

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078017.D
 Acq On : 21 Dec 2023 03:07
 Operator : RP/MD
 Sample : 05876-07
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:35:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

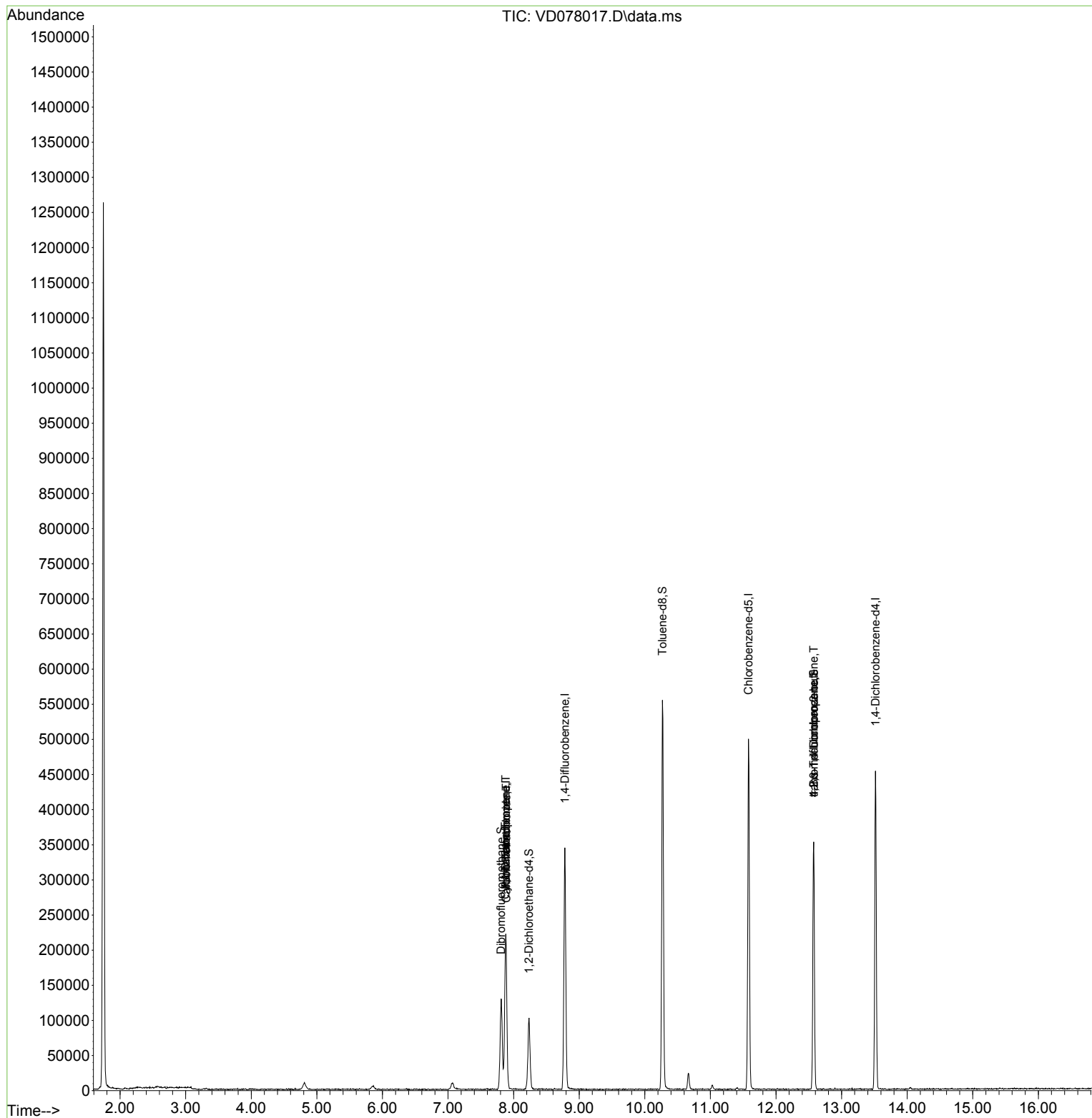
Internal Standards						
1) Pentafluorobenzene	7.881	168	169230	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	303882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76016	38.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.240%
35) Dibromofluoromethane	7.810	113	91756	43.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.220%
50) Toluene-d8	10.269	98	386227	45.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.600%
62) 4-Bromofluorobenzene	12.575	95	108519	42.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.160%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.034	59	131	Below Cal	#	73
16) Acetone	4.028	43	238	Below Cal	#	32
20) Methylene Chloride	4.816	84	6712	Below Cal	#	92
25) 2-Butanone	7.087	43	127	Below Cal	#	37
31) Cyclohexane	7.875	56	4035	1.138	ug/l	# 57
36) 1,1-Dichloropropene	7.881	75	13604	3.996	ug/l	# 47
38) Carbon Tetrachloride	7.887	117	17831	5.253	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	55996	53.395	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	55996	108.181	ug/l	# 17
88) 1,4-Dichlorobenzene	13.522	146	321	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.575	75	83	Below Cal	#	1

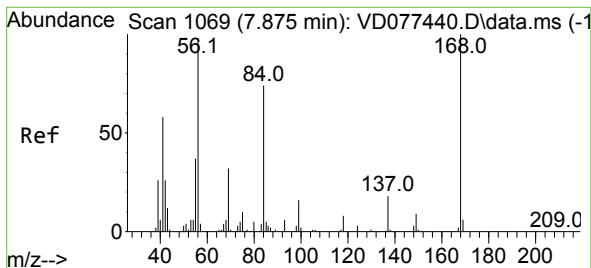
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

Instrument :

MSVOA_D

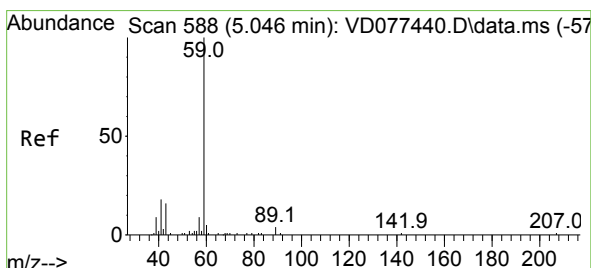
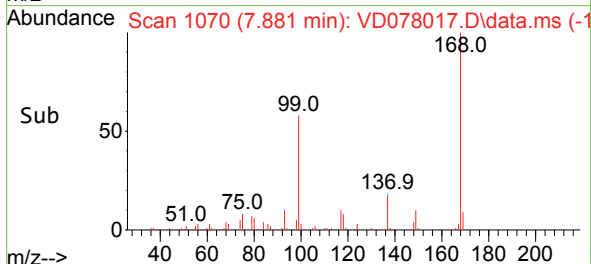
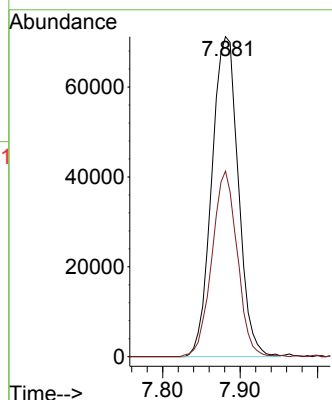
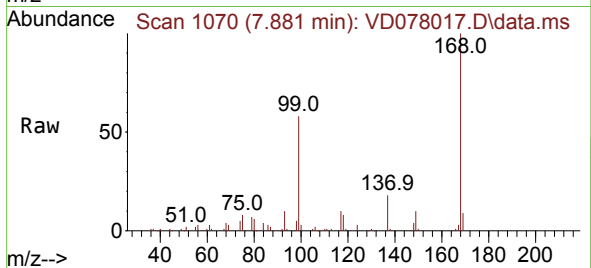
ClientSampleId :

Tgt Ion:168 Resp: 169230

Ion Ratio Lower Upper

168 100

99 58.0 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD078017.D

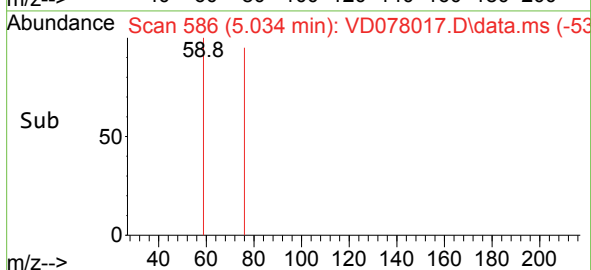
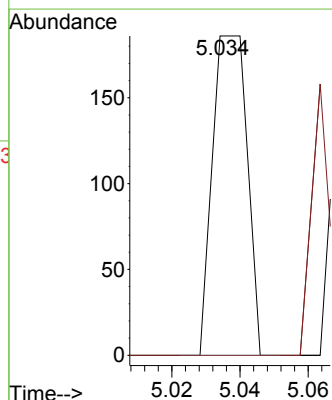
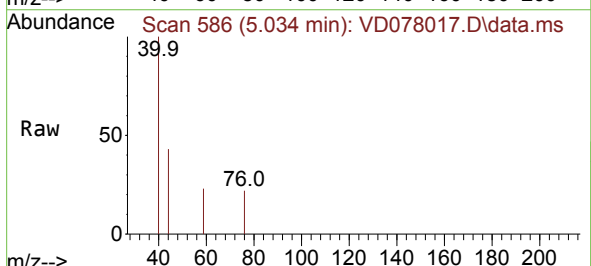
Acq: 21 Dec 2023 03:07

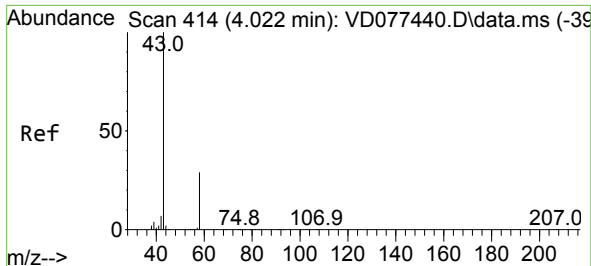
Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

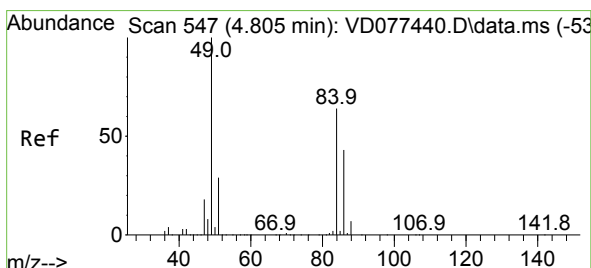
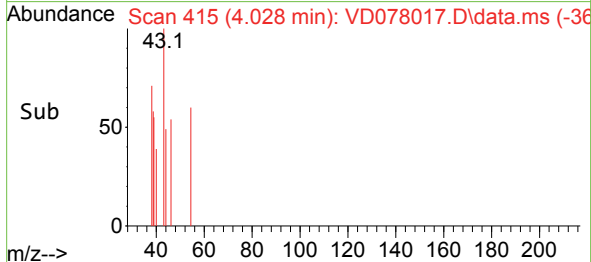
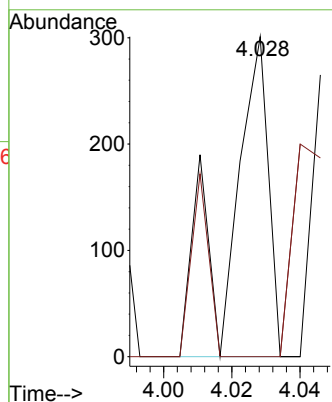
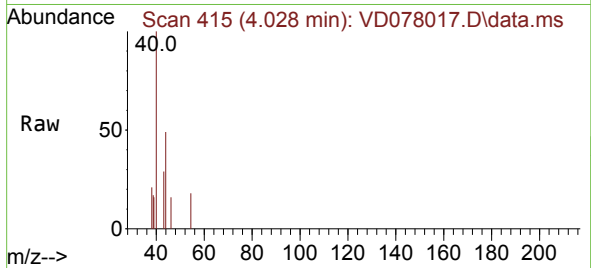




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

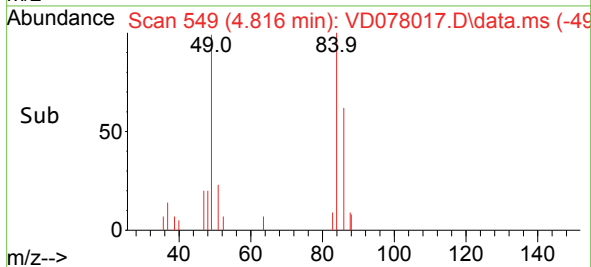
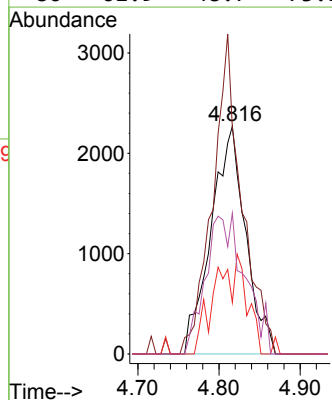
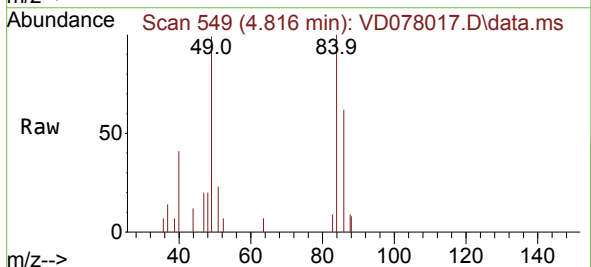
Instrument :
MSVOA_D
ClientSampleId :

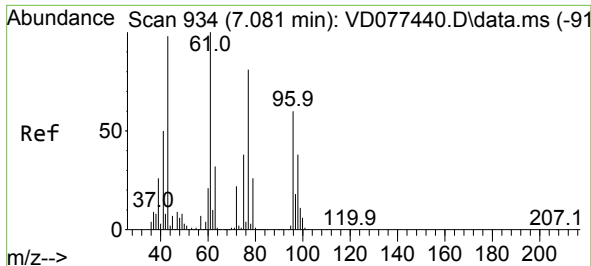
Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

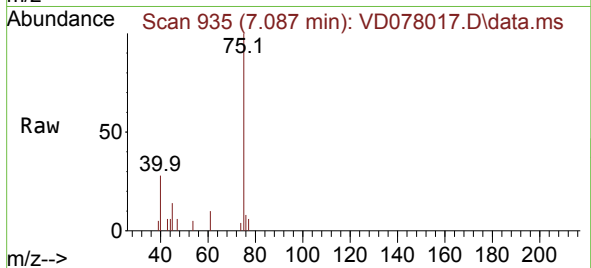
Tgt Ion: 84 Resp: 6712
Ion Ratio Lower Upper
84 100
49 99.4 71.4 107.2
51 22.6 24.5 36.7#
86 61.9 48.7 73.1



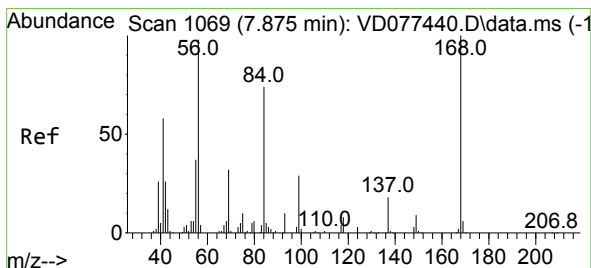
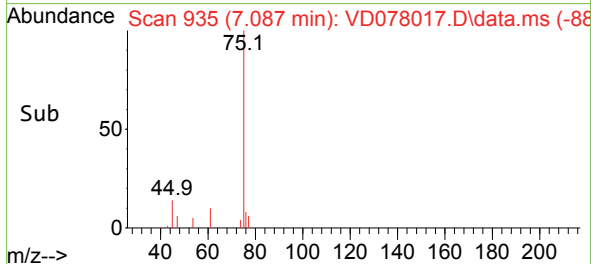
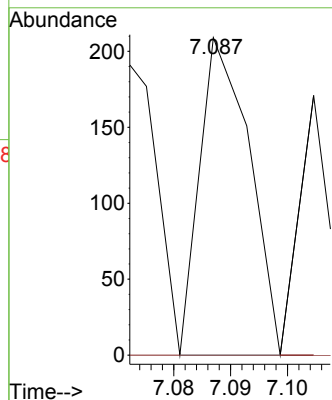


#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Instrument :
MSVOA_D
ClientSampleId :

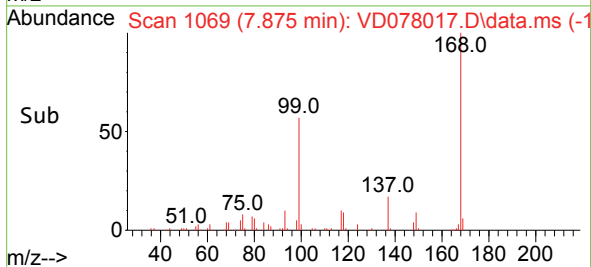
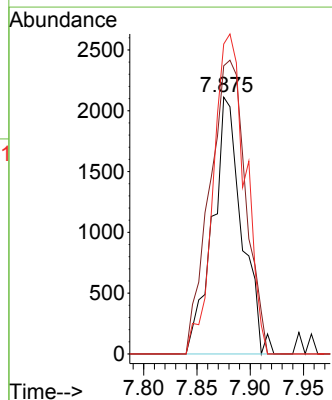
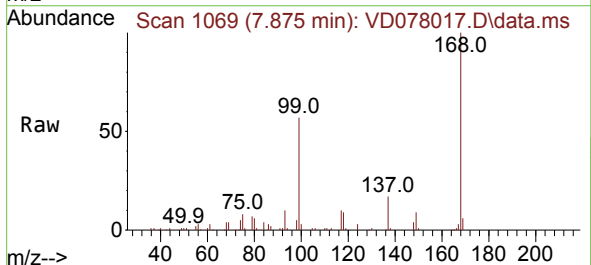


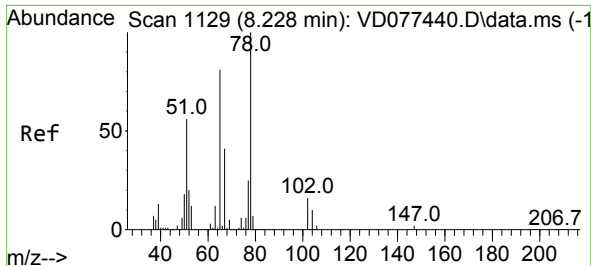
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Tgt Ion: 56 Resp: 4035
Ion Ratio Lower Upper
56 100
69 112.2 28.6 43.0#
84 120.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 38.120 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

Instrument :

MSVOA_D

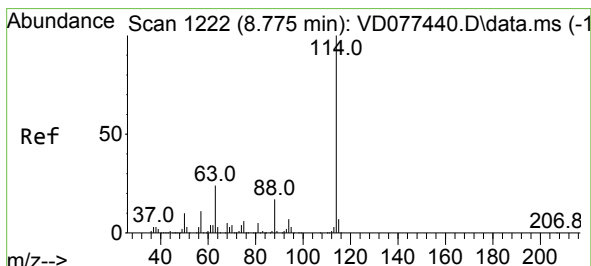
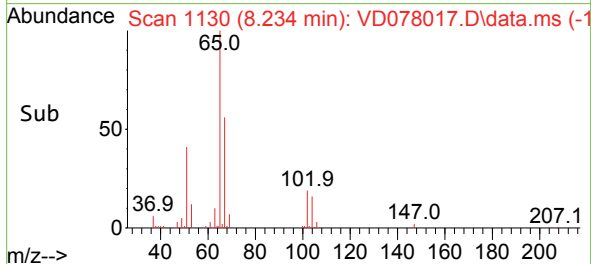
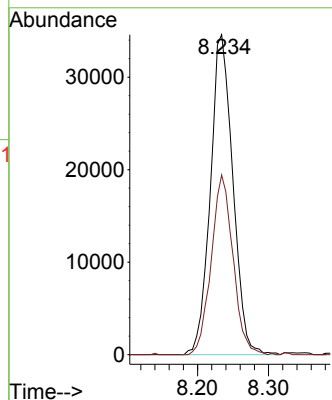
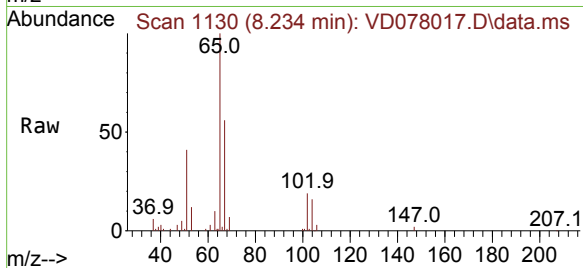
ClientSampleId :

Tgt Ion: 65 Resp: 76016

Ion Ratio Lower Upper

65 100

67 54.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

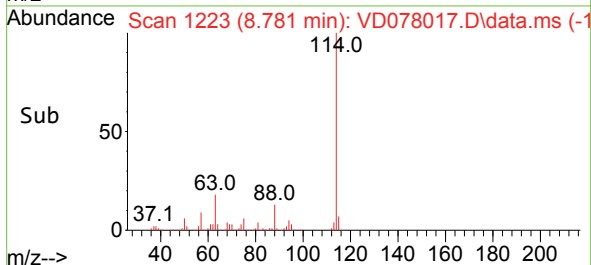
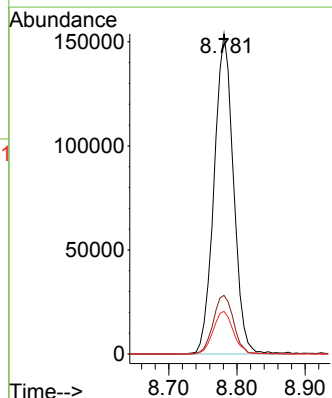
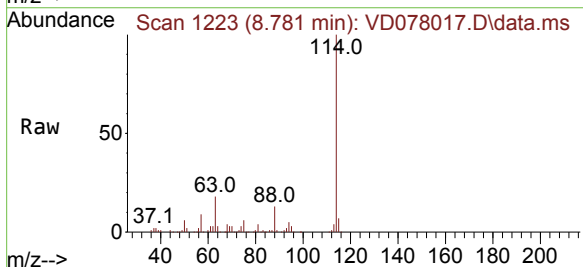
Tgt Ion: 114 Resp: 303882

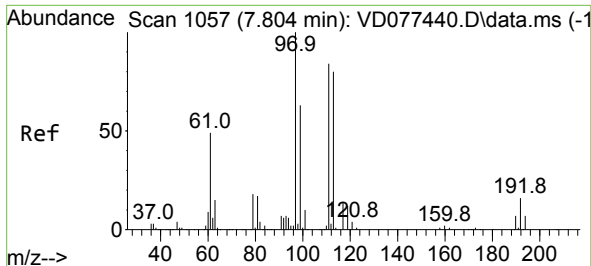
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 43.107 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

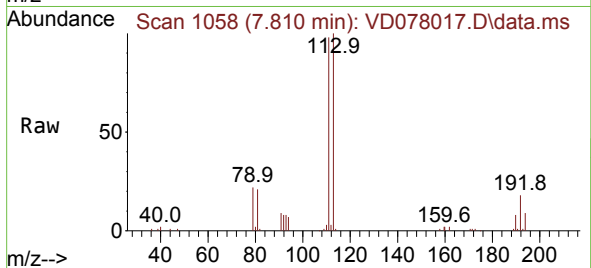
Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

Instrument :

MSVOA_D

ClientSampleId :



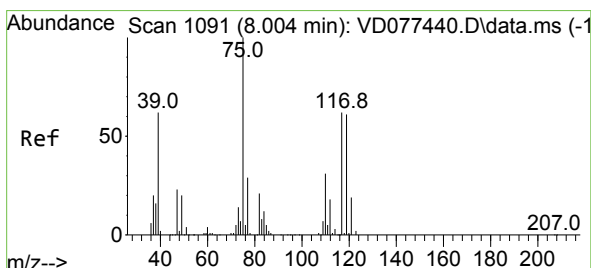
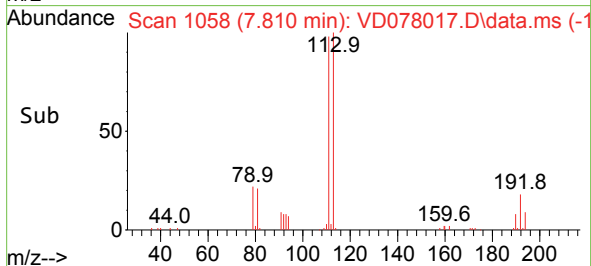
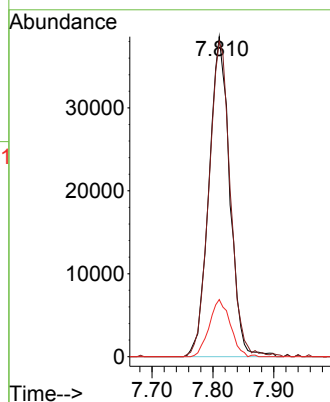
Tgt Ion:113 Resp: 91756

Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.996 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

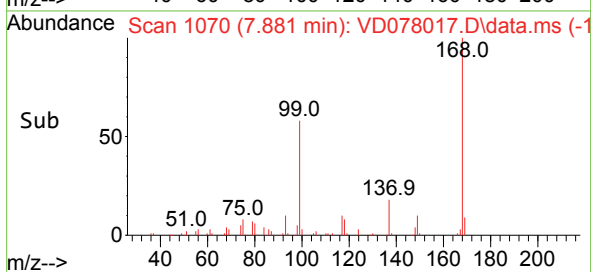
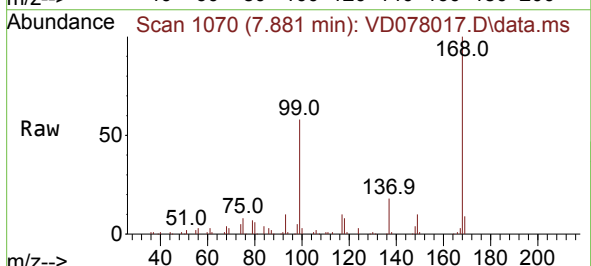
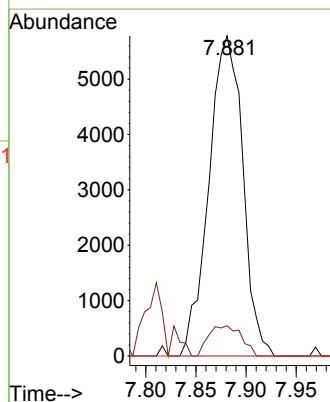
Tgt Ion: 75 Resp: 13604

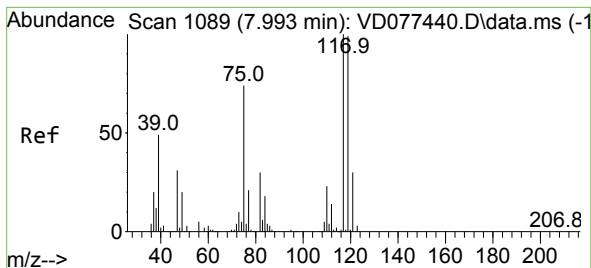
Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.253 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.106 min

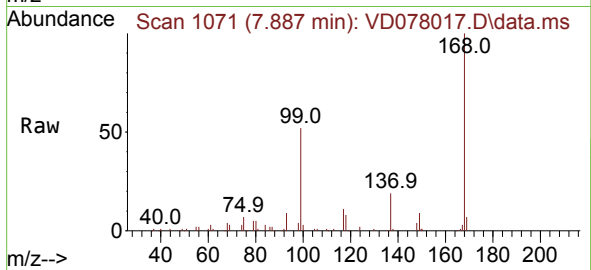
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Acq: 21 Dec 2023 03:07

Instrument :

MSVOA_D

ClientSampleId :



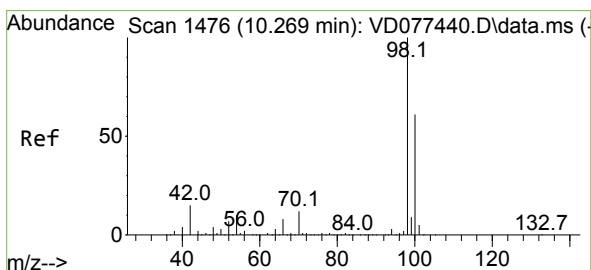
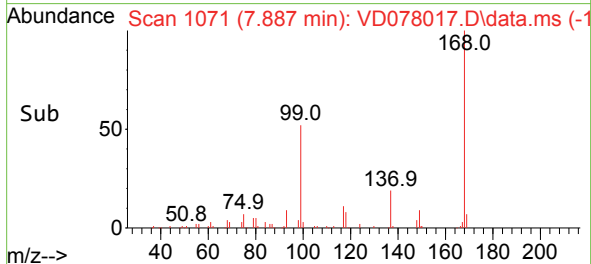
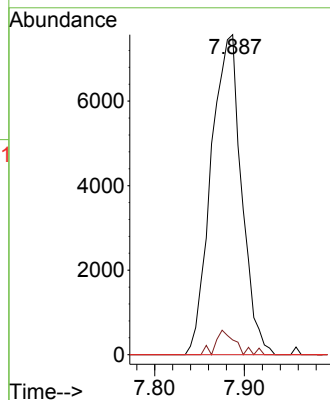
Tgt Ion:117 Resp: 17831

Ion Ratio Lower Upper

117 100

119 4.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.304 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078017.D

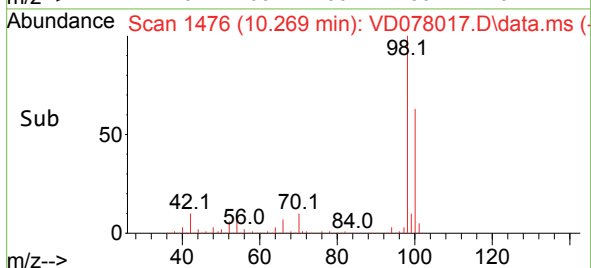
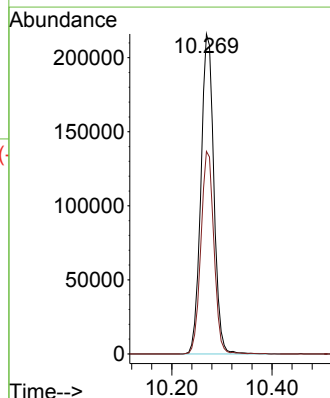
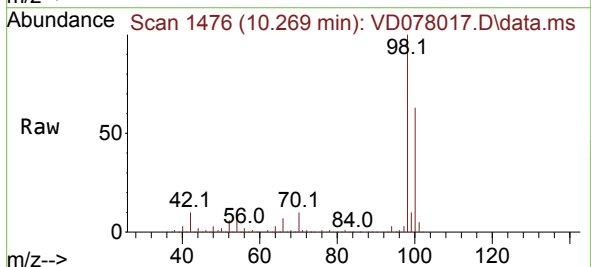
Acq: 21 Dec 2023 03:07

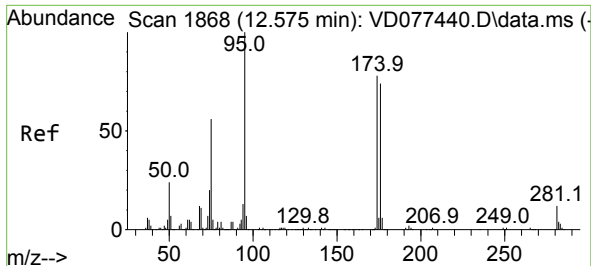
Tgt Ion: 98 Resp: 386227

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

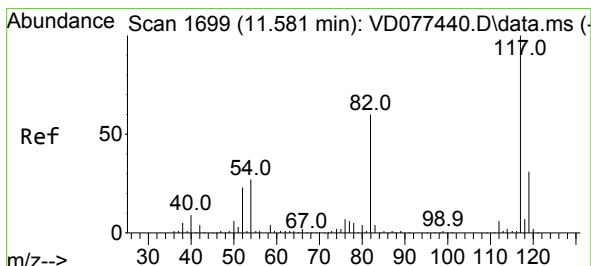
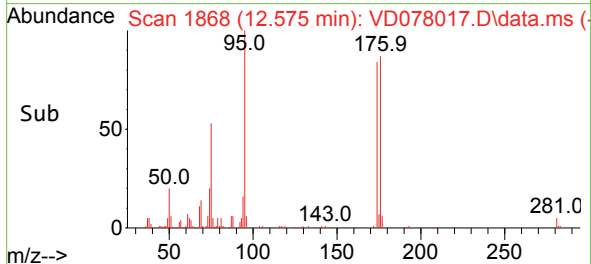
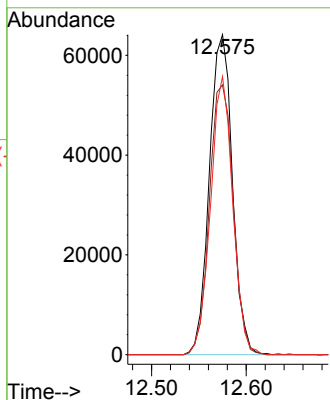
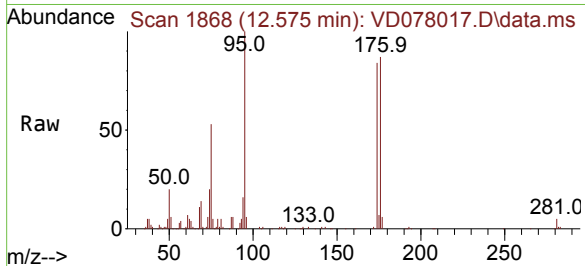




#62
4-Bromofluorobenzene
Concen: 42.576 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

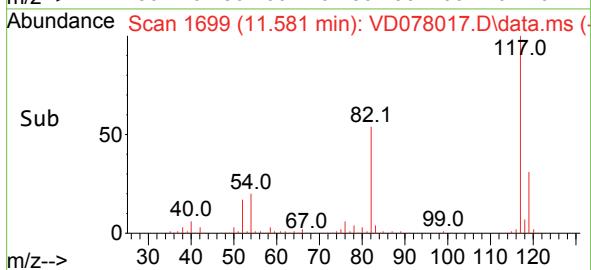
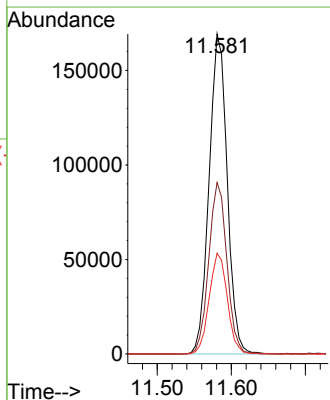
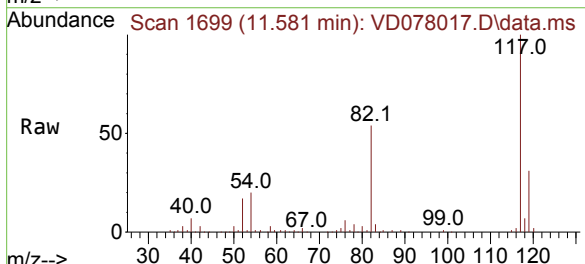
Instrument :
MSVOA_D
ClientSampleId :

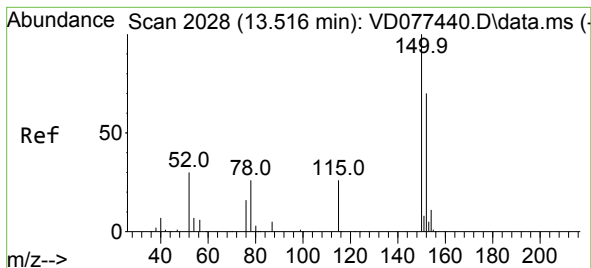
Tgt Ion: 95 Resp: 108519
Ion Ratio Lower Upper
95 100
174 87.4 0.0 201.8
176 83.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Tgt Ion: 117 Resp: 287578
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 31.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078017.D

Acq: 21 Dec 2023 03:07

Instrument :

MSVOA_D

ClientSampleId :

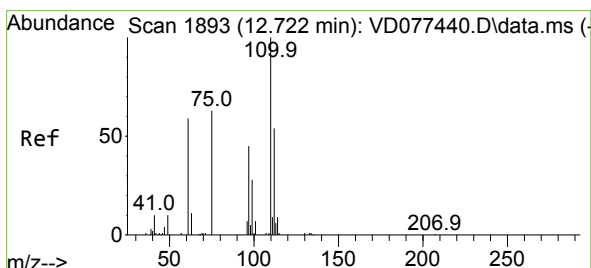
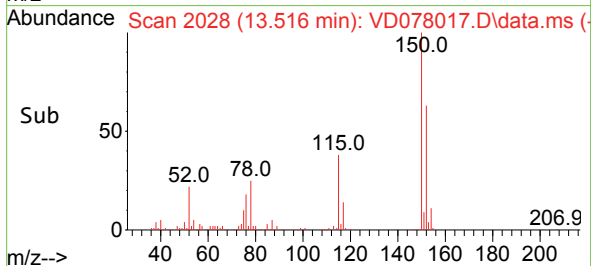
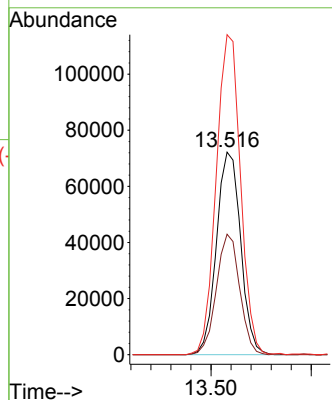
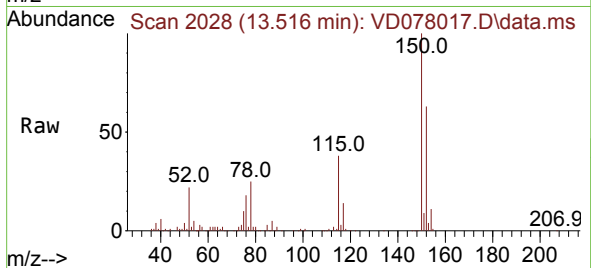
Tgt Ion:152 Resp: 120750

Ion Ratio Lower Upper

152 100

115 57.5 27.1 81.3

150 158.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.395 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078017.D

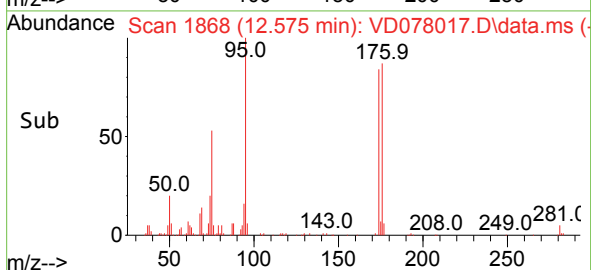
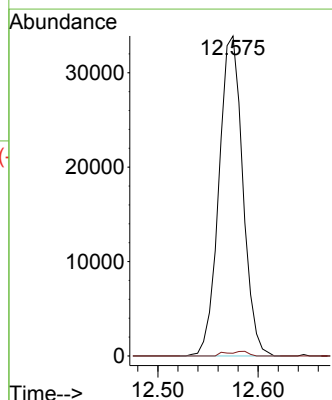
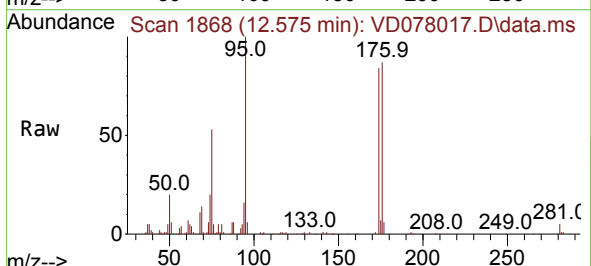
Acq: 21 Dec 2023 03:07

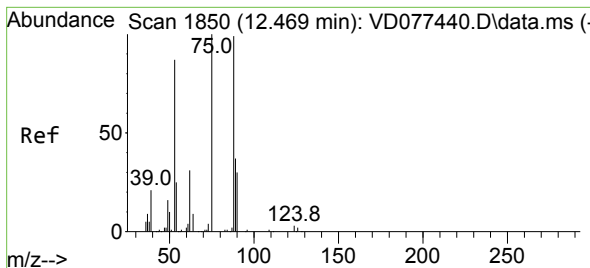
Tgt Ion: 75 Resp: 55996

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

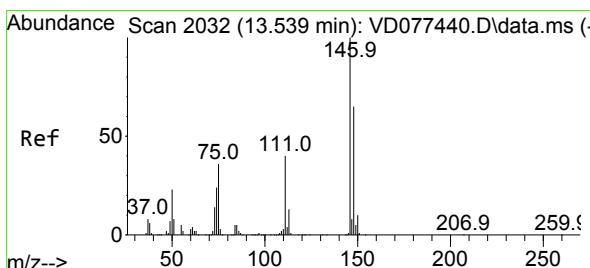
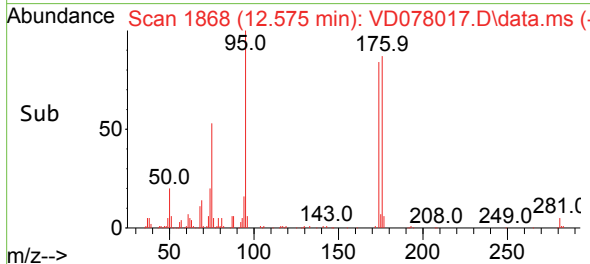
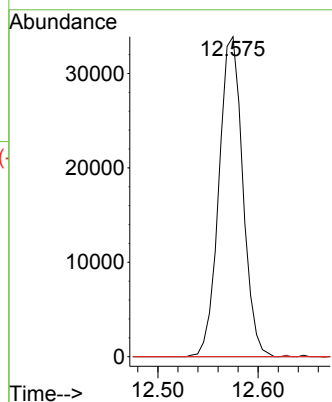
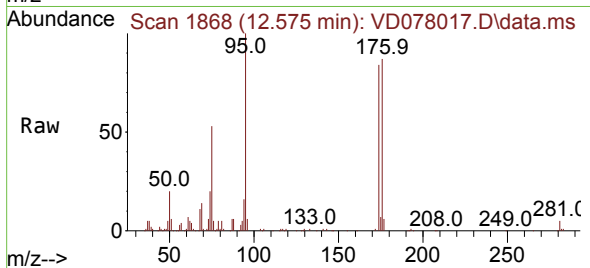




#81
trans-1,4-Dichloro-2-butene
Concen: 108.181 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 55996
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.522 min Scan# 2029
Delta R.T. -0.017 min
Lab File: VD078017.D
Acq: 21 Dec 2023 03:07

Tgt Ion: 146 Resp: 321
Ion Ratio Lower Upper
146 100
111 493.5 17.4 52.3#
148 167.6 31.7 95.1#

