

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071498.D
 Acq On : 28 Dec 2021 12:57
 Operator : VA/SY
 Sample : M5191-03RE
 Misc : 5.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(3.5-7.0)-12-21-2021RE

Quant Time: Dec 28 15:08:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

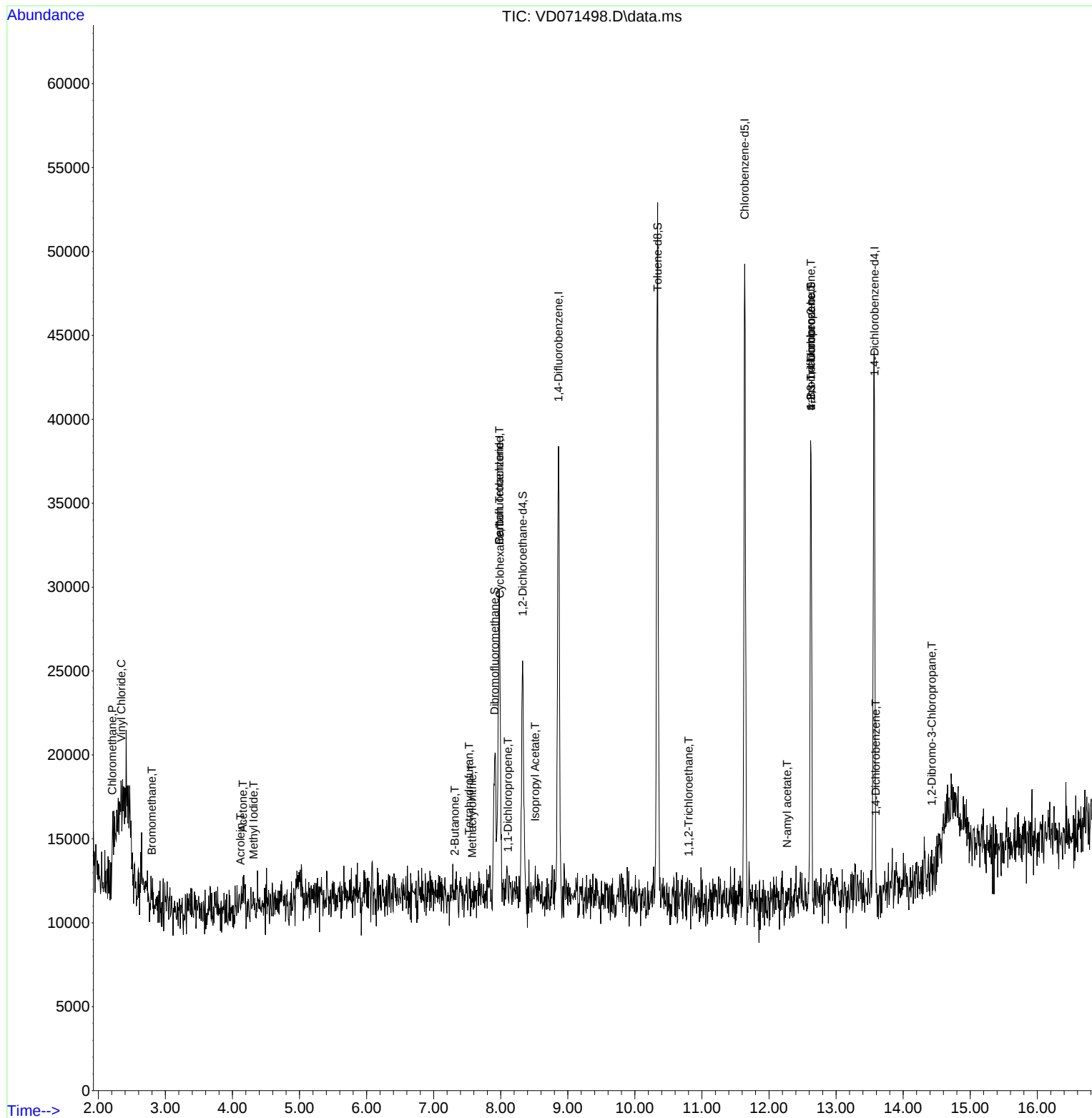
Internal Standards						
1) Pentafluorobenzene	7.979	168	12308	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	20698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17949	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	8532	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10497	64.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.440%			
35) Dibromofluoromethane	7.909	113	6097	43.830	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.660%			
50) Toluene-d8	10.338	98	25340	48.204	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.626	95	8211	43.956	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.920%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	649	3.930	ug/l	# 42
4) Vinyl Chloride	2.344	62	301	1.521	ug/l	# 42
5) Bromomethane	2.797	94	796	5.750	ug/l	# 3
10) Methyl Iodide	4.315	142	668	4.873	ug/l	# 56
13) Acrolein	4.120	56	60	7.599	ug/l	# 13
16) Acetone	4.156	43	1623	39.530	ug/l	# 86
20) Methylene Chloride	4.968	84	142	Below Cal	#	53
25) 2-Butanone	7.314	43	66	1.346	ug/l	# 45
29) Tetrahydrofuran	7.526	42	133	4.517	ug/l	# 34
31) Cyclohexane	7.985	56	353	1.271	ug/l	# 34
36) 1,1-Dichloropropene	8.109	75	242	1.089	ug/l	# 41
38) Carbon Tetrachloride	7.979	117	1569	7.156	ug/l	# 12
41) Methacrylonitrile	7.573	41	190	3.118	ug/l	# 26
43) Isopropyl Acetate	8.514	43	273	1.341	ug/l	# 47
55) 1,1,2-Trichloroethane	10.802	97	191	1.757	ug/l	# 16
74) N-amyl acetate	12.267	43	269	1.524	ug/l	# 40
76) 1,2,3-Trichloropropane	12.626	75	4588	45.257	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	4588	127.876	ug/l	# 18
88) 1,4-Dichlorobenzene	13.591	146	349	1.207	ug/l	# 25
92) 1,2-Dibromo-3-Chloropr...	14.426	75	54	2.618	ug/l	# 4

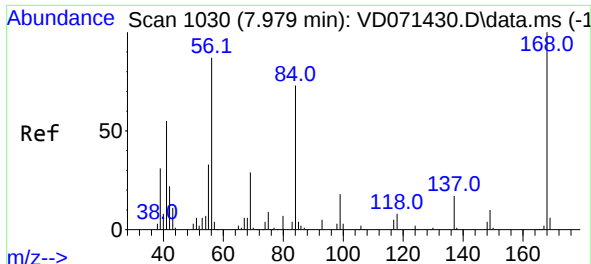
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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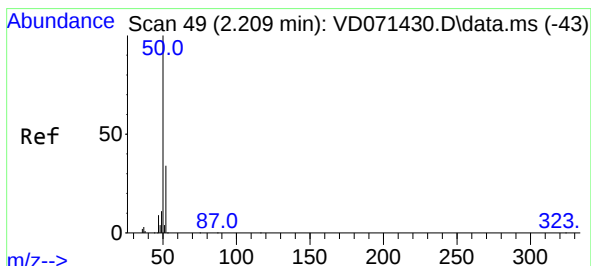
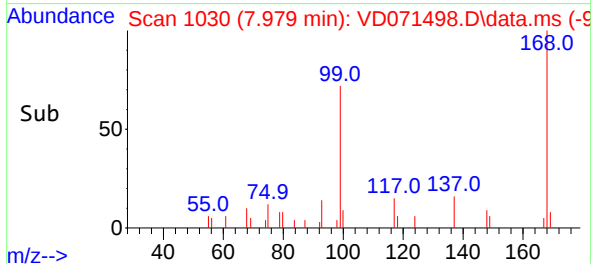
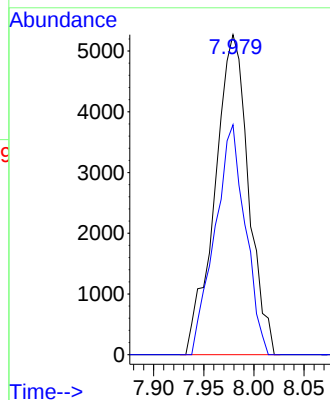
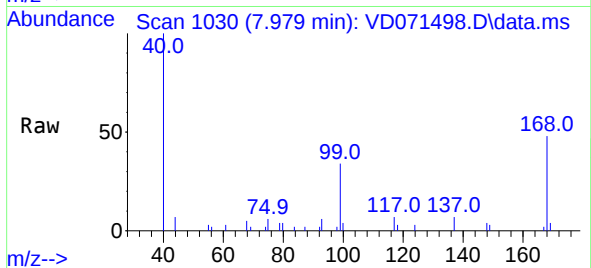




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

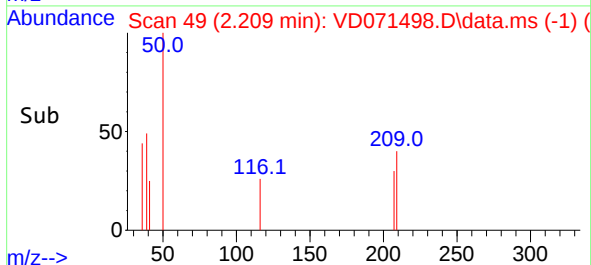
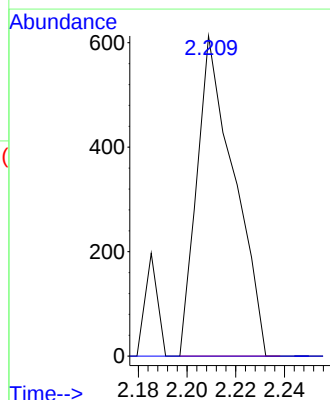
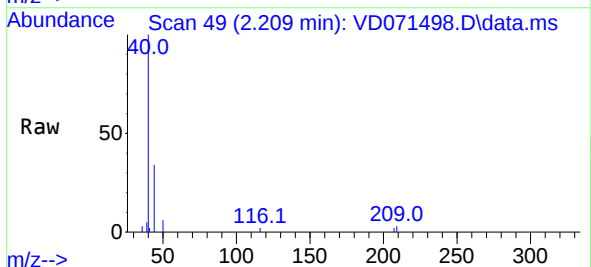
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021RE

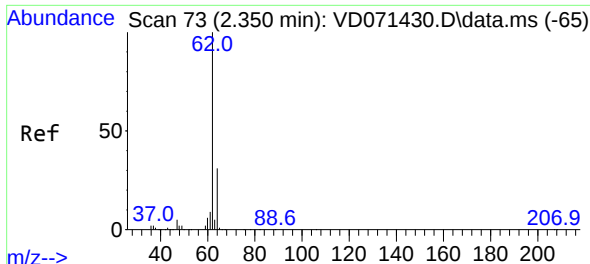
Tgt Ion:168 Resp: 12308
Ion Ratio Lower Upper
168 100
99 71.8 46.6 69.8#



#3
Chloromethane
Concen: 3.930 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 50 Resp: 649
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

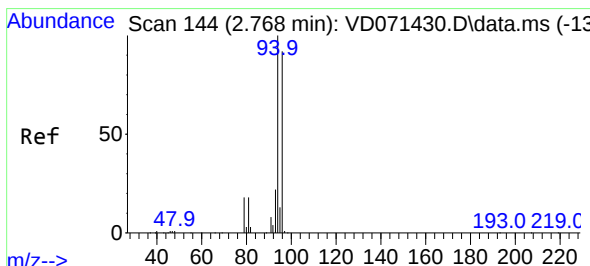
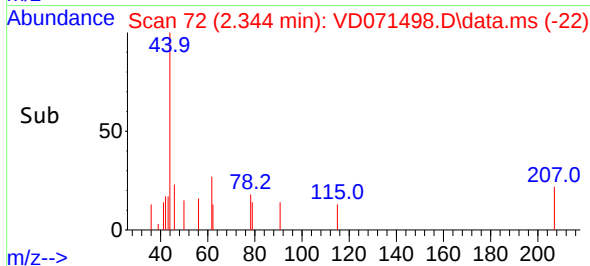
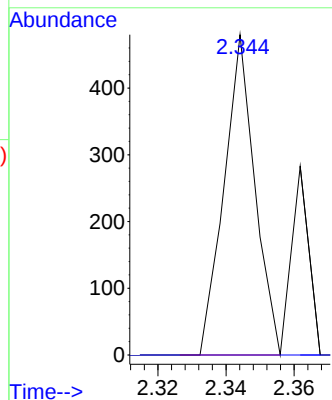
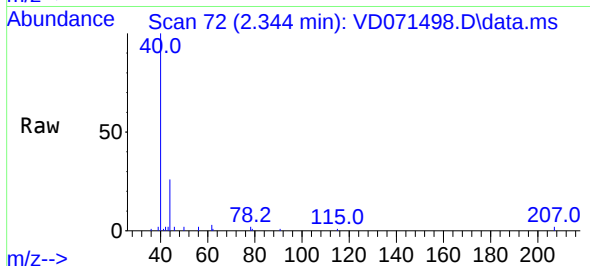




#4
 Vinyl Chloride
 Concen: 1.521 ug/l
 RT: 2.344 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VD071498.D
 Acq: 28 Dec 2021 12:57

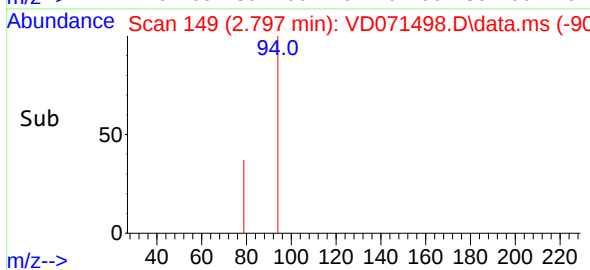
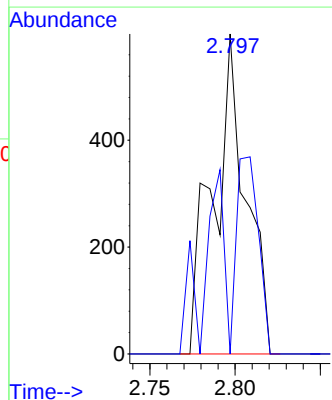
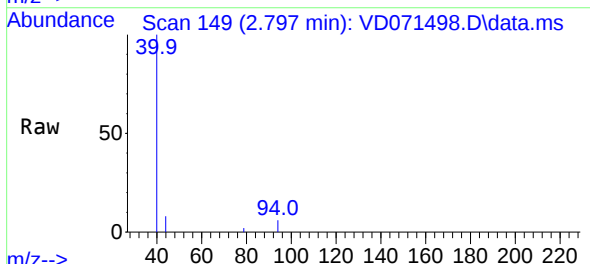
Instrument :
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 ClientSampleId :
 TP-(3.5-7.0)-12-21-2021RE

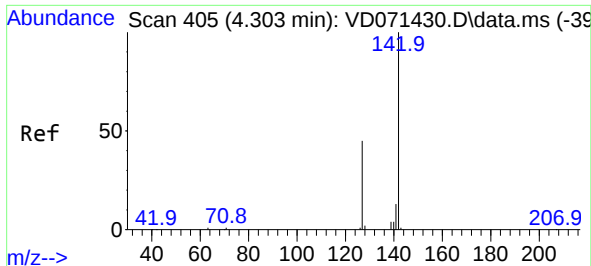
Tgt Ion: 62 Resp: 301
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.0 39.0#



#5
 Bromomethane
 Concen: 5.750 ug/l
 RT: 2.797 min Scan# 149
 Delta R.T. 0.047 min
 Lab File: VD071498.D
 Acq: 28 Dec 2021 12:57

Tgt Ion: 94 Resp: 796
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.8 112.2#

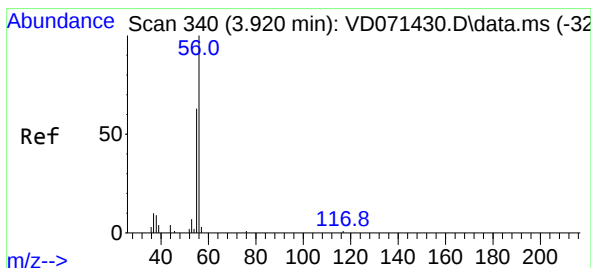
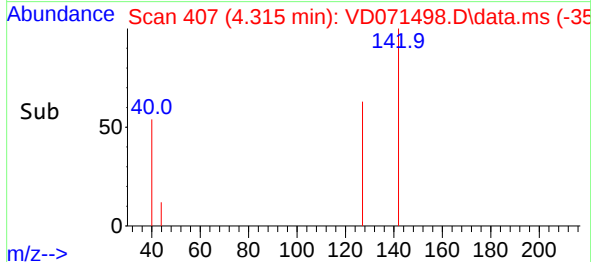
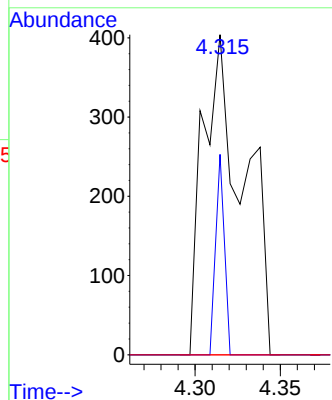
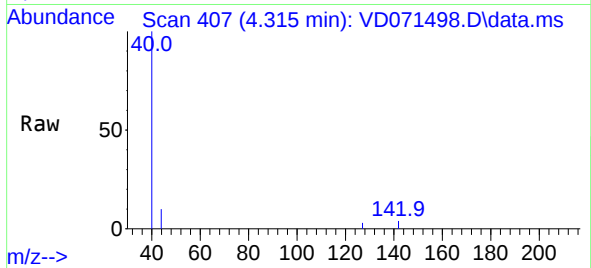




#10
Methyl Iodide
Concen: 4.873 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

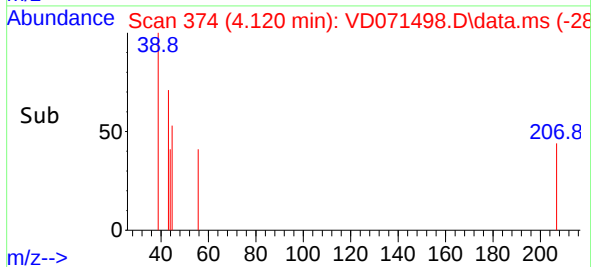
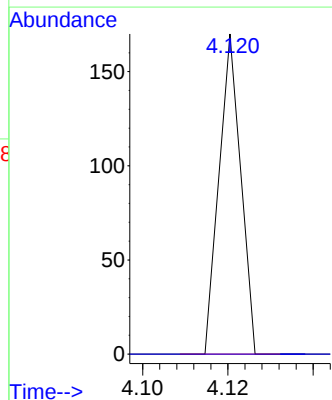
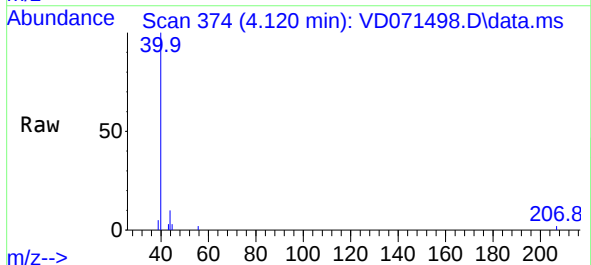
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021RE

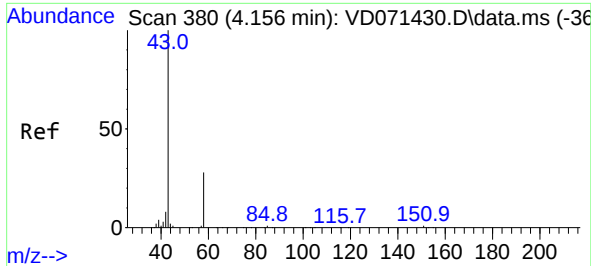
Tgt Ion:142 Resp: 668
Ion Ratio Lower Upper
142 100
127 13.3 35.0 52.4#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 7.599 ug/l
RT: 4.120 min Scan# 374
Delta R.T. 0.206 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#





#16

Acetone

Concen: 39.530 ug/l

RT: 4.156 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

Instrument :

MSVOA_D

ClientSampleId :

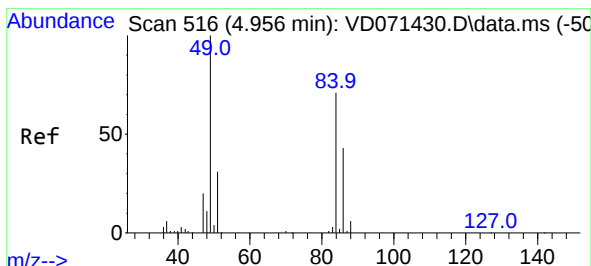
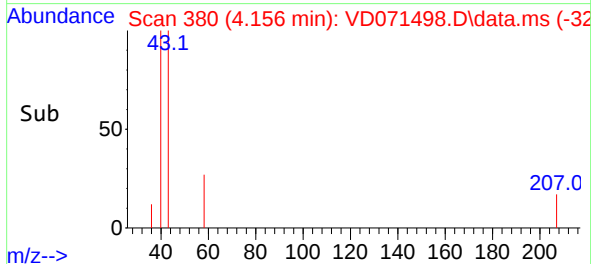
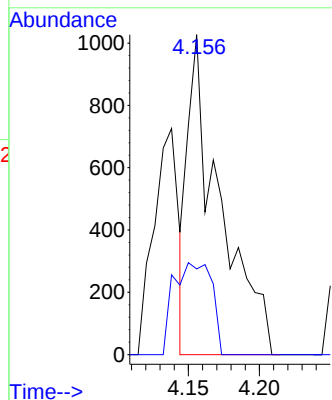
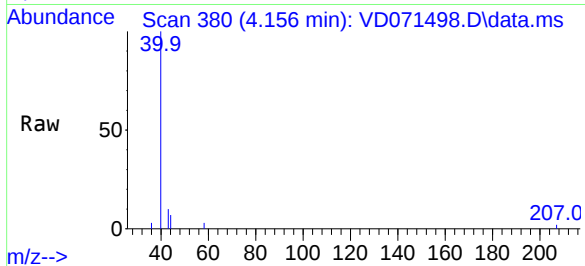
TP-(3.5-7.0)-12-21-2021RE

Tgt Ion: 43 Resp: 1623

Ion Ratio Lower Upper

43 100

58 26.8 27.8 41.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

Tgt Ion: 84 Resp: 142

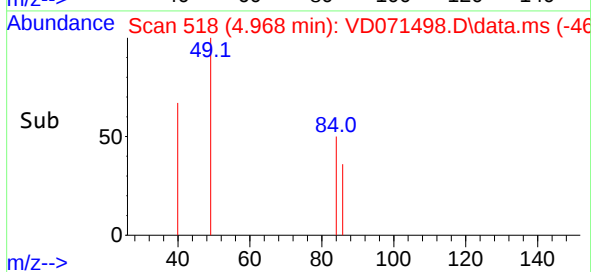
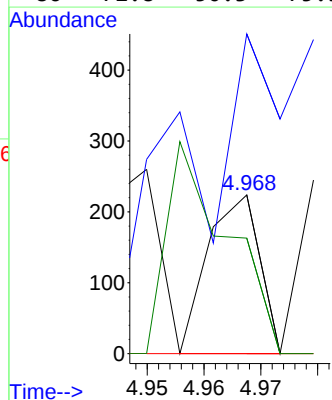
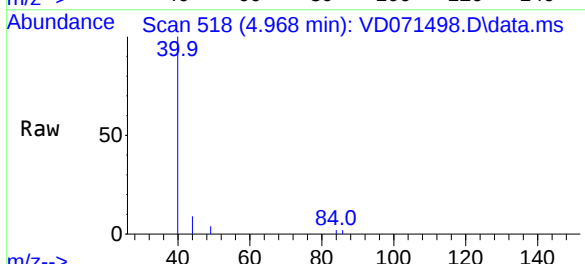
Ion Ratio Lower Upper

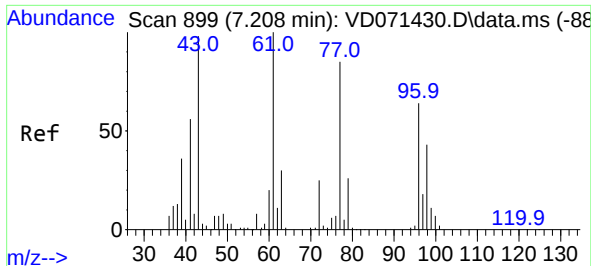
84 100

49 53.6 95.8 143.6#

51 0.0 30.9 46.3#

86 72.8 50.3 75.5





#25

2-Butanone

Concen: 1.346 ug/l

RT: 7.314 min Scan# 917

Delta R.T. 0.106 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

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MSVOA_D

ClientSampleId :

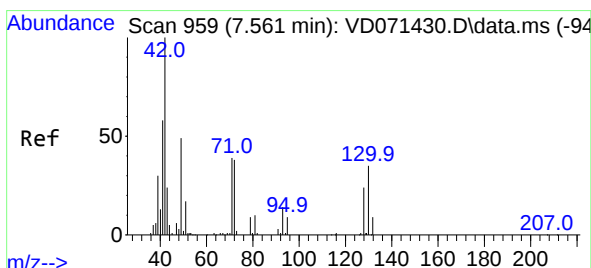
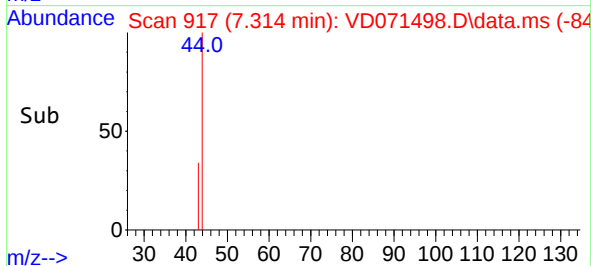
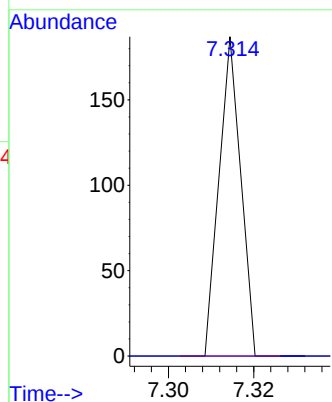
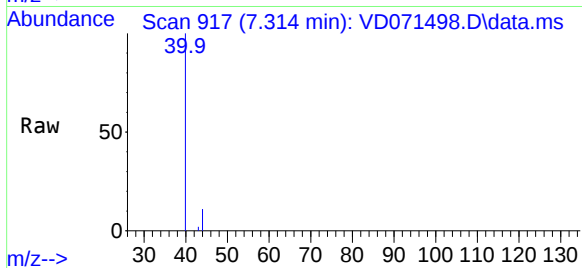
TP-(3.5-7.0)-12-21-2021RE

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 4.517 ug/l

RT: 7.526 min Scan# 953

Delta R.T. -0.029 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

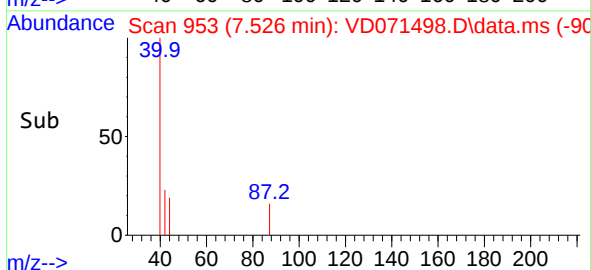
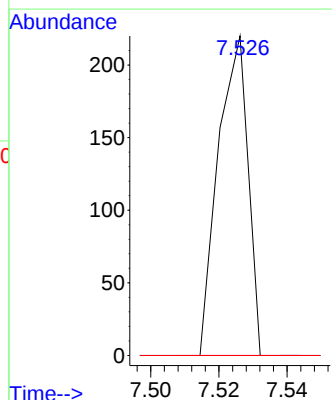
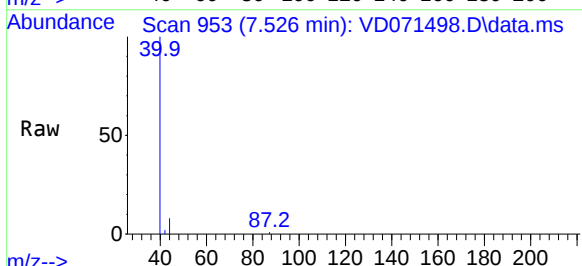
Tgt Ion: 42 Resp: 133

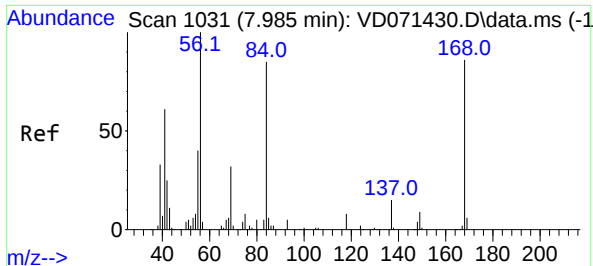
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VD071498.D

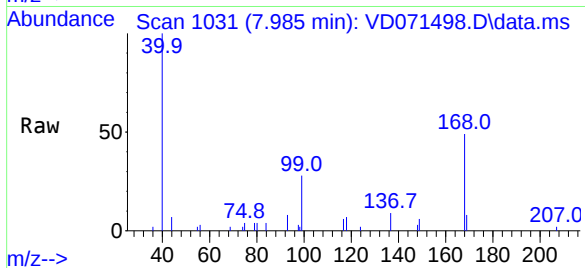
Acq: 28 Dec 2021 12:57

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TP-(3.5-7.0)-12-21-2021RE



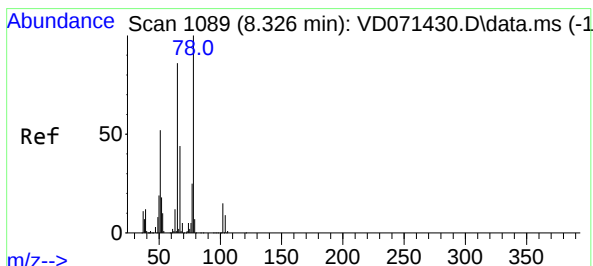
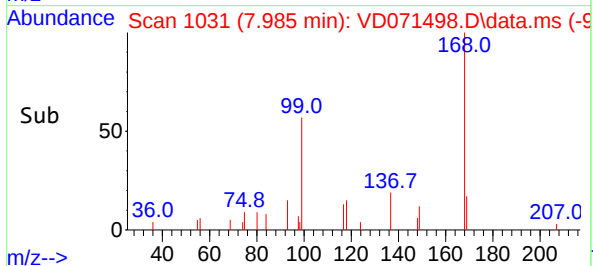
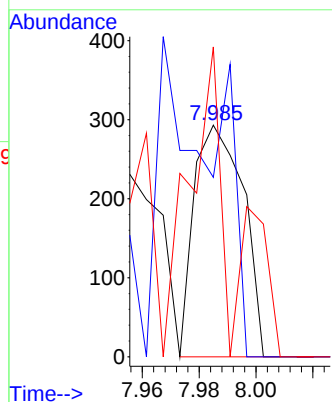
Tgt Ion: 56 Resp: 353

Ion Ratio Lower Upper

56 100

69 77.5 25.9 38.9#

84 133.8 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 64.217 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071498.D

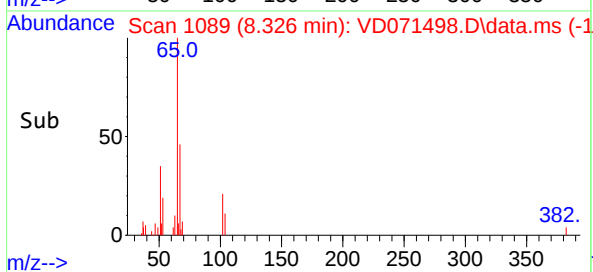
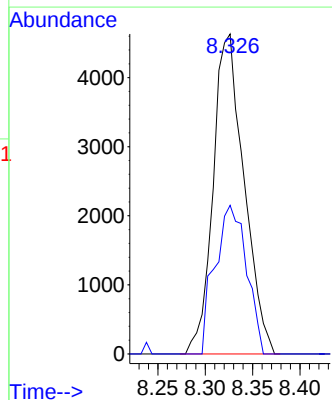
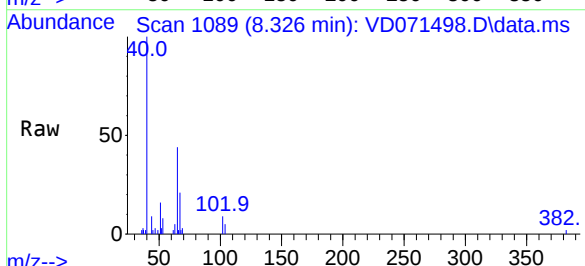
Acq: 28 Dec 2021 12:57

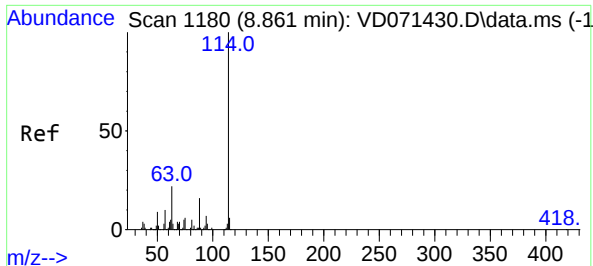
Tgt Ion: 65 Resp: 10497

Ion Ratio Lower Upper

65 100

67 47.6 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: VD071498.D

Acq: 28 Dec 2021 12:57

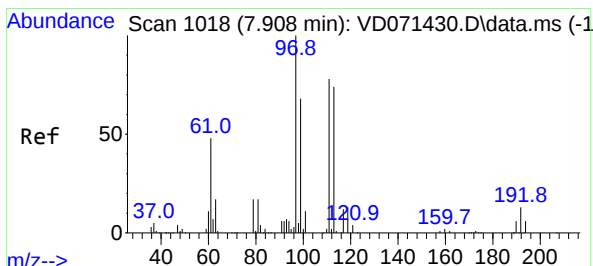
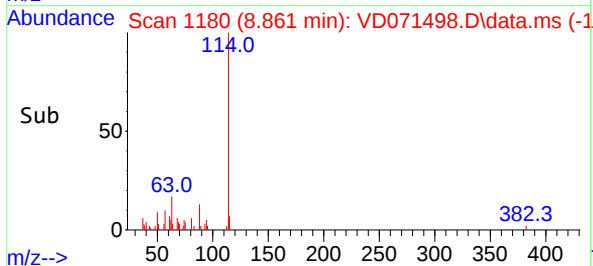
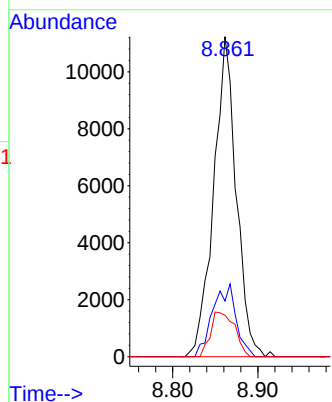
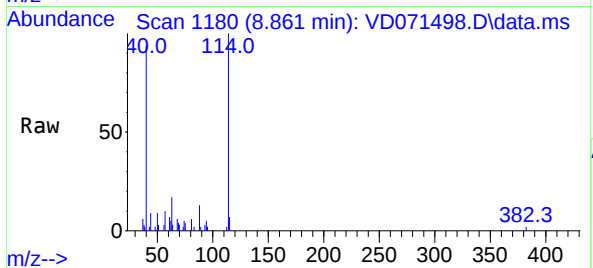
Instrument :

MSVOA_D

ClientSampleId :

TP-(3.5-7.0)-12-21-2021RE

Tgt Ion:114	Resp:	20698
Ion Ratio	Lower	Upper
114	100	
63	17.4	0.0 41.8
88	12.9	0.0 32.8



#35

Dibromofluoromethane

Concen: 43.830 ug/l

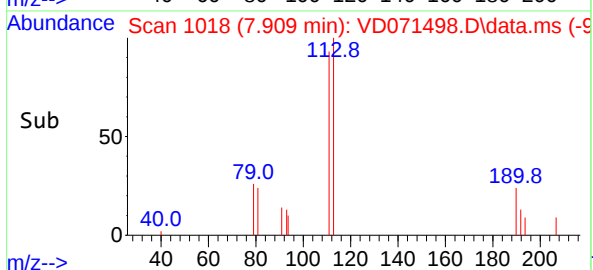
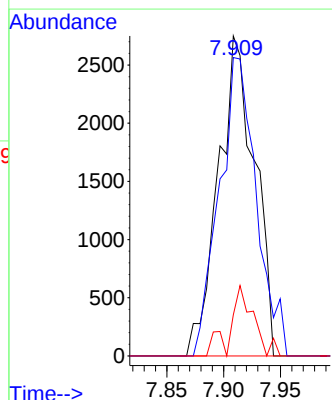
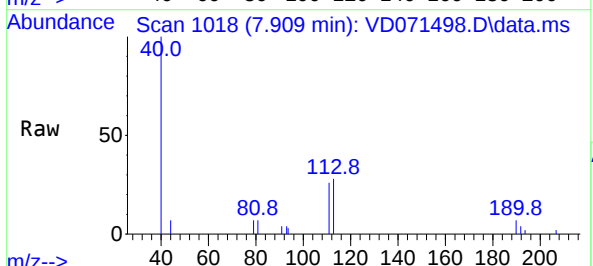
RT: 7.909 min Scan# 1018

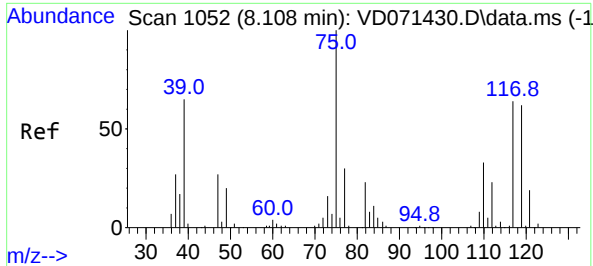
Delta R.T. 0.001 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

Tgt Ion:113	Resp:	6097
Ion Ratio	Lower	Upper
113	100	
111	95.4	82.0 123.0
192	14.4	15.2 22.8





#36

1,1-Dichloropropene

Concen: 1.089 ug/l

RT: 8.109 min Scan# 1052

Delta R.T. 0.001 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

Instrument :

MSVOA_D

ClientSampleId :

TP-(3.5-7.0)-12-21-2021RE

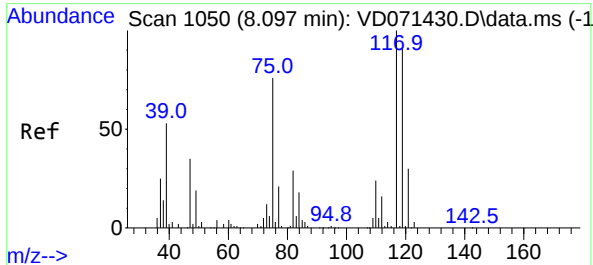
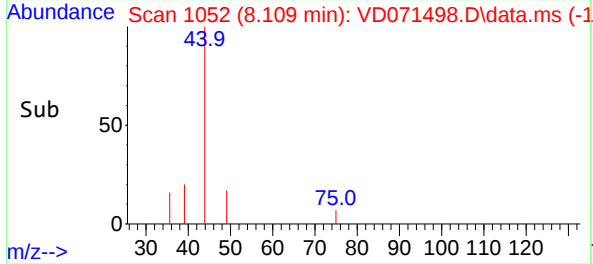
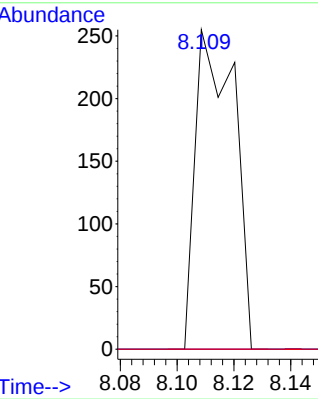
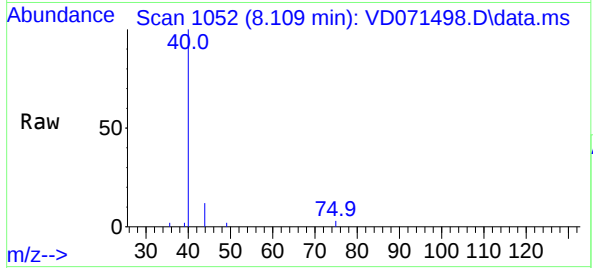
Tgt Ion: 75 Resp: 242

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.156 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071498.D

Acq: 28 Dec 2021 12:57

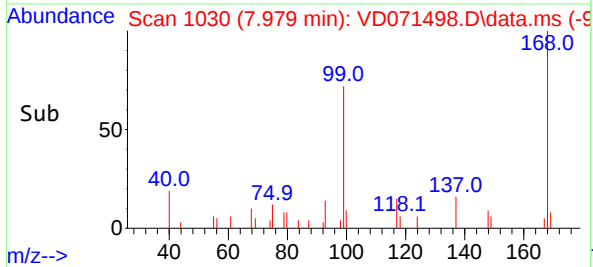
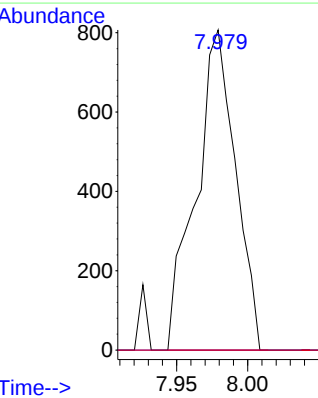
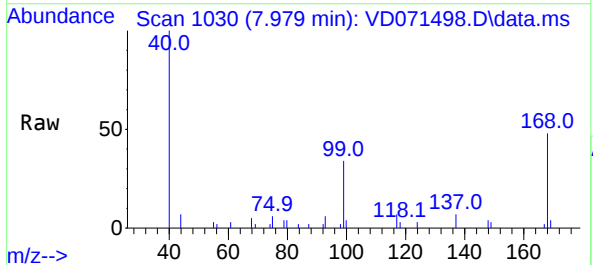
Tgt Ion: 117 Resp: 1569

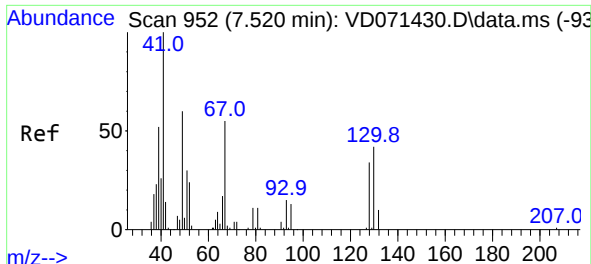
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 23.6 35.4#

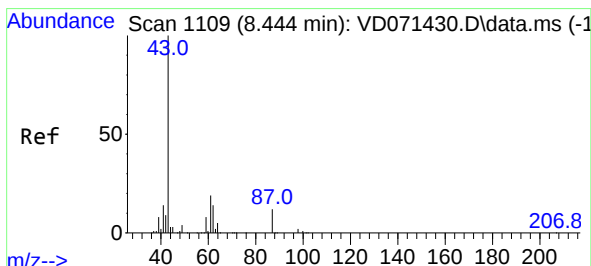
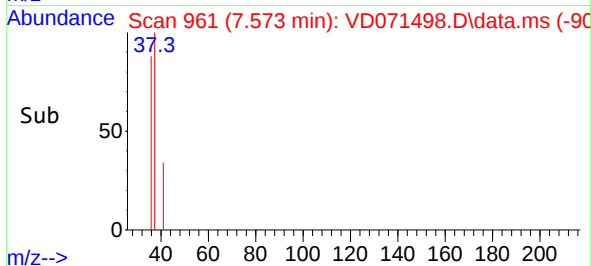
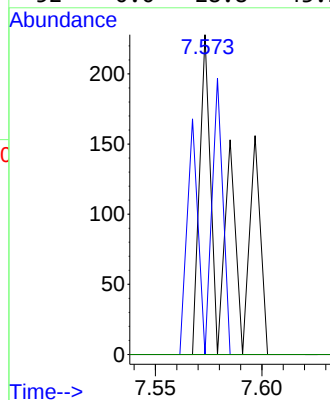
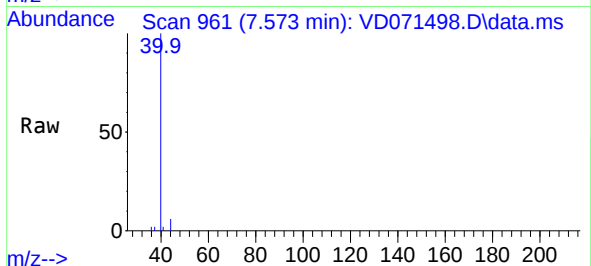




#41
Methacrylonitrile
Concen: 3.118 ug/l
RT: 7.573 min Scan# 90
Delta R.T. 0.047 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

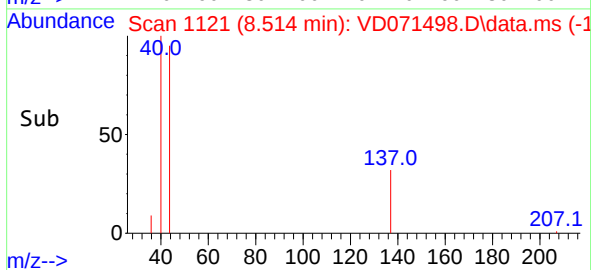
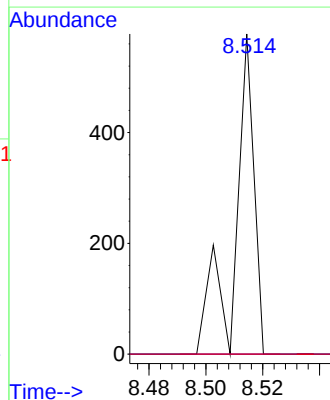
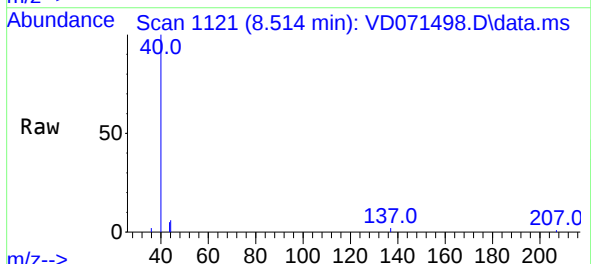
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021RE

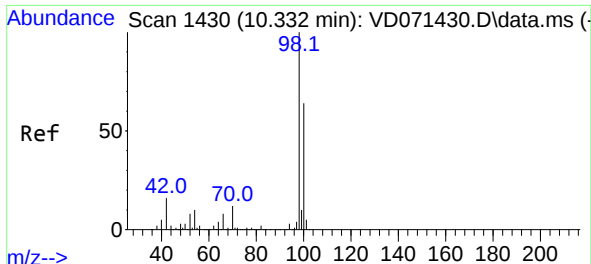
Tgt Ion:	41	Resp:	190
Ion	Ratio	Lower	Upper
41	100		
39	31.1	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#43
Isopropyl Acetate
Concen: 1.341 ug/l
RT: 8.514 min Scan# 1121
Delta R.T. 0.064 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion:	43	Resp:	273
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#

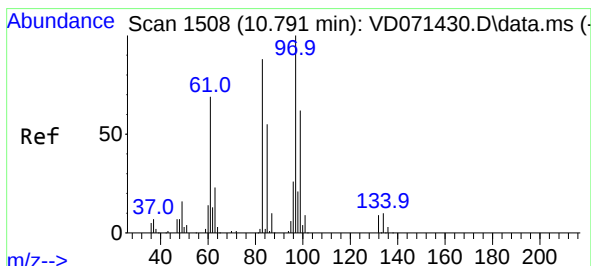
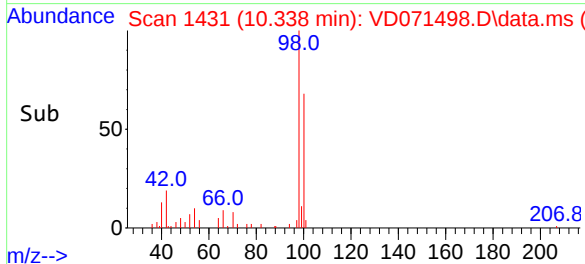
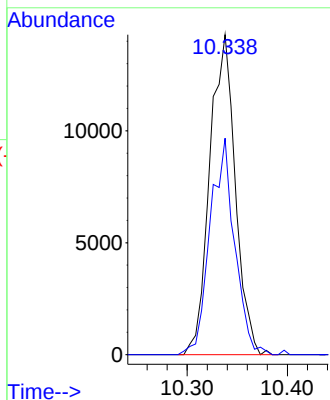
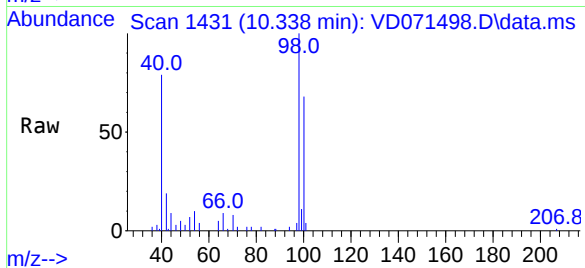




#50
Toluene-d8
Concen: 48.204 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

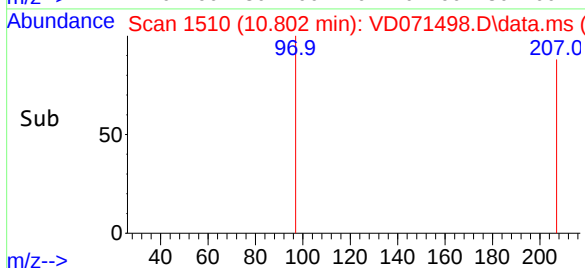
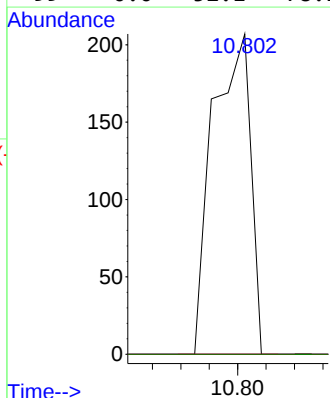
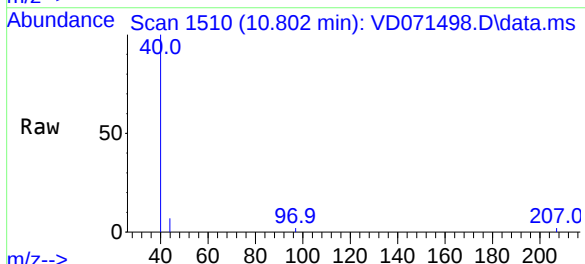
Instrument :
MSVOA_D
ClientSampleId :
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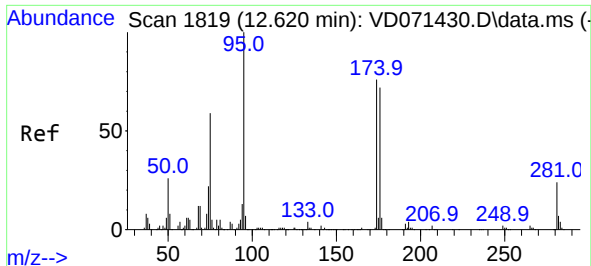
Tgt Ion: 98 Resp: 25340
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.757 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. 0.011 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 97 Resp: 191
Ion Ratio Lower Upper
97 100
83 0.0 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#

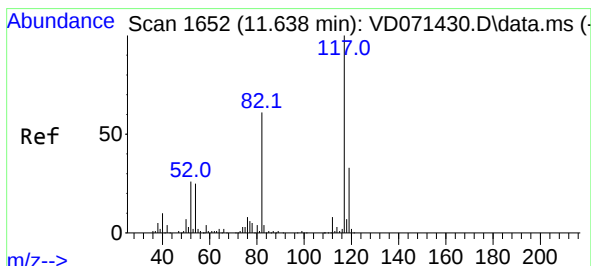
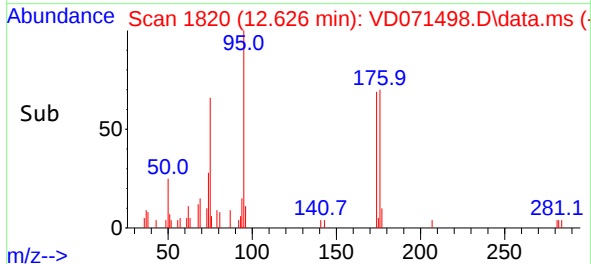
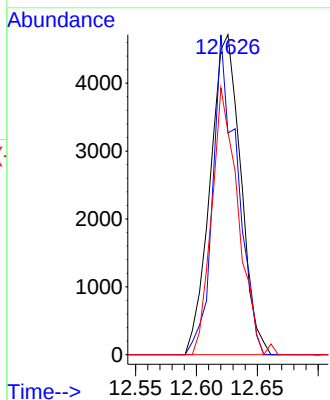
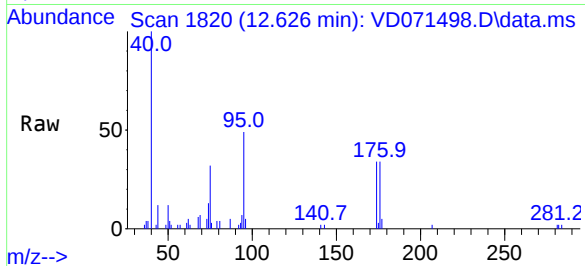




#62
4-Bromofluorobenzene
Concen: 43.956 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

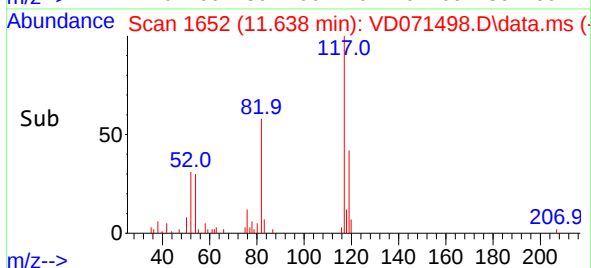
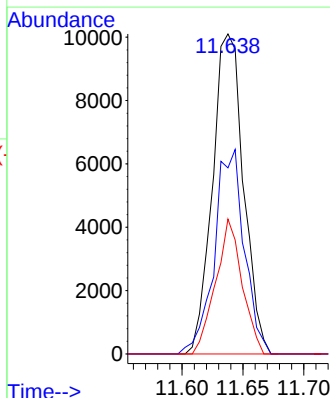
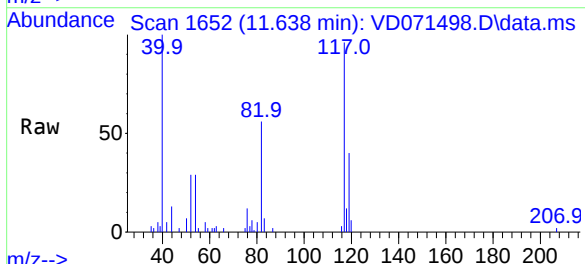
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021RE

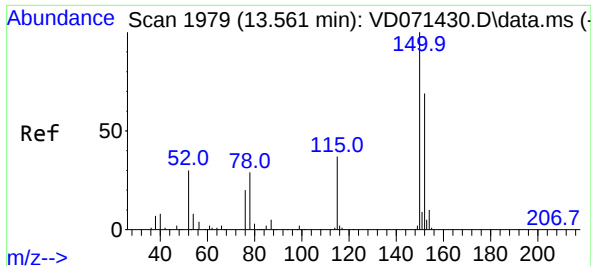
Tgt Ion: 95	Resp:	8211
Ion Ratio	Lower	Upper
95	100	
174	80.4	0.0 159.4
176	72.4	0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 117	Resp:	17949
Ion Ratio	Lower	Upper
117	100	
82	58.2	44.7 67.1
119	42.1	26.2 39.4

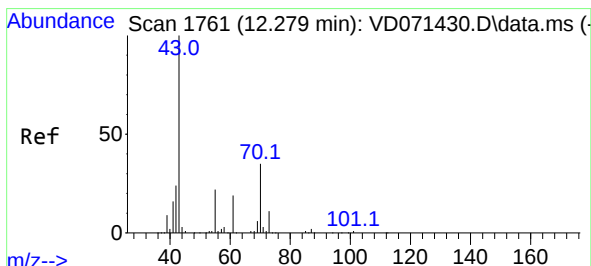
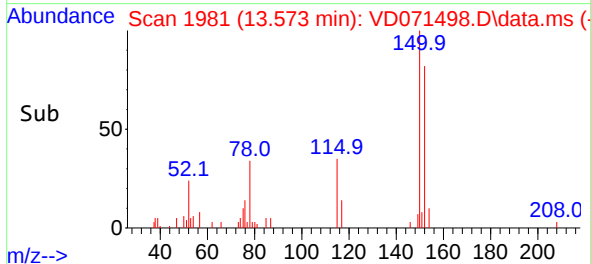
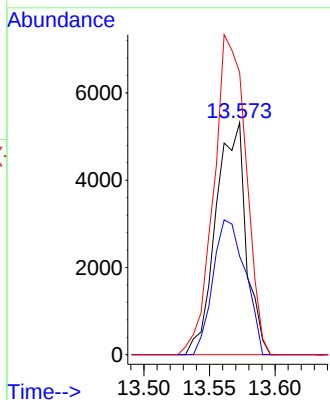
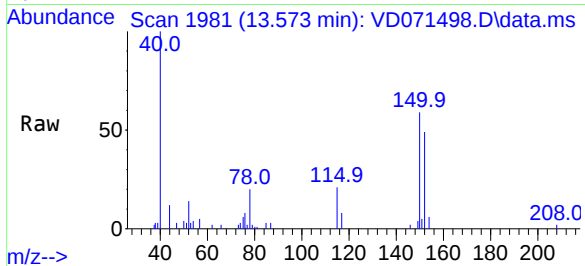




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.012 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

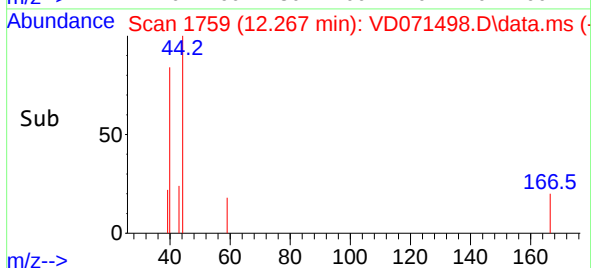
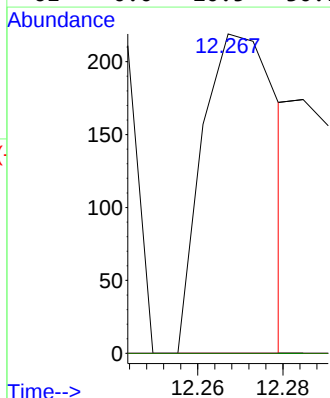
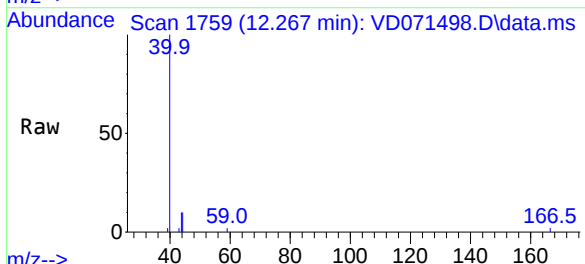
Instrument :
MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021RE

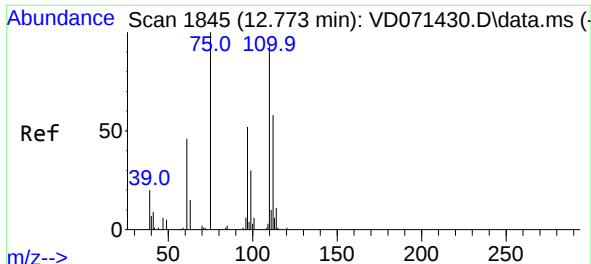
Tgt Ion:152 Resp: 8532
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 147.2 0.0 349.2



#74
N-ethyl acetate
Concen: 1.524 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

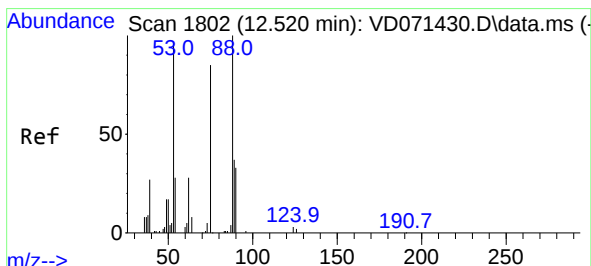
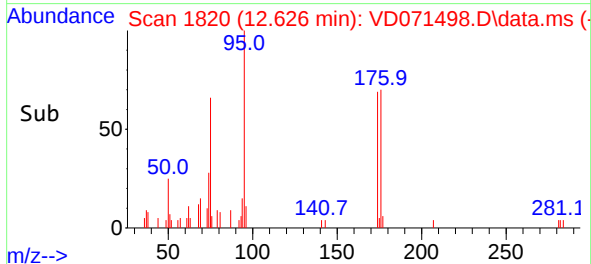
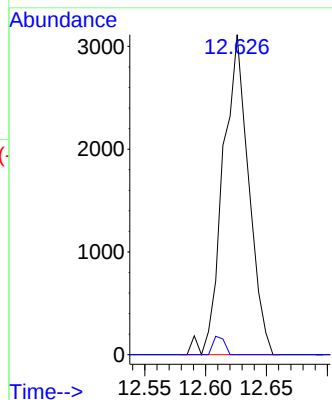
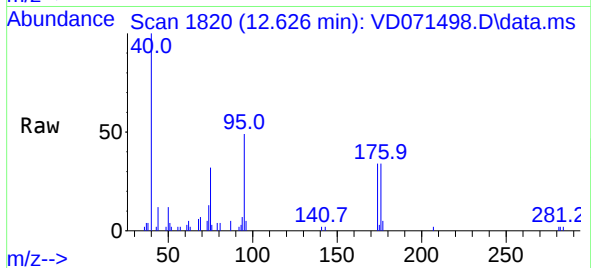




#76
1,2,3-Trichloropropane
Concen: 45.257 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

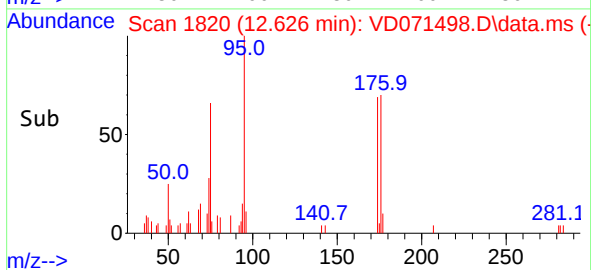
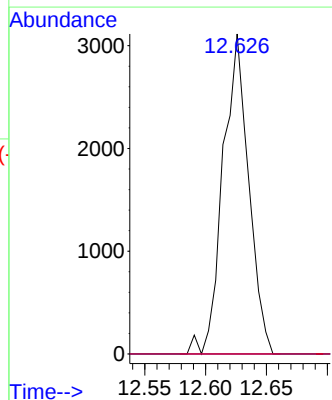
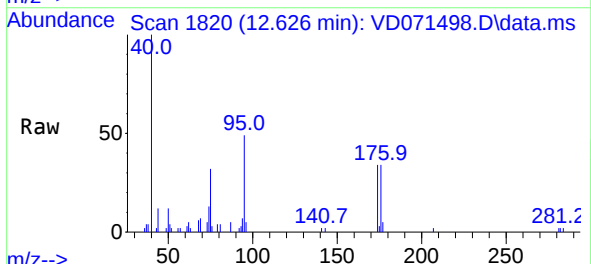
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MSVOA_D
ClientSampleId :
TP-(3.5-7.0)-12-21-2021RE

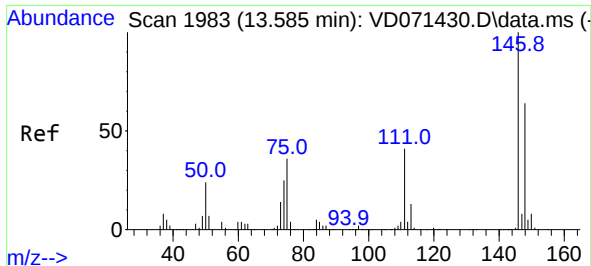
Tgt Ion: 75 Resp: 4588
Ion Ratio Lower Upper
75 100
77 2.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.876 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 75 Resp: 4588
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

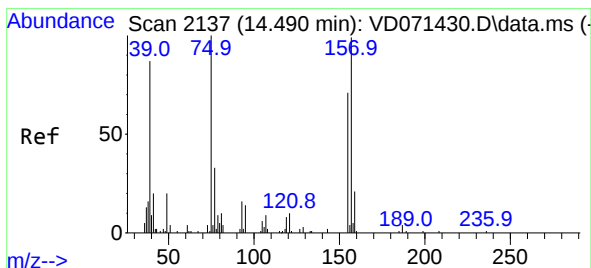
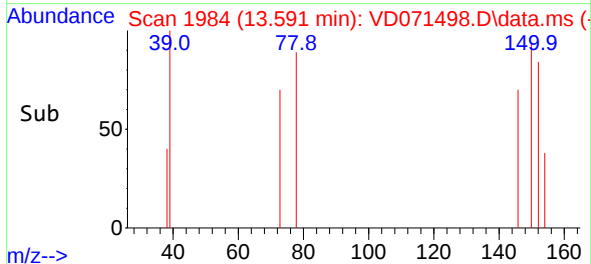
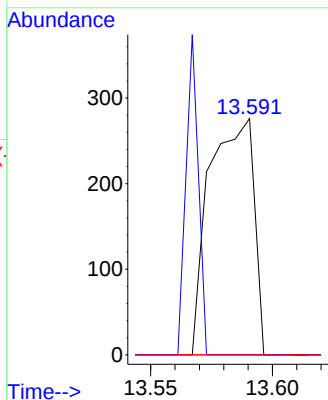
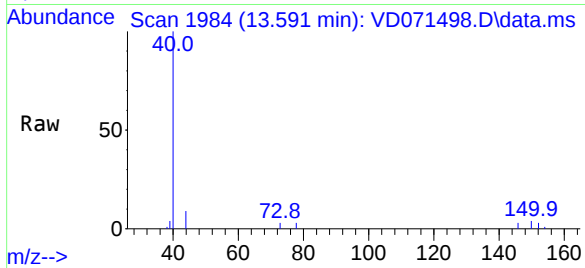




#88
1,4-Dichlorobenzene
Concen: 1.207 ug/l
RT: 13.591 min Scan# 1984
Delta R.T. 0.006 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Instrument : MSVOA_D
ClientSampleId : TP-(3.5-7.0)-12-21-2021RE

Tgt Ion:146 Resp: 349
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.8#
148 0.0 31.5 94.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.618 ug/l
RT: 14.426 min Scan# 2126
Delta R.T. -0.064 min
Lab File: VD071498.D
Acq: 28 Dec 2021 12:57

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

