

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070917.D
 Acq On : 03 Nov 2021 18:27
 Operator : VA/SY
 Sample : M4470-04RE
 Misc : 5.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:15:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

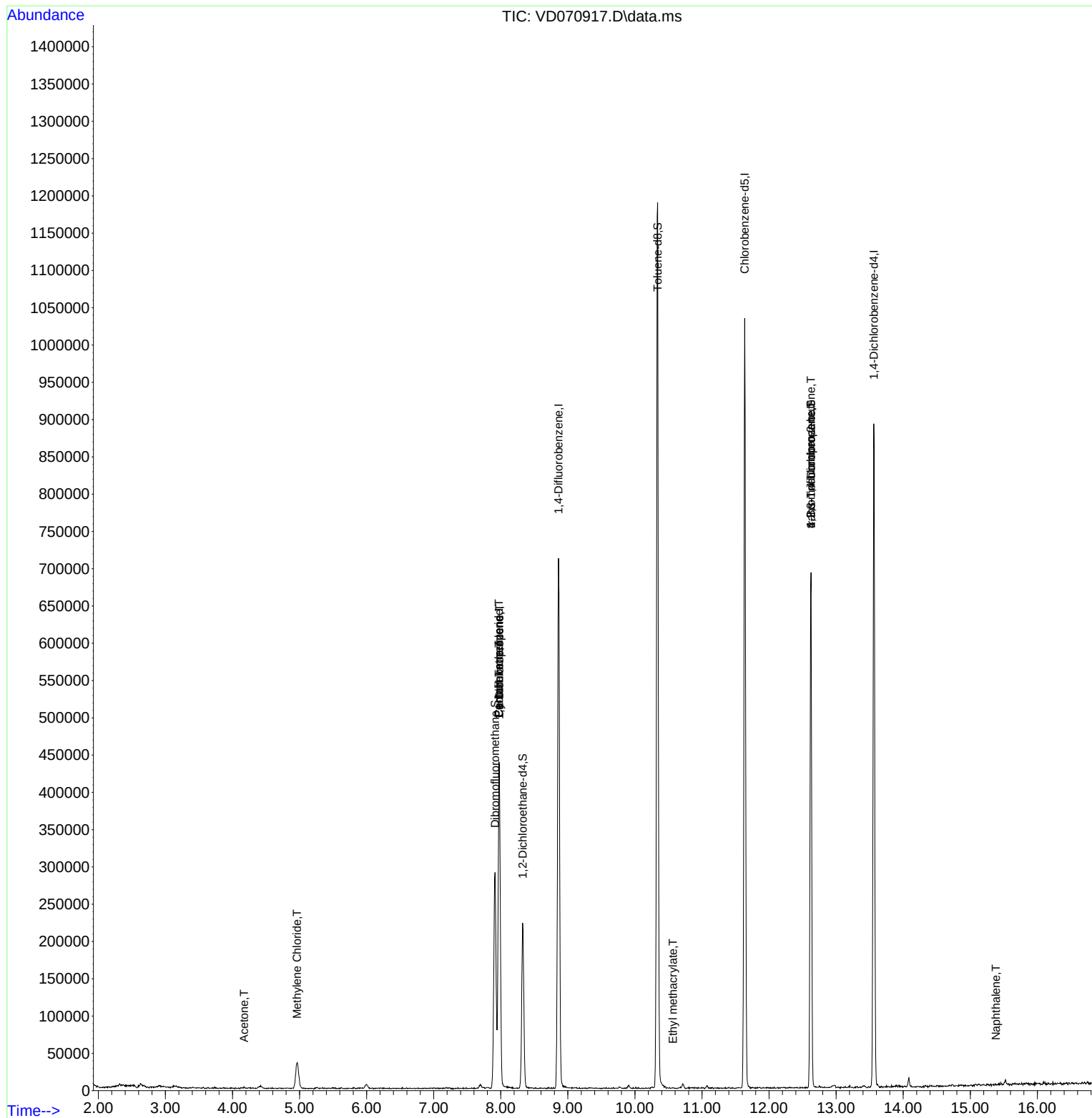
Internal Standards						
1) Pentafluorobenzene	7.973	168	336557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	632129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	617353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	252802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	167300	49.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.860%
35) Dibromofluoromethane	7.914	113	211252	50.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.380%
50) Toluene-d8	10.338	98	836429	53.342	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.680%
62) 4-Bromofluorobenzene	12.626	95	232441	44.927	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	233	Below Cal	#	3
16) Acetone	4.173	43	1614	2.049	ug/l	95
20) Methylene Chloride	4.961	84	28875	1.131	ug/l	95
31) Cyclohexane	7.973	56	7147	1.036	ug/l	# 1
36) 1,1-Dichloropropene	7.979	75	26301	3.977	ug/l	# 50
38) Carbon Tetrachloride	7.973	117	32625	4.905	ug/l	# 18
56) Ethyl methacrylate	10.567	69	62	2.855	ug/l	# 59
76) 1,2,3-Trichloropropane	12.626	75	108074	43.427	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	108074	113.981	ug/l	# 19
95) Naphthalene	15.384	128	122	4.138	ug/l	# 69

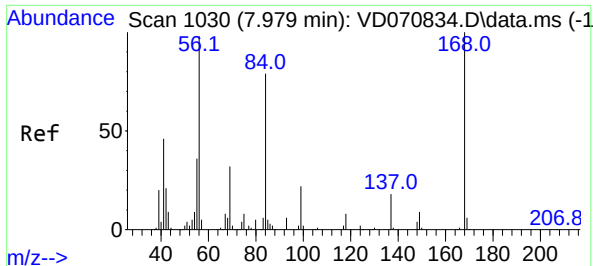
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 27 05:34:47 2021
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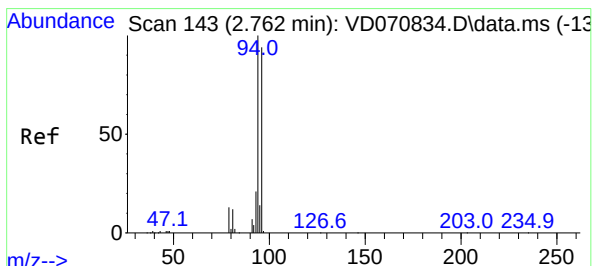
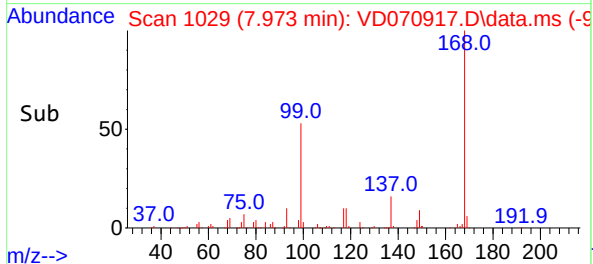
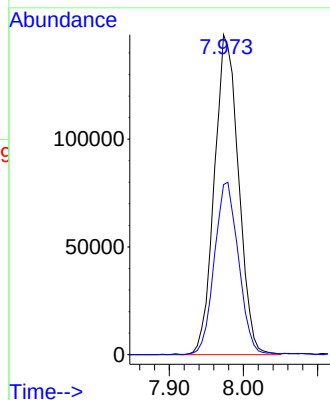
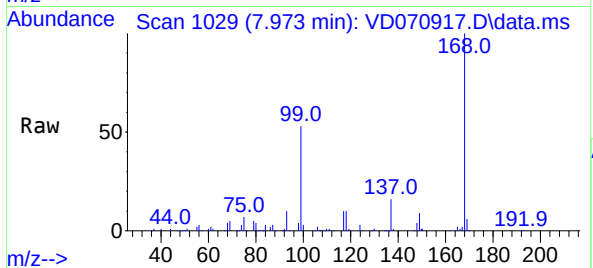




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

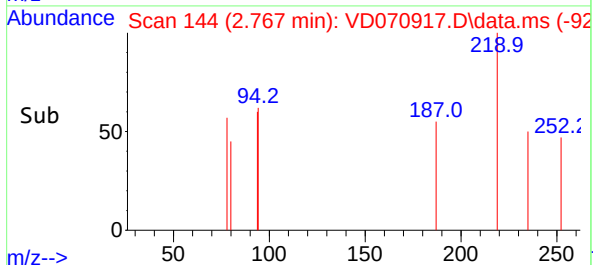
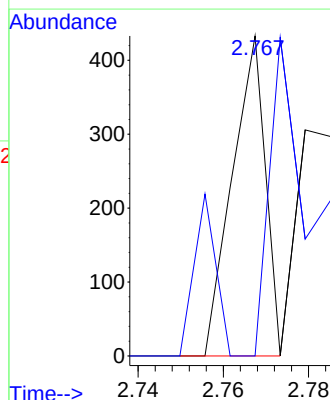
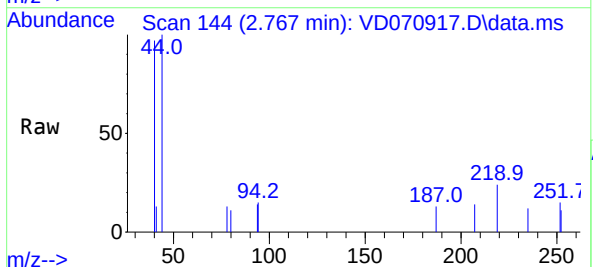
Instrument :
MSVOA_D
ClientSampleId :

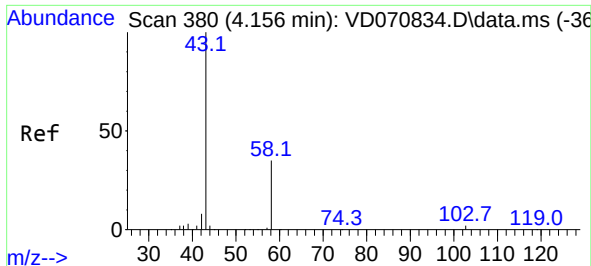
Tgt Ion:168 Resp: 336557
Ion Ratio Lower Upper
168 100
99 53.1 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

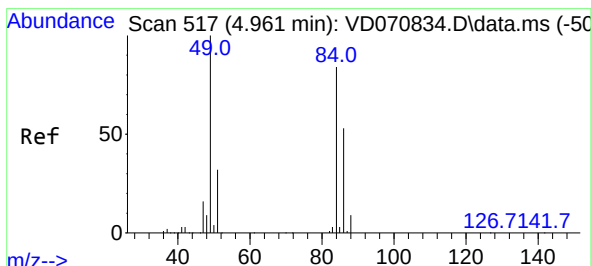
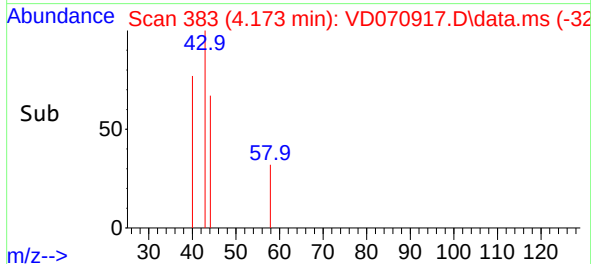
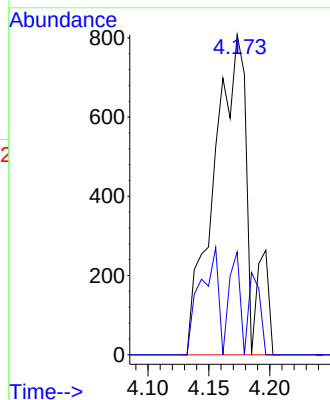
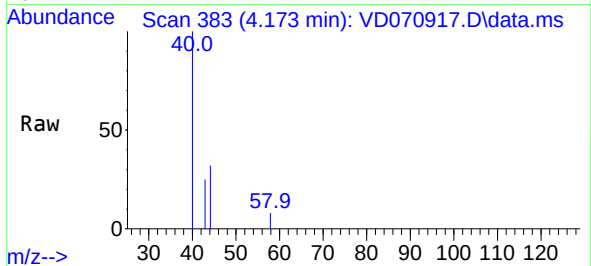




#16
Acetone
Concen: 2.049 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

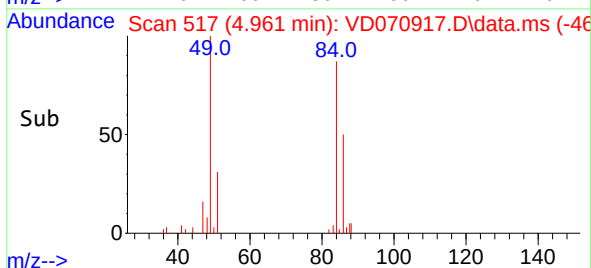
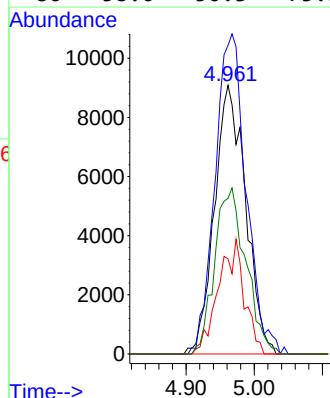
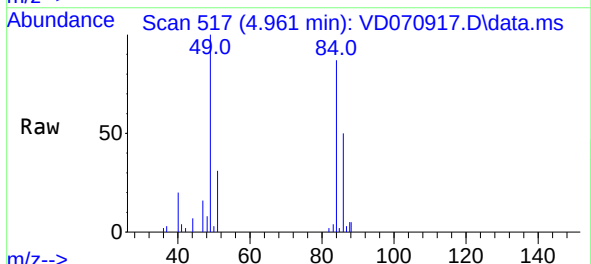
Instrument :
MSVOA_D
ClientSampleId :

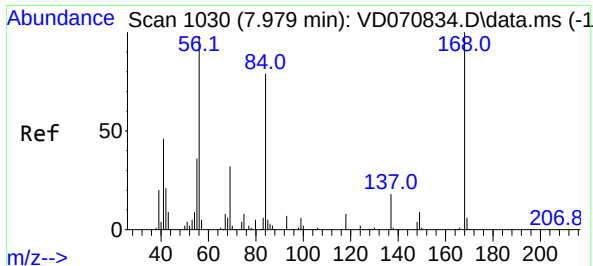
Tgt Ion: 43 Resp: 1614
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8



#20
Methylene Chloride
Concen: 1.131 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

Tgt Ion: 84 Resp: 28875
Ion Ratio Lower Upper
84 100
49 114.9 95.8 143.6
51 35.5 30.9 46.3
86 58.0 50.3 75.5





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070917.D

Acq: 03 Nov 2021 18:27

Instrument :

MSVOA_D

ClientSampleId :

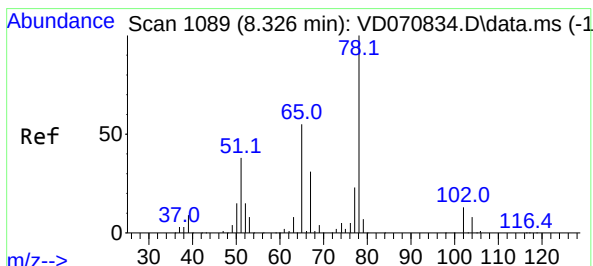
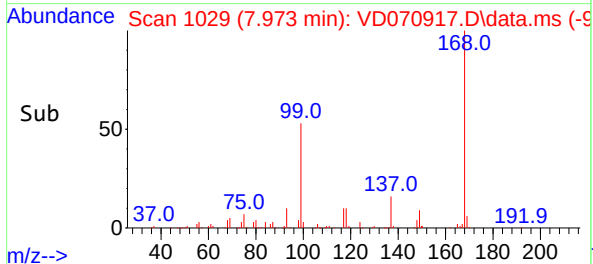
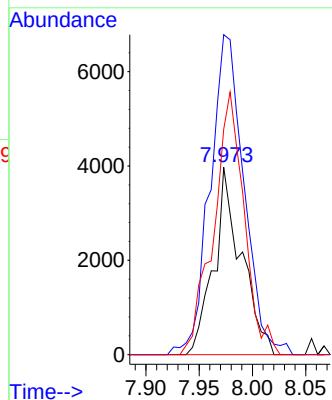
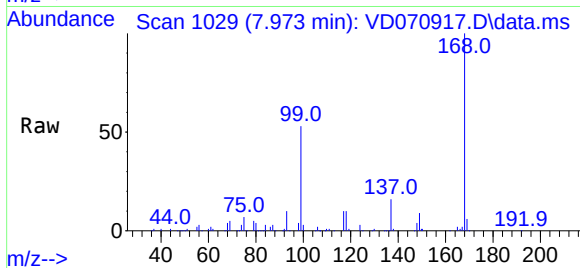
Tgt Ion: 56 Resp: 7147

Ion Ratio Lower Upper

56 100

69 167.0 25.9 38.9#

84 120.3 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 49.425 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070917.D

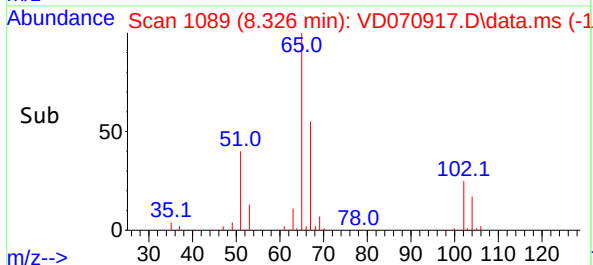
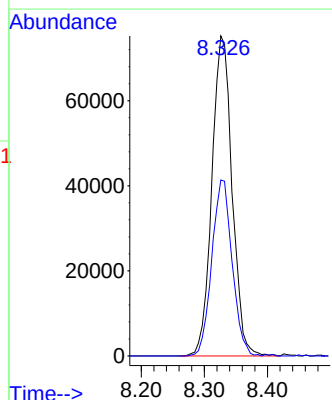
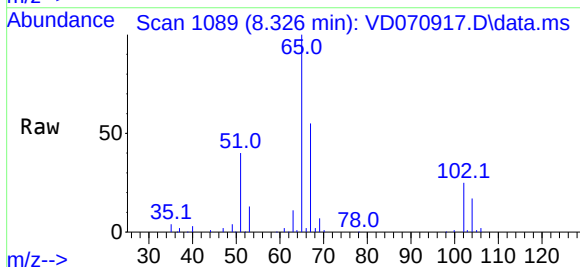
Acq: 03 Nov 2021 18:27

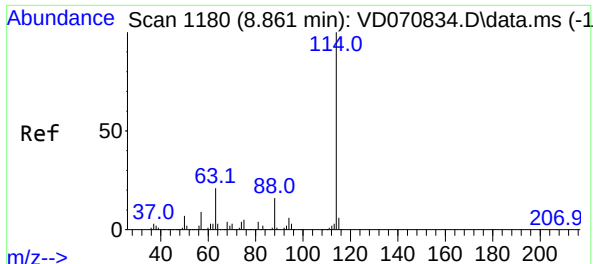
Tgt Ion: 65 Resp: 167300

Ion Ratio Lower Upper

65 100

67 55.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070917.D

Acq: 03 Nov 2021 18:27

Instrument :

MSVOA_D

ClientSampleId :

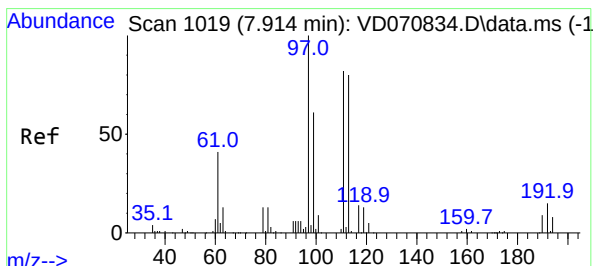
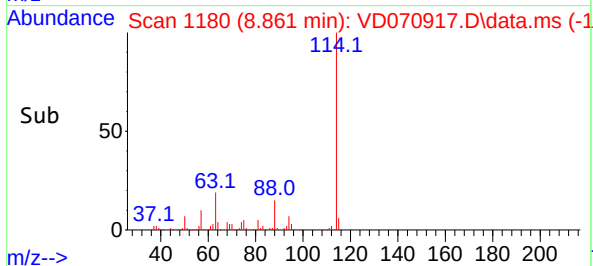
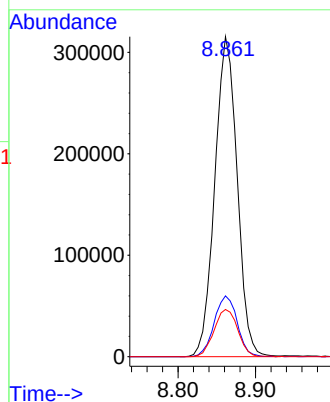
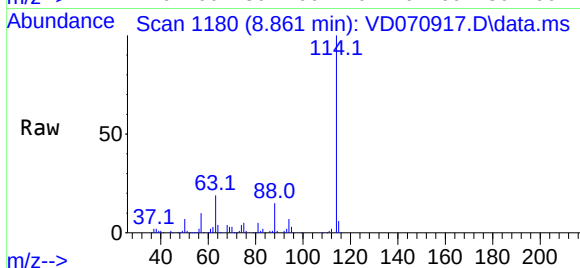
Tgt Ion:114 Resp: 632129

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.685 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070917.D

Acq: 03 Nov 2021 18:27

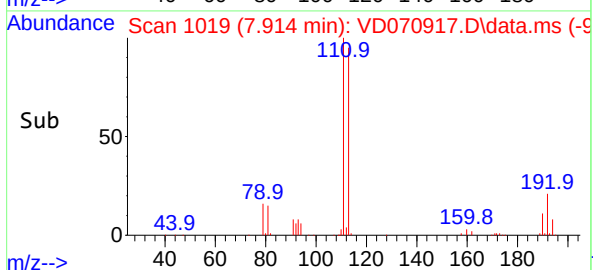
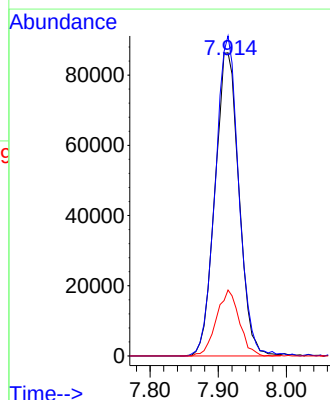
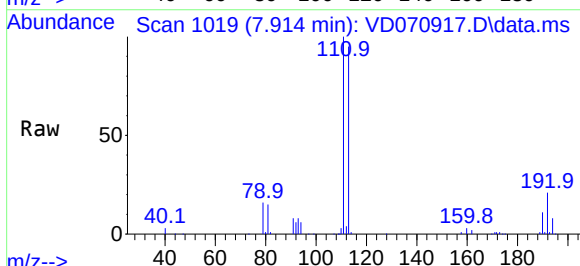
Tgt Ion:113 Resp: 211252

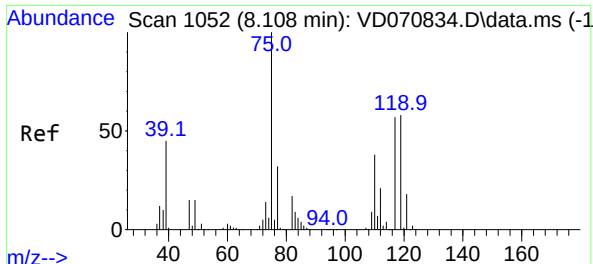
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

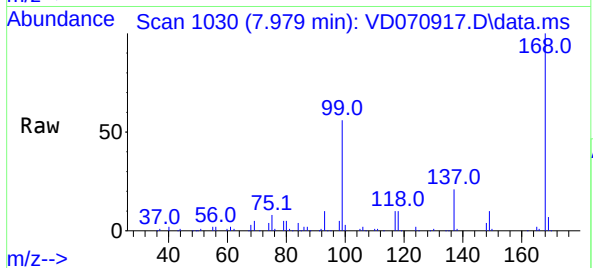
192 20.8 15.2 22.8



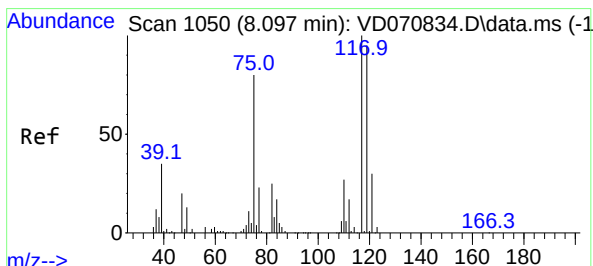
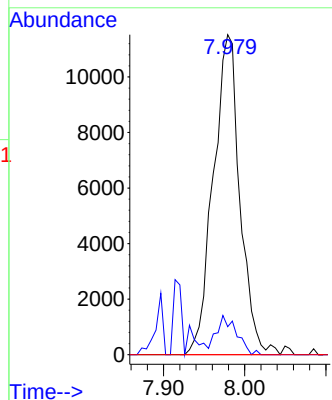
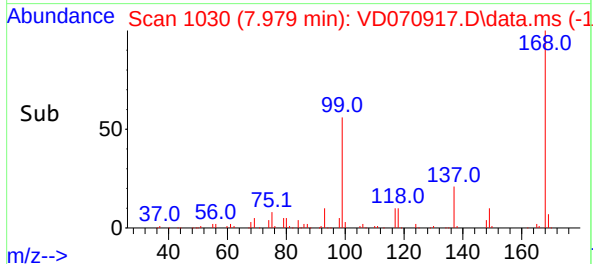


#36
1,1-Dichloropropene
Concen: 3.977 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

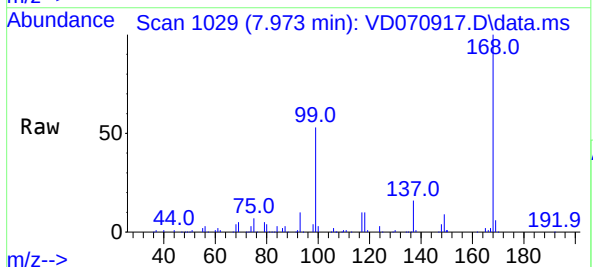
Instrument :
MSVOA_D
ClientSampleId :



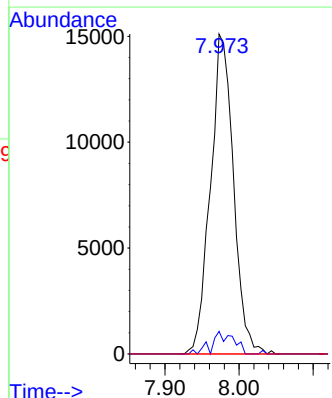
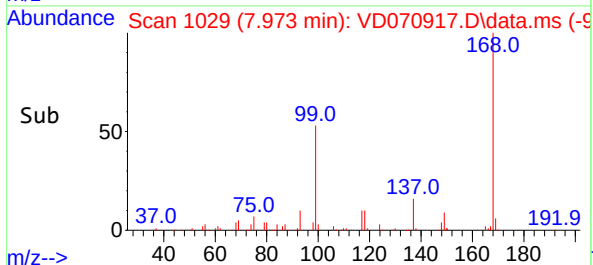
Tgt Ion: 75 Resp: 26301
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.4#
77 0.0 24.8 37.2#

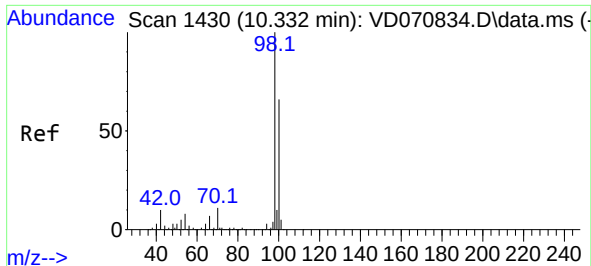


#38
Carbon Tetrachloride
Concen: 4.905 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27



Tgt Ion: 117 Resp: 32625
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 23.6 35.4#

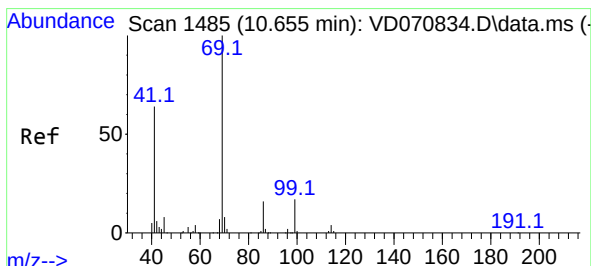
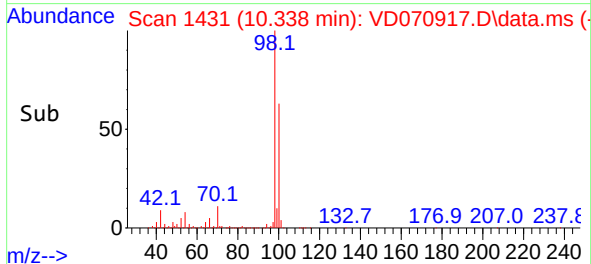
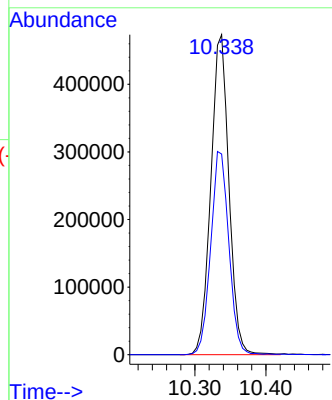
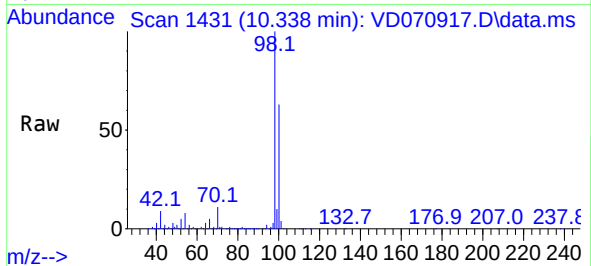




#50
Toluene-d8
Concen: 53.342 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

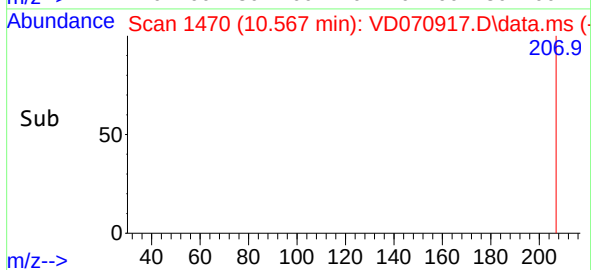
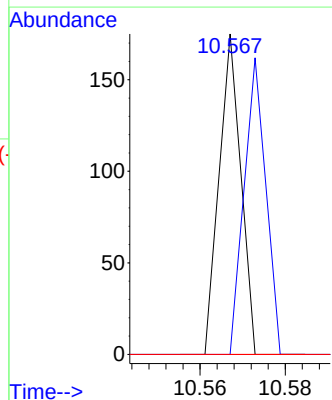
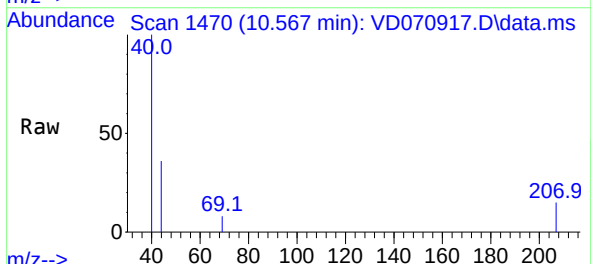
Instrument :
MSVOA_D
ClientSampleId :

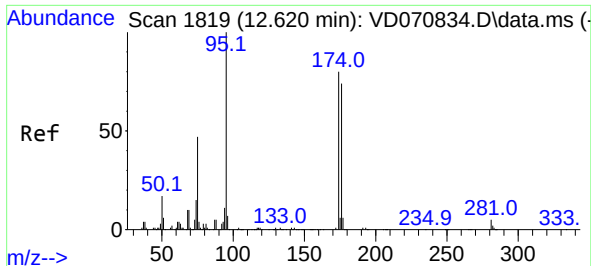
Tgt Ion: 98 Resp: 836429
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.855 ug/l
RT: 10.567 min Scan# 1470
Delta R.T. -0.088 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 91.9 50.2 75.2#
39 0.0 19.8 29.8#

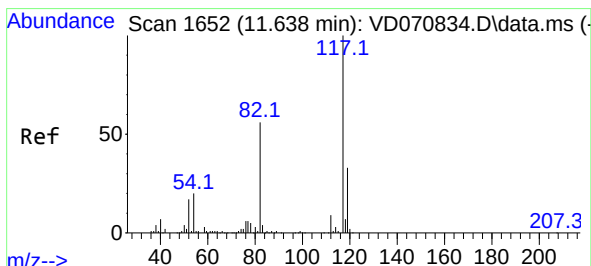
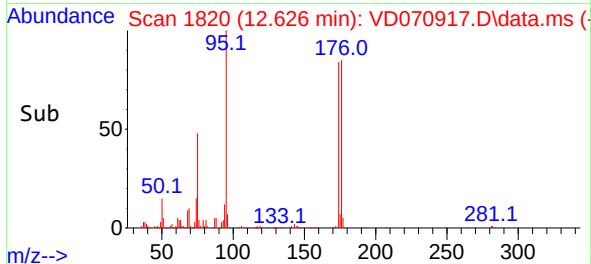
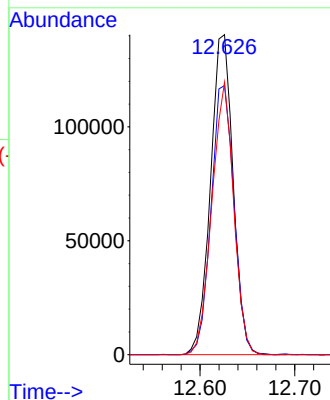
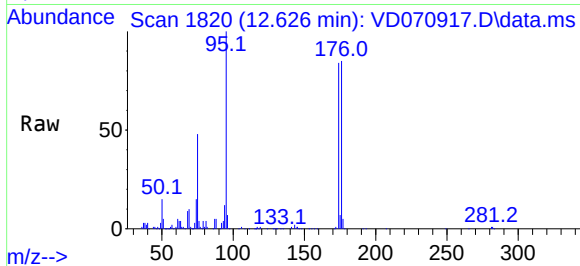




#62
4-Bromofluorobenzene
Concen: 44.927 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

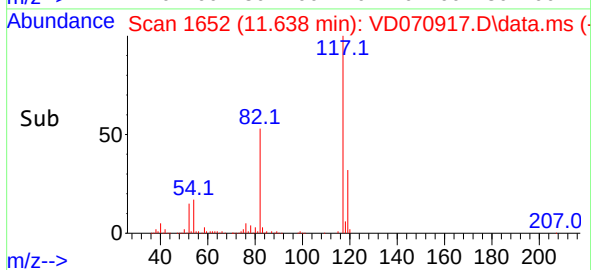
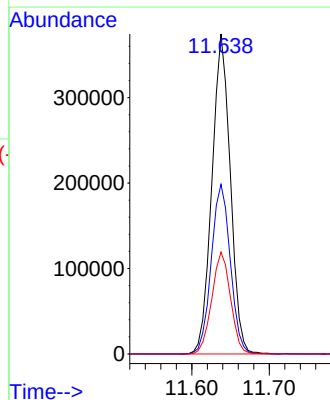
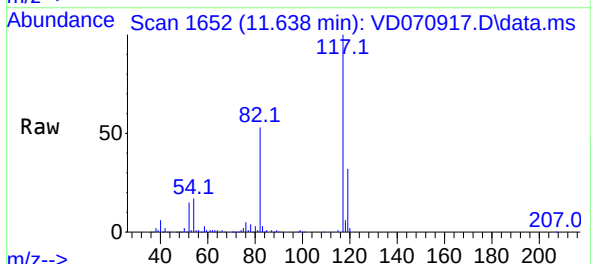
Instrument :
MSVOA_D
ClientSampleId :

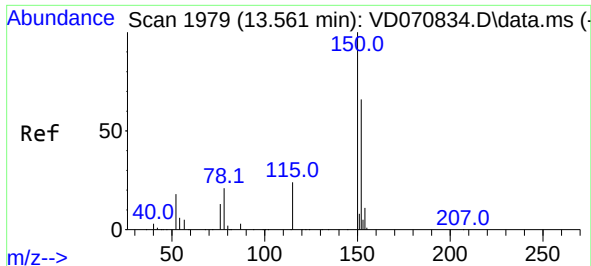
Tgt Ion: 95 Resp: 232441
Ion Ratio Lower Upper
95 100
174 85.2 0.0 159.4
176 82.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

Tgt Ion: 117 Resp: 617353
Ion Ratio Lower Upper
117 100
82 53.0 44.7 67.1
119 31.8 26.2 39.4

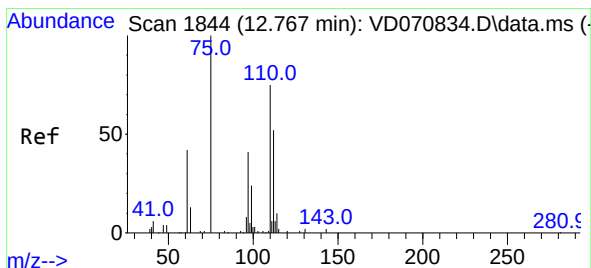
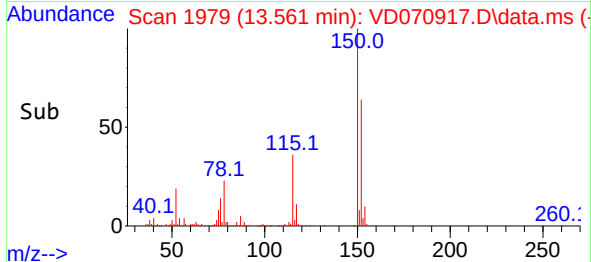
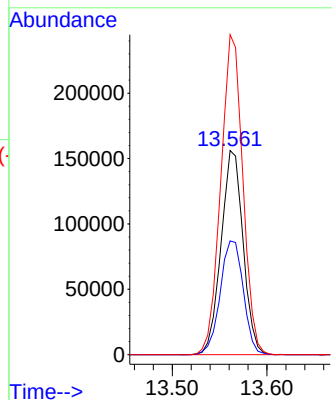
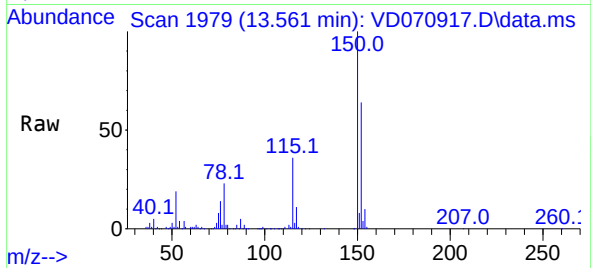




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070917.D
 Acq: 03 Nov 2021 18:27

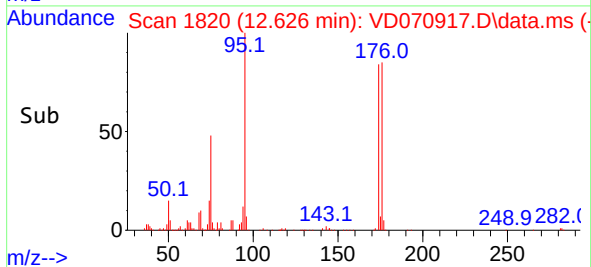
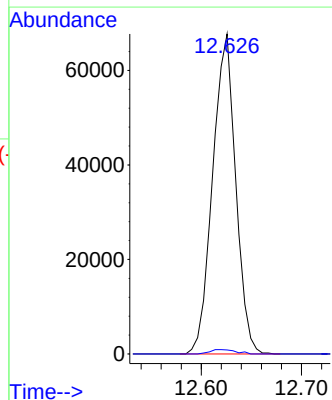
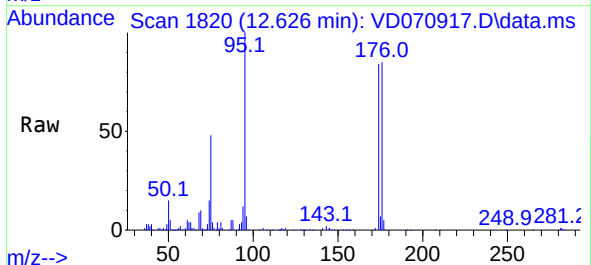
Instrument :
 MSVOA_D
 ClientSampleId :

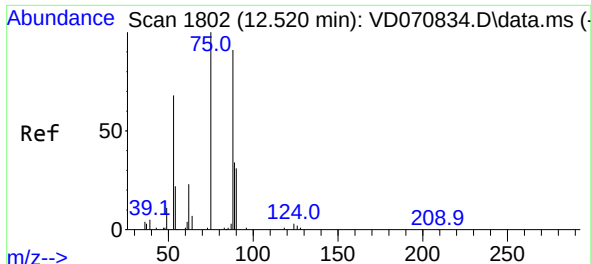
Tgt Ion:152 Resp: 252802
 Ion Ratio Lower Upper
 152 100
 115 58.6 29.8 89.3
 150 156.6 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 43.427 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD070917.D
 Acq: 03 Nov 2021 18:27

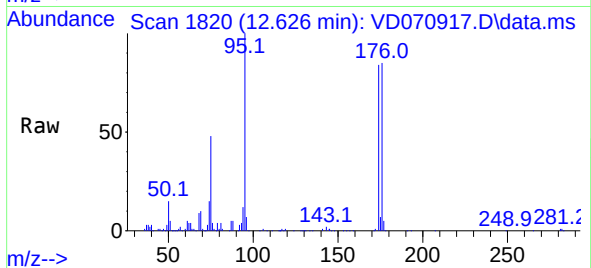
Tgt Ion: 75 Resp: 108074
 Ion Ratio Lower Upper
 75 100
 77 1.5 158.4 475.3#



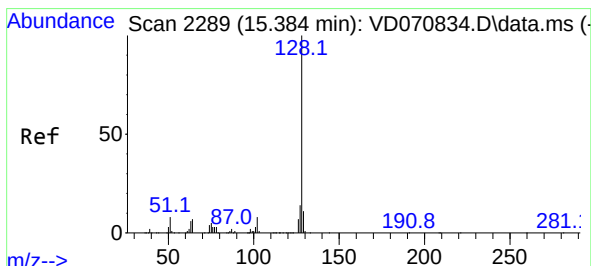
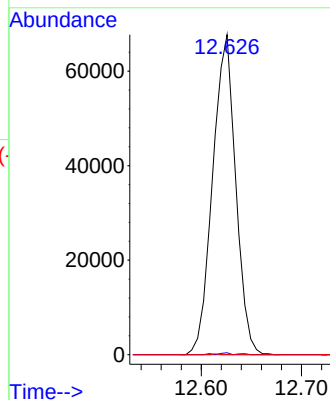
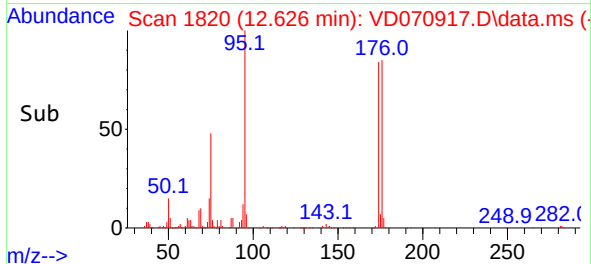


#81
trans-1,4-Dichloro-2-butene
Concen: 113.981 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27

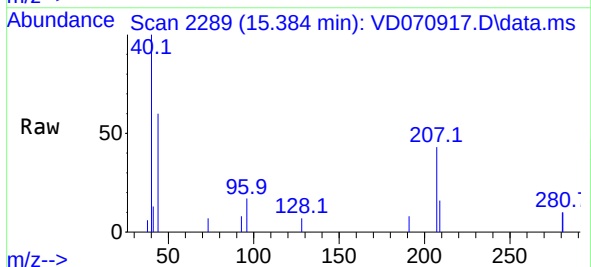
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 108074
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.138 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070917.D
Acq: 03 Nov 2021 18:27



Tgt Ion:128 Resp: 122
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

