7 127.1

192 16.7 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 3.924 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078227.D

Acq: 24 Jan 2024 17:05

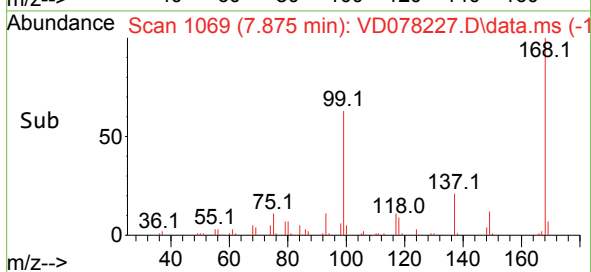
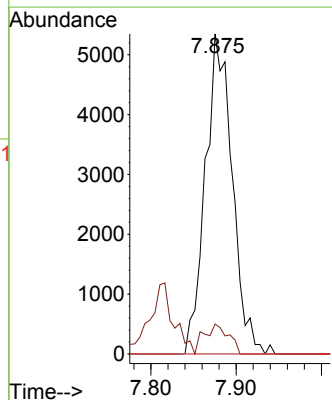
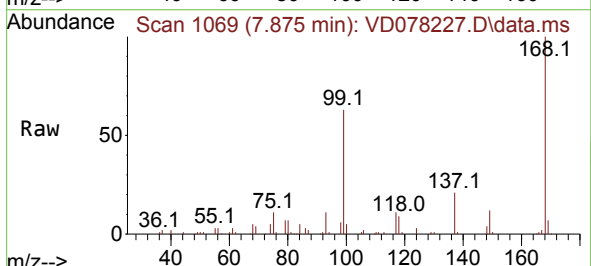
Tgt Ion: 75 Resp: 11751

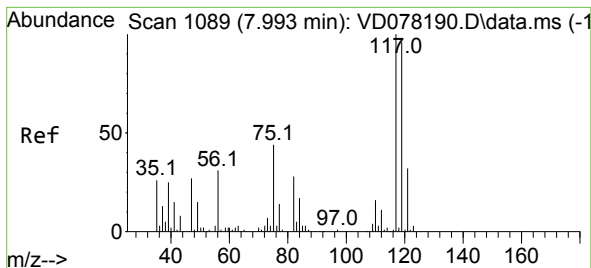
Ion Ratio Lower Upper

75 100

110 8.4 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.685 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078227.D

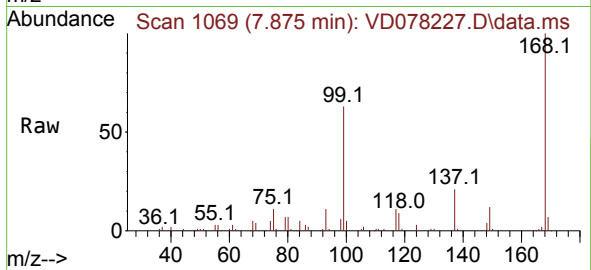
Acq: 24 Jan 2024 17:05

Instrument :

MSVOA_D

ClientSampleId :

293



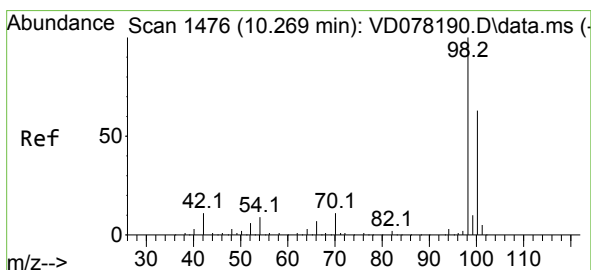
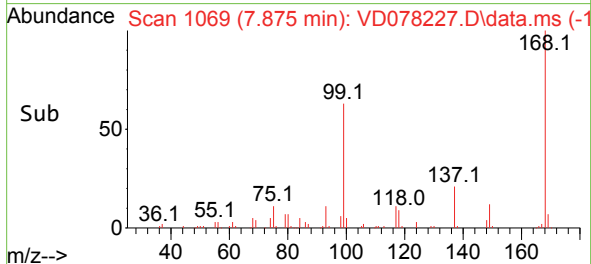
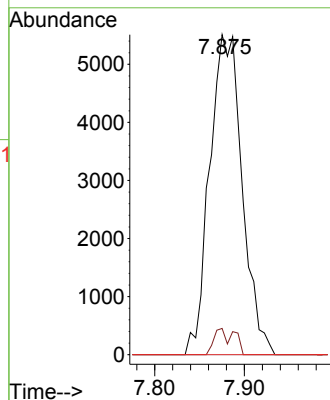
Tgt Ion:117 Resp: 13856

Ion Ratio Lower Upper

117 100

119 8.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.880 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078227.D

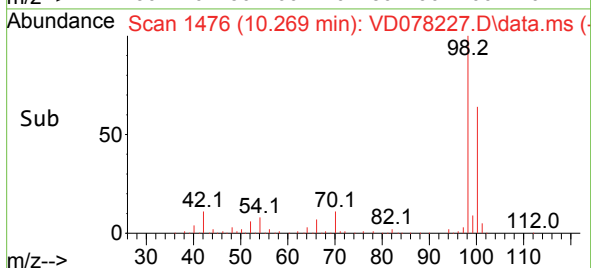
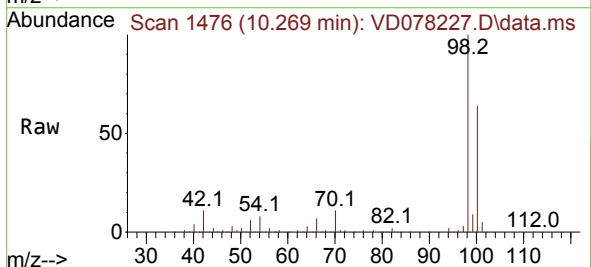
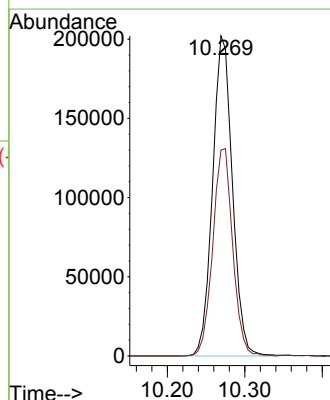
Acq: 24 Jan 2024 17:05

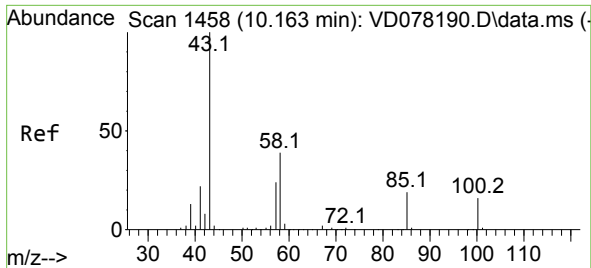
Tgt Ion: 98 Resp: 359686

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

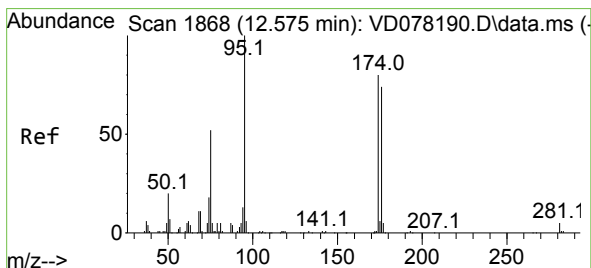
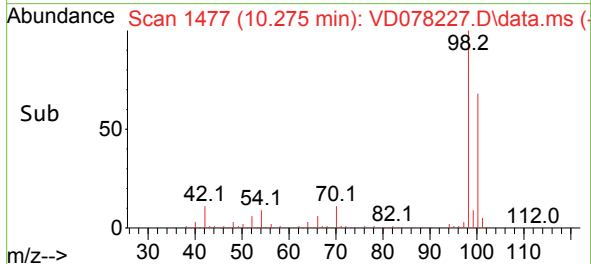
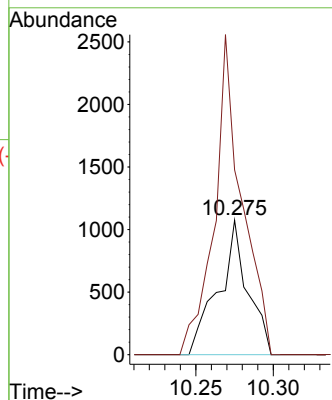
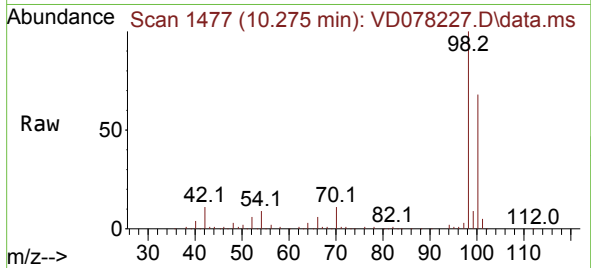




#51
4-Methyl-2-Pentanone
Concen: 1.320 ug/l
RT: 10.275 min Scan# 1458
Delta R.T. 0.112 min
Lab File: VD078227.D
Acq: 24 Jan 2024 17:05

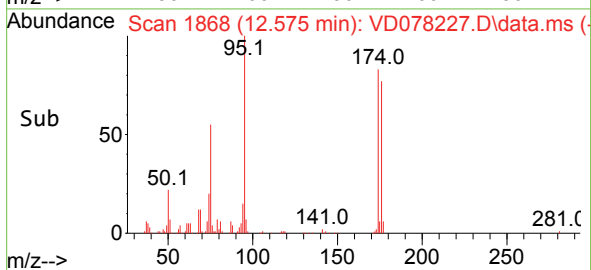
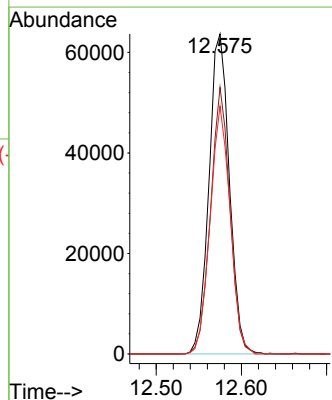
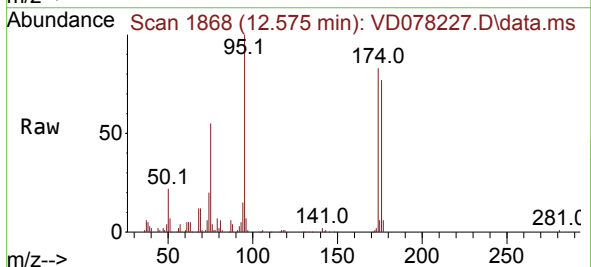
Instrument :
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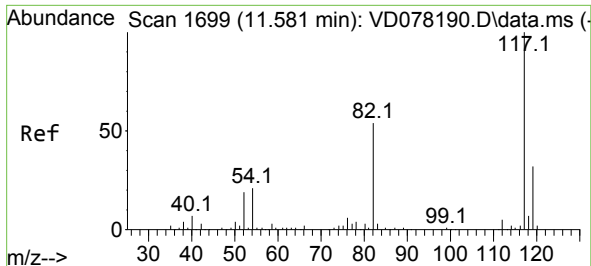
Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 221.3 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 50.633 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078227.D
Acq: 24 Jan 2024 17:05

Tgt Ion: 95 Resp: 105885
Ion Ratio Lower Upper
95 100
174 79.1 0.0 201.8
176 76.0 0.0 191.8

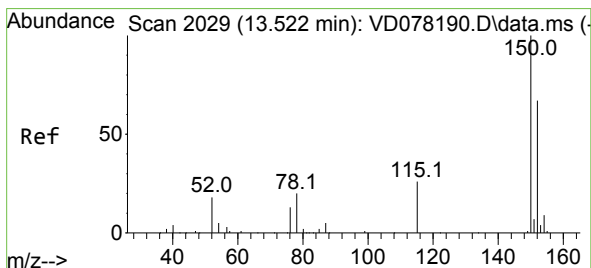
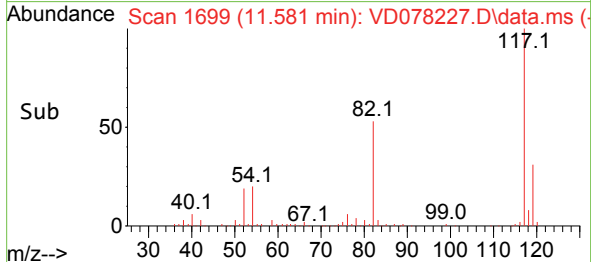
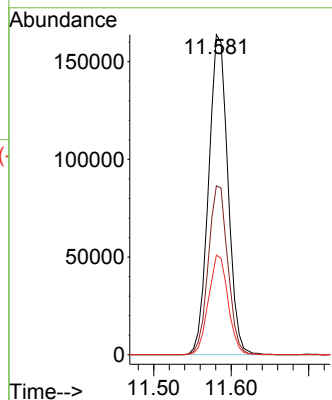
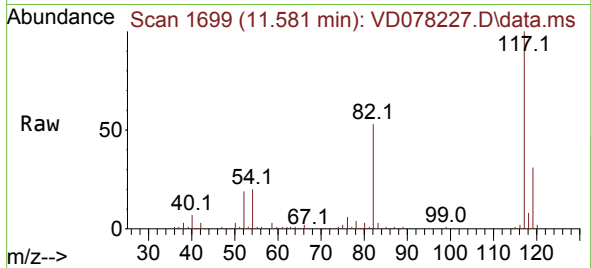




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078227.D
Acq: 24 Jan 2024 17:05

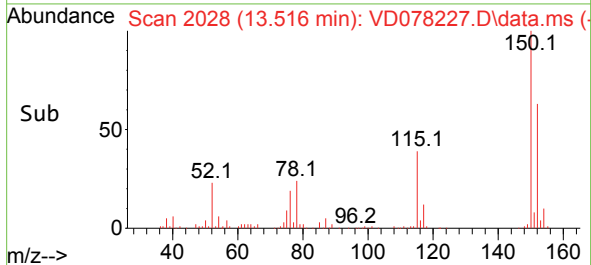
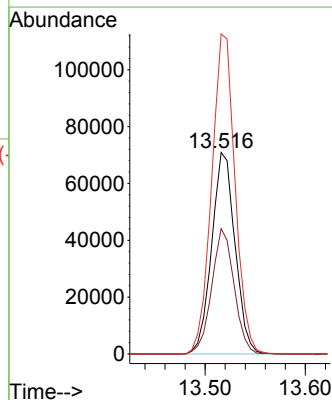
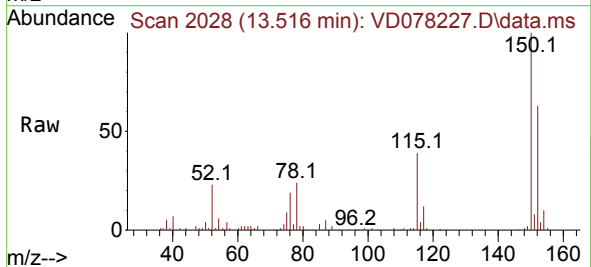
Instrument :
MSVOA_D
ClientSampleId :
293

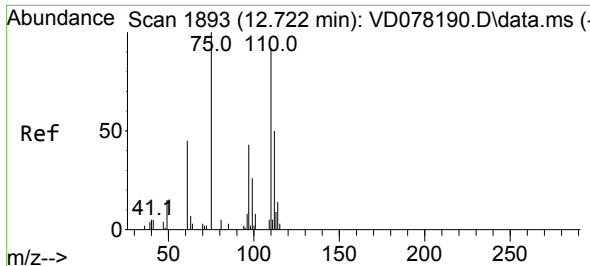
Tgt Ion:117 Resp: 282873
Ion Ratio Lower Upper
117 100
82 52.8 38.3 57.5
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078227.D
Acq: 24 Jan 2024 17:05

Tgt Ion:152 Resp: 114565
Ion Ratio Lower Upper
152 100
115 59.8 27.1 81.3
150 159.1 0.0 353.6

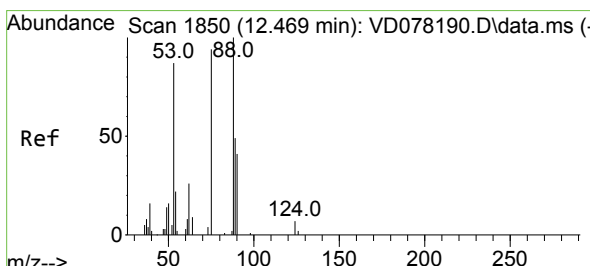
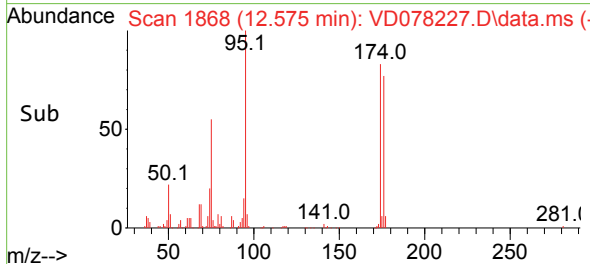
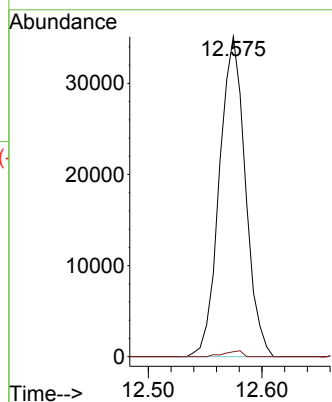
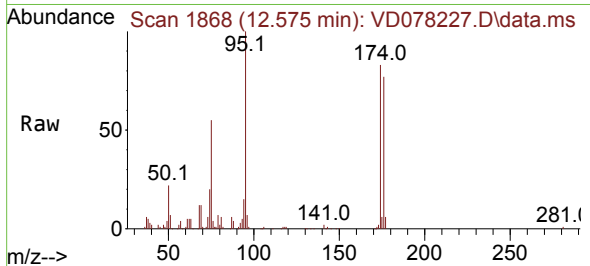




#76
1,2,3-Trichloropropane
Concen: 50.809 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078227.D
Acq: 24 Jan 2024 17:05

Instrument :
MSVOA_D
ClientSampleId :
293

Tgt Ion: 75 Resp: 55830
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.444 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078227.D
Acq: 24 Jan 2024 17:05

Tgt Ion: 75 Resp: 55830
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#

