

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021522\
 Data File : VD071977.D
 Acq On : 15 Feb 2022 14:16
 Operator : VA/SY
 Sample : N1521-13RE
 Misc : 5.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 16 00:36:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

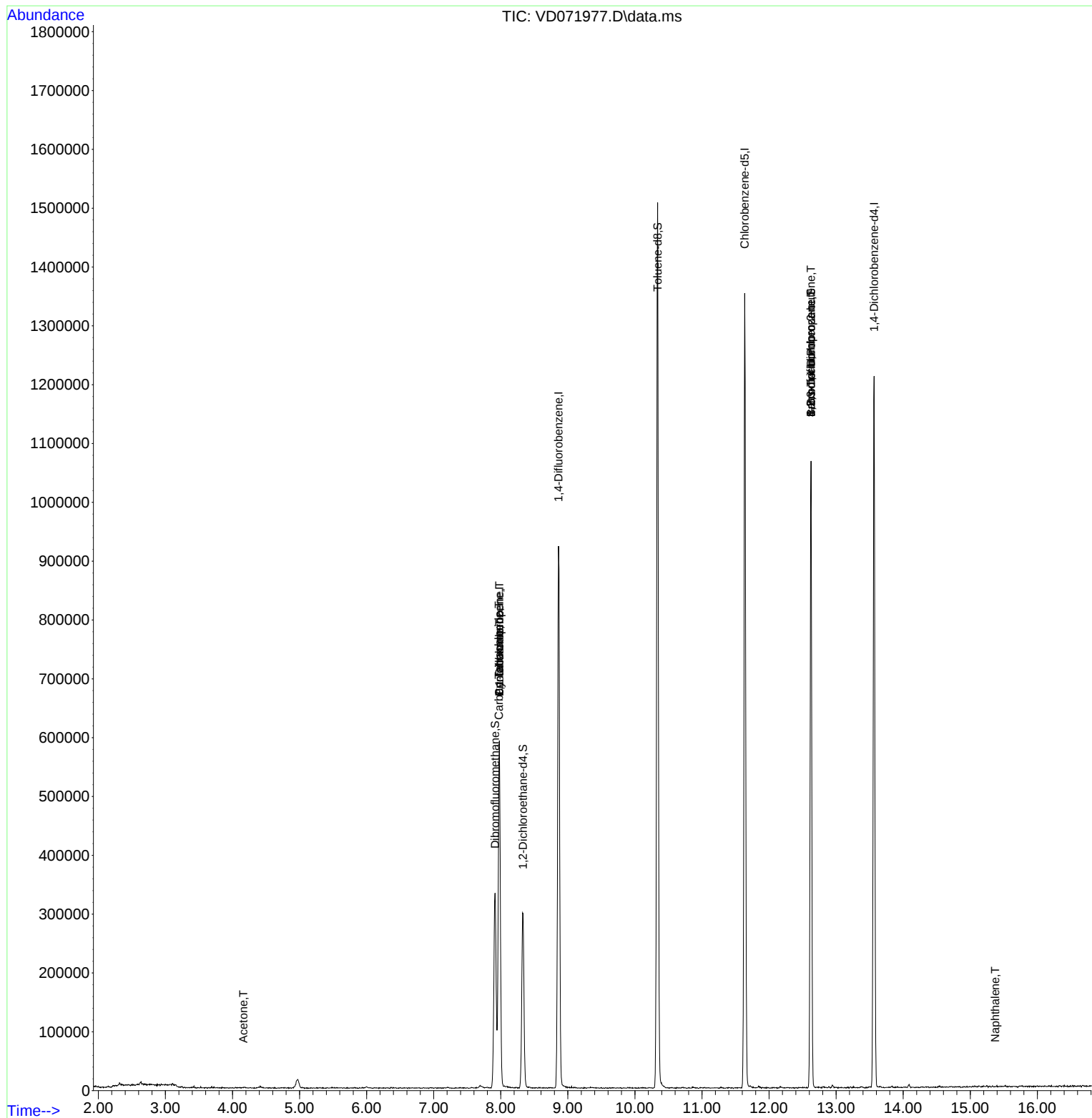
Internal Standards						
1) Pentafluorobenzene	7.979	168	392134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	735500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	703014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	296049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	245467	49.526	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.060%		
35) Dibromofluoromethane	7.914	113	237601	49.145	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.300%		
50) Toluene-d8	10.338	98	961765	53.266	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.540%		
62) 4-Bromofluorobenzene	12.626	95	306947	48.681	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	72	Below Cal	#	74
16) Acetone	4.162	43	2673	1.970	ug/l #	76
20) Methylene Chloride	4.962	84	10413	Below Cal	#	89
31) Cyclohexane	7.979	56	12832	1.356	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	38572	4.648	ug/l #	51
38) Carbon Tetrachloride	7.973	117	42292	5.154	ug/l #	15
71) Bromoform	12.626	173	3687	1.276	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	174247	55.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	174247	137.319	ug/l #	7
95) Naphthalene	15.373	128	357	1.488	ug/l #	70

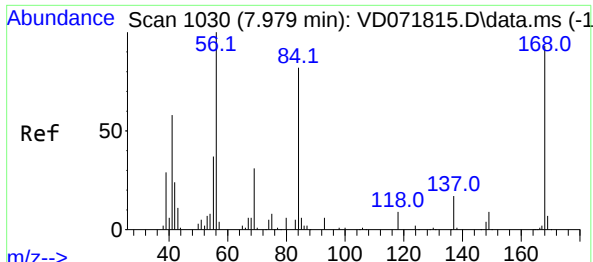
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

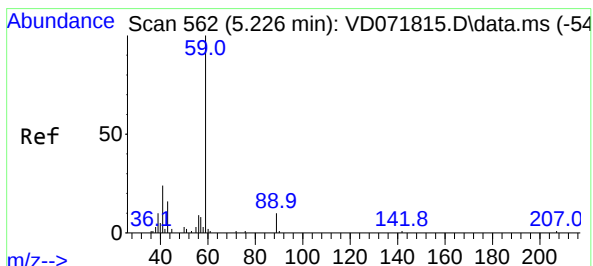
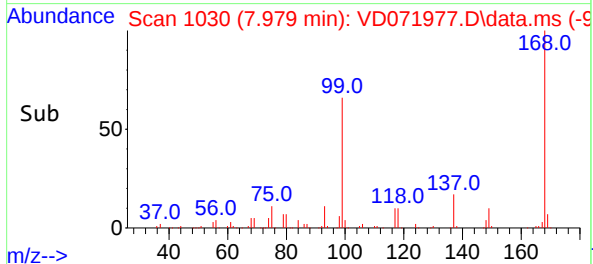
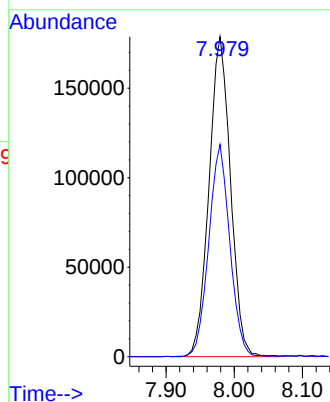
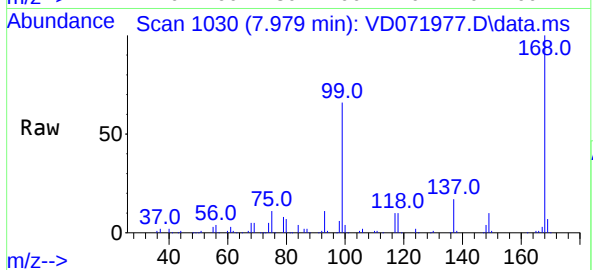




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

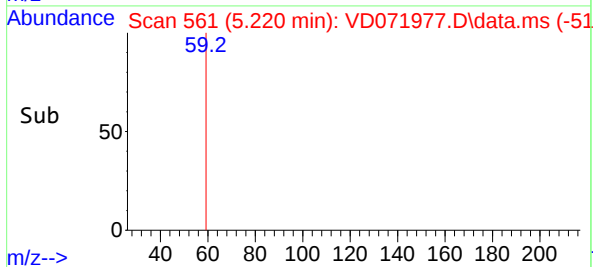
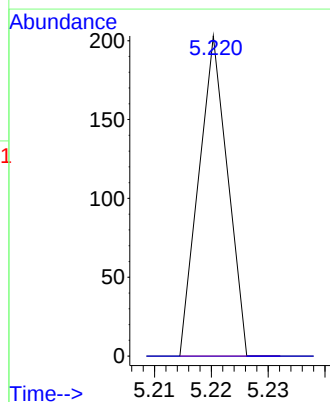
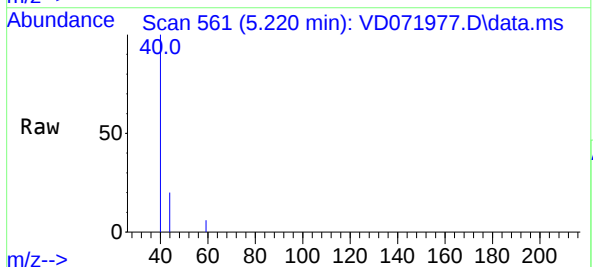
Instrument :
MSVOA_D
ClientSampleId :

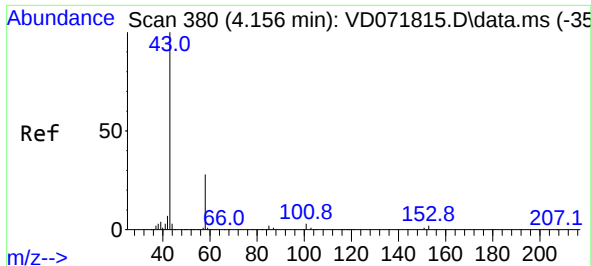
Tgt Ion:168 Resp: 392134
Ion Ratio Lower Upper
168 100
99 66.1 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

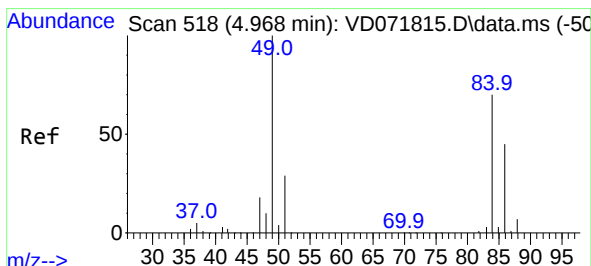
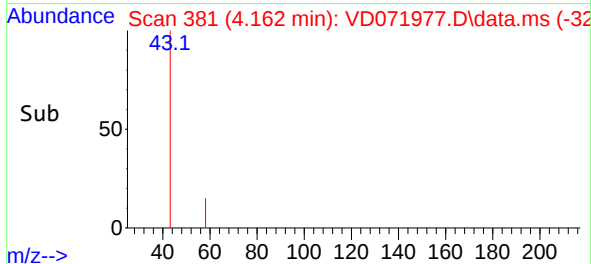
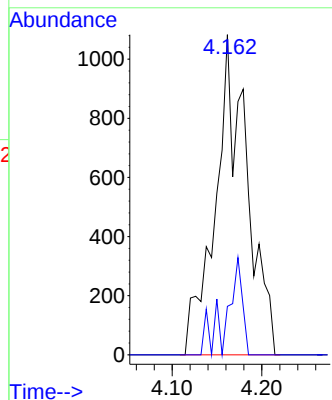
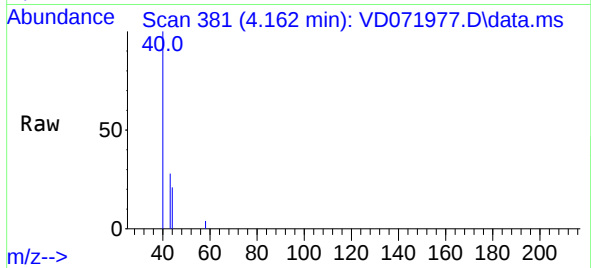




#16
Acetone
Concen: 1.970 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

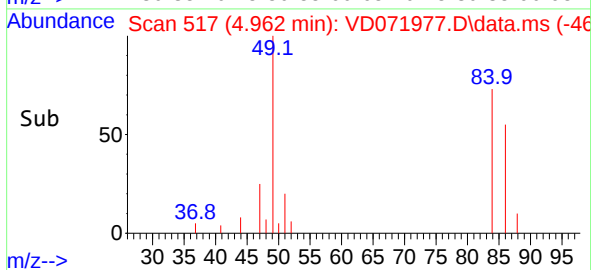
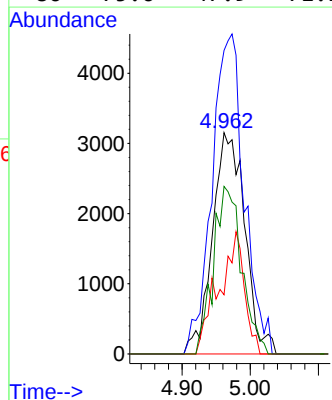
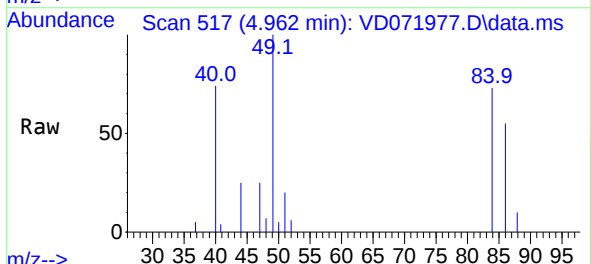
Instrument :
MSVOA_D
ClientSampleId :

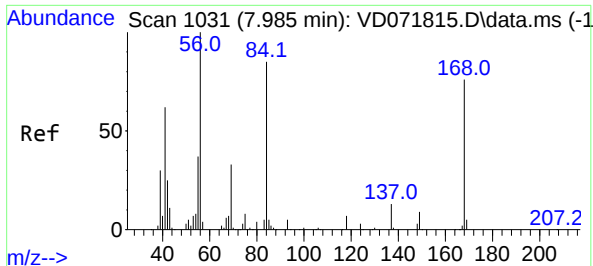
Tgt Ion: 43 Resp: 2673
Ion Ratio Lower Upper
43 100
58 15.1 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Tgt Ion: 84 Resp: 10413
Ion Ratio Lower Upper
84 100
49 137.1 112.8 169.2
51 26.8 32.6 48.8#
86 75.6 47.9 71.9#





#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071977.D

Acq: 15 Feb 2022 14:16

Instrument :

MSVOA_D

ClientSampleId :

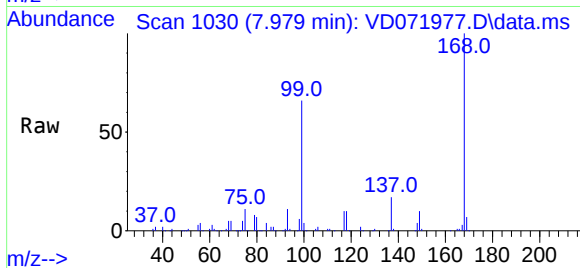
Tgt Ion: 56 Resp: 12832

Ion Ratio Lower Upper

56 100

69 143.4 25.4 38.2#

84 104.3 63.0 94.4#



Abundance

8000

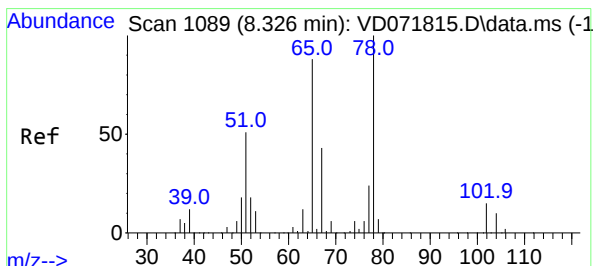
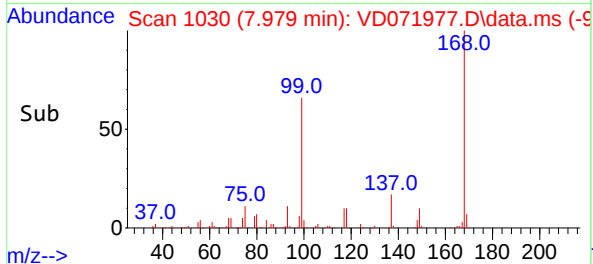
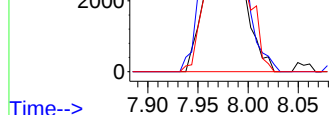
6000

4000

2000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.526 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071977.D

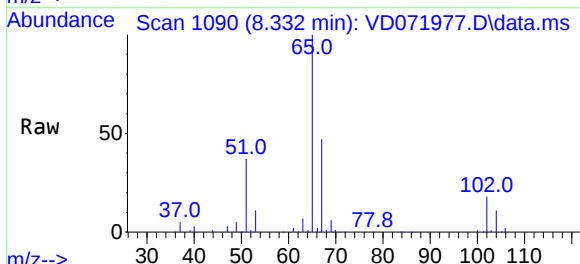
Acq: 15 Feb 2022 14:16

Tgt Ion: 65 Resp: 245467

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.4



Abundance

100000

80000

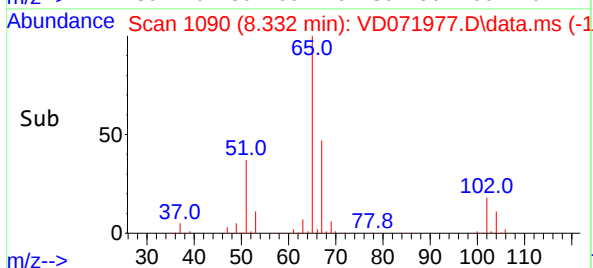
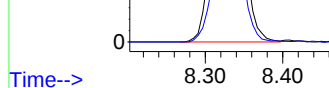
60000

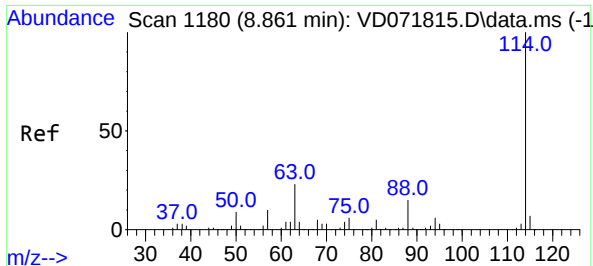
40000

20000

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Time-->

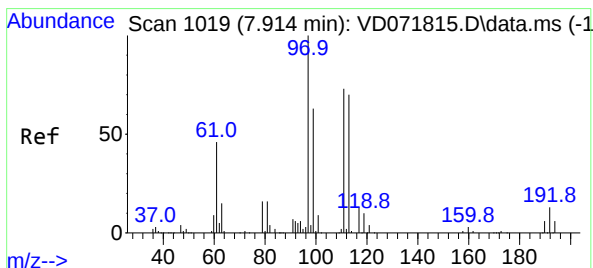
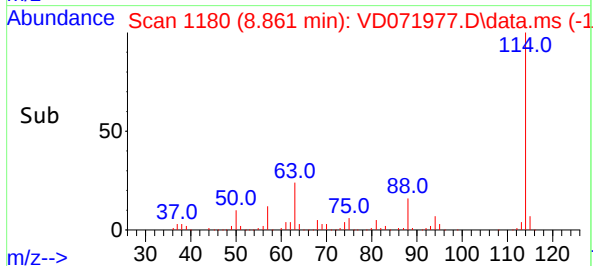
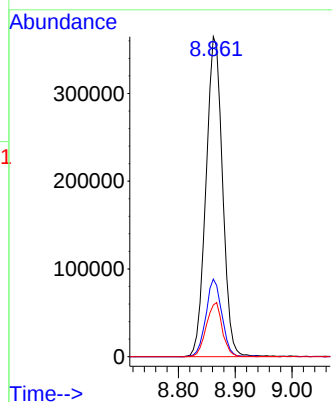
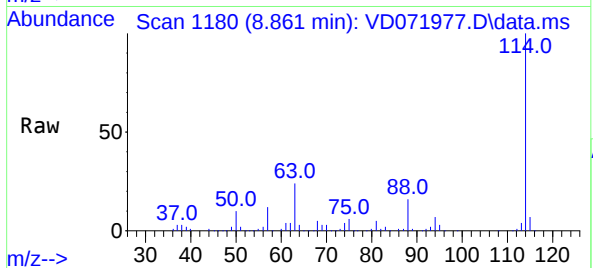




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

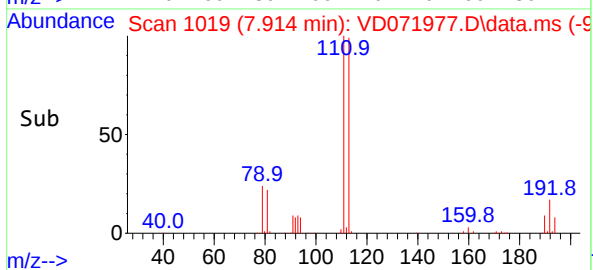
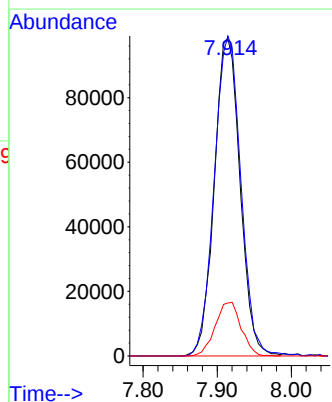
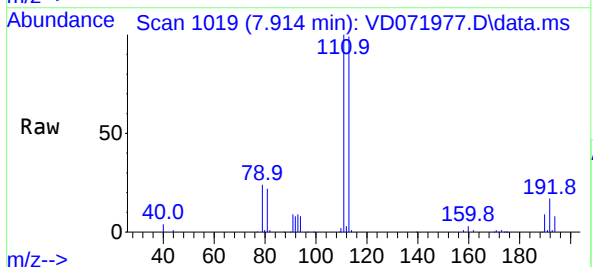
Instrument :
MSVOA_D
ClientSampleId :

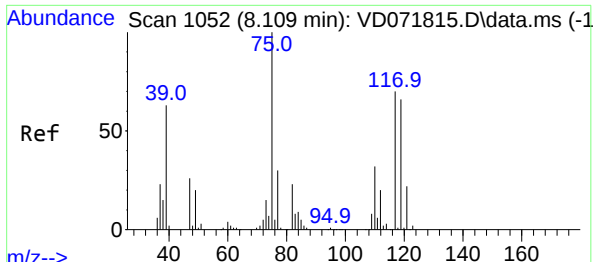
Tgt Ion:114 Resp: 735500
Ion Ratio Lower Upper
114 100
63 24.3 0.0 46.6
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.145 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

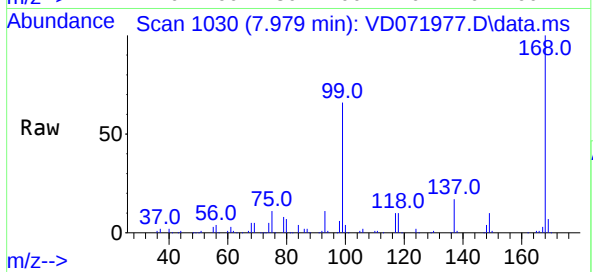
Tgt Ion:113 Resp: 237601
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.6
192 17.0 14.6 21.8



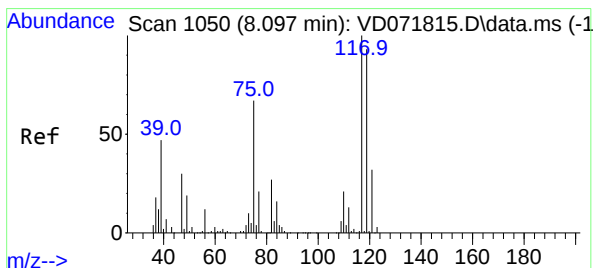
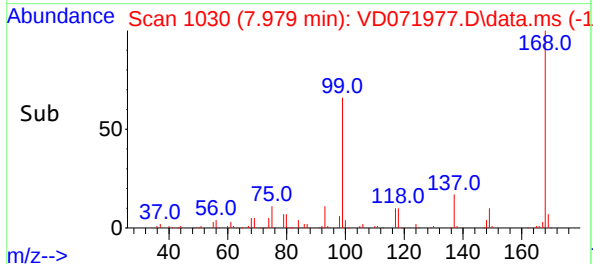
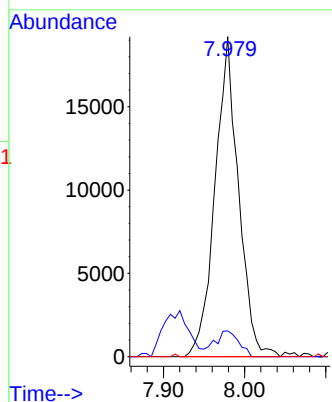


#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

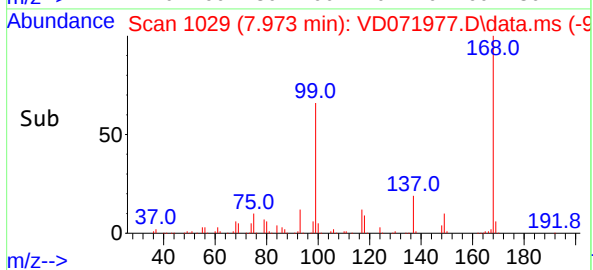
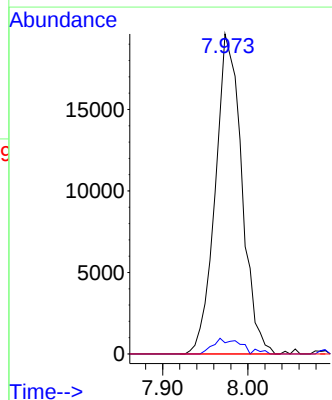
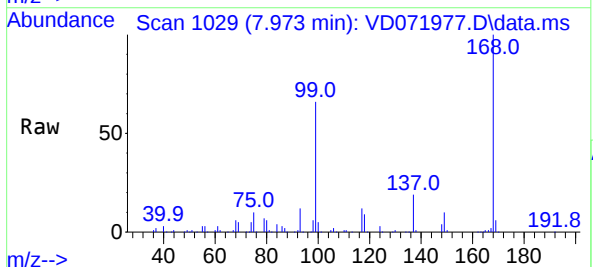


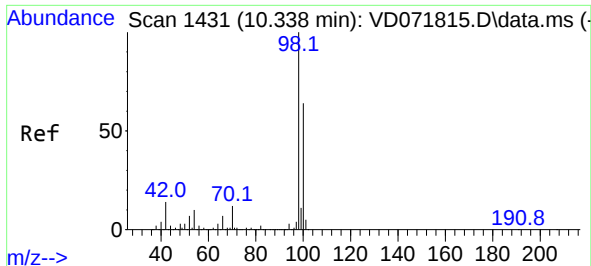
Tgt Ion: 75 Resp: 38572
Ion Ratio Lower Upper
75 100
110 8.1 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.154 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Tgt Ion: 117 Resp: 42292
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.6#
121 0.0 24.5 36.7#

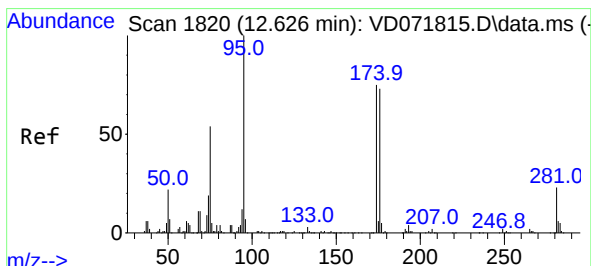
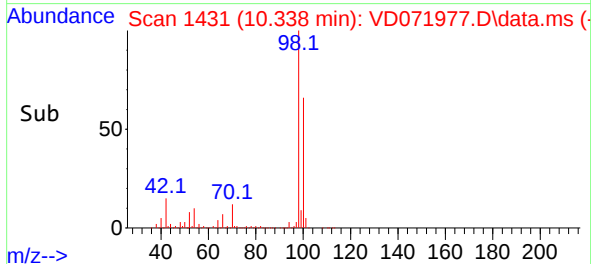
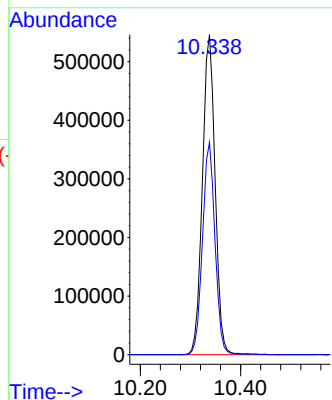
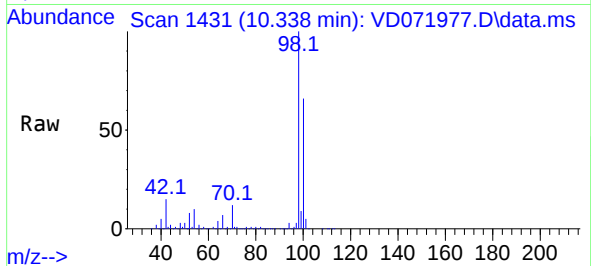




#50
Toluene-d8
Concen: 53.266 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

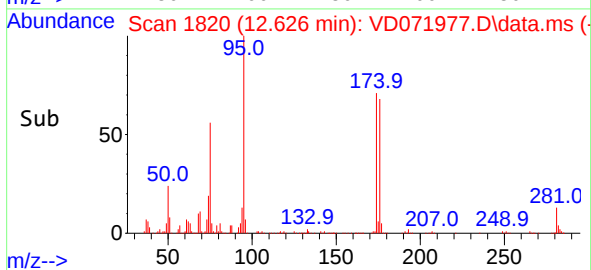
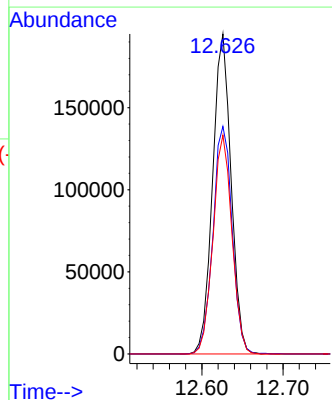
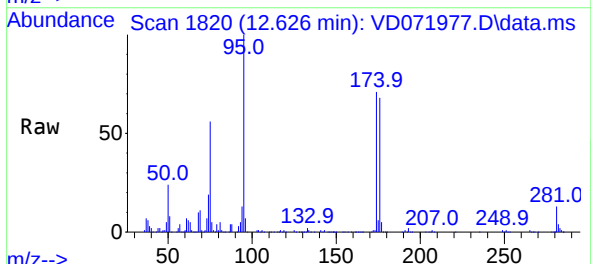
Instrument :
MSVOA_D
ClientSampleId :

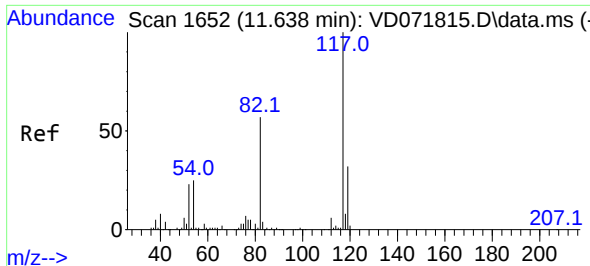
Tgt Ion: 98 Resp: 961765
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.681 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

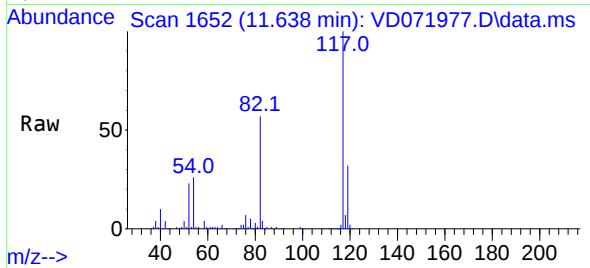
Tgt Ion: 95 Resp: 306947
Ion Ratio Lower Upper
95 100
174 74.2 0.0 152.8
176 70.1 0.0 145.4



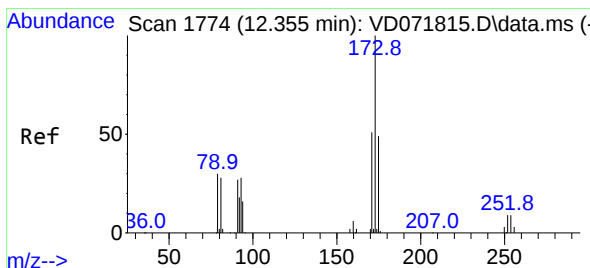
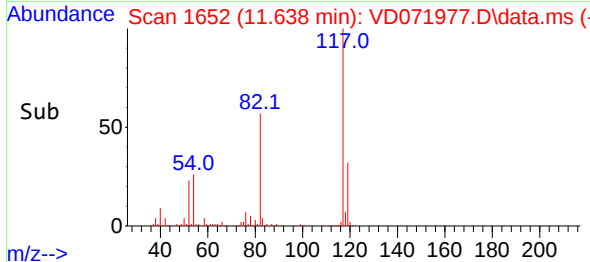
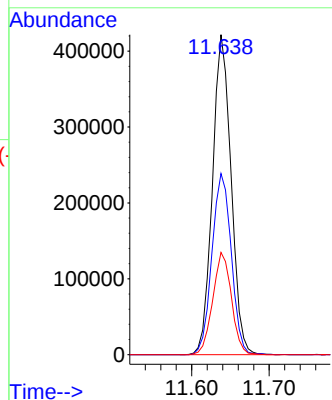


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

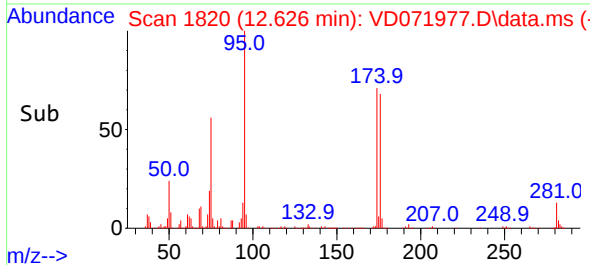
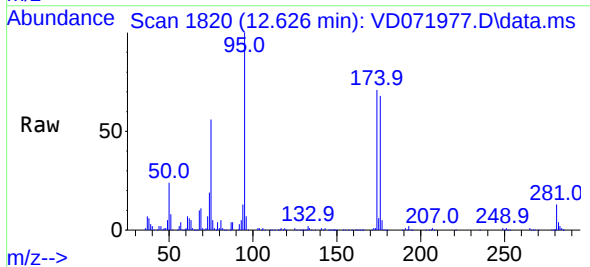
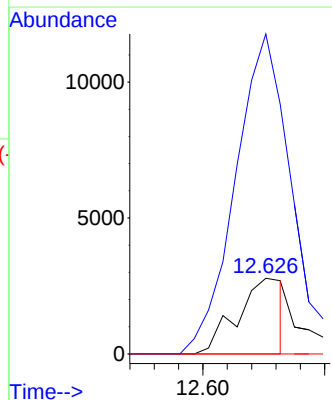


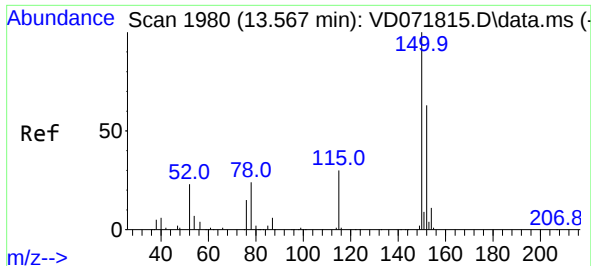
Tgt Ion:117 Resp: 703014
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 31.9 26.6 40.0



#71
Bromoform
Concen: 1.276 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

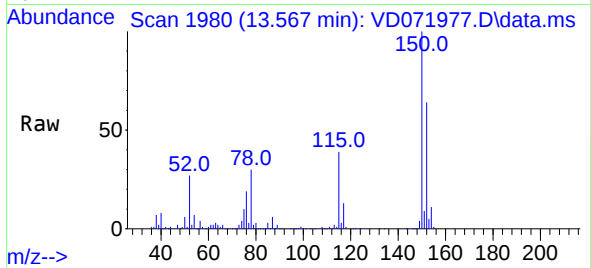
Tgt Ion:173 Resp: 3687
Ion Ratio Lower Upper
173 100
175 416.9 23.9 71.8#
254 0.0 0.0 0.0



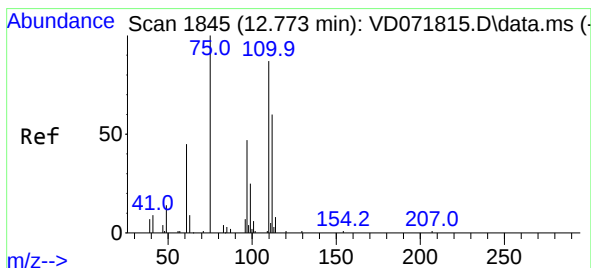
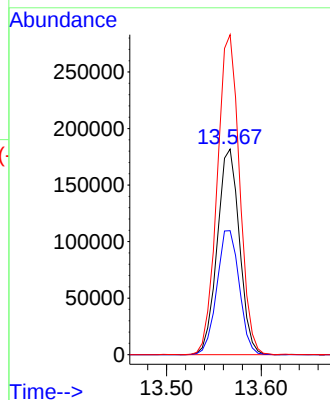
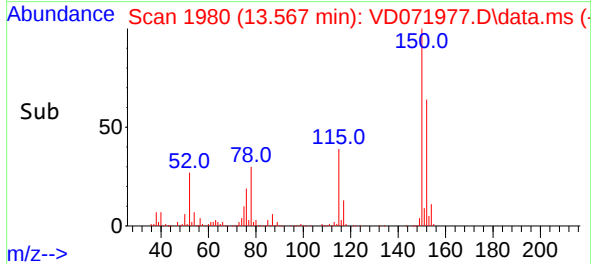


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

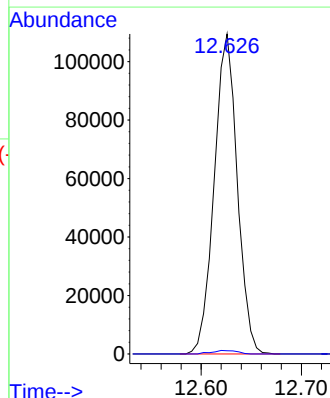
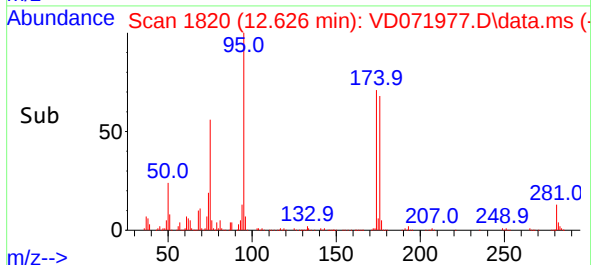
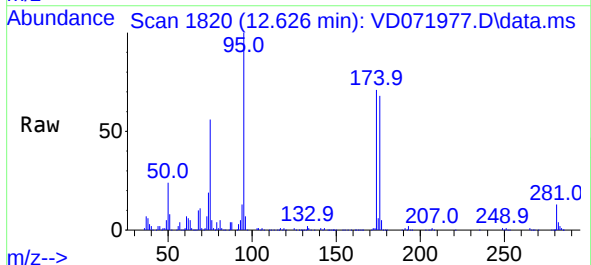


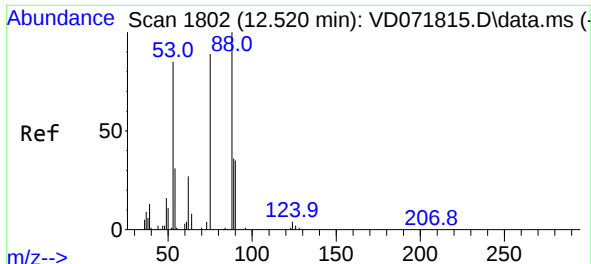
Tgt Ion:152 Resp: 296049
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 156.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 55.849 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Tgt Ion: 75 Resp: 174247
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

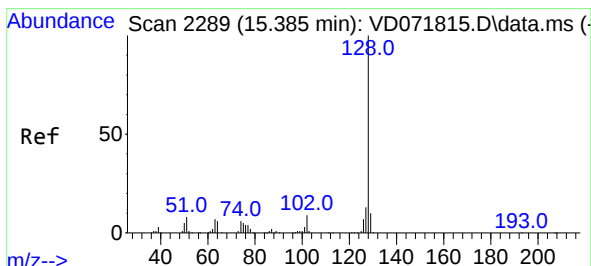
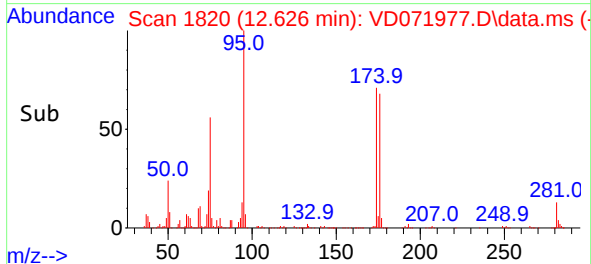
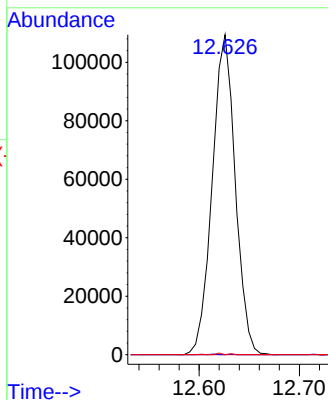
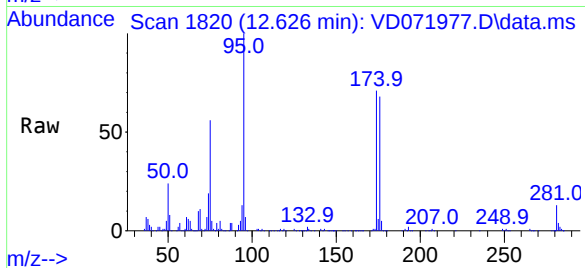




#81
trans-1,4-Dichloro-2-butene
Concen: 137.319 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 174247
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#



#95
Naphthalene
Concen: 1.488 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD071977.D
Acq: 15 Feb 2022 14:16

Tgt Ion:128 Resp: 357
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

