

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020924\
 Data File : VD078387.D
 Acq On : 09 Feb 2024 16:03
 Operator : RP/MD
 Sample : P1394-02RE
 Misc : 4.20G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2(3-4)RE

Quant Time: Feb 09 23:01:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

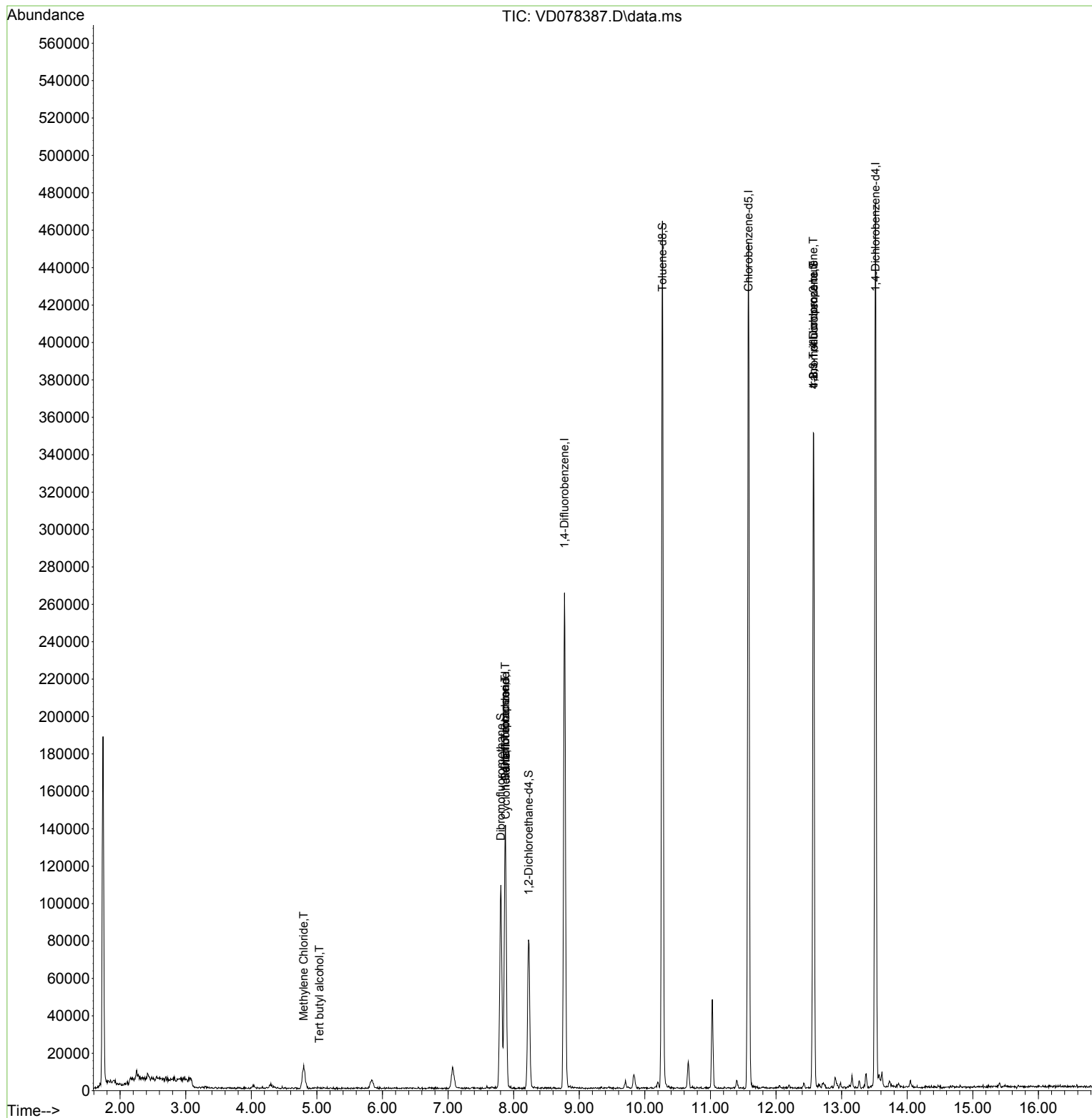
Internal Standards						
1) Pentafluorobenzene	7.875	168	104913	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	233922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	257856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63233	48.687	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.380%
35) Dibromofluoromethane	7.804	113	77647	46.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.240%
50) Toluene-d8	10.269	98	313358	49.699	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.575	95	105677	55.967	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	110	1.328	ug/l	# 73
16) Acetone	4.028	43	2369	Below Cal	#	85
20) Methylene Chloride	4.798	84	9126	3.140	ug/l	# 82
31) Cyclohexane	7.881	56	2635	1.083	ug/l	# 60
36) 1,1-Dichloropropene	7.869	75	8856	3.207	ug/l	# 49
38) Carbon Tetrachloride	7.875	117	11358	4.183	ug/l	# 16
76) 1,2,3-Trichloropropane	12.569	75	58860	46.747	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	58860	92.970	ug/l	# 17

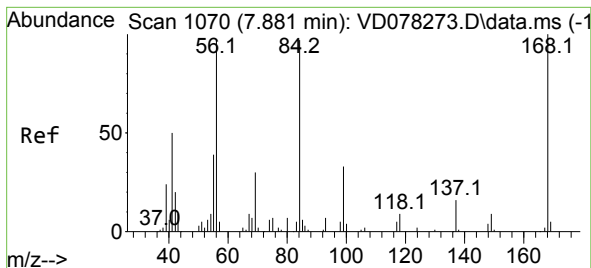
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

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MSVOA_D

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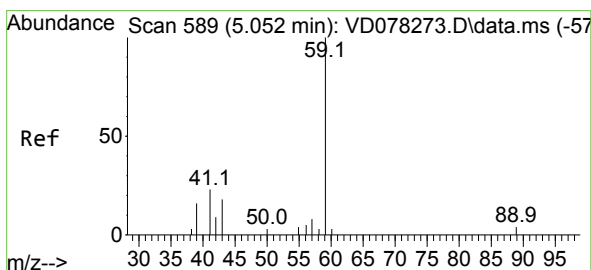
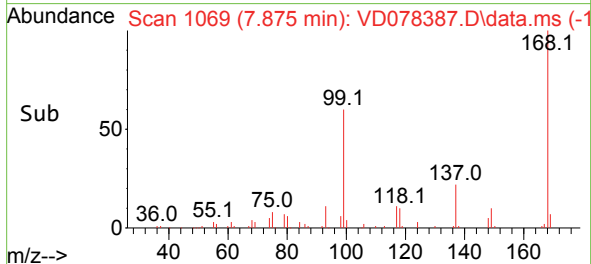
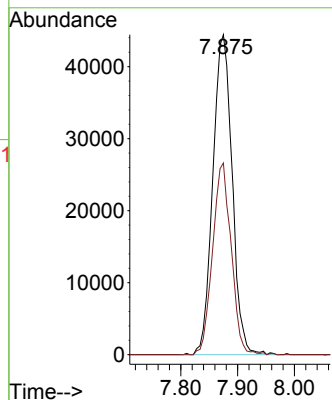
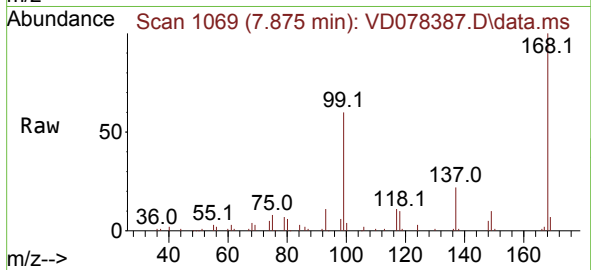
SB-2(3-4)RE

Tgt Ion:168 Resp: 104913

Ion Ratio Lower Upper

168 100

99 59.9 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.328 ug/l

RT: 5.040 min Scan# 587

Delta R.T. -0.012 min

Lab File: VD078387.D

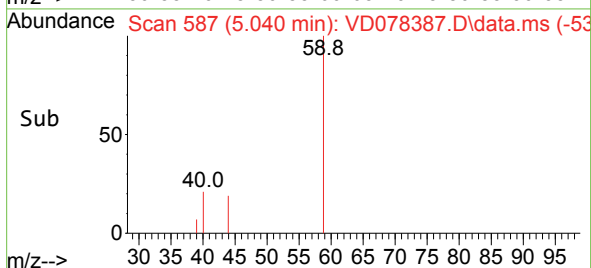
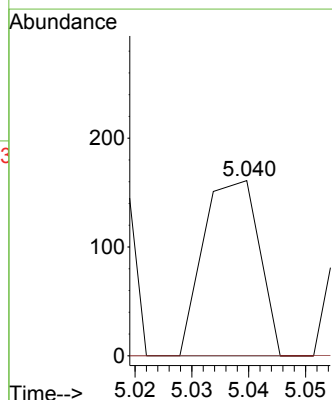
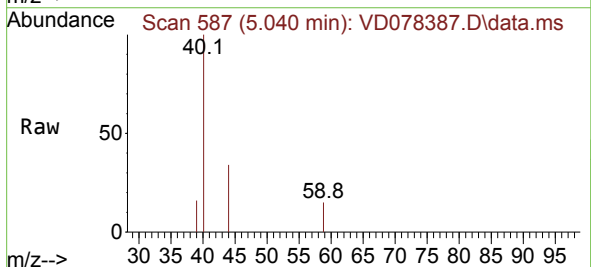
Acq: 09 Feb 2024 16:03

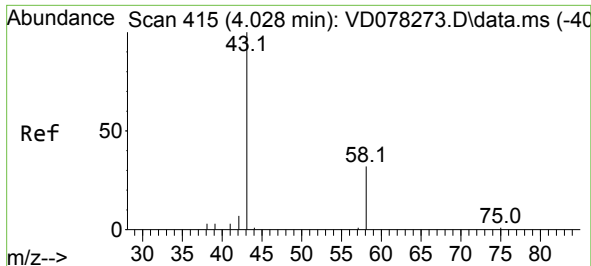
Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

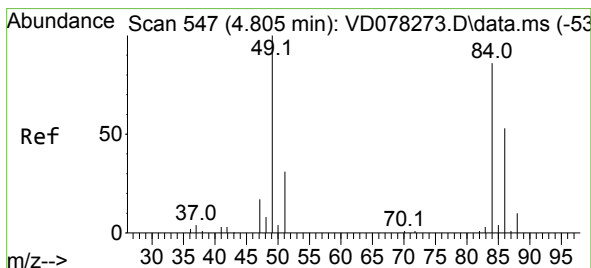
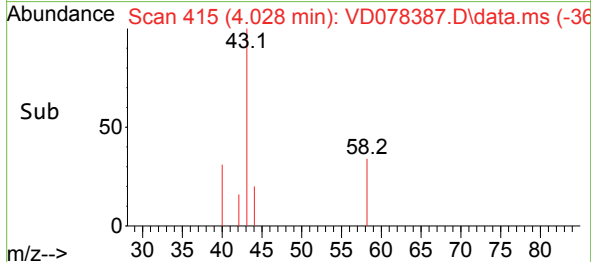
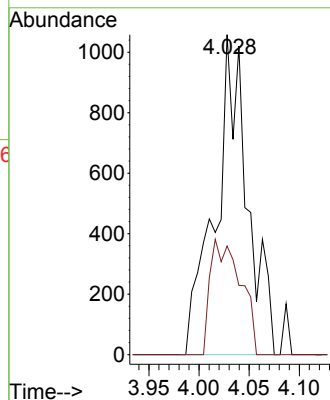
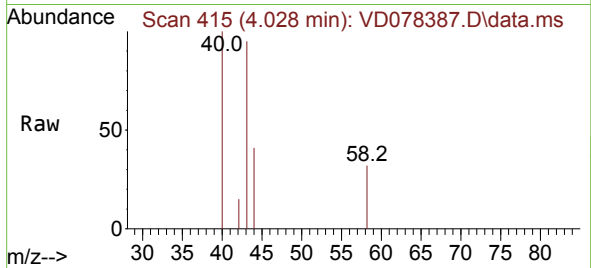




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. -0.000 min
Lab File: VD078387.D
Acq: 09 Feb 2024 16:03

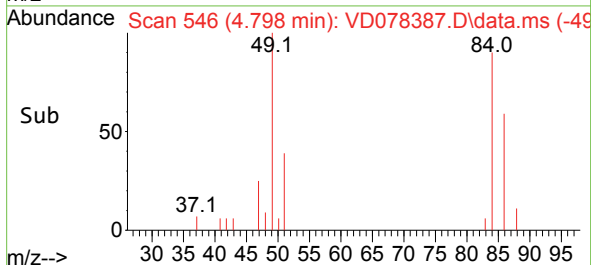
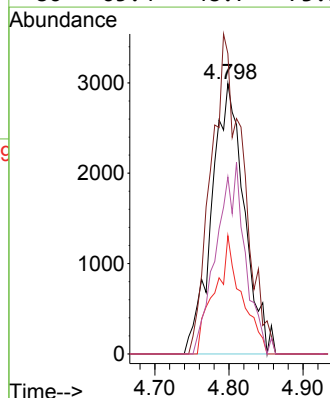
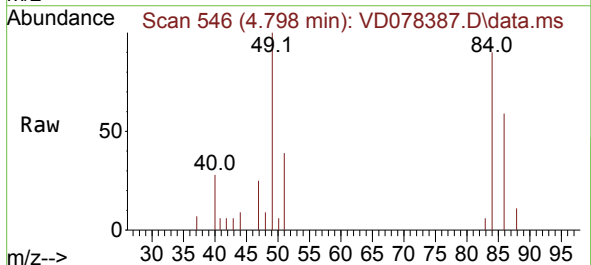
Instrument :
MSVOA_D
ClientSampleId :
SB-2(3-4)RE

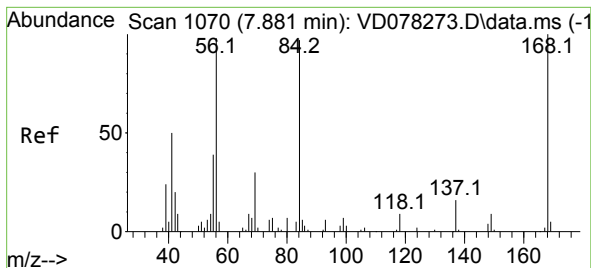
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
58 33.9 34.7 52.1#



#20
Methylene Chloride
Concen: 3.140 ug/l
RT: 4.798 min Scan# 546
Delta R.T. -0.007 min
Lab File: VD078387.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 84 Resp: 9126
Ion Ratio Lower Upper
84 100
49 111.1 71.4 107.2#
51 43.7 24.5 36.7#
86 65.4 48.7 73.1





#31

Cyclohexane

Concen: 1.083 ug/l

RT: 7.881 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_D

ClientSampleId :

SB-2(3-4)RE

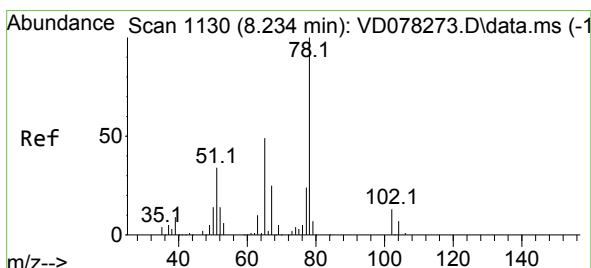
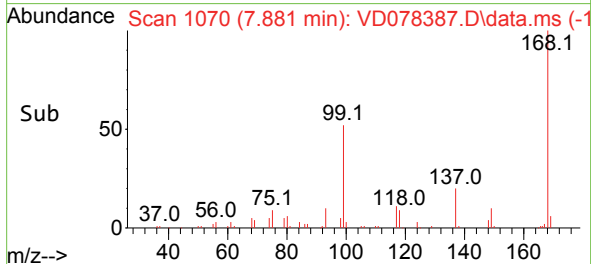
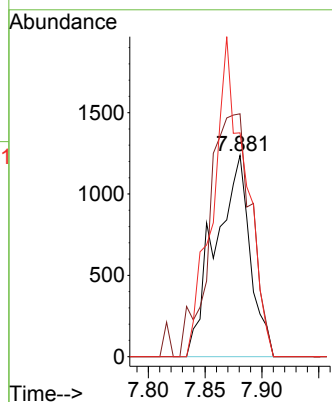
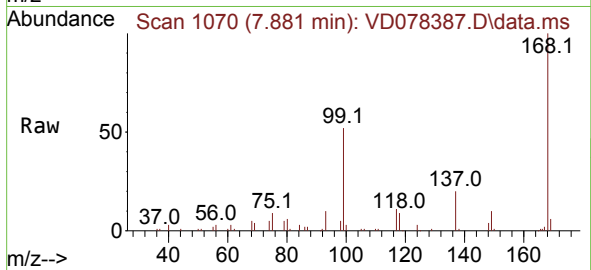
Tgt Ion: 56 Resp: 2635

Ion Ratio Lower Upper

56 100

69 120.7 28.6 43.0#

84 111.2 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 48.687 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078387.D

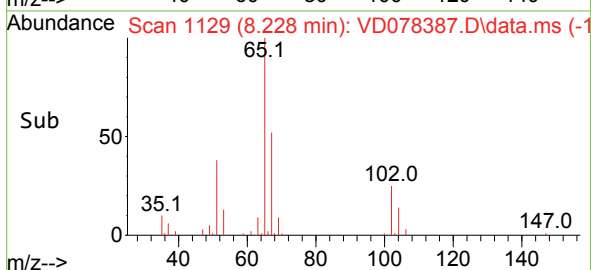
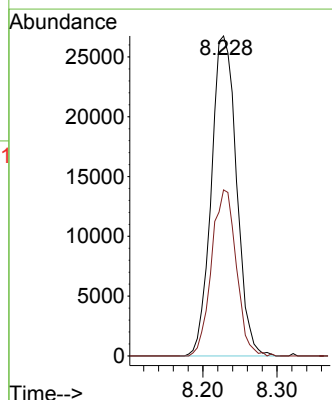
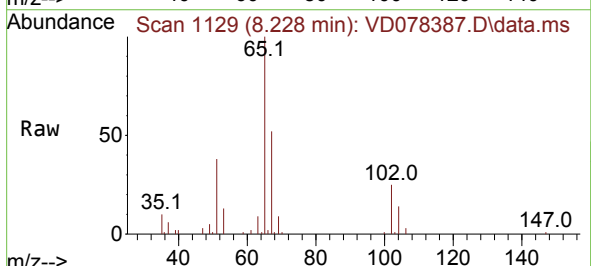
Acq: 09 Feb 2024 16:03

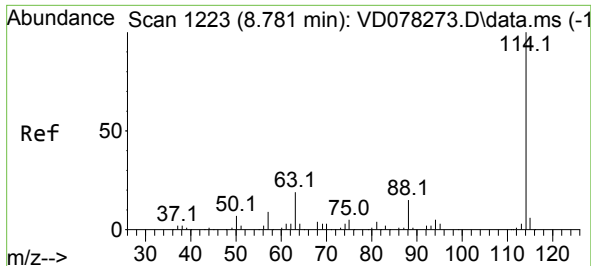
Tgt Ion: 65 Resp: 63233

Ion Ratio Lower Upper

65 100

67 50.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_D

ClientSampleId :

SB-2(3-4)RE

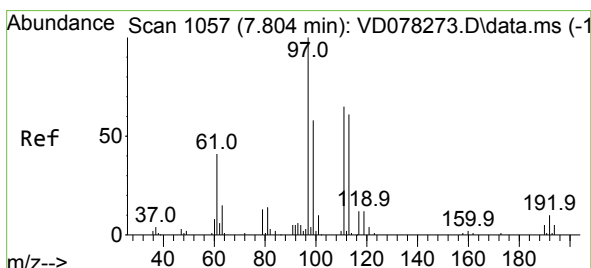
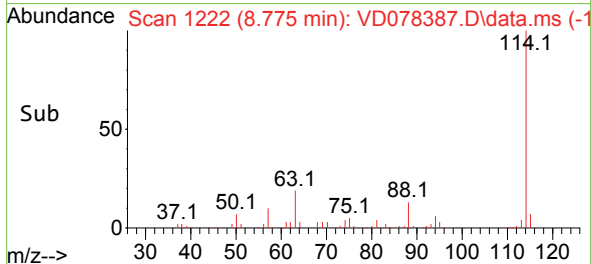
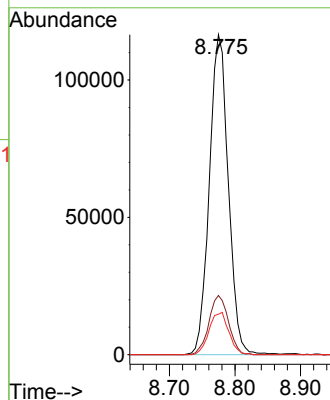
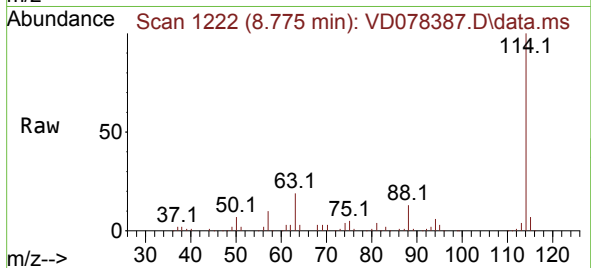
Tgt Ion:114 Resp: 233922

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.625 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

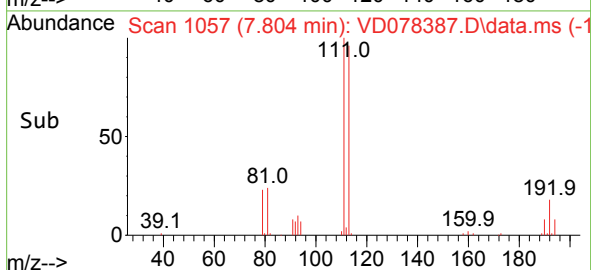
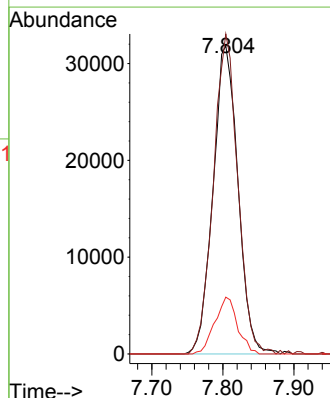
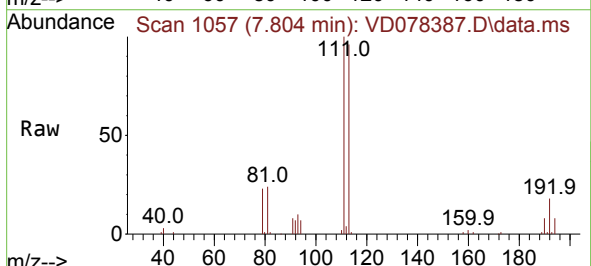
Tgt Ion:113 Resp: 77647

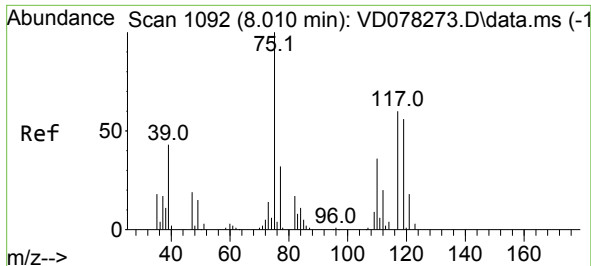
Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 16.7 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 3.207 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_D

ClientSampleId :

SB-2(3-4)RE

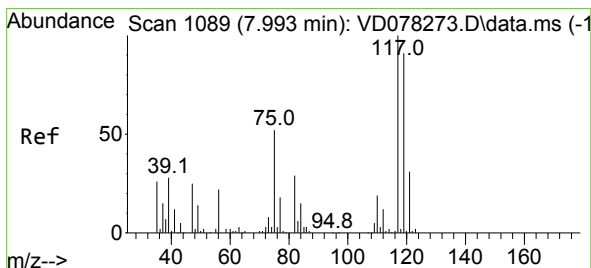
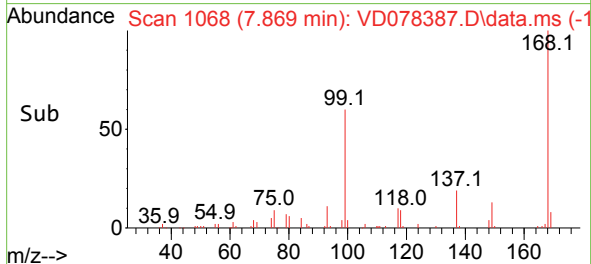
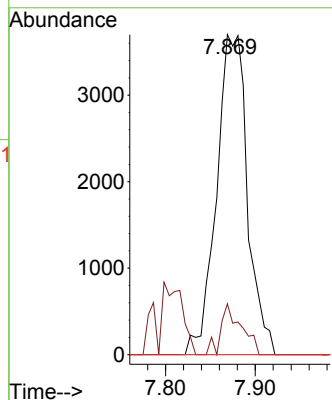
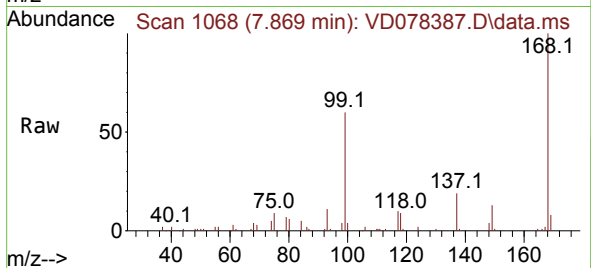
Tgt Ion: 75 Resp: 8856

Ion Ratio Lower Upper

75 100

110 10.6 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.183 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

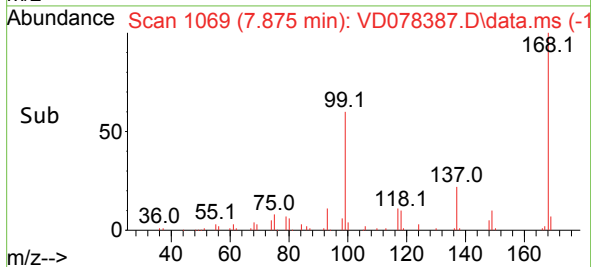
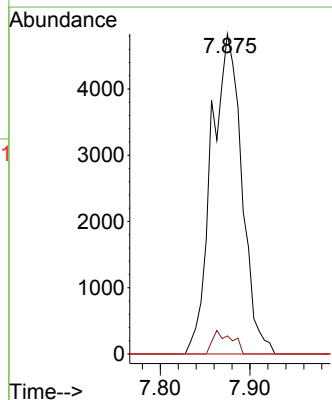
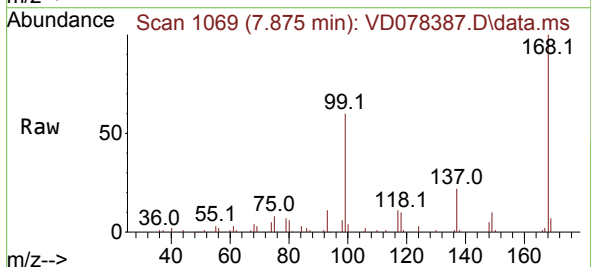
Tgt Ion: 117 Resp: 11358

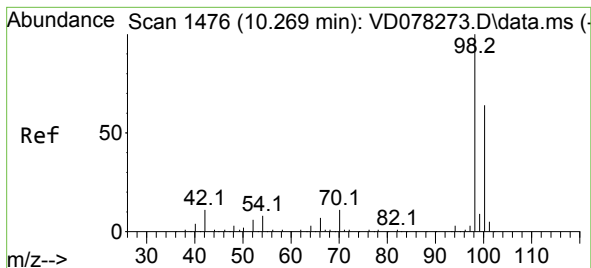
Ion Ratio Lower Upper

117 100

119 5.7 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 49.699 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

Instrument :

MSVOA_D

ClientSampleId :

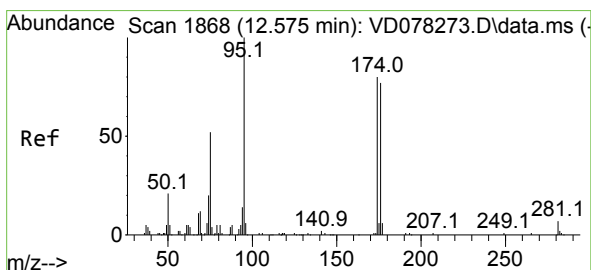
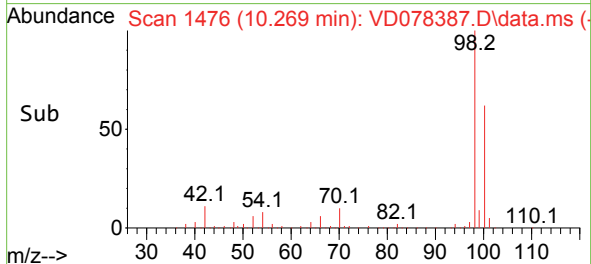
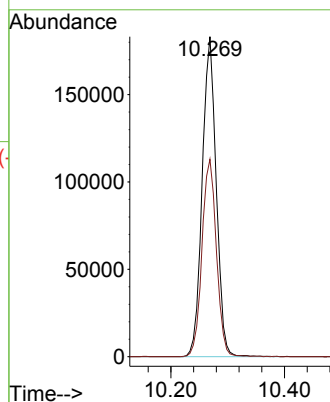
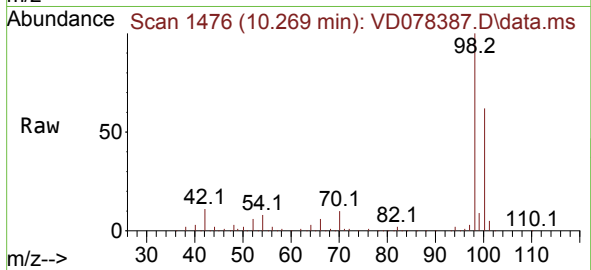
SB-2(3-4)RE

Tgt Ion: 98 Resp: 313358

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 55.967 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078387.D

Acq: 09 Feb 2024 16:03

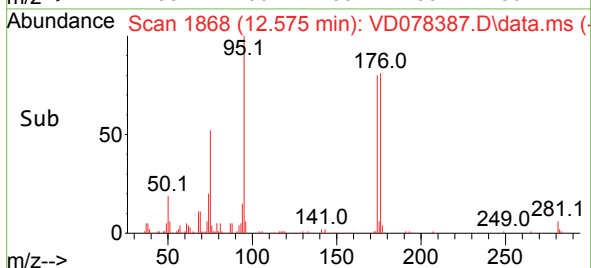
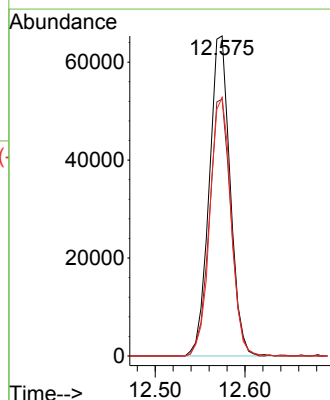
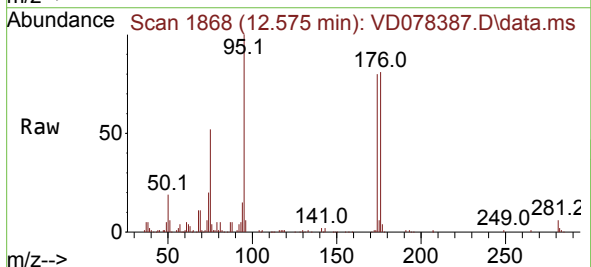
Tgt Ion: 95 Resp: 105677

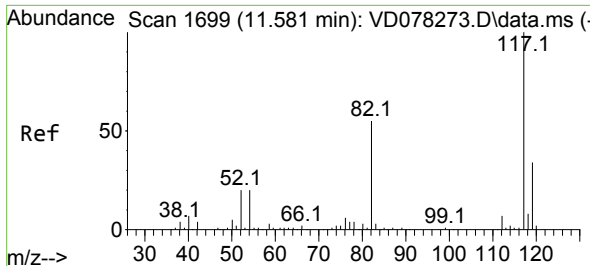
Ion Ratio Lower Upper

95 100

174 82.3 0.0 201.8

176 81.4 0.0 191.8

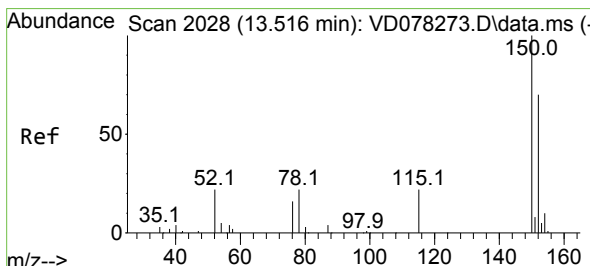
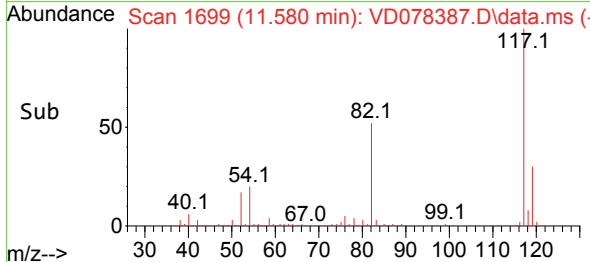
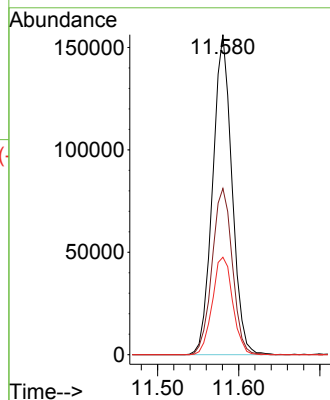
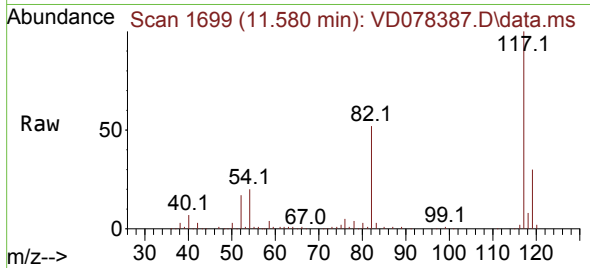




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD078387.D
Acq: 09 Feb 2024 16:03

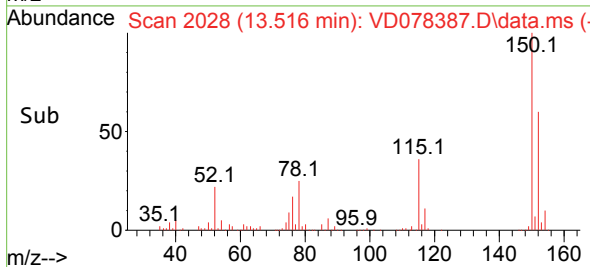
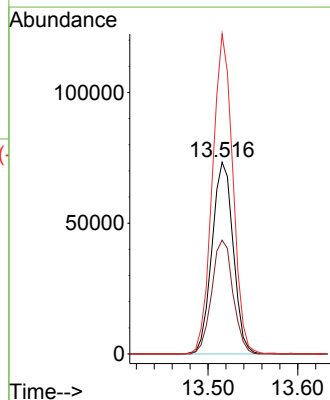
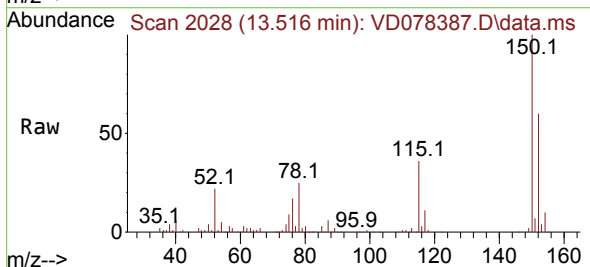
Instrument :
MSVOA_D
ClientSampleId :
SB-2(3-4)RE

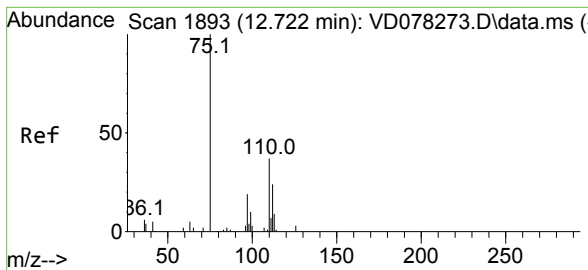
Tgt Ion:117 Resp: 257856
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 30.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078387.D
Acq: 09 Feb 2024 16:03

Tgt Ion:152 Resp: 120468
Ion Ratio Lower Upper
152 100
115 59.7 27.1 81.3
150 160.5 0.0 353.6

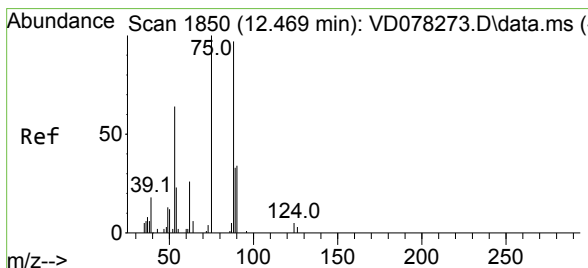
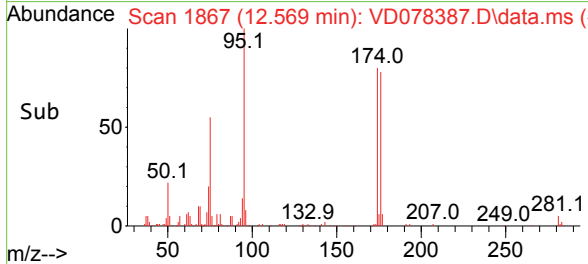
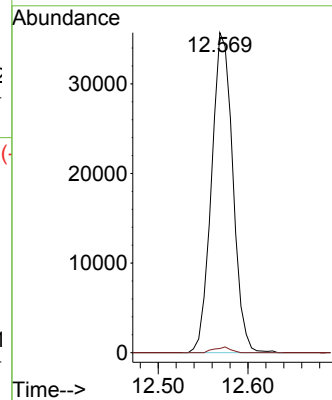
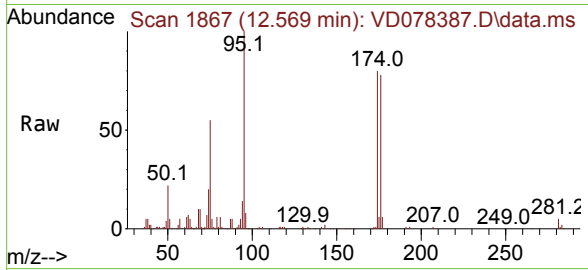




#76
1,2,3-Trichloropropane
Concen: 46.747 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078387.D
Acq: 09 Feb 2024 16:03

Instrument :
MSVOA_D
ClientSampleId :
SB-2(3-4)RE

Tgt Ion: 75 Resp: 58860
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.970 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078387.D
Acq: 09 Feb 2024 16:03

Tgt Ion: 75 Resp: 58860
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#

