

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077990.D
 Acq On : 20 Dec 2023 12:47
 Operator : RP/MD
 Sample : BLK
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:22:54 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)

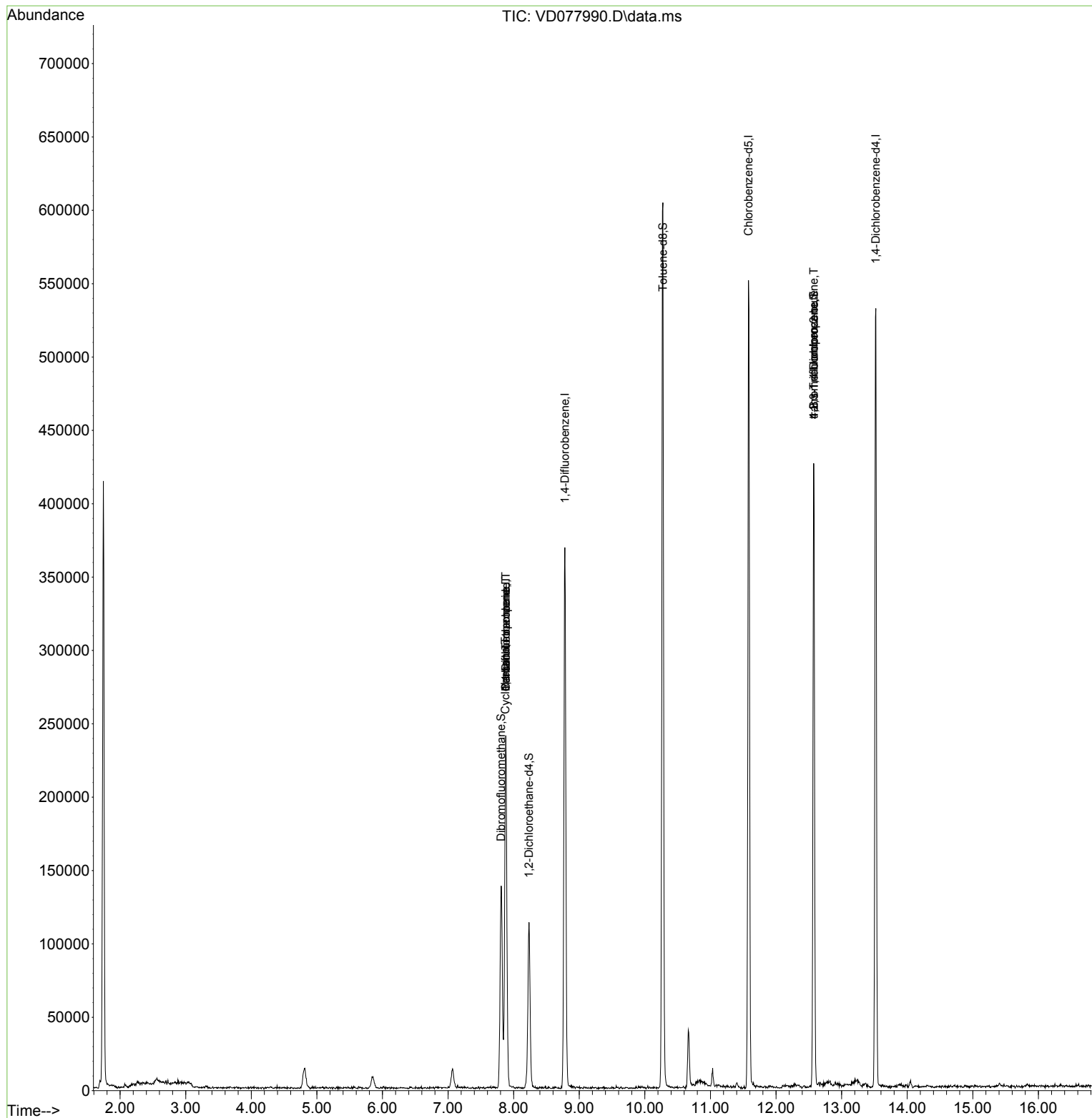
Internal Standards						
1) Pentafluorobenzene	7.881	168	185051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325600	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	149893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86302	39.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.160%
35) Dibromofluoromethane	7.810	113	101882	43.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.140%
50) Toluene-d8	10.275	98	420172	44.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.720%
62) 4-Bromofluorobenzene	12.575	95	125560	44.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.087	59	115	Below Cal	#	73
16) Acetone	4.040	43	361	Below Cal	#	32
20) Methylene Chloride	4.816	84	10680	Below Cal		91
25) 2-Butanone	7.075	43	644	Below Cal	#	37
31) Cyclohexane	7.875	56	4292	1.107	ug/l #	37
36) 1,1-Dichloropropene	7.881	75	14565	3.894	ug/l #	48
38) Carbon Tetrachloride	7.881	117	19145	5.134	ug/l #	15
65) Chlorobenzene	11.604	112	68	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	65799	50.544	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	65799	102.405	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	73	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.481	75	61	Below Cal	#	46

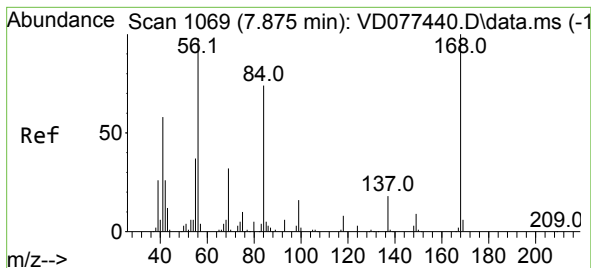
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077990.D

Acq: 20 Dec 2023 12:47

Instrument :

MSVOA_D

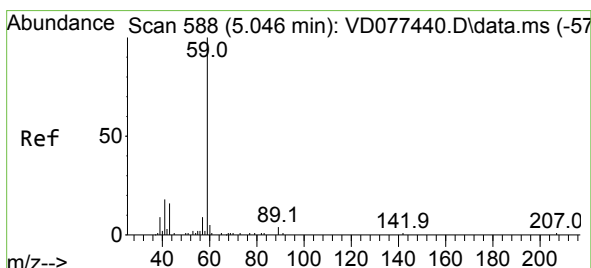
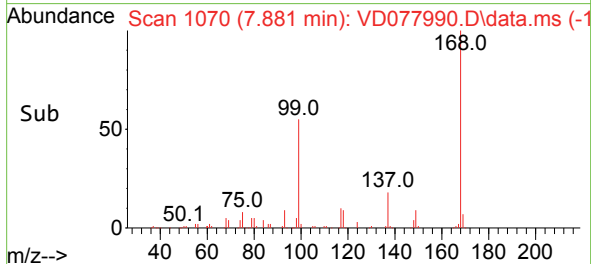
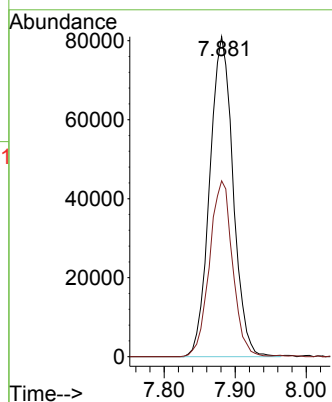
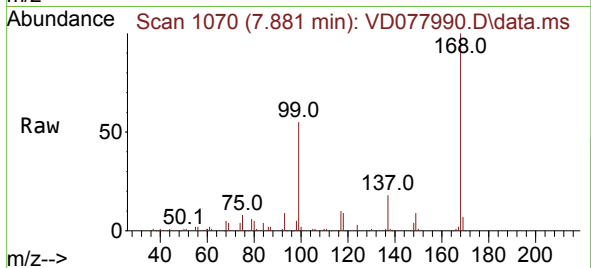
ClientSampleId :

Tgt Ion:168 Resp: 185051

Ion Ratio Lower Upper

168 100

99 55.0 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.087 min Scan# 595

Delta R.T. 0.041 min

Lab File: VD077990.D

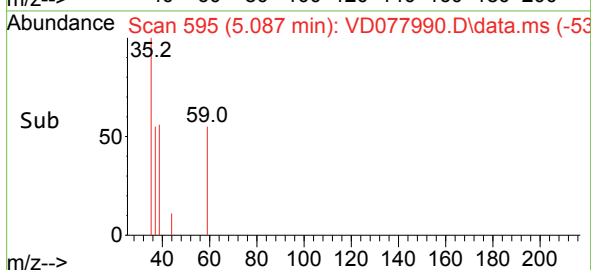
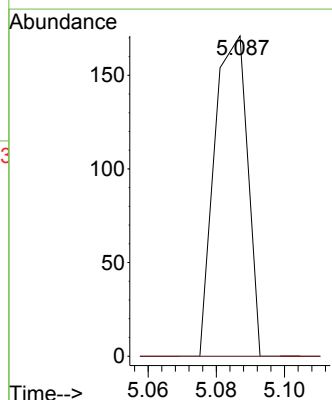
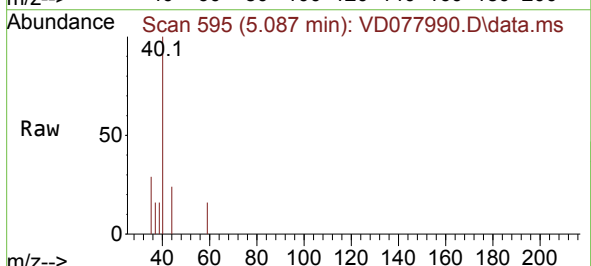
Acq: 20 Dec 2023 12:47

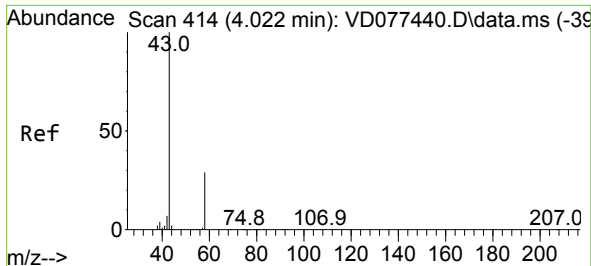
Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

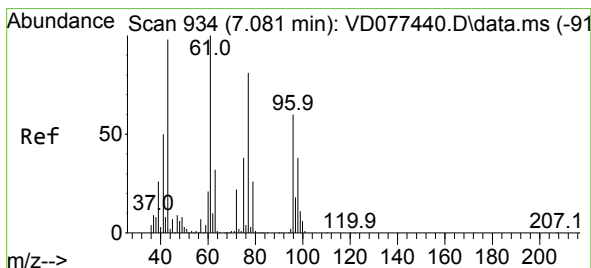
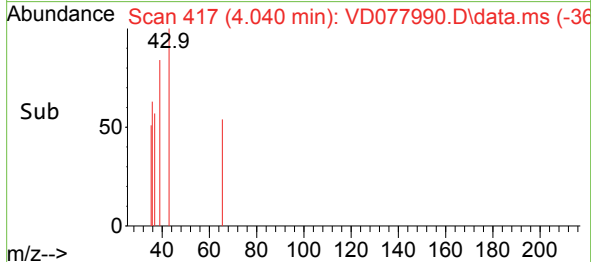
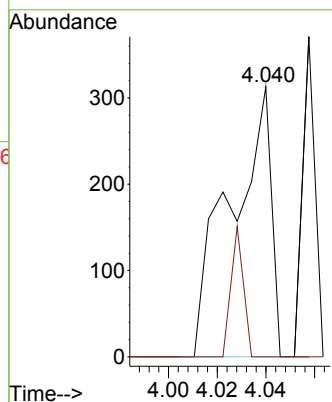
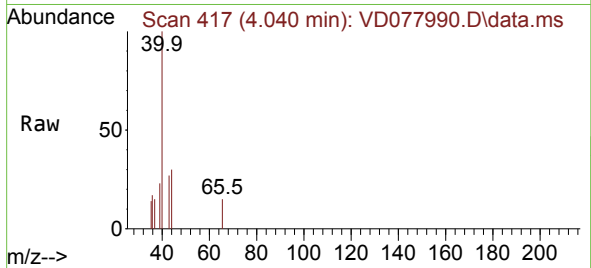




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

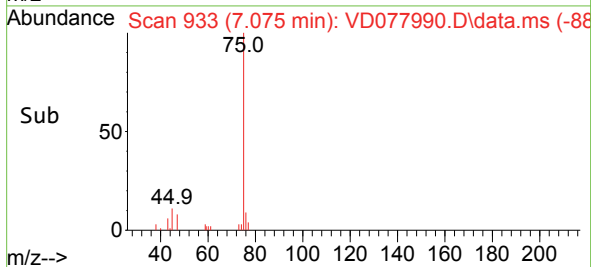
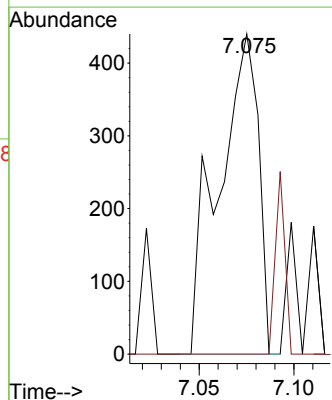
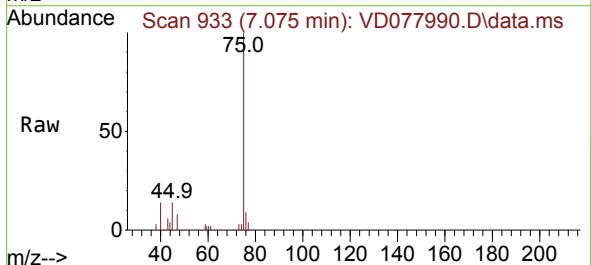
Instrument :
MSVOA_D
ClientSampleId :

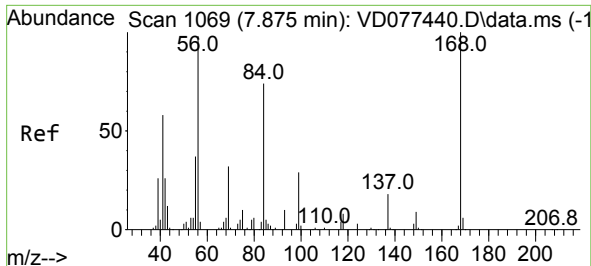
Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

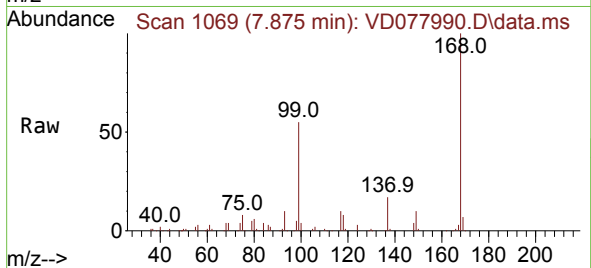
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



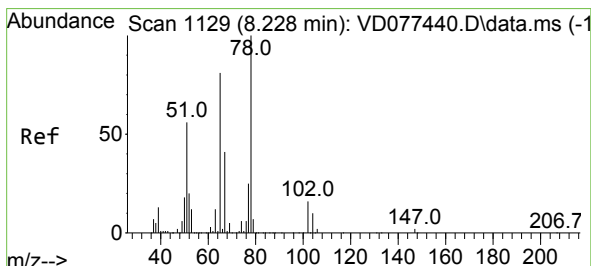
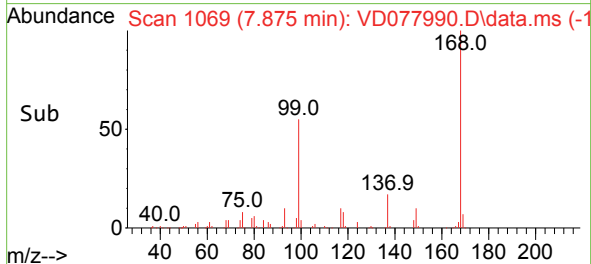
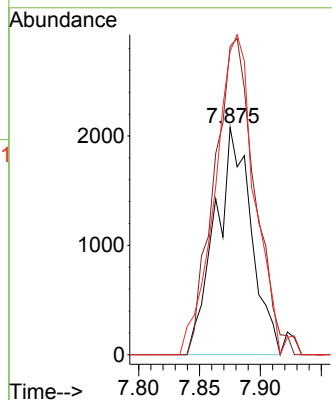


#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

Instrument :
MSVOA_D
ClientSampleId :

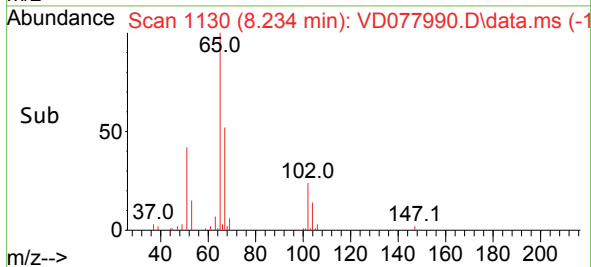
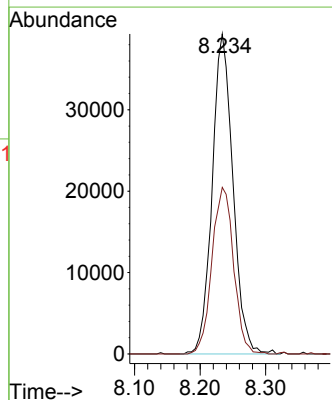
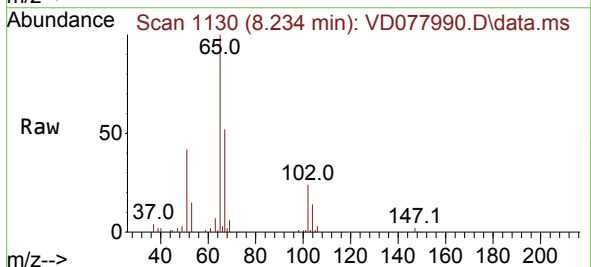


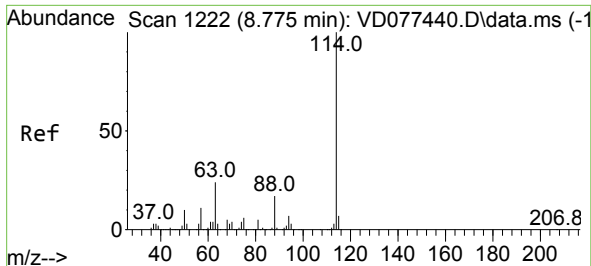
Tgt Ion: 56 Resp: 4292
Ion Ratio Lower Upper
56 100
69 135.7 28.6 43.0#
84 133.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.578 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

Tgt Ion: 65 Resp: 86302
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077990.D

Acq: 20 Dec 2023 12:47

Instrument :

MSVOA_D

ClientSampleId :

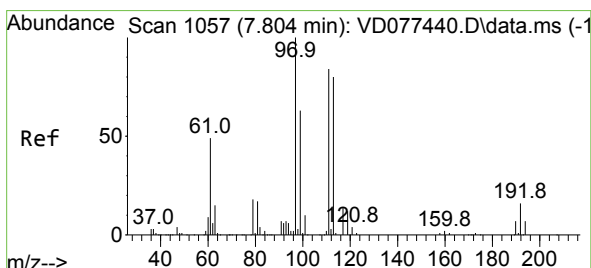
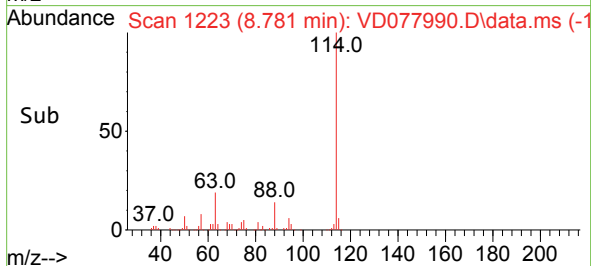
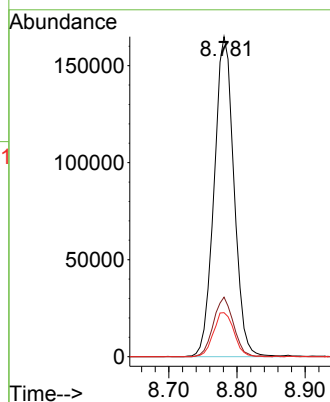
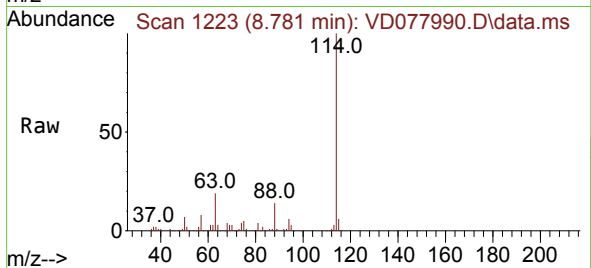
Tgt Ion:114 Resp: 333851

Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.567 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077990.D

Acq: 20 Dec 2023 12:47

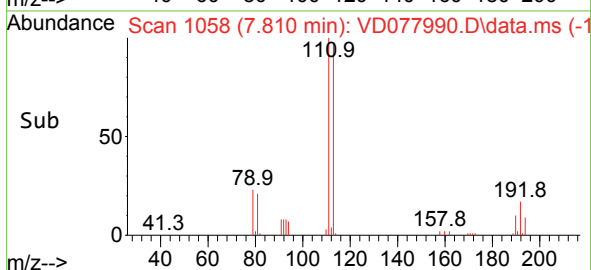
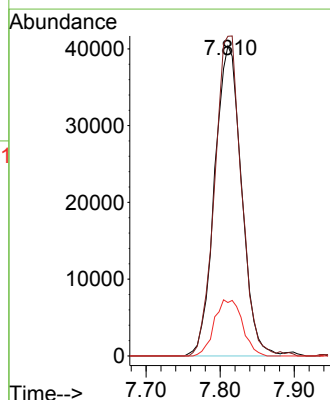
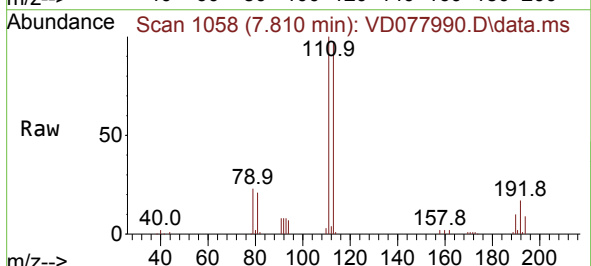
Tgt Ion:113 Resp: 101882

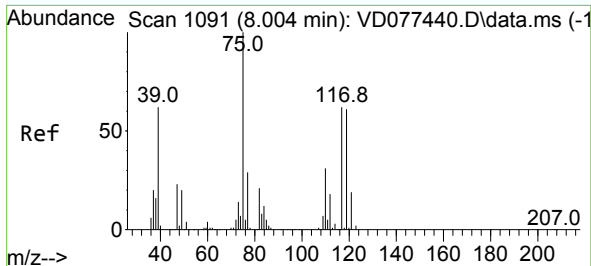
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 18.8 16.8 25.2

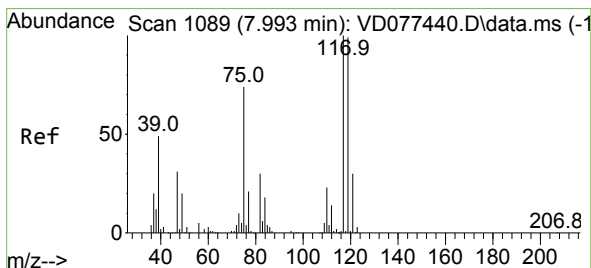
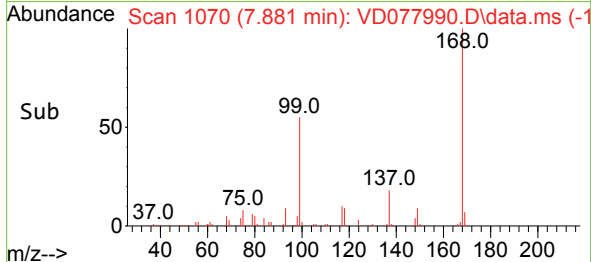
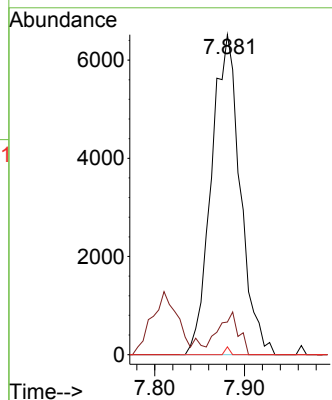
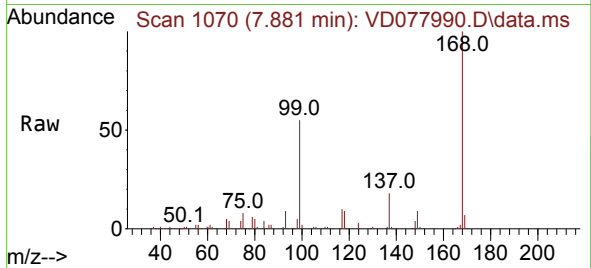




#36
 1,1-Dichloropropene
 Concen: 3.894 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.123 min
 Lab File: VD077990.D
 Acq: 20 Dec 2023 12:47

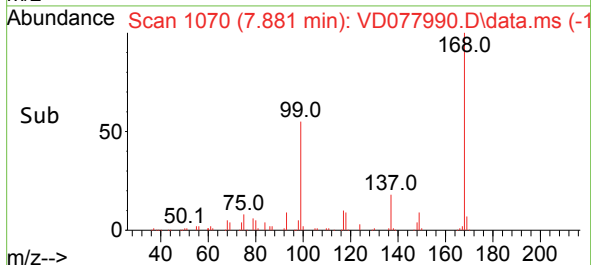
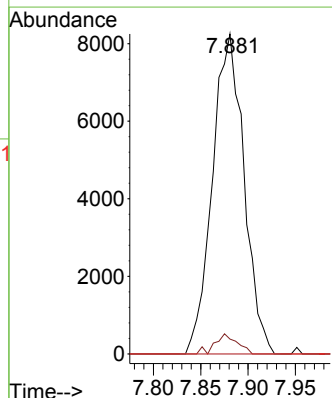
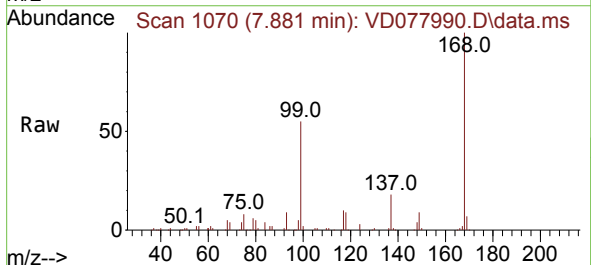
Instrument :
 MSVOA_D
 ClientSampleId :

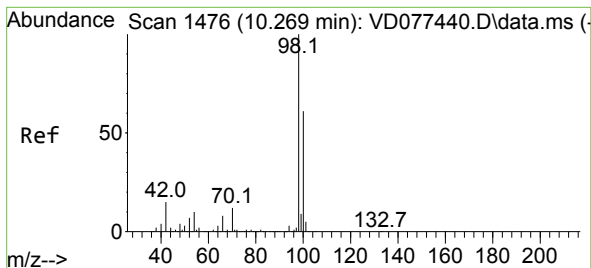
Tgt Ion: 75 Resp: 14565
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.9 59.6#
 77 0.4 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.134 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.112 min
 Lab File: VD077990.D
 Acq: 20 Dec 2023 12:47

Tgt Ion: 117 Resp: 19145
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.0 117.0#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.861 ug/l

RT: 10.275 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD077990.D

Acq: 20 Dec 2023 12:47

Instrument :

MSVOA_D

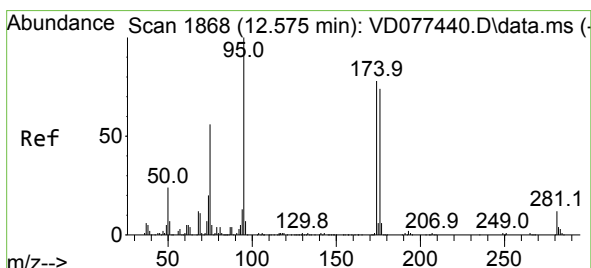
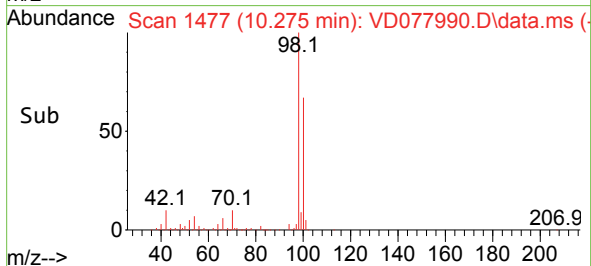
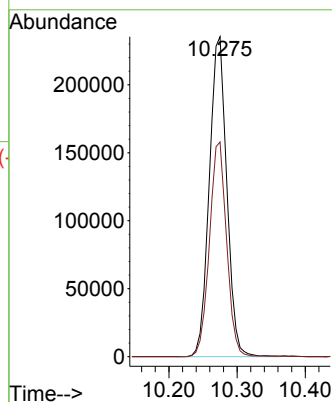
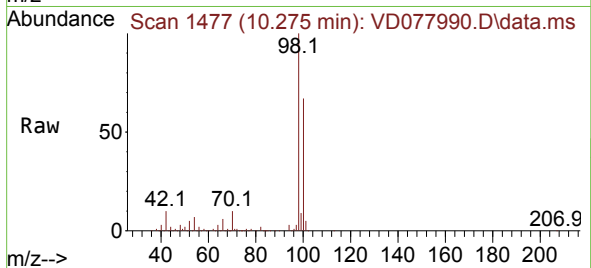
ClientSampleId :

Tgt Ion: 98 Resp: 420172

Ion Ratio Lower Upper

98 100

100 65.9 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 44.839 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077990.D

Acq: 20 Dec 2023 12:47

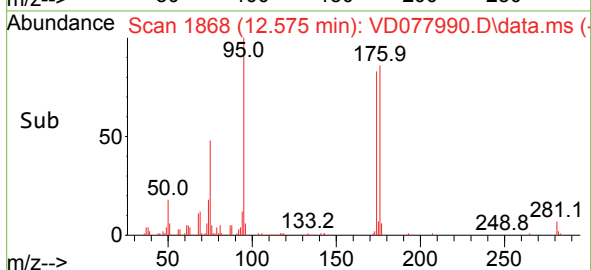
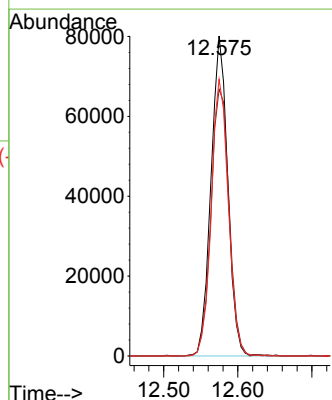
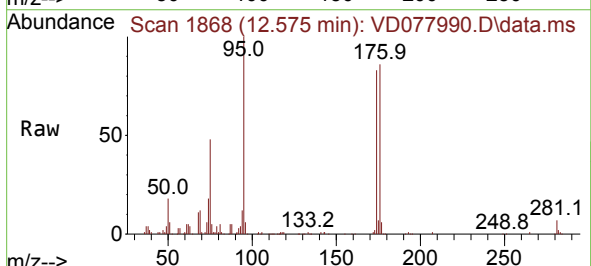
Tgt Ion: 95 Resp: 125560

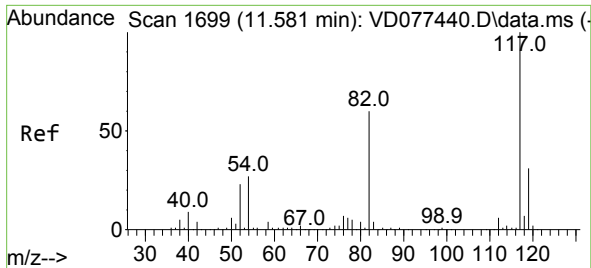
Ion Ratio Lower Upper

95 100

174 90.6 0.0 201.8

176 88.0 0.0 191.8

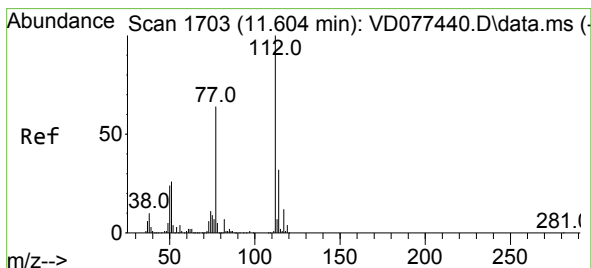
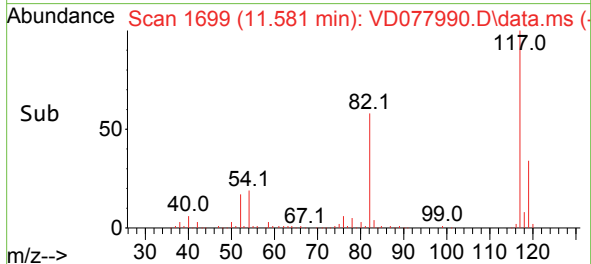
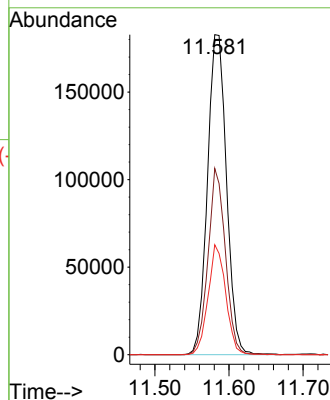
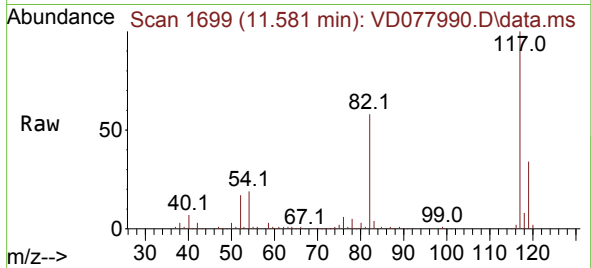




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

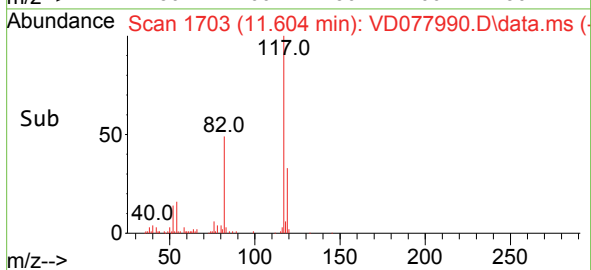
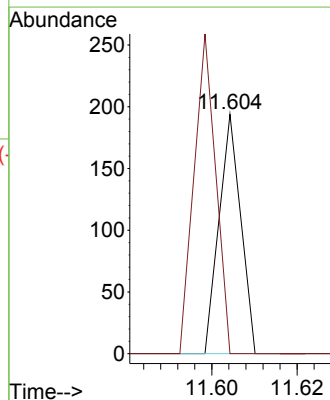
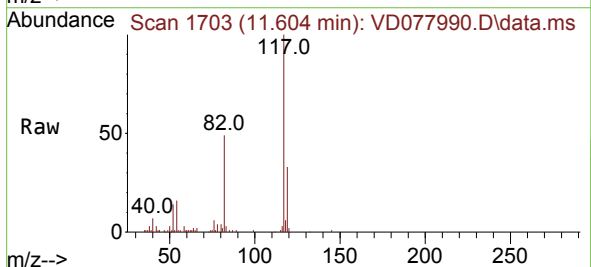
Instrument :
MSVOA_D
ClientSampleId :

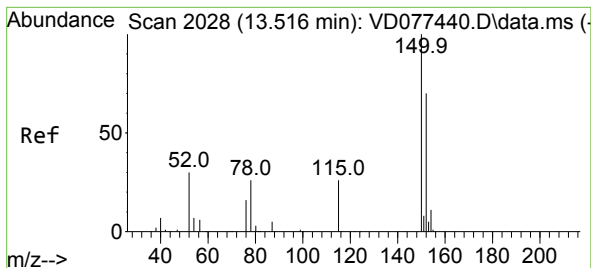
Tgt Ion:117 Resp: 325600
Ion Ratio Lower Upper
117 100
82 58.2 38.3 57.5#
119 34.3 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

Tgt Ion:112 Resp: 68
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077990.D

Acq: 20 Dec 2023 12:47

Instrument :

MSVOA_D

ClientSampleId :

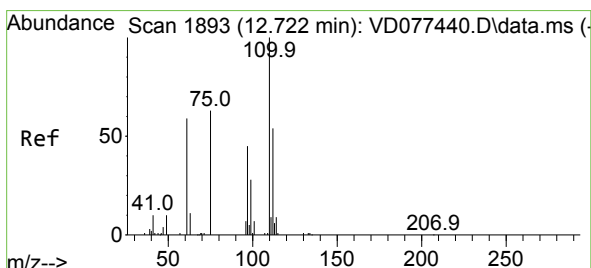
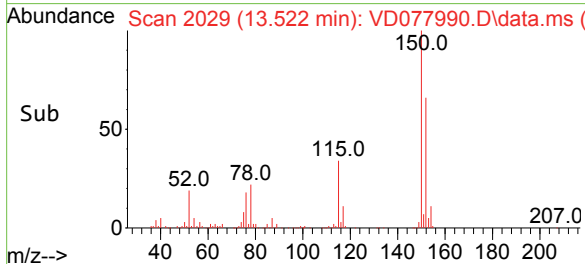
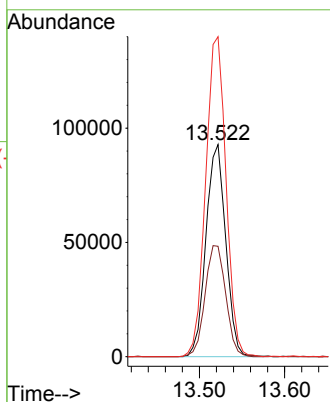
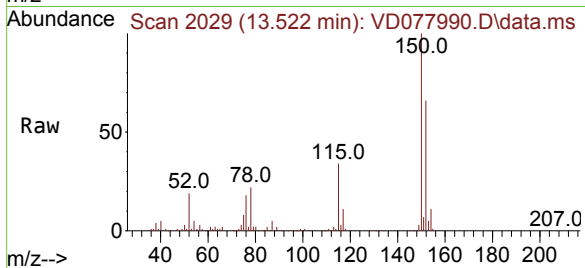
Tgt Ion:152 Resp: 149893

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.3

150 154.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 50.544 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077990.D

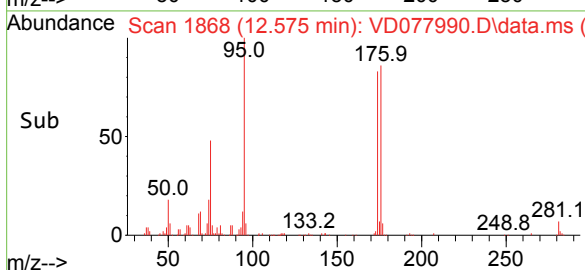
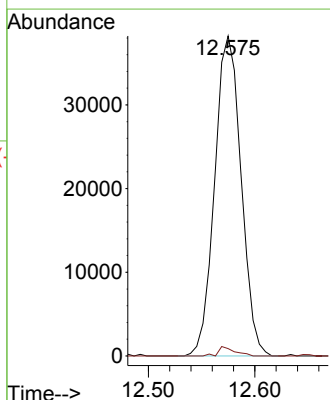
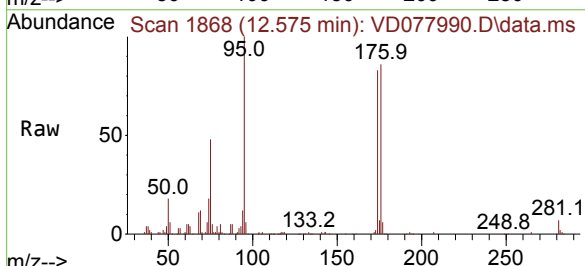
Acq: 20 Dec 2023 12:47

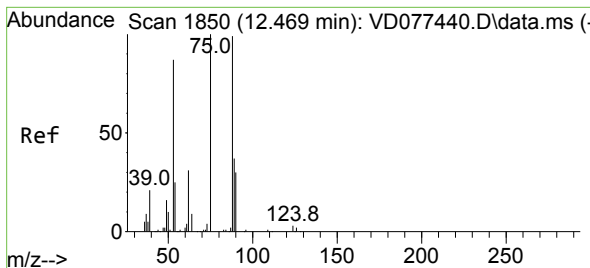
Tgt Ion: 75 Resp: 65799

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

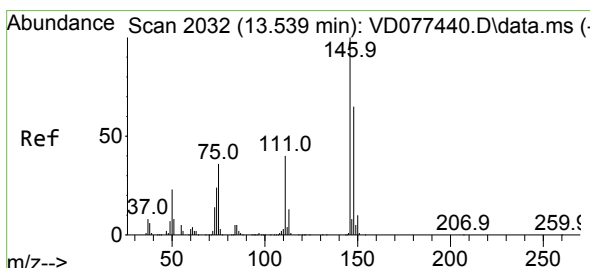
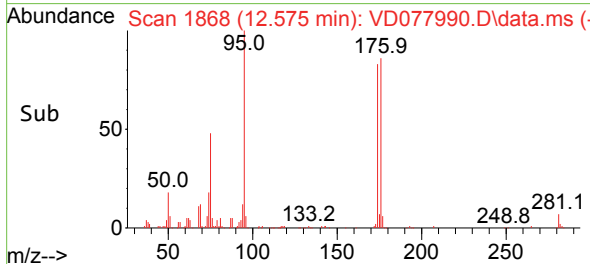
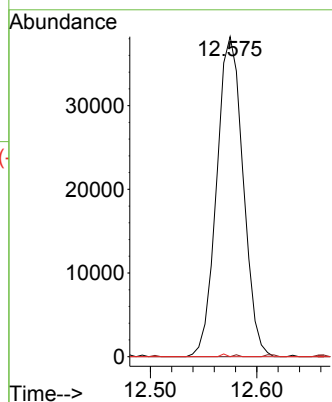
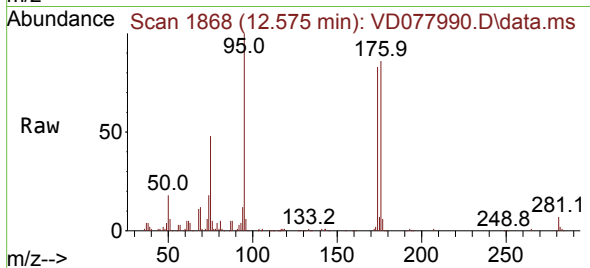




#81
trans-1,4-Dichloro-2-butene
Concen: 102.405 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 65799
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.2 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.545 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VD077990.D
Acq: 20 Dec 2023 12:47

Tgt Ion: 146 Resp: 73
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

