

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031524\
 Data File : VD078682.D
 Acq On : 15 Mar 2024 12:34
 Operator : RP/MD
 Sample : P1746-13
 Misc : 5.06G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-4.0-6.0

Quant Time: Mar 16 05:25:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

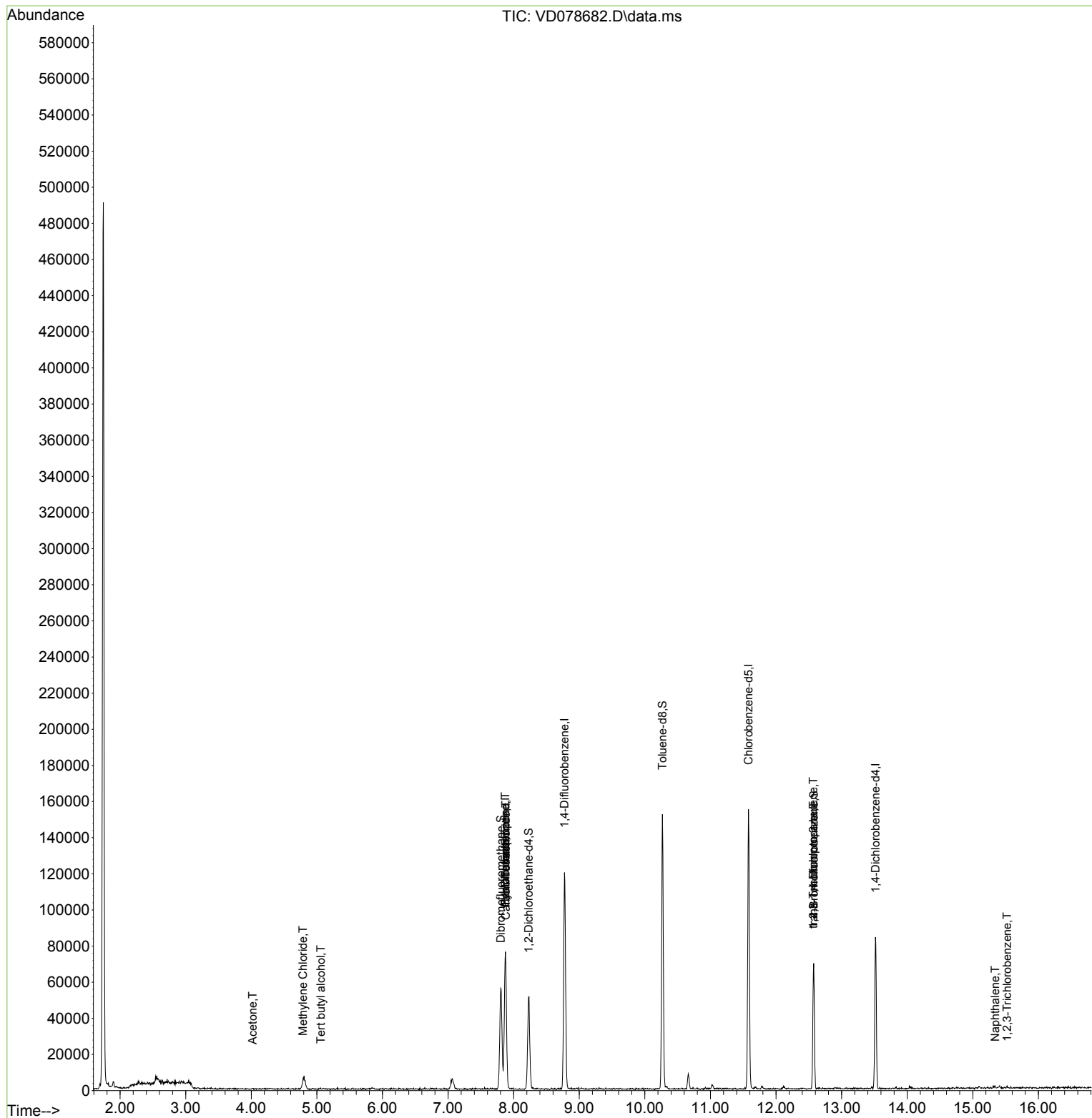
Internal Standards						
1) Pentafluorobenzene	7.875	168	60392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	112453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	91413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	24070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	38017	67.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.340%	
35) Dibromofluoromethane	7.804	113	40851	56.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.840%	
50) Toluene-d8	10.269	98	107050	40.203	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 80.400%	
62) 4-Bromofluorobenzene	12.575	95	20632	26.485	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 52.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	131	5.172	ug/l #	75
16) Acetone	4.022	43	254	2.321	ug/l #	39
20) Methylene Chloride	4.787	84	5138	2.232	ug/l #	86
31) Cyclohexane	7.875	56	1374	1.444	ug/l #	73
36) 1,1-Dichloropropene	7.875	75	4614	4.392	ug/l #	41
38) Carbon Tetrachloride	7.881	117	6108	5.515	ug/l #	15
76) 1,2,3-Trichloropropane	12.569	75	10426	56.222	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	10426	117.849	ug/l #	19
95) Naphthalene	15.339	128	1284	1.772	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.522	180	559	1.550	ug/l #	76

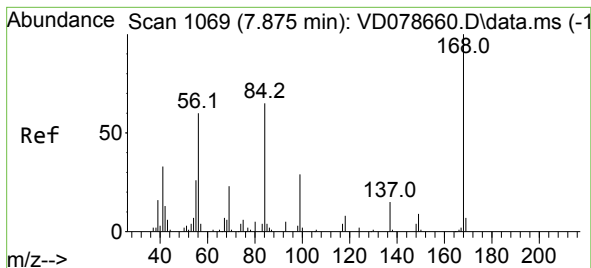
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 05:25:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 2024
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: VD078682.D

Acq: 15 Mar 2024 12:34

Instrument :

MSVOA_D

ClientSampleId :

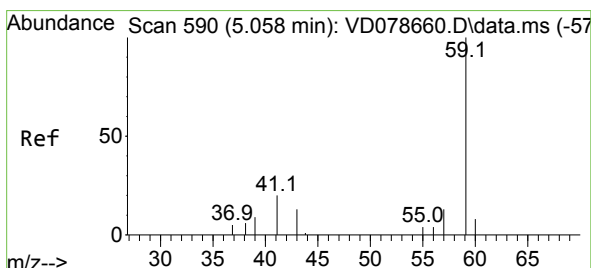
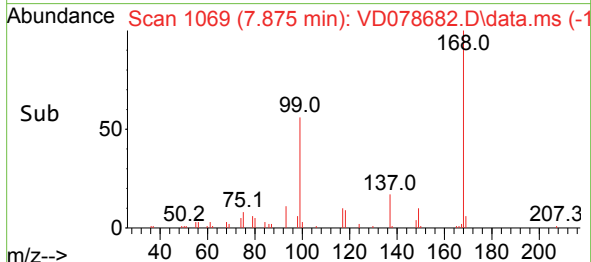
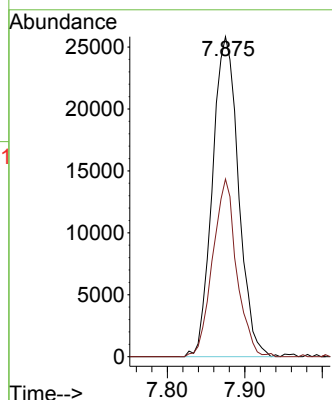
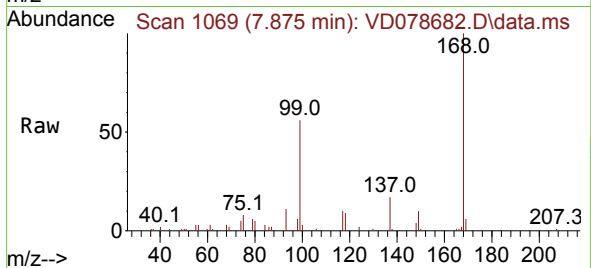
SB-04-4.0-6.0

Tgt Ion:168 Resp: 60392

Ion Ratio Lower Upper

168 100

99 55.5 38.8 58.2



#11

Tert butyl alcohol

Concen: 5.172 ug/l

RT: 5.058 min Scan# 590

Delta R.T. -0.000 min

Lab File: VD078682.D

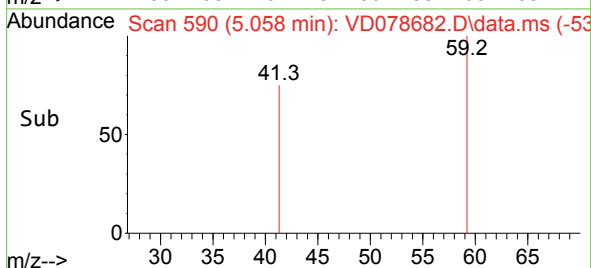
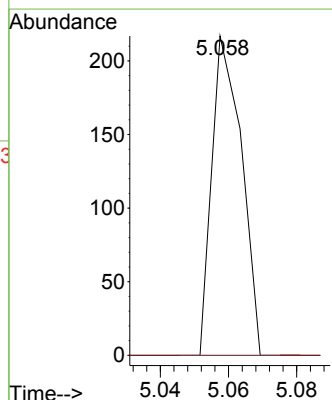
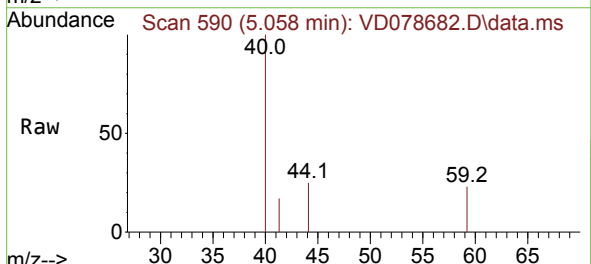
Acq: 15 Mar 2024 12:34

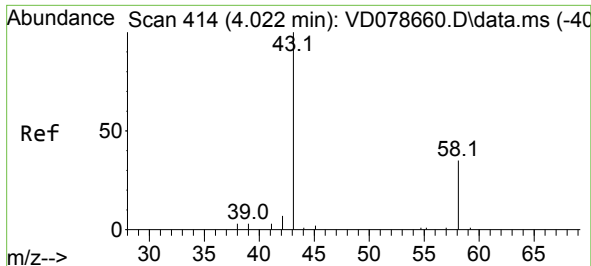
Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.321 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

Instrument :

MSVOA_D

ClientSampleId :

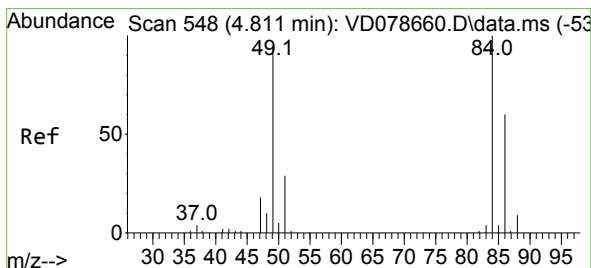
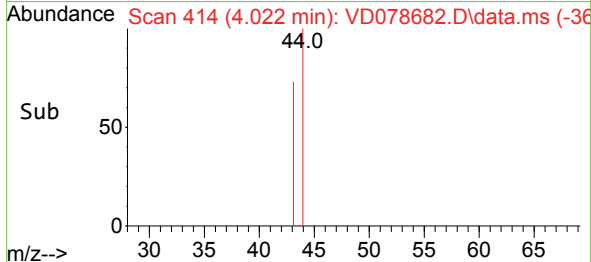
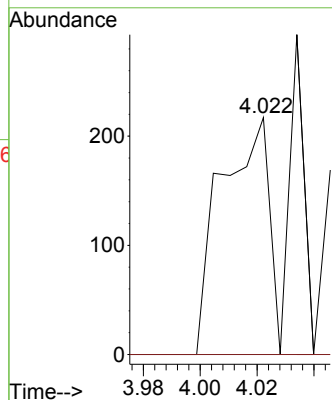
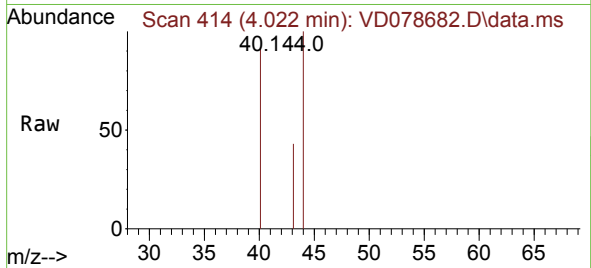
SB-04-4.0-6.0

Tgt Ion: 43 Resp: 254

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.4#



#20

Methylene Chloride

Concen: 2.232 ug/l

RT: 4.787 min Scan# 544

Delta R.T. -0.024 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

Tgt Ion: 84 Resp: 5138

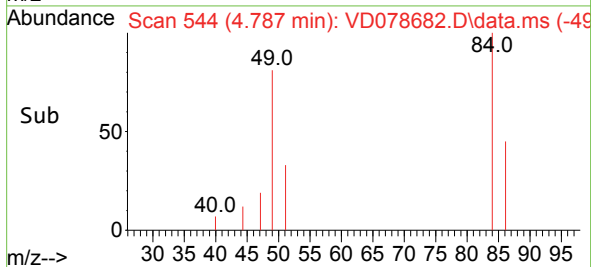
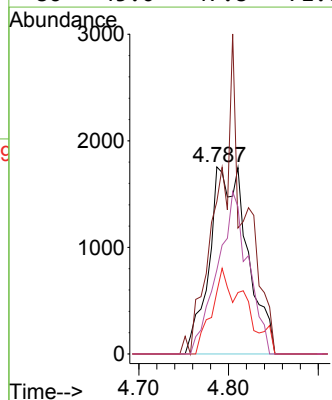
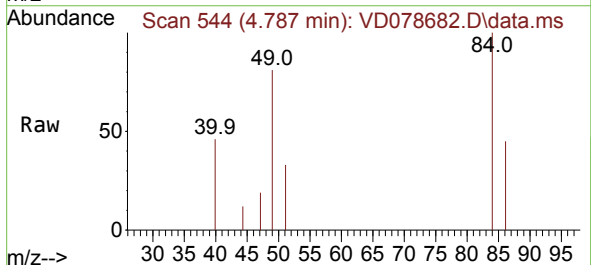
Ion Ratio Lower Upper

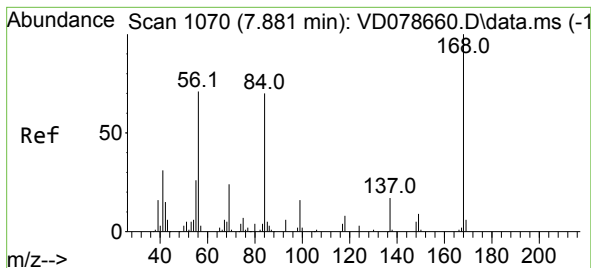
84 100

49 81.5 75.6 113.4

51 33.1 23.4 35.0

86 45.0 47.8 71.6#





#31

Cyclohexane

Concen: 1.444 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

Instrument :

MSVOA_D

ClientSampleId :

SB-04-4.0-6.0

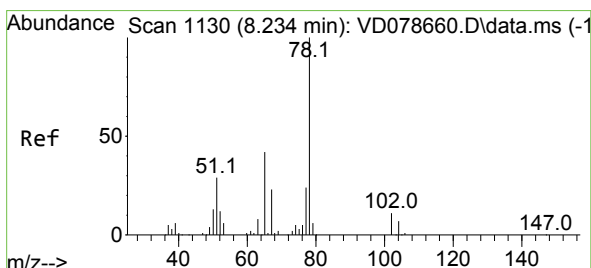
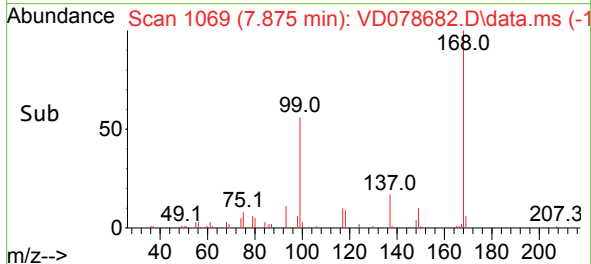
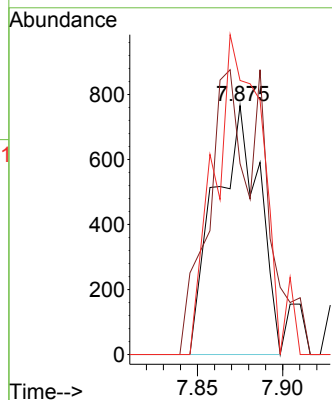
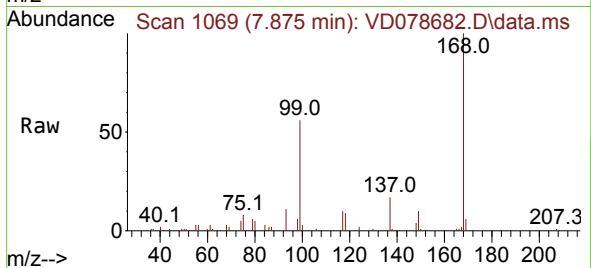
Tgt Ion: 56 Resp: 1374

Ion Ratio Lower Upper

56 100

69 76.8 26.6 40.0#

84 110.1 79.4 119.2



#33

1,2-Dichloroethane-d4

Concen: 67.171 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078682.D

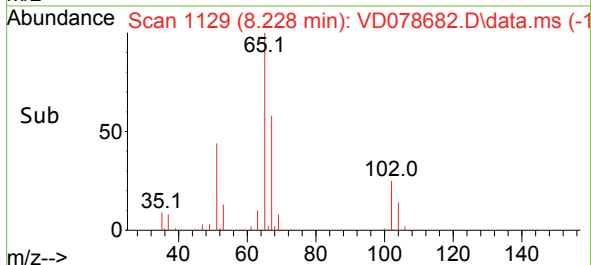
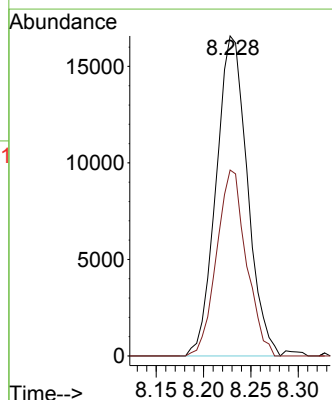
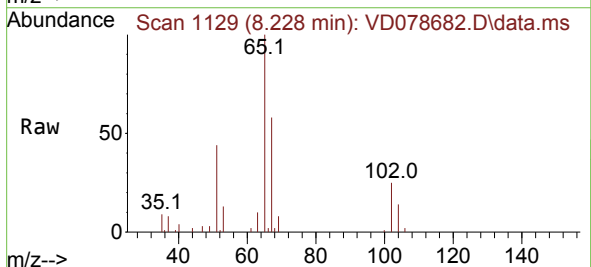
Acq: 15 Mar 2024 12:34

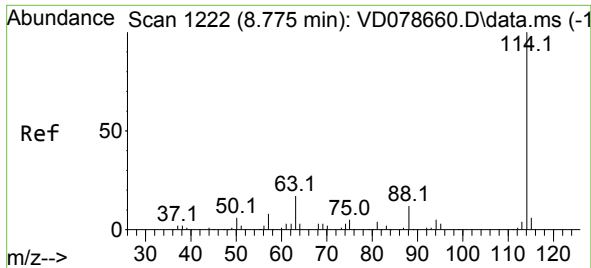
Tgt Ion: 65 Resp: 38017

Ion Ratio Lower Upper

65 100

67 55.3 0.0 110.2

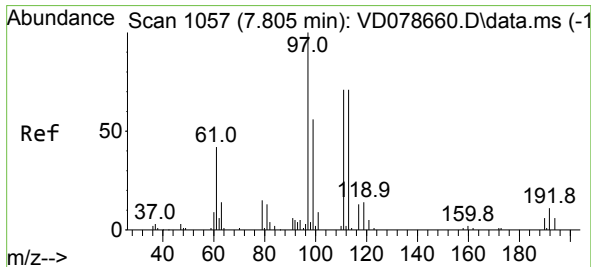
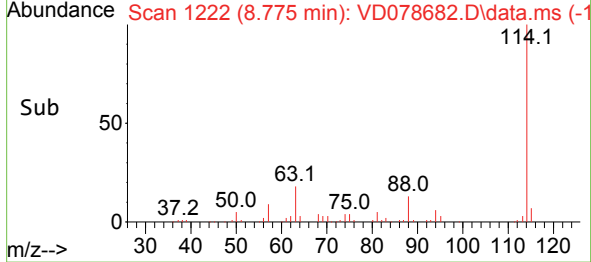
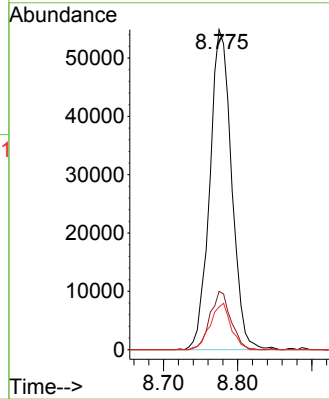
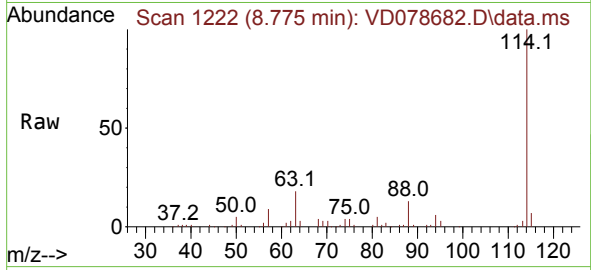




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

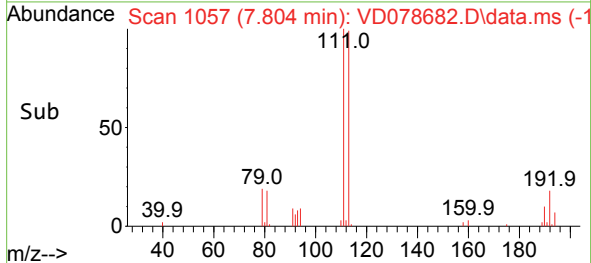
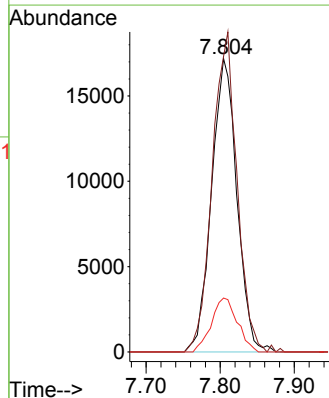
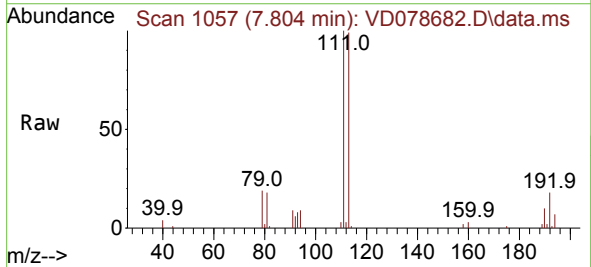
Instrument :
MSVOA_D
ClientSampleId :
SB-04-4.0-6.0

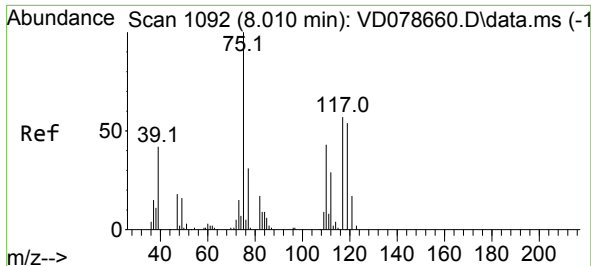
Tgt Ion:114 Resp: 112453
Ion Ratio Lower Upper
114 100
63 18.2 0.0 33.4
88 13.3 0.0 24.6



#35
Dibromofluoromethane
Concen: 56.422 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

Tgt Ion:113 Resp: 40851
Ion Ratio Lower Upper
113 100
111 106.6 81.9 122.9
192 18.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.392 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

Instrument :

MSVOA_D

ClientSampleId :

SB-04-4.0-6.0

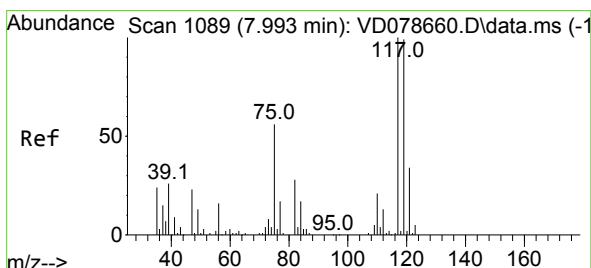
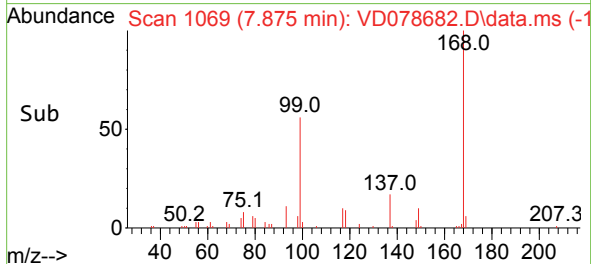
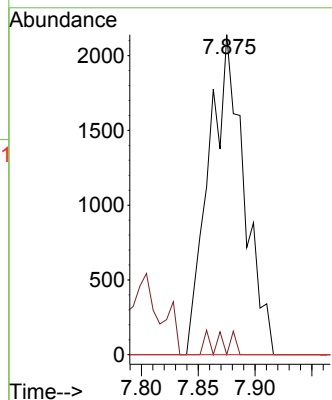
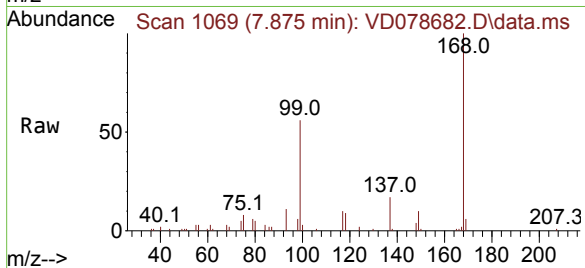
Tgt Ion: 75 Resp: 4614

Ion Ratio Lower Upper

75 100

110 1.3 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.515 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

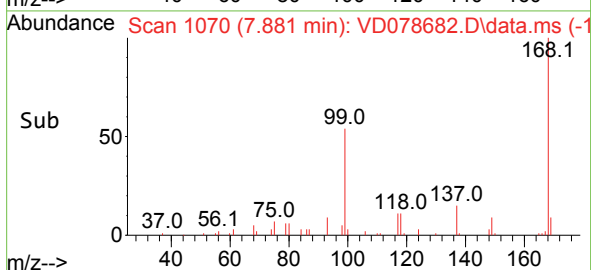
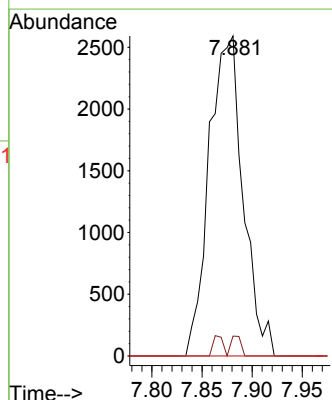
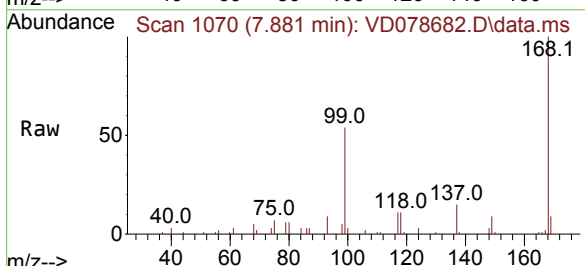
Tgt Ion: 117 Resp: 6108

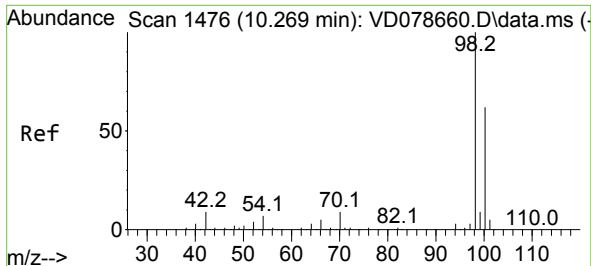
Ion Ratio Lower Upper

117 100

119 6.2 79.2 118.8#

121 0.0 26.8 40.2#

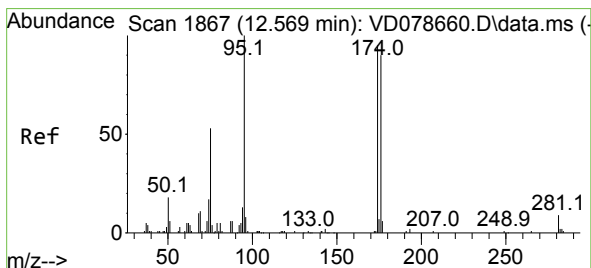
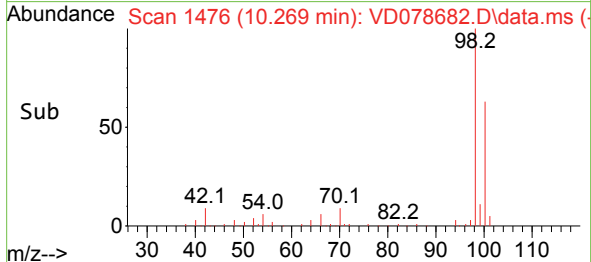
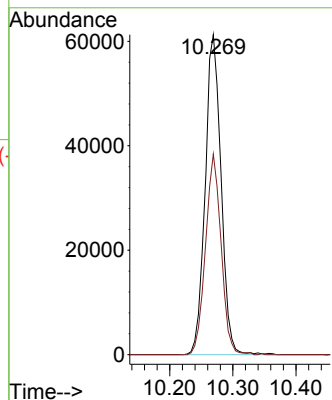
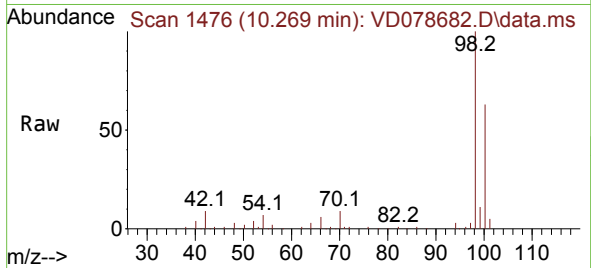




#50
Toluene-d8
Concen: 40.203 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

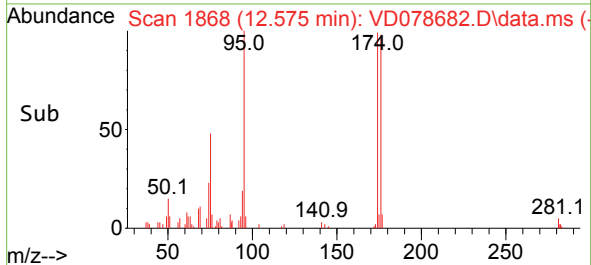
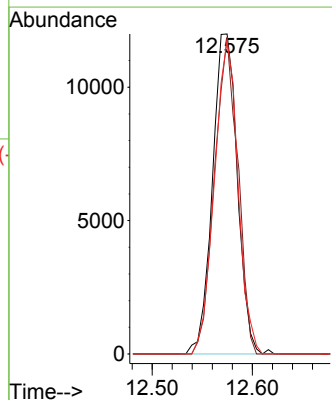
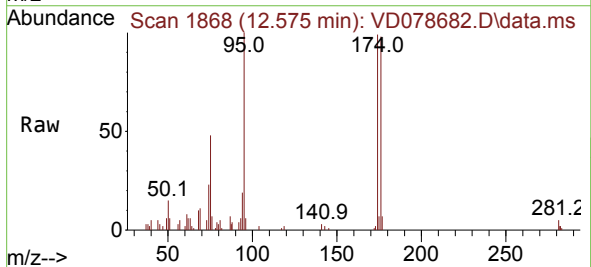
Instrument :
MSVOA_D
ClientSampleId :
SB-04-4.0-6.0

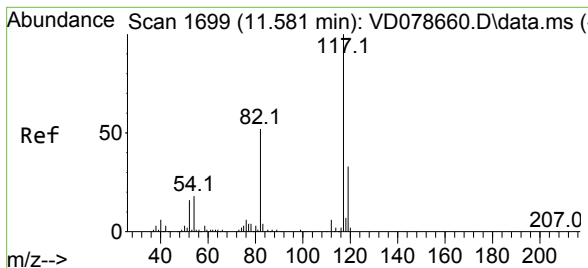
Tgt Ion: 98 Resp: 107050
Ion Ratio Lower Upper
98 100
100 61.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 26.485 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

Tgt Ion: 95 Resp: 20632
Ion Ratio Lower Upper
95 100
174 92.5 0.0 195.2
176 93.0 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

Instrument :

MSVOA_D

ClientSampleId :

SB-04-4.0-6.0

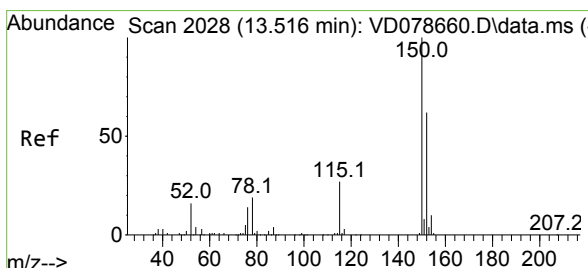
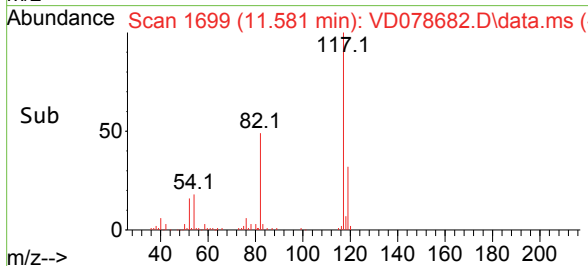
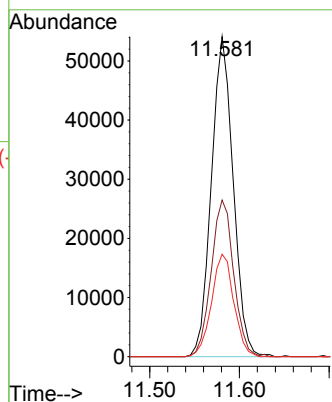
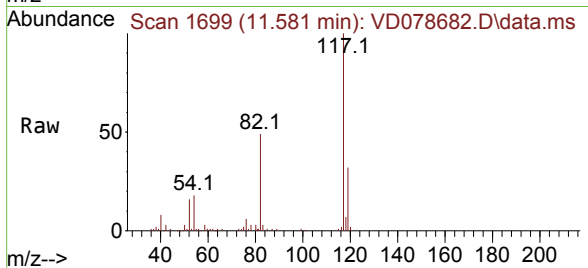
Tgt Ion:117 Resp: 91413

Ion Ratio Lower Upper

117 100

82 49.0 41.4 62.2

119 32.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078682.D

Acq: 15 Mar 2024 12:34

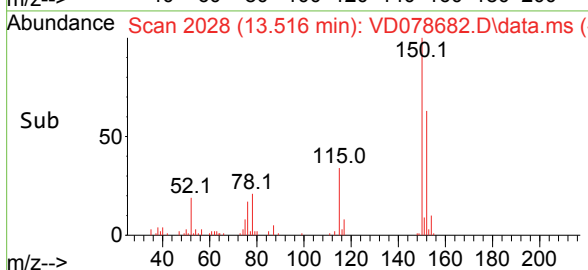
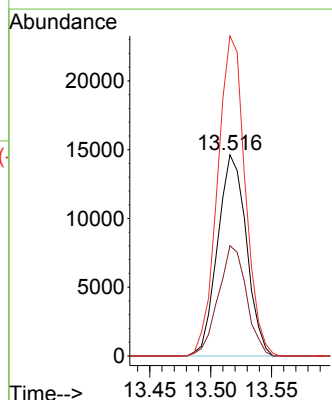
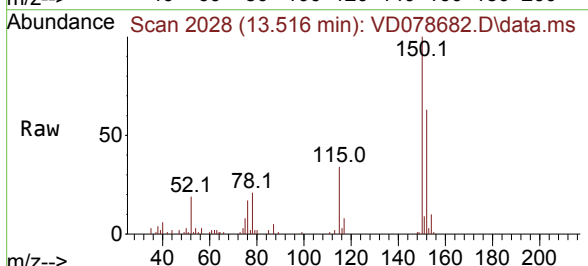
Tgt Ion:152 Resp: 24070

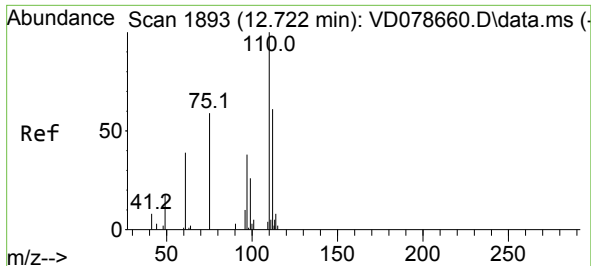
Ion Ratio Lower Upper

152 100

115 53.6 27.1 81.2

150 153.0 0.0 350.2

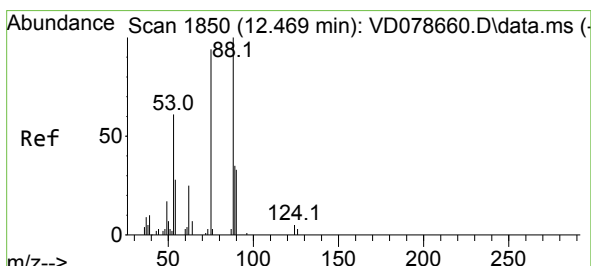
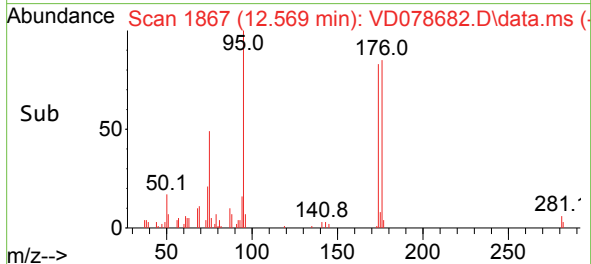
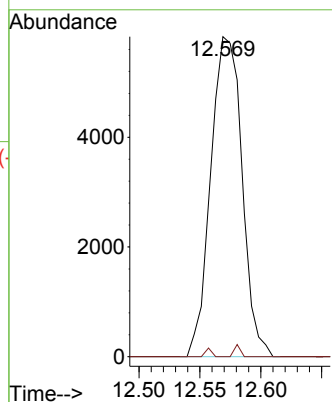
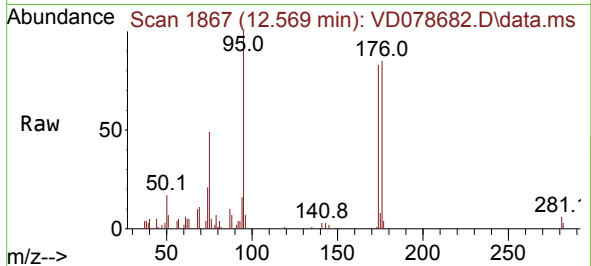




#76
1,2,3-Trichloropropane
Concen: 56.222 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

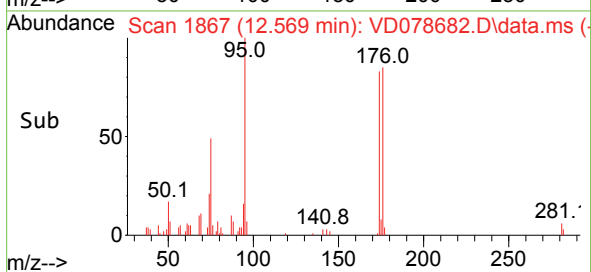
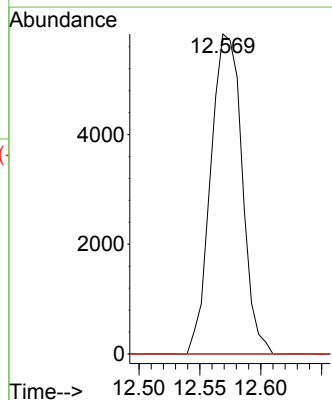
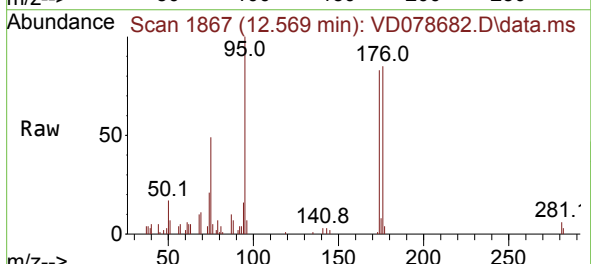
Instrument :
MSVOA_D
ClientSampleId :
SB-04-4.0-6.0

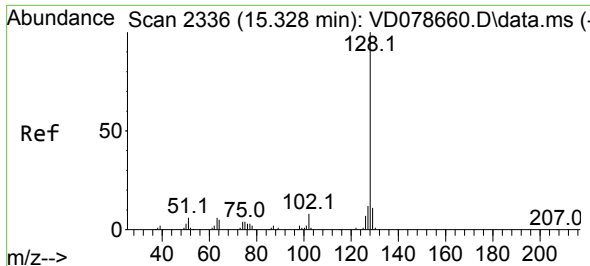
Tgt Ion: 75 Resp: 10426
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.849 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

Tgt Ion: 75 Resp: 10426
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

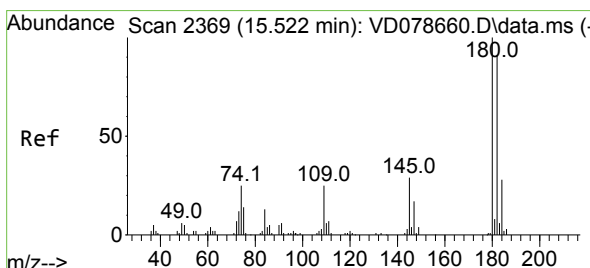
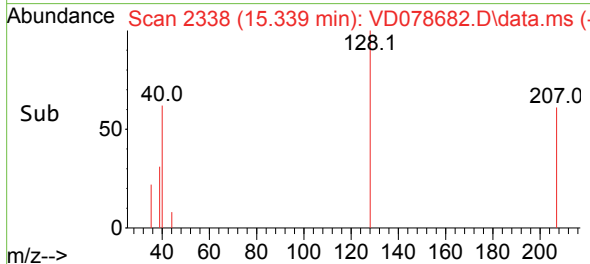
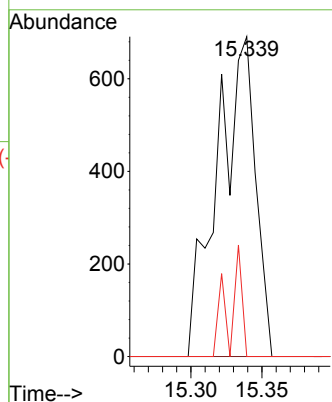
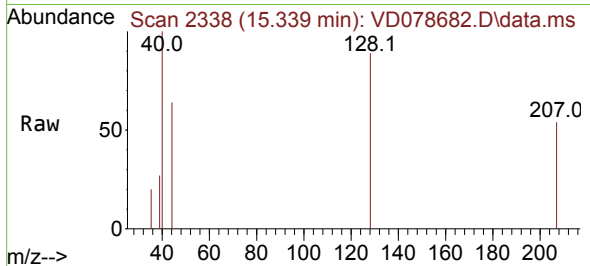




#95
Naphthalene
Concen: 1.772 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.012 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

Instrument :
MSVOA_D
ClientSampleId :
SB-04-4.0-6.0

Tgt Ion:128 Resp: 1284
Ion Ratio Lower Upper
128 100
127 0.0 9.3 13.9#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 1.550 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD078682.D
Acq: 15 Mar 2024 12:34

Tgt Ion:180 Resp: 559
Ion Ratio Lower Upper
180 100
182 78.7 46.7 140.1
145 0.0 14.4 43.4#

