

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078418.D
 Acq On : 14 Feb 2024 17:03
 Operator : RP/MD
 Sample : P1464-01
 Misc : 3.41G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 03:42:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

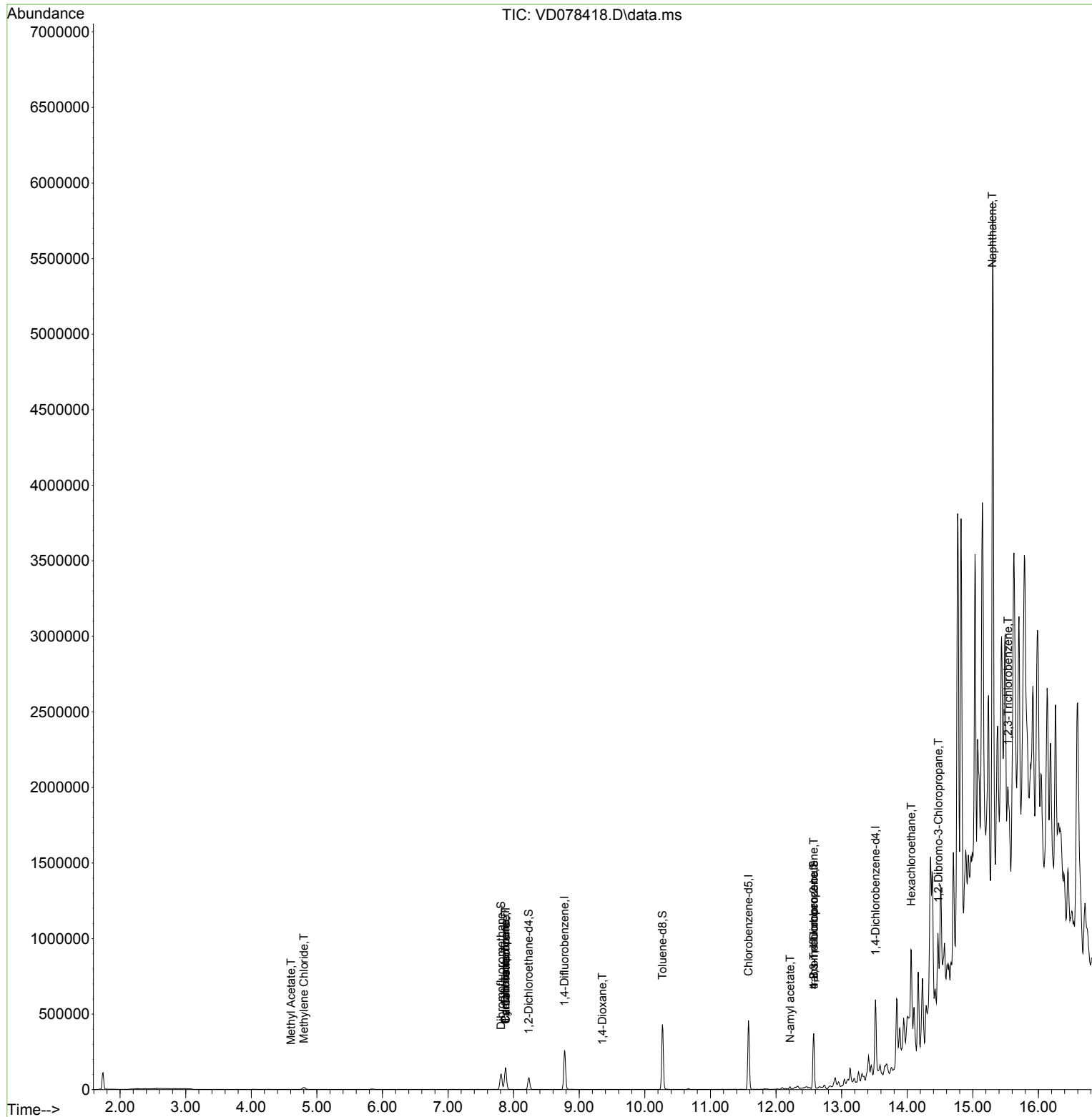
Internal Standards						
1) Pentafluorobenzene	7.875	168	106643	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	231818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	256983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58673	50.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.760%	
35) Dibromofluoromethane	7.810	113	74770	50.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.269	98	302083	51.282	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.575	95	109154	63.677	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 127.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.105	59	56	Below Cal	#	73
16) Acetone	4.040	43	2040	Below Cal	#	32
18) Methyl Acetate	4.605	43	67	4.015	ug/l #	42
20) Methylene Chloride	4.805	84	10366	5.165	ug/l	98
23) Vinyl Acetate	5.987	43	58	Below Cal	#	63
25) 2-Butanone	7.275	43	54	Below Cal	#	37
31) Cyclohexane	7.875	56	2607	1.337	ug/l #	22
36) 1,1-Dichloropropene	7.875	75	9781	4.276	ug/l #	46
38) Carbon Tetrachloride	7.881	117	10940	4.829	ug/l #	14
49) 1,4-Dioxane	9.351	88	55	5.566	ug/l #	33
74) N-amyl acetate	12.216	43	3431	1.982	ug/l #	72
76) 1,2,3-Trichloropropane	12.575	75	60256	52.073	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60256	108.105	ug/l #	18
90) Hexachloroethane	14.063	117	24109	13.855	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.475	75	1821	7.660	ug/l #	15
95) Naphthalene	15.298	128	39285	9.349	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.539	180	6316	3.289	ug/l #	13

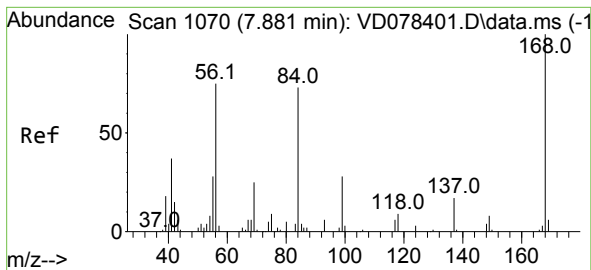
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

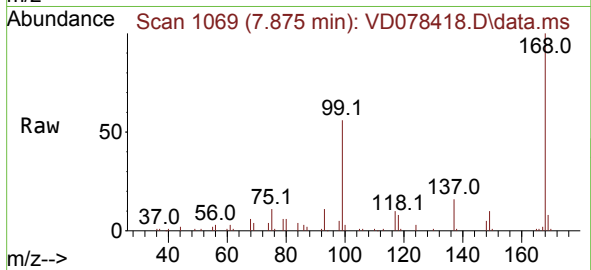
Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

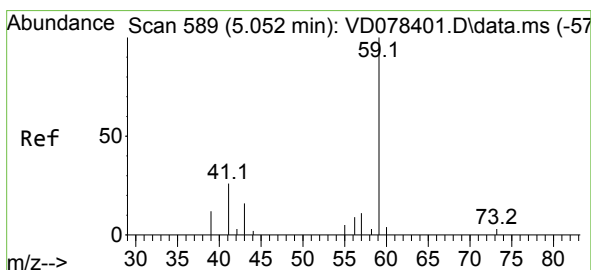
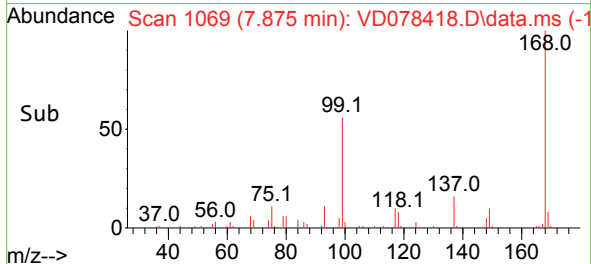
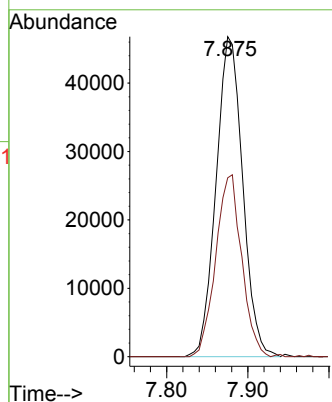


Tgt Ion:168 Resp: 106643

Ion Ratio Lower Upper

168 100

99 55.9 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.105 min Scan# 598

Delta R.T. 0.053 min

Lab File: VD078418.D

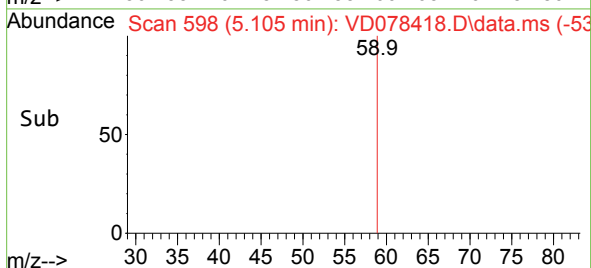
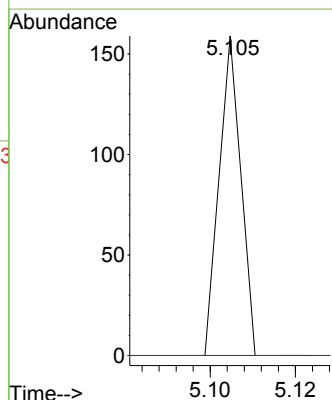
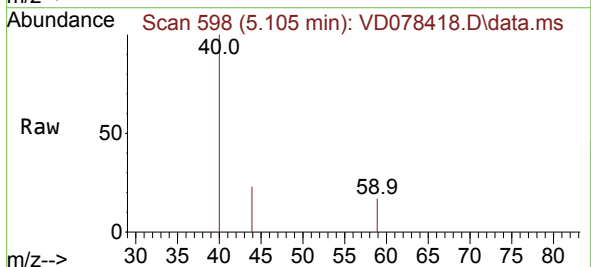
Acq: 14 Feb 2024 17:03

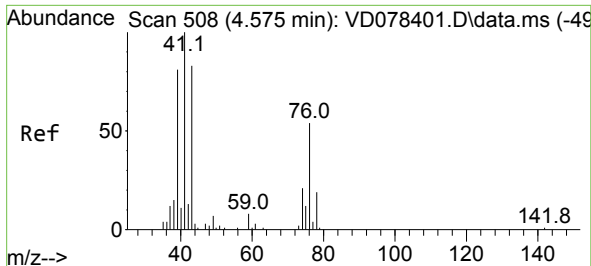
Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

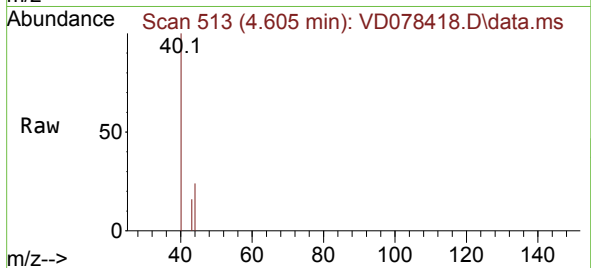
57 0.0 7.8 11.8#



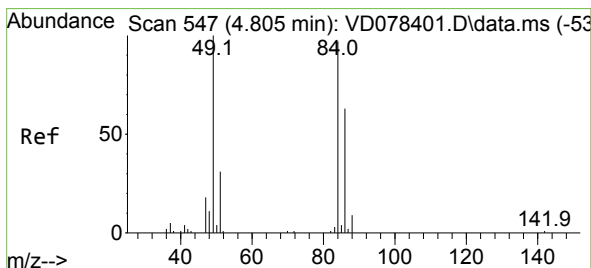
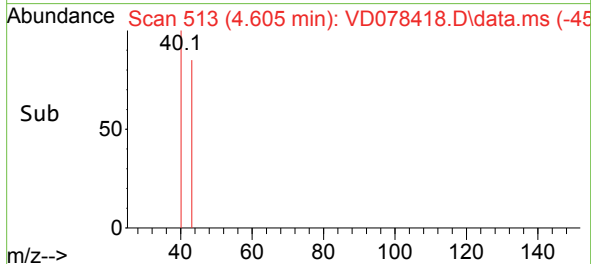
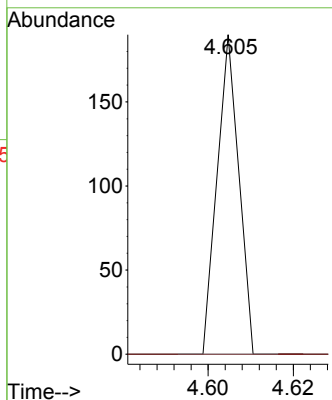


#18
Methyl Acetate
Concen: 4.015 ug/l
RT: 4.605 min Scan# 513
Delta R.T. 0.030 min
Lab File: VD078418.D
Acq: 14 Feb 2024 17:03

Instrument :
MSVOA_D
ClientSampleId :

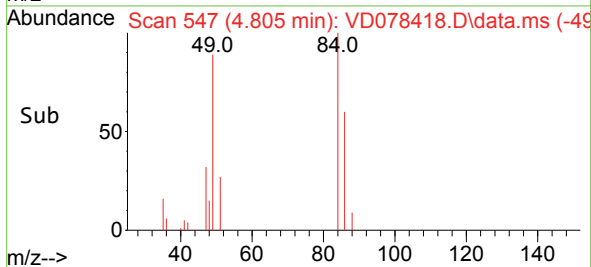
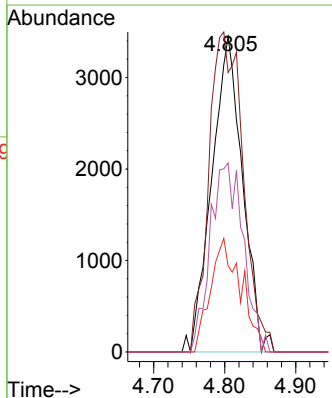
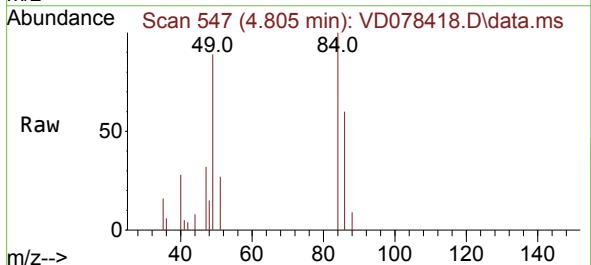


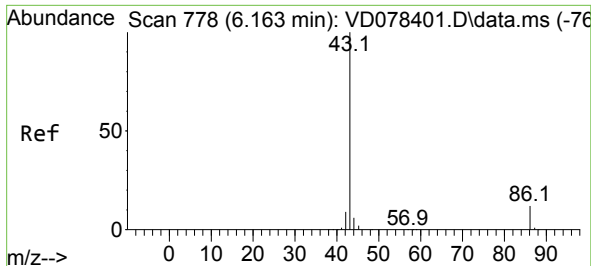
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 5.165 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078418.D
Acq: 14 Feb 2024 17:03

Tgt Ion: 84 Resp: 10366
Ion Ratio Lower Upper
84 100
49 88.8 71.4 107.2
51 27.3 24.5 36.7
86 59.9 48.7 73.1

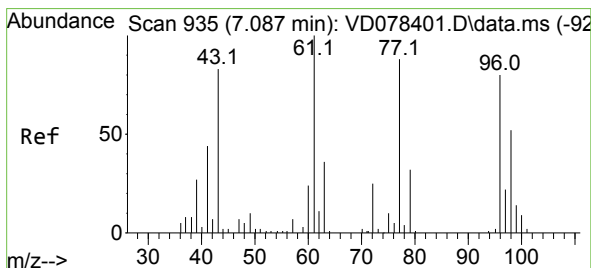
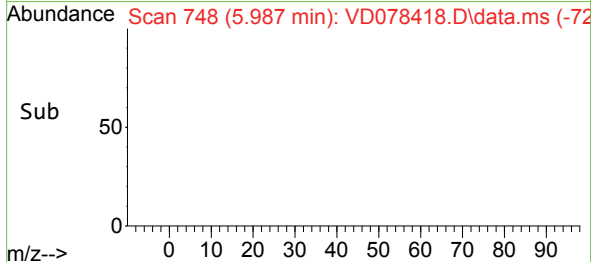
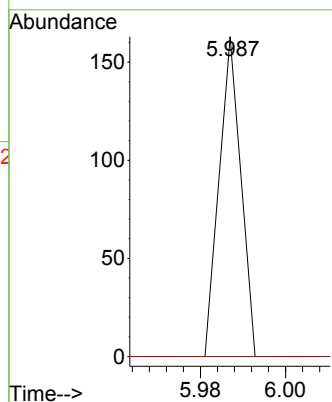
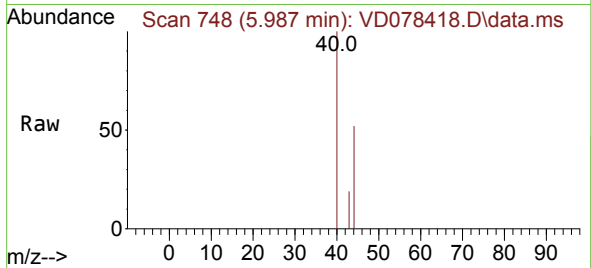




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 5.987 min Scan# 748
 Delta R.T. -0.176 min
 Lab File: VD078418.D
 Acq: 14 Feb 2024 17:03

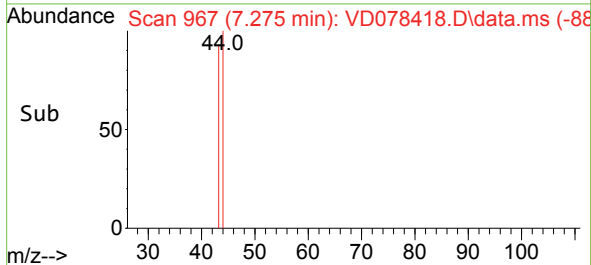
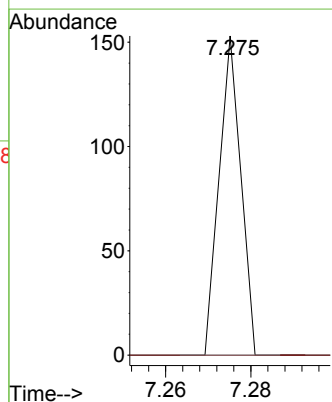
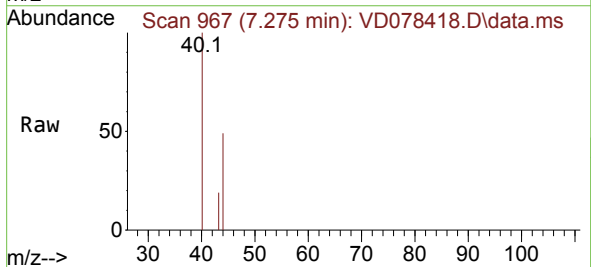
Instrument :
 MSVOA_D
 ClientSampleId :

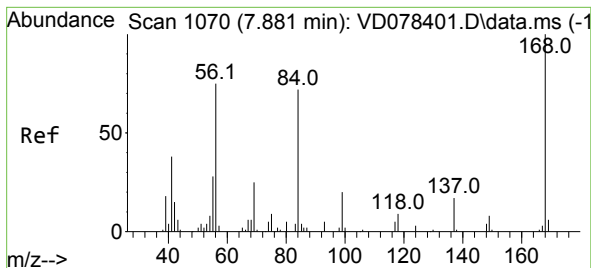
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.275 min Scan# 967
 Delta R.T. 0.188 min
 Lab File: VD078418.D
 Acq: 14 Feb 2024 17:03

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

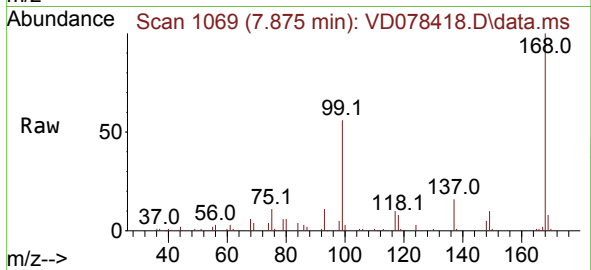
Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :



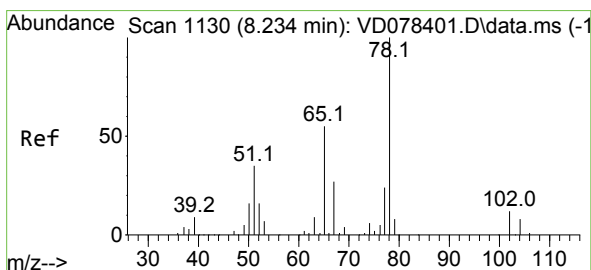
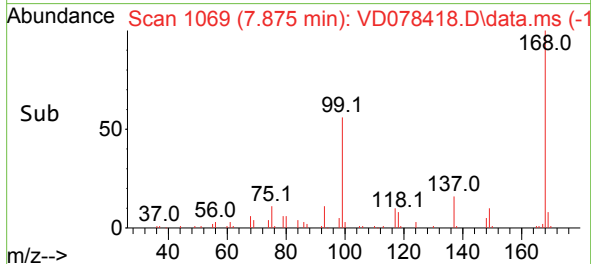
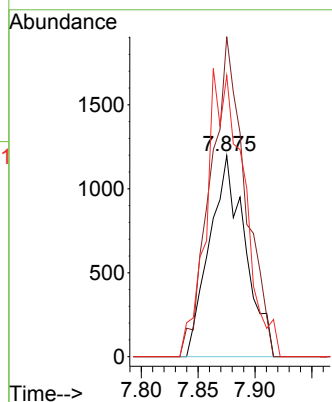
Tgt Ion: 56 Resp: 2607

Ion Ratio Lower Upper

56 100

69 159.2 28.6 43.0#

84 139.8 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 50.884 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078418.D

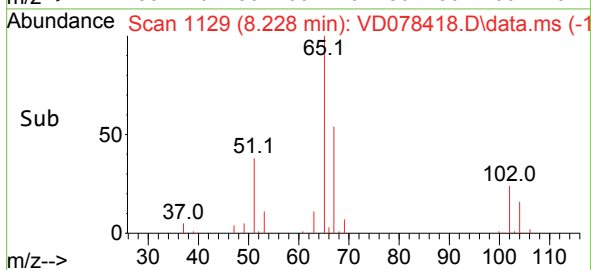
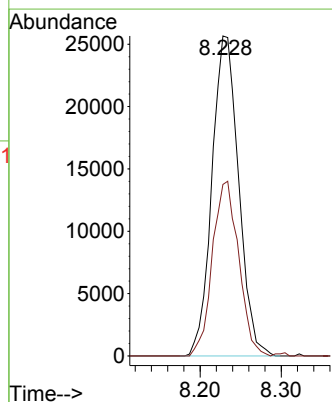
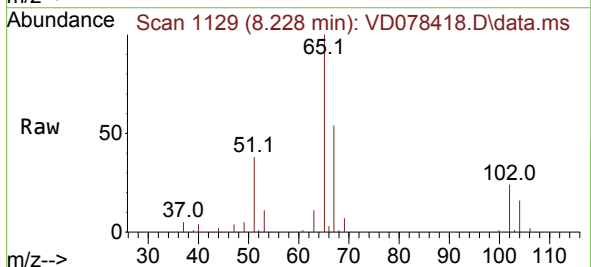
Acq: 14 Feb 2024 17:03

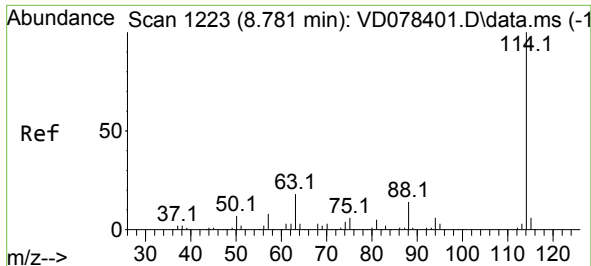
Tgt Ion: 65 Resp: 58673

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

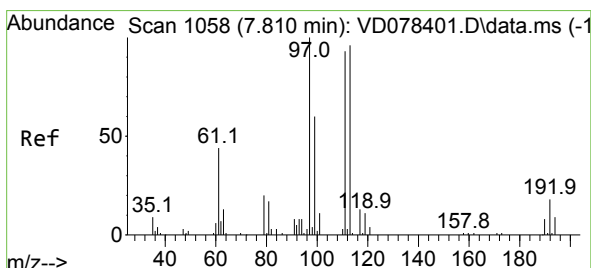
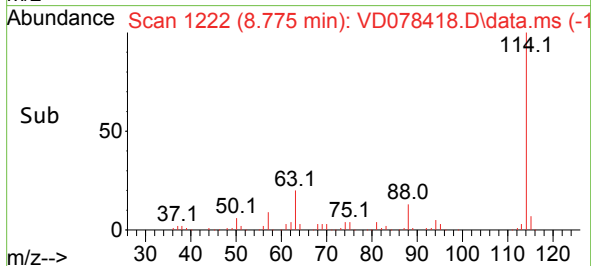
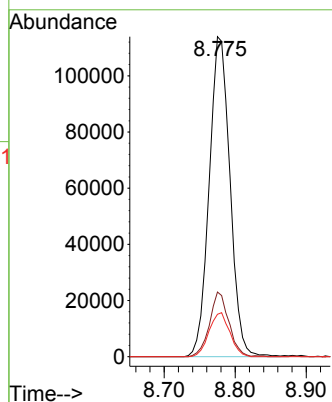
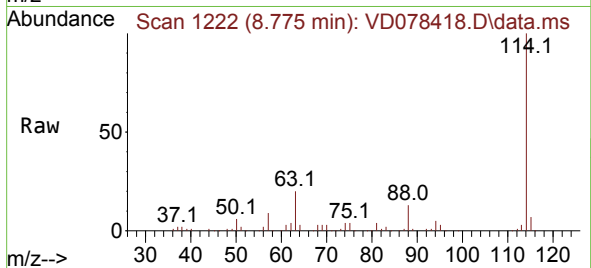
Tgt Ion:114 Resp: 231818

Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.776 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

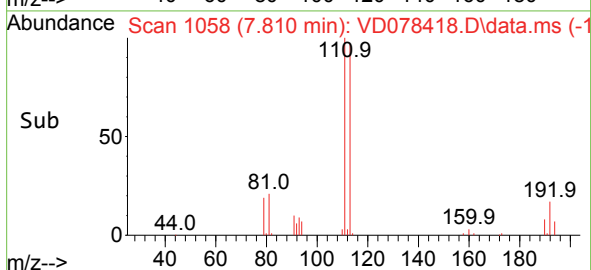
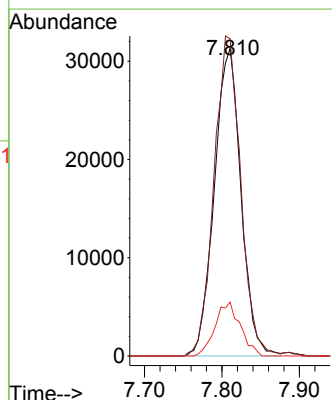
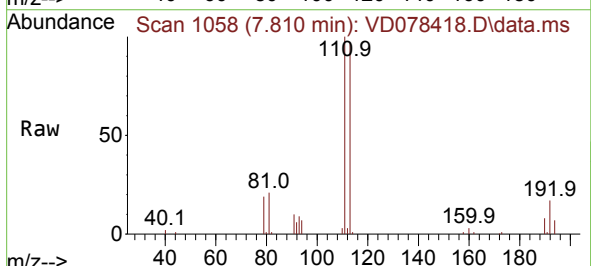
Tgt Ion:113 Resp: 74770

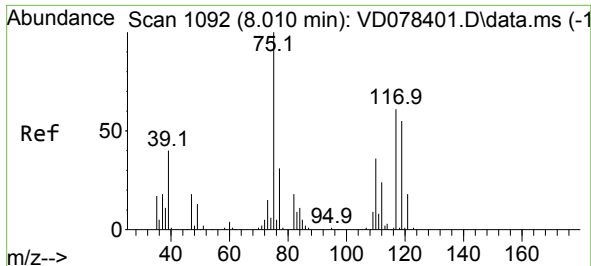
Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 16.6 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 4.276 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

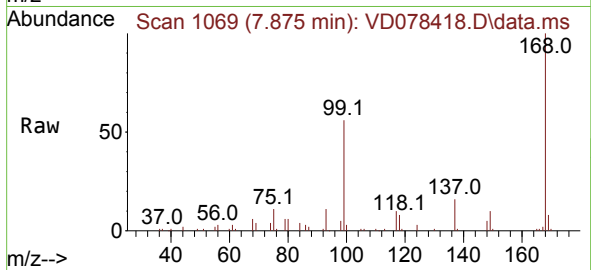
Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

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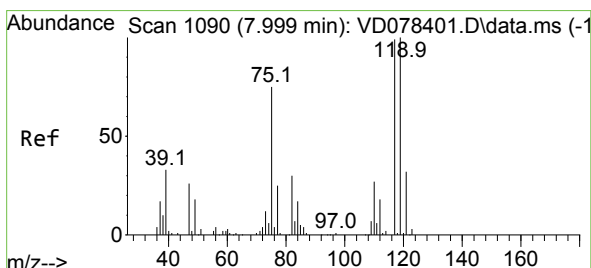
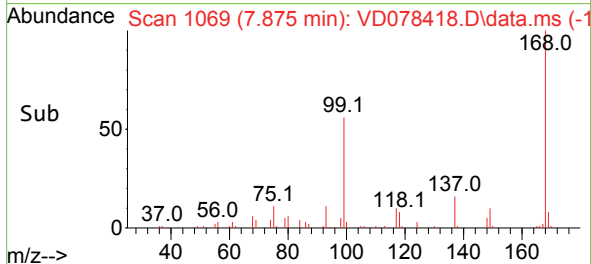
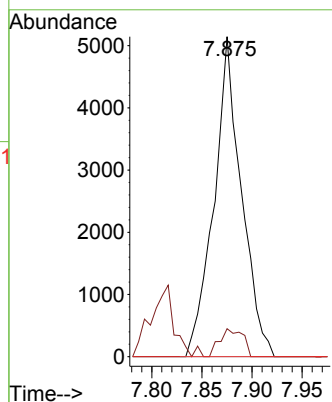
Tgt Ion: 75 Resp: 9781

Ion Ratio Lower Upper

75 100

110 7.4 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.829 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.118 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

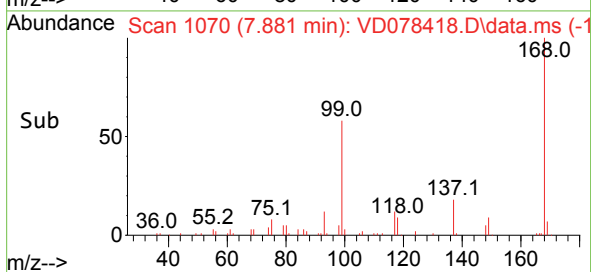
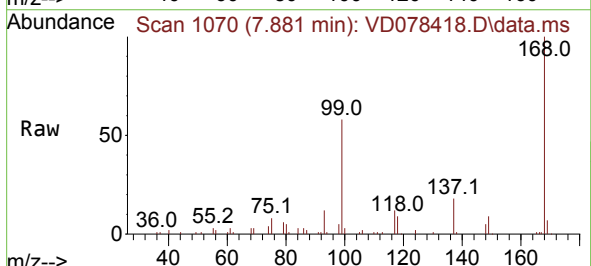
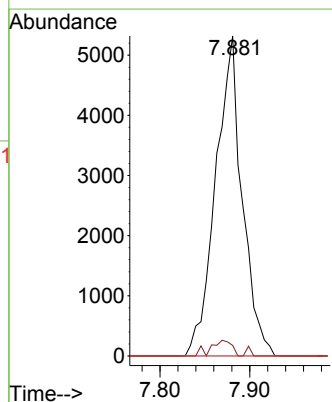
Tgt Ion: 117 Resp: 10940

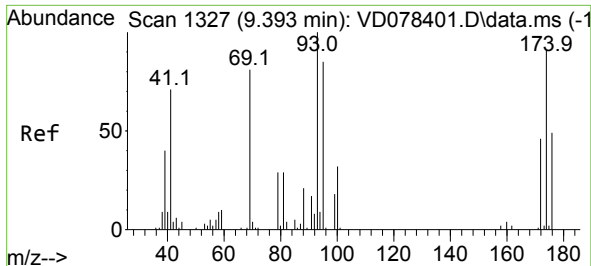
Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 5.566 ug/l

RT: 9.351 min Scan# 11

Delta R.T. -0.041 min

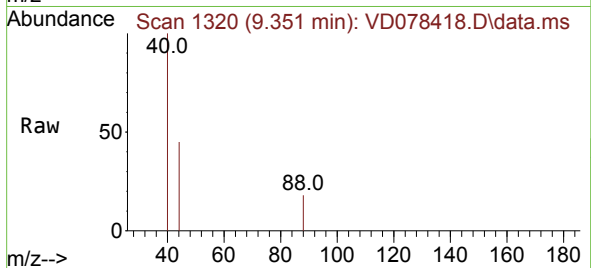
Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

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ClientSampleId :



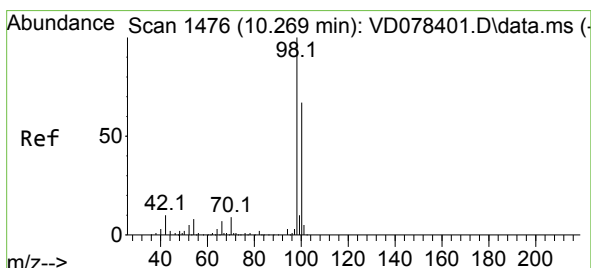
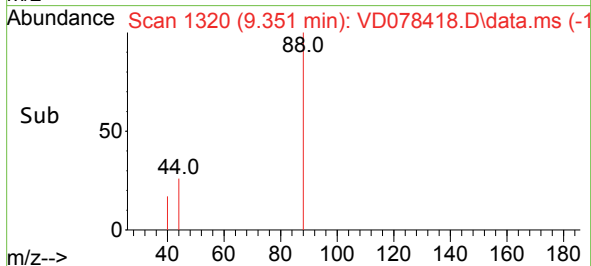
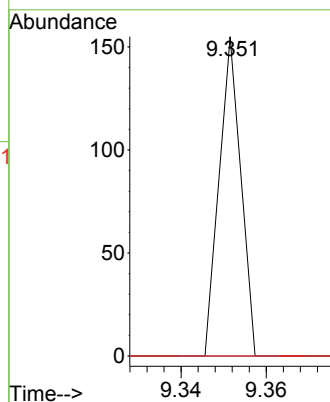
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 51.282 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078418.D

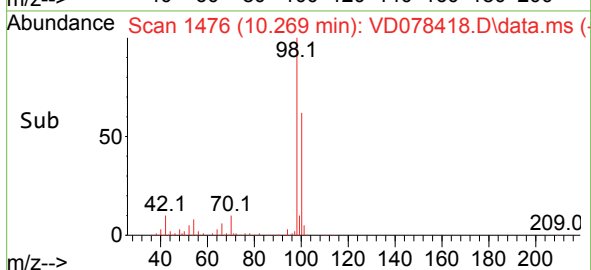
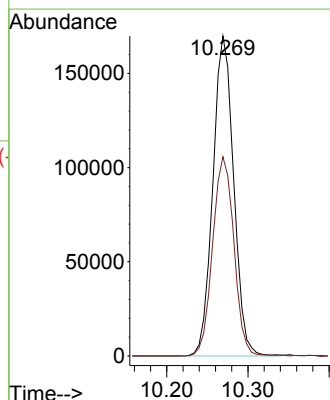
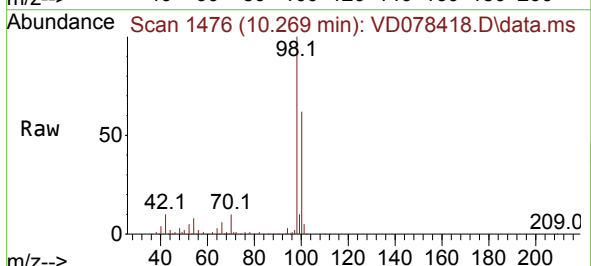
Acq: 14 Feb 2024 17:03

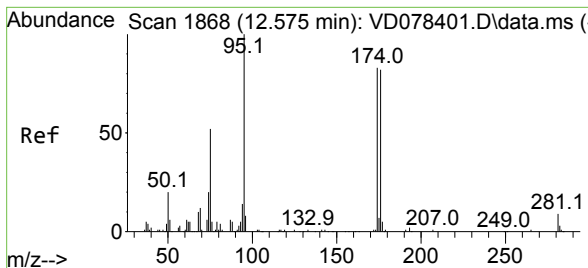
Tgt Ion: 98 Resp: 302083

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

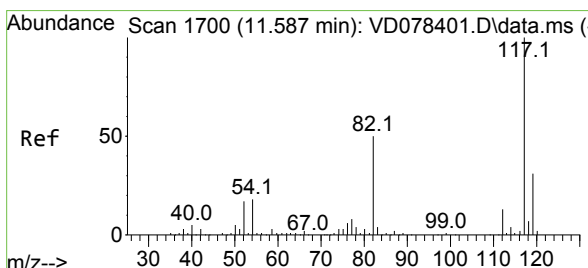
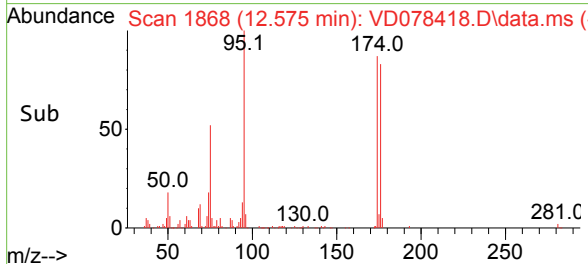
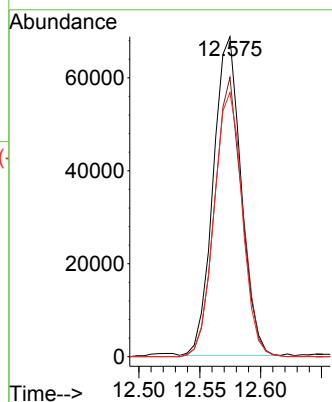
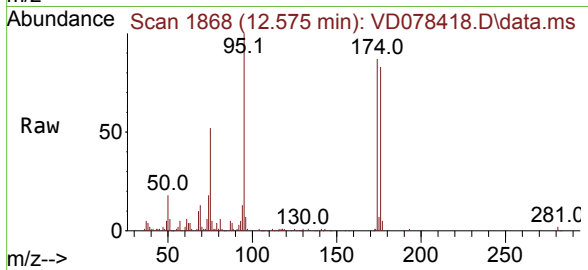




#62
4-Bromofluorobenzene
Concen: 63.677 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078418.D
Acq: 14 Feb 2024 17:03

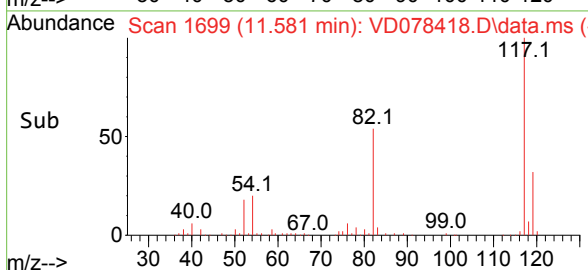
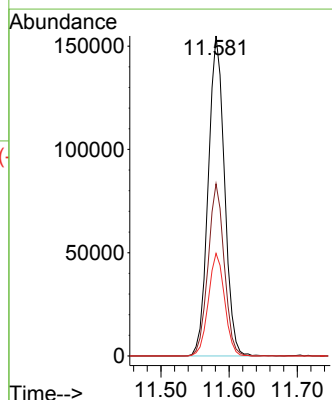
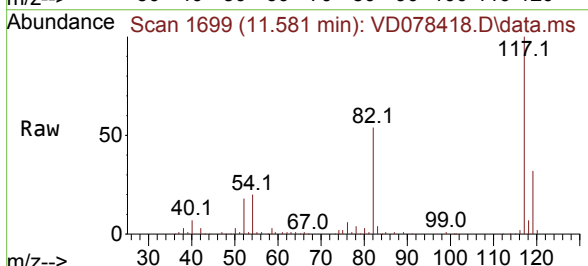
Instrument :
MSVOA_D
ClientSampleId :

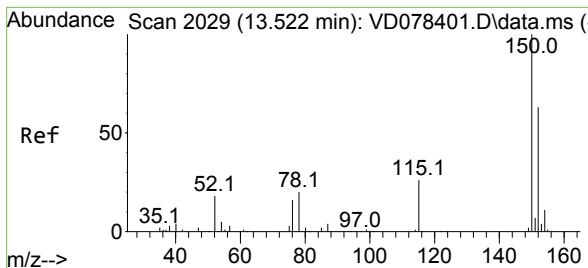
Tgt Ion: 95 Resp: 109154
Ion Ratio Lower Upper
95 100
174 86.4 0.0 201.8
176 84.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078418.D
Acq: 14 Feb 2024 17:03

Tgt Ion: 117 Resp: 256983
Ion Ratio Lower Upper
117 100
82 53.8 38.3 57.5
119 32.0 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: VD078418.D

Acq: 14 Feb 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

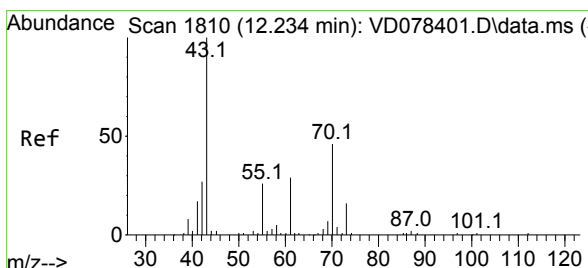
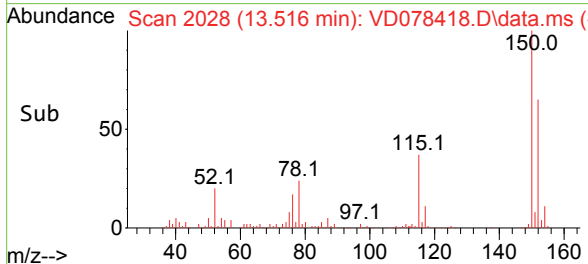
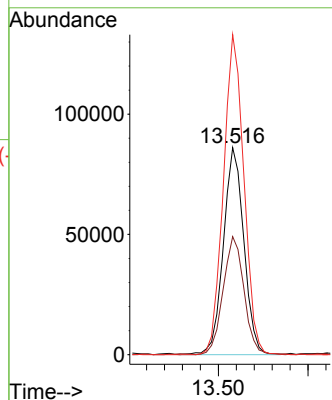
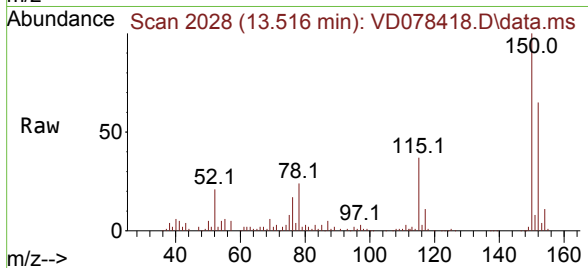
Tgt Ion:152 Resp: 136299

Ion Ratio Lower Upper

152 100

115 58.2 27.1 81.3

150 154.3 0.0 353.6



#74

N-ethyl acetate

Concen: 1.982 ug/l

RT: 12.216 min Scan# 1807

Delta R.T. -0.018 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

Tgt Ion: 43 Resp: 3431

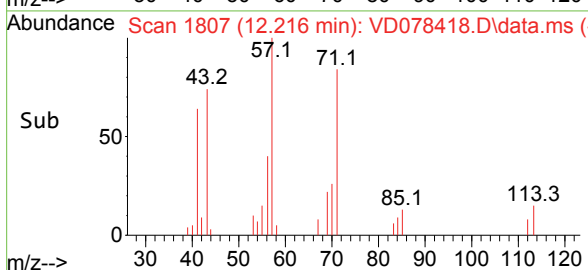
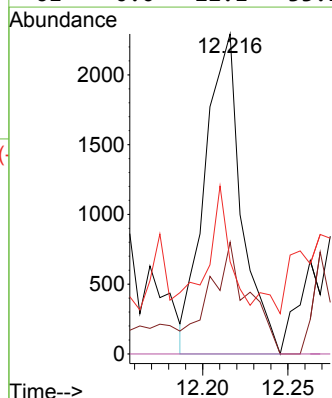
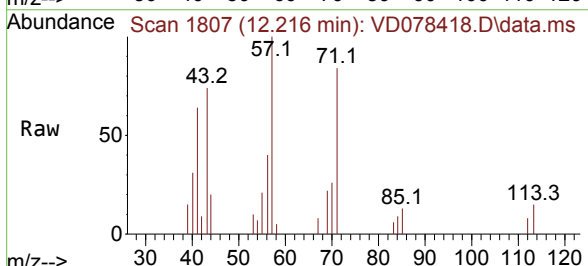
Ion Ratio Lower Upper

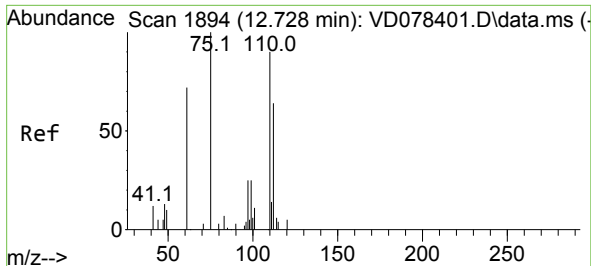
43 100

70 37.6 45.0 67.4#

55 23.7 23.8 35.6#

61 0.0 22.1 33.1#

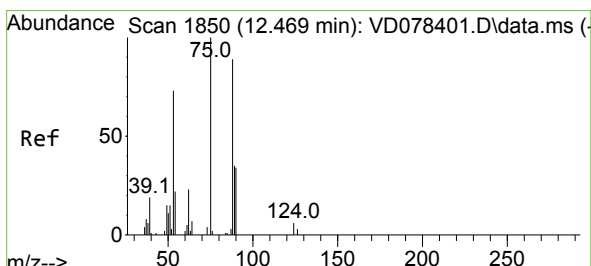
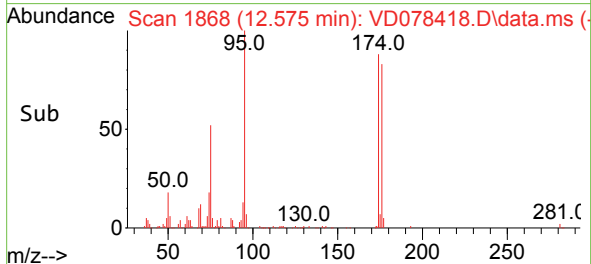
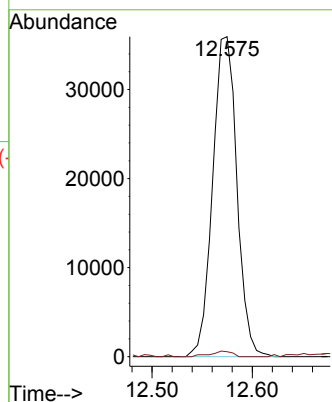
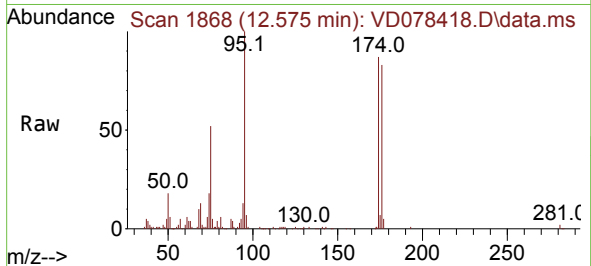




#76
1,2,3-Trichloropropane
Concen: 52.073 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078418.D
Acq: 14 Feb 2024 17:03

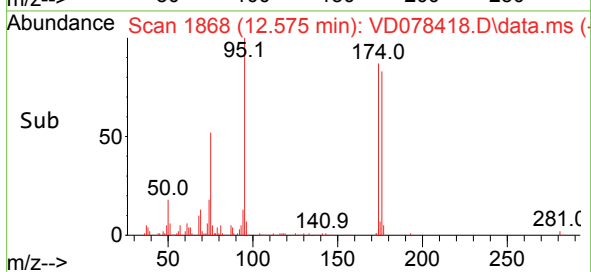
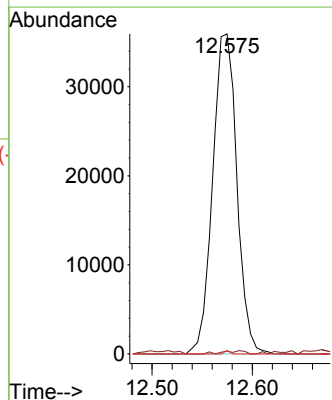
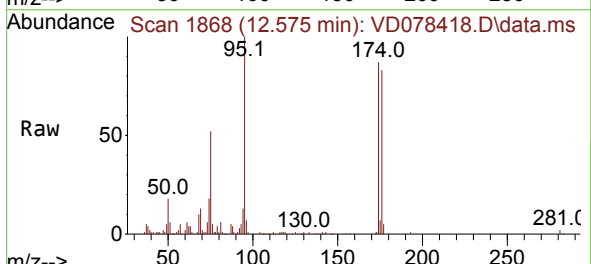
Instrument :
MSVOA_D
ClientSampleId :

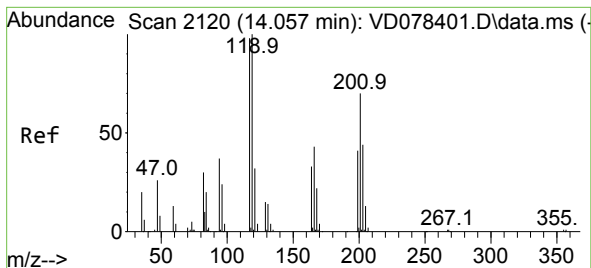
Tgt Ion: 75 Resp: 60256
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.105 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078418.D
Acq: 14 Feb 2024 17:03

Tgt Ion: 75 Resp: 60256
Ion Ratio Lower Upper
75 100
53 0.9 63.0 94.4#
89 0.2 37.9 56.9#





#90

Hexachloroethane

Concen: 13.855 ug/l

RT: 14.063 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

Instrument :

MSVOA_D

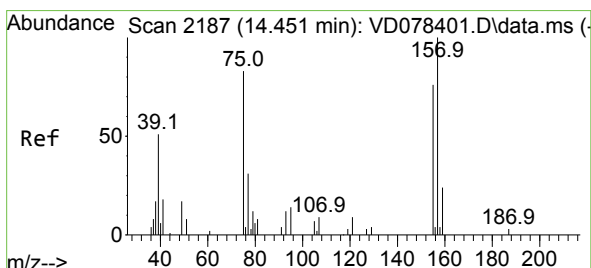
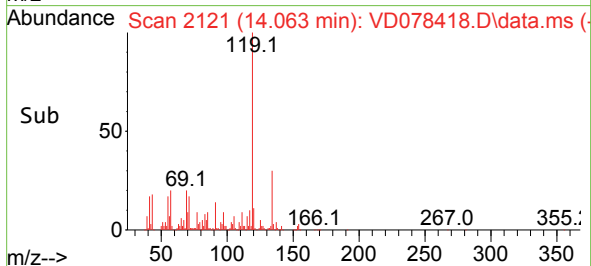
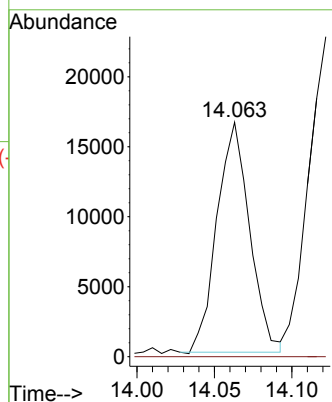
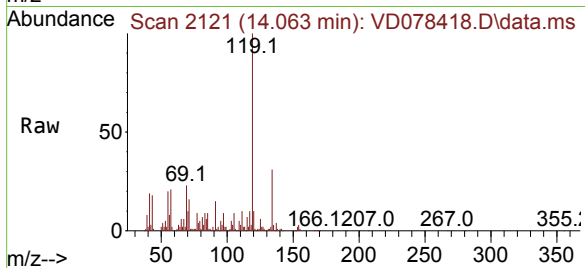
ClientSampleId :

Tgt Ion:117 Resp: 24109

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.660 ug/l

RT: 14.475 min Scan# 2191

Delta R.T. 0.024 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

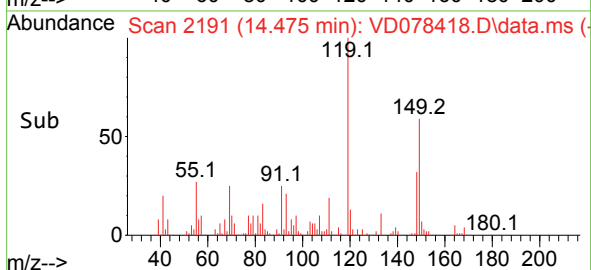
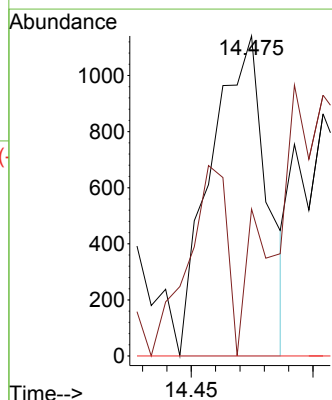
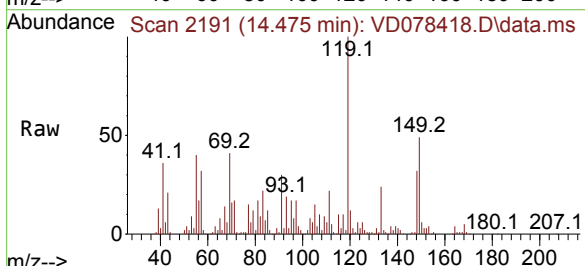
Tgt Ion: 75 Resp: 1821

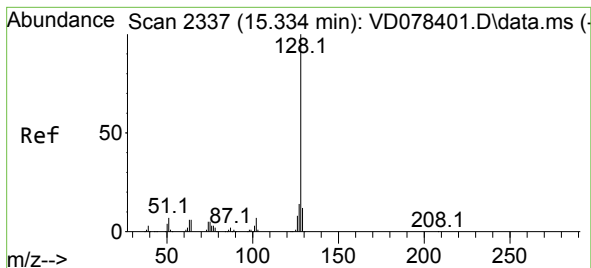
Ion Ratio Lower Upper

75 100

155 41.6 47.9 143.8#

157 0.0 59.9 179.7#





#95

Naphthalene

Concen: 9.349 ug/l

RT: 15.298 min Scan# 21

Delta R.T. -0.035 min

Lab File: VD078418.D

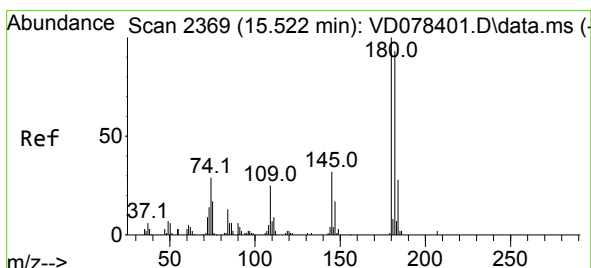
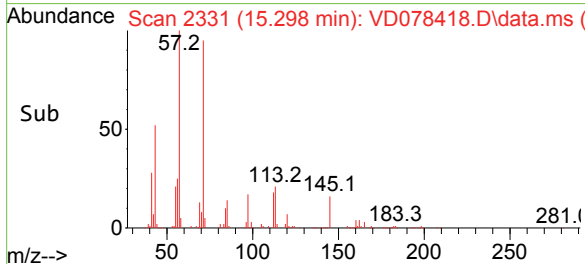
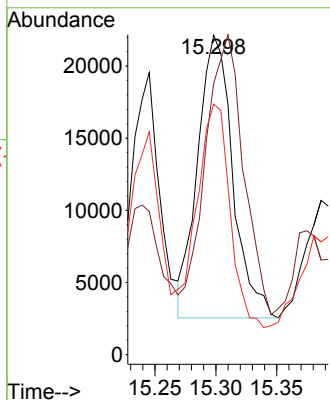
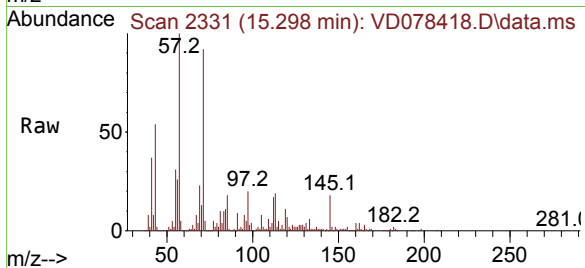
Acq: 14 Feb 2024 17:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	39285
Ion Ratio	Lower	Upper
128	100	
127	85.0	10.5 15.7#
129	78.4	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.289 ug/l

RT: 15.539 min Scan# 2372

Delta R.T. 0.018 min

Lab File: VD078418.D

Acq: 14 Feb 2024 17:03

Tgt Ion:180	Resp:	6316
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.3 141.9#
145	0.0	15.1 45.3#

