

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070994.D
 Acq On : 11 Nov 2021 16:27
 Operator : VA/SY
 Sample : M4582-05
 Misc : 4.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:02:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

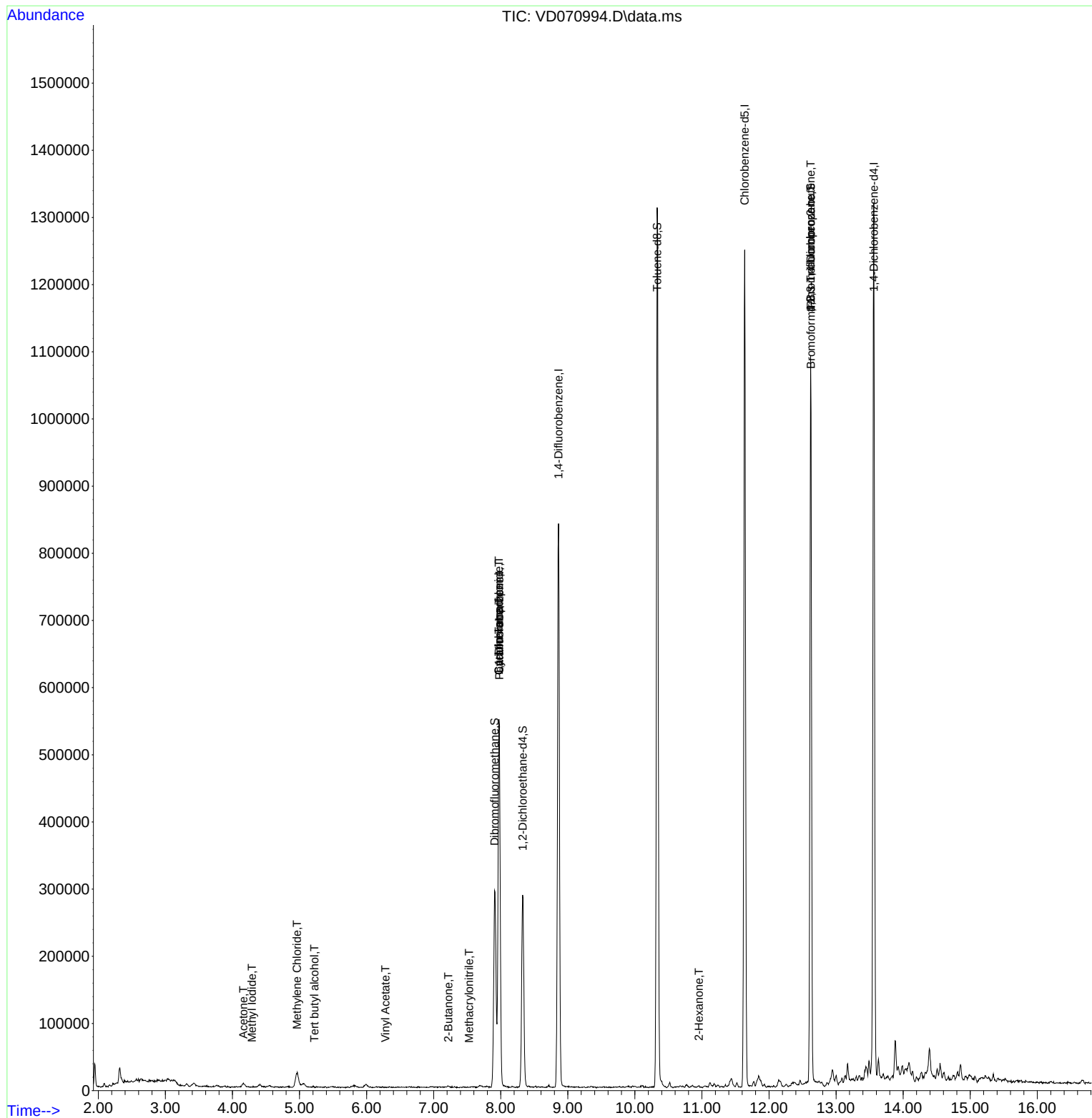
Internal Standards						
1) Pentafluorobenzene	7.979	168	397503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	697063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	680343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	223954	52.916	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.840%	
35) Dibromofluoromethane	7.908	113	212354	53.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.980%	
50) Toluene-d8	10.332	98	869633	56.455	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.900%	
62) 4-Bromofluorobenzene	12.620	95	335321	60.457	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.920%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	252	6.070	ug/l #	40
11) Tert butyl alcohol	5.220	59	638	2.063	ug/l #	71
13) Acrolein	3.873	56	58	Below Cal	#	1
16) Acetone	4.162	43	8888	26.957	ug/l	94
20) Methylene Chloride	4.962	84	15411	2.802	ug/l	97
23) Vinyl Acetate	6.279	43	282	21.013	ug/l #	72
25) 2-Butanone	7.220	43	1921	21.562	ug/l #	45
31) Cyclohexane	7.973	56	11029	1.267	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	34987	5.622	ug/l #	48
38) Carbon Tetrachloride	7.973	117	40569	7.078	ug/l #	17
41) Methacrylonitrile	7.526	41	54	3.530	ug/l #	21
59) 2-Hexanone	10.955	43	1249	16.448	ug/l #	22
71) Bromoform	12.626	173	2765	1.231	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	178455	64.022	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	178455	118.407	ug/l #	18

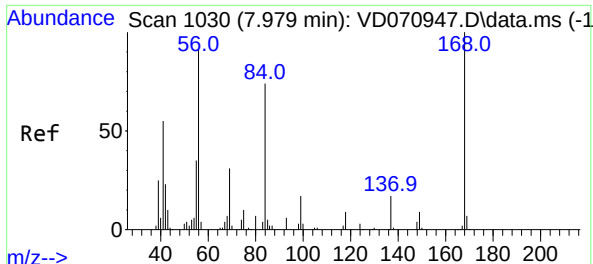
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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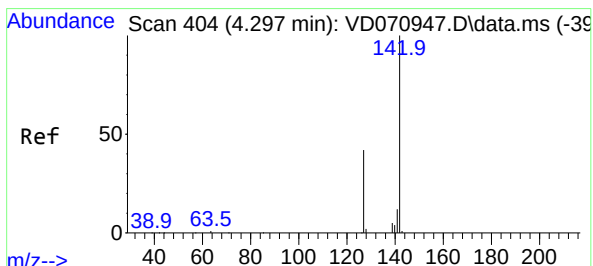
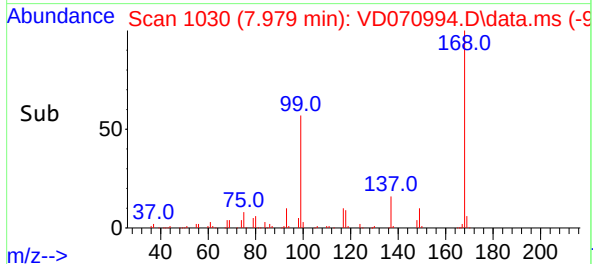
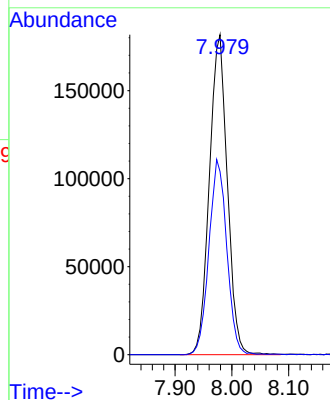
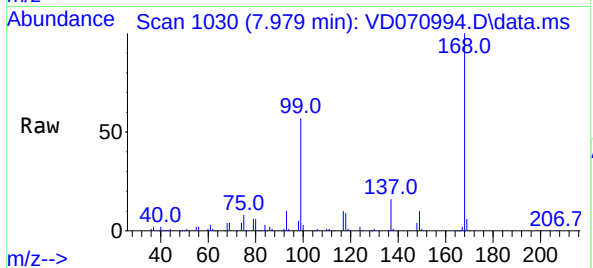




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

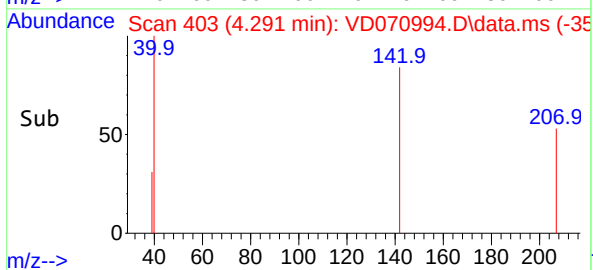
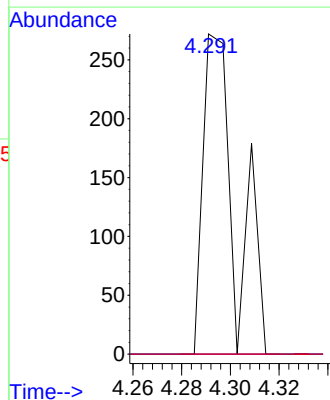
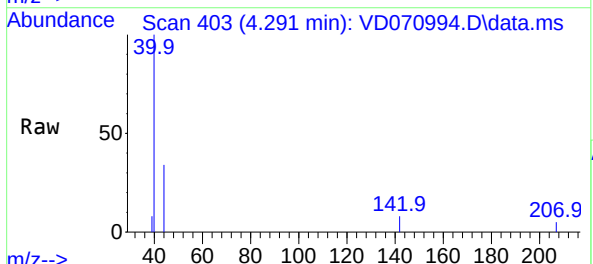
Instrument :
MSVOA_D
ClientSampleId :

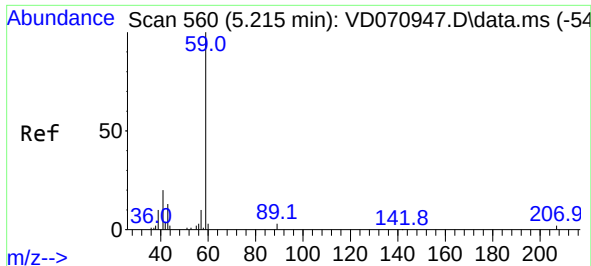
Tgt Ion:168 Resp: 397503
Ion Ratio Lower Upper
168 100
99 57.2 46.6 69.8



#10
Methyl Iodide
Concen: 6.070 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Tgt Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#11

Tert butyl alcohol

Concen: 2.063 ug/l

RT: 5.220 min Scan# 5

Delta R.T. 0.005 min

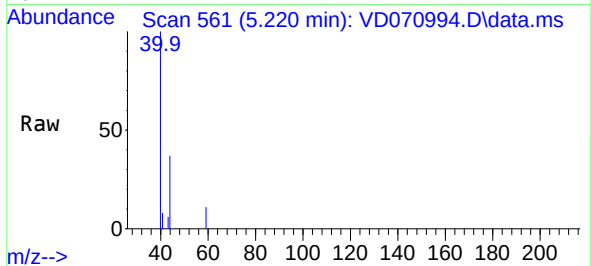
Lab File: VD070994.D

Acq: 11 Nov 2021 16:27

Instrument :

MSVOA_D

ClientSampleId :

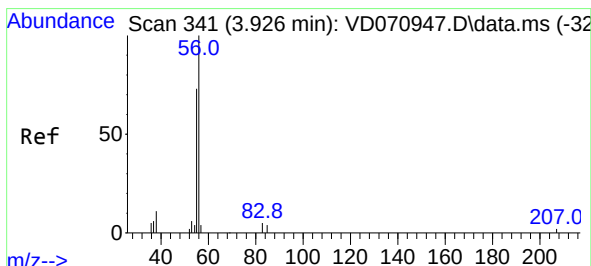
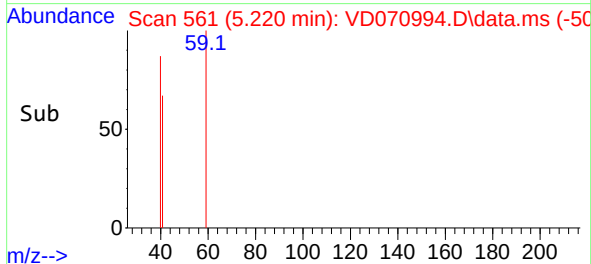
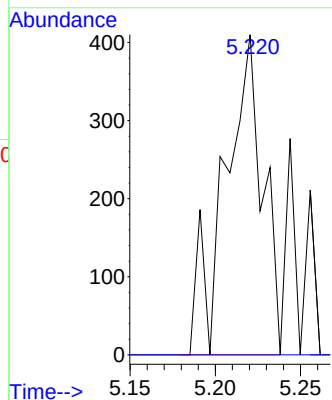


Tgt Ion: 59 Resp: 638

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#13

Acrolein

Concen: Below Cal

RT: 3.873 min Scan# 332

Delta R.T. -0.053 min

Lab File: VD070994.D

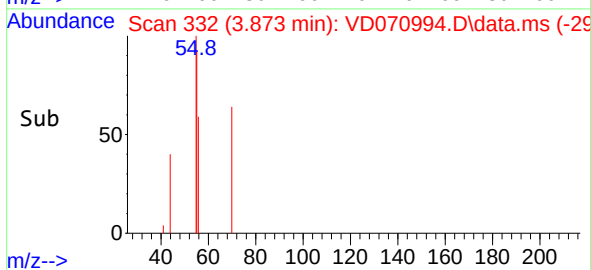
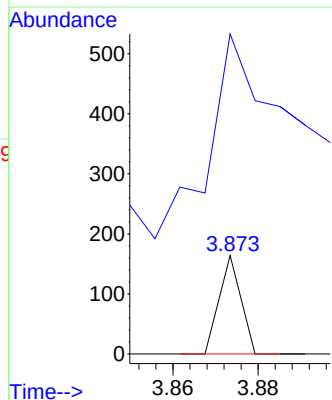
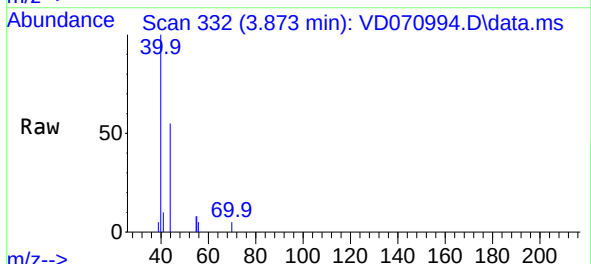
Acq: 11 Nov 2021 16:27

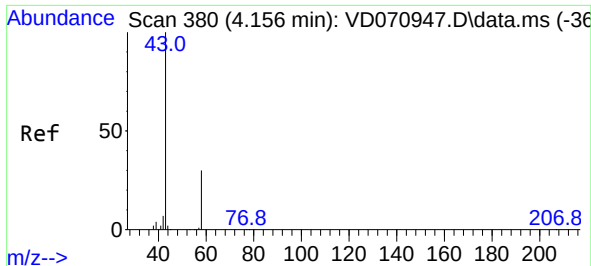
Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 2287.9 58.6 87.8#

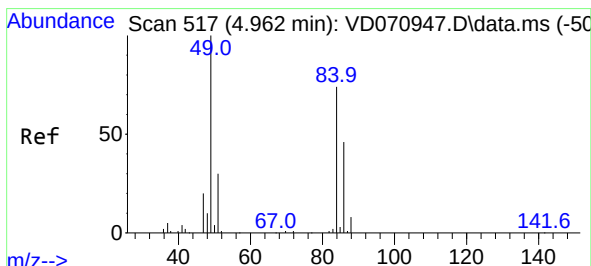
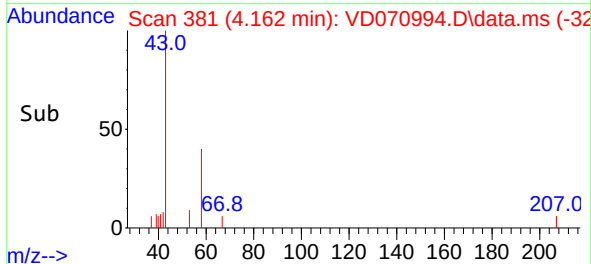
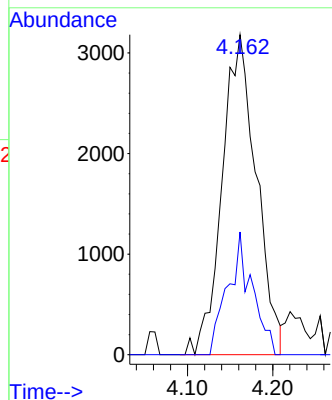
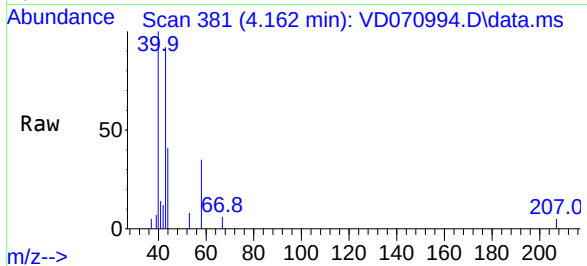




#16
Acetone
Concen: 26.957 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

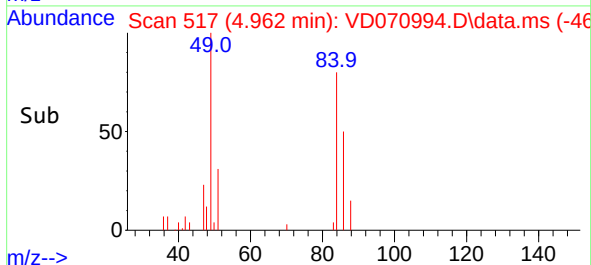
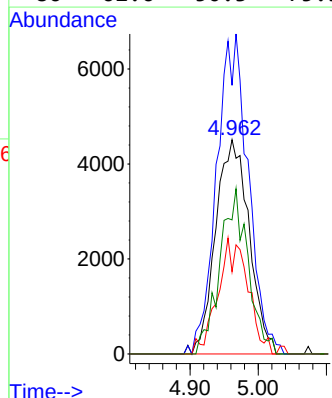
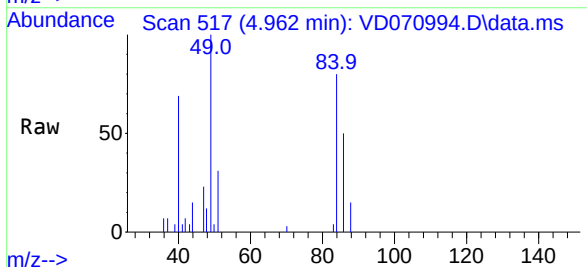
Instrument :
MSVOA_D
ClientSampleId :

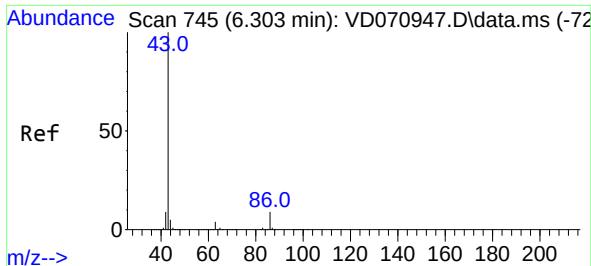
Tgt Ion: 43 Resp: 8888
Ion Ratio Lower Upper
43 100
58 38.4 27.8 41.8



#20
Methylene Chloride
Concen: 2.802 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Tgt Ion: 84 Resp: 15411
Ion Ratio Lower Upper
84 100
49 125.4 95.8 143.6
51 38.3 30.9 46.3
86 62.6 50.3 75.5

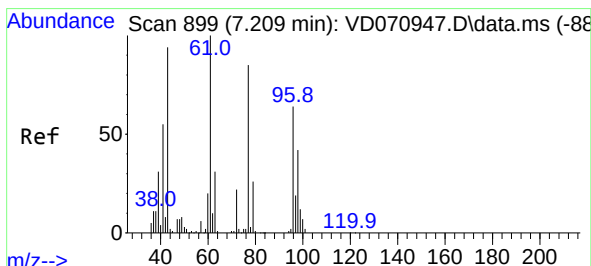
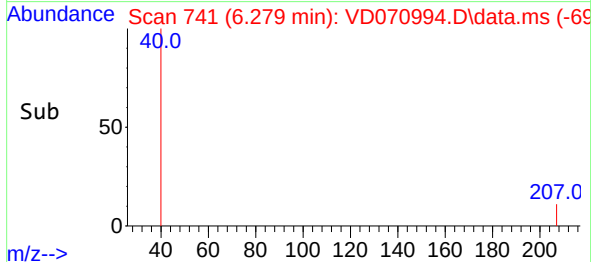
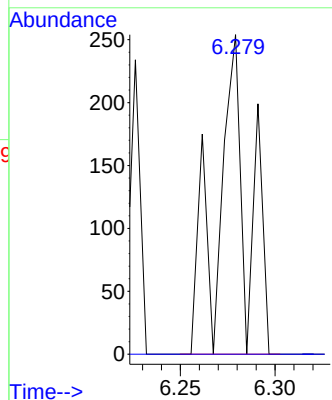
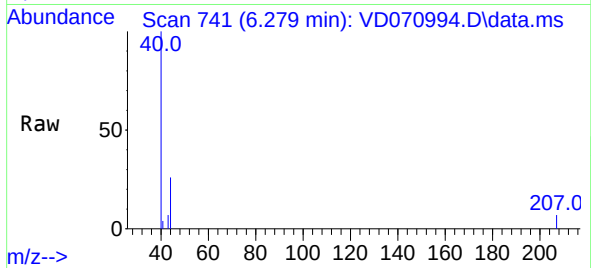




#23
 Vinyl Acetate
 Concen: 21.013 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.024 min
 Lab File: VD070994.D
 Acq: 11 Nov 2021 16:27

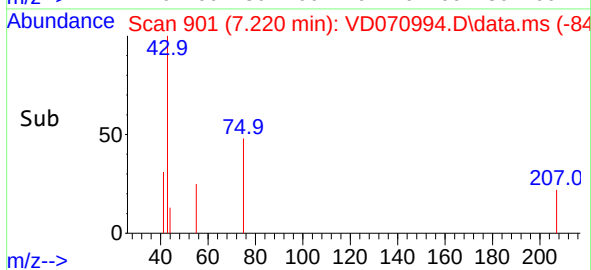
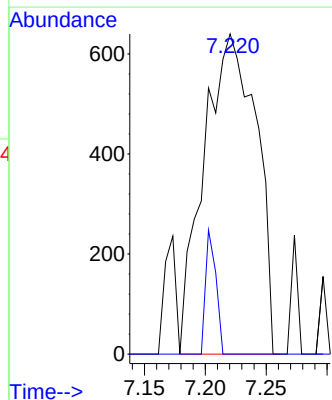
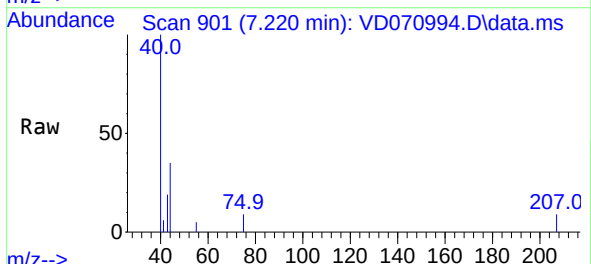
Instrument :
 MSVOA_D
 ClientSampleId :

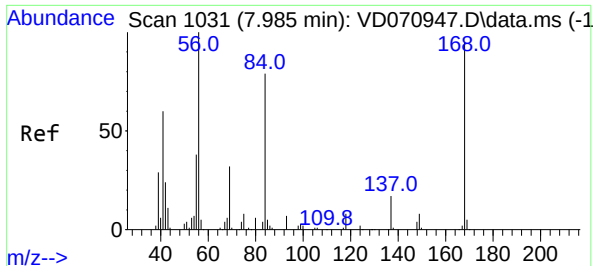
Tgt Ion: 43 Resp: 282
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 21.562 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.011 min
 Lab File: VD070994.D
 Acq: 11 Nov 2021 16:27

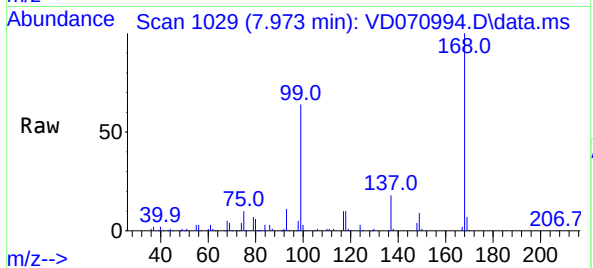
Tgt Ion: 43 Resp: 1921
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



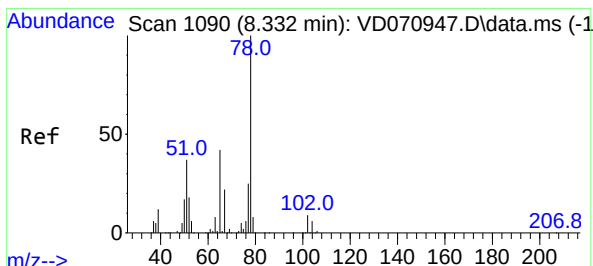
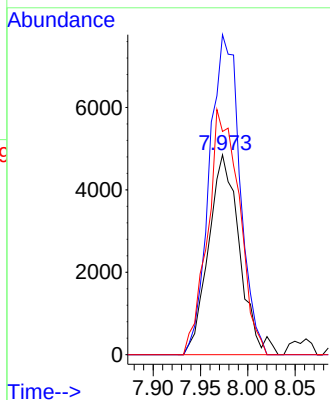
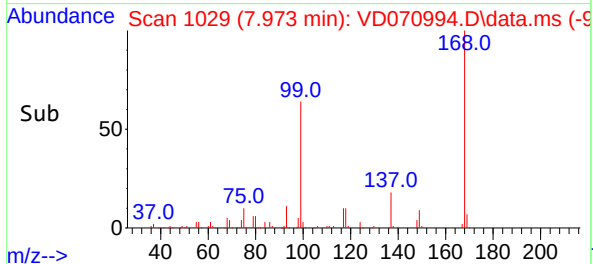


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

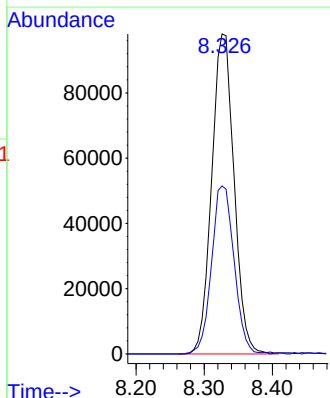
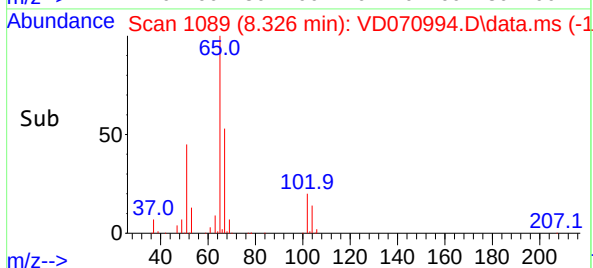
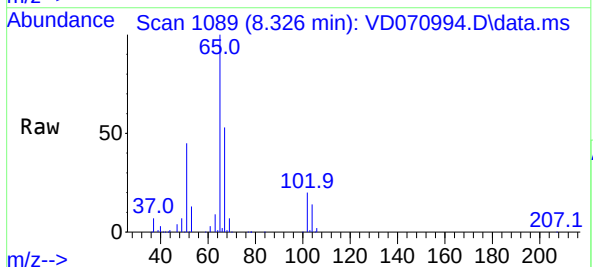


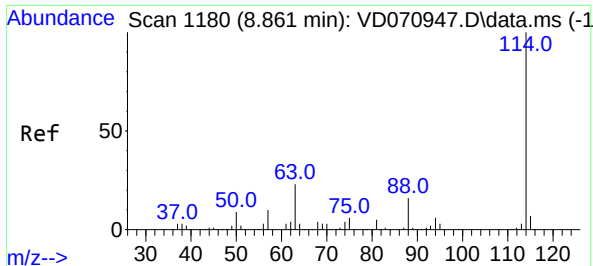
Tgt Ion: 56 Resp: 11029
Ion Ratio Lower Upper
56 100
69 160.2 25.9 38.9#
84 111.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 52.916 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Tgt Ion: 65 Resp: 223954
Ion Ratio Lower Upper
65 100
67 52.9 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: VD070994.D

Acq: 11 Nov 2021 16:27

Instrument :

MSVOA_D

ClientSampleId :

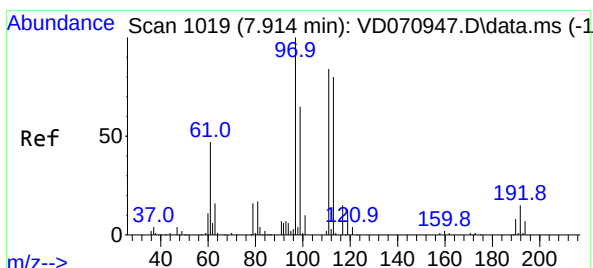
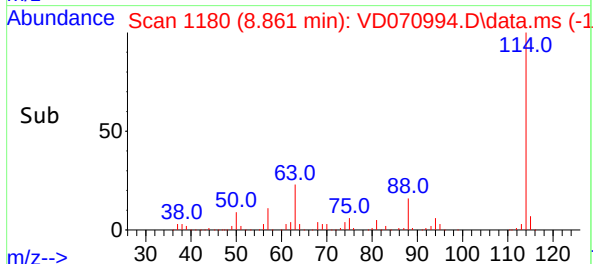
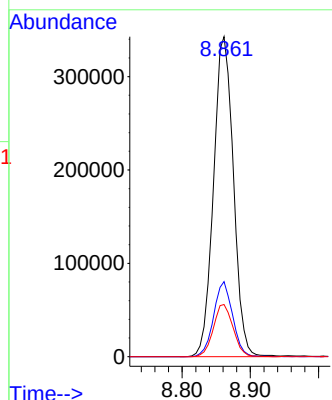
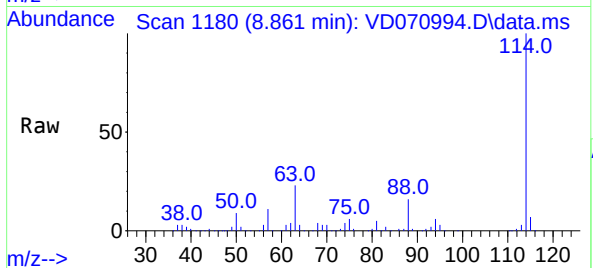
Tgt Ion:114 Resp: 697063

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.988 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070994.D

Acq: 11 Nov 2021 16:27

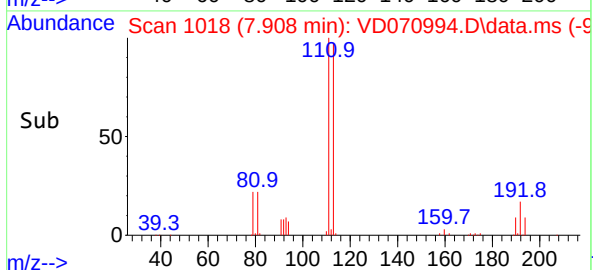
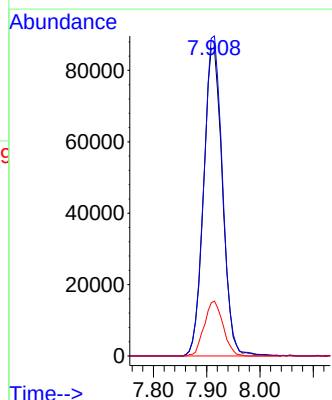
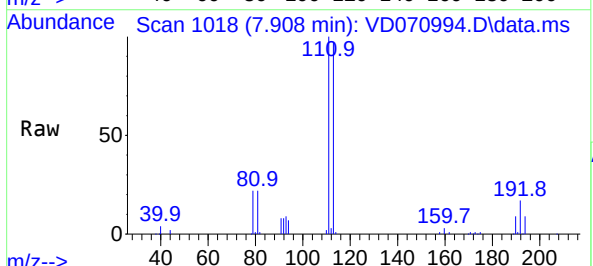
Tgt Ion:113 Resp: 212354

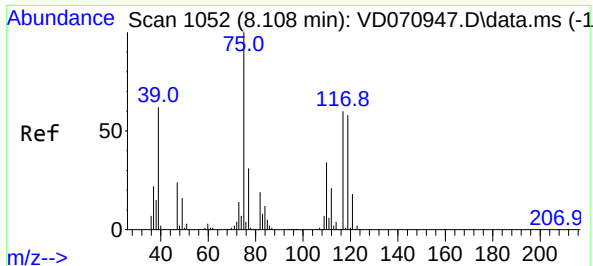
Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 17.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.622 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070994.D

Acq: 11 Nov 2021 16:27

Instrument :

MSVOA_D

ClientSampleId :

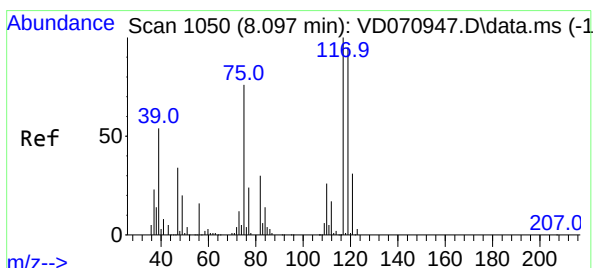
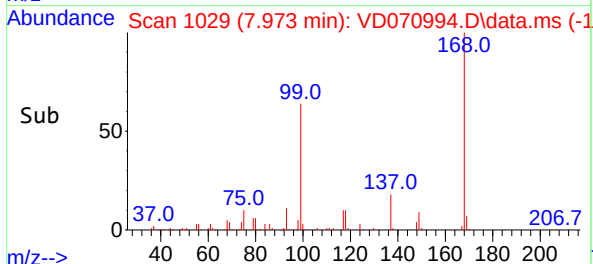
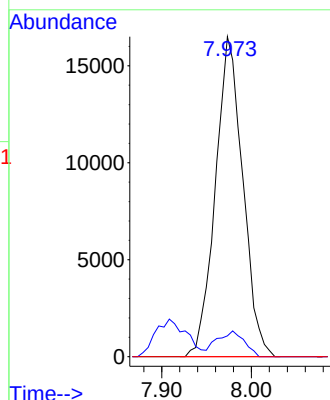
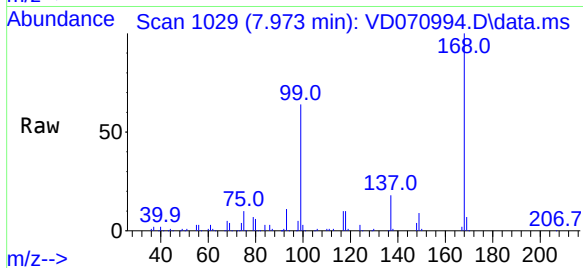
Tgt Ion: 75 Resp: 34987

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.078 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD070994.D

Acq: 11 Nov 2021 16:27

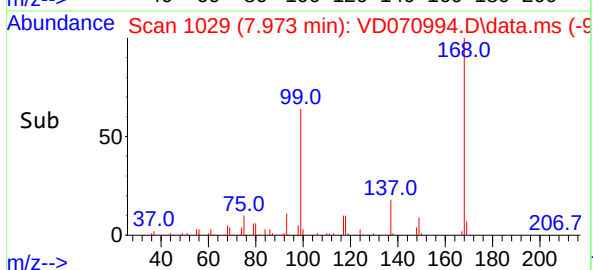
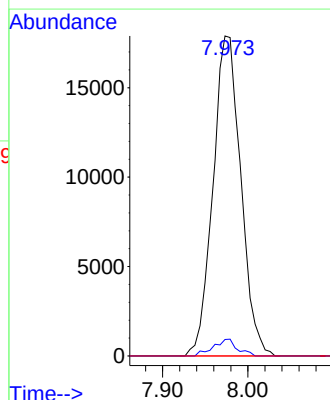
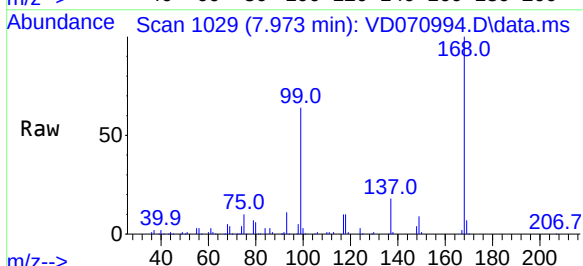
Tgt Ion: 117 Resp: 40569

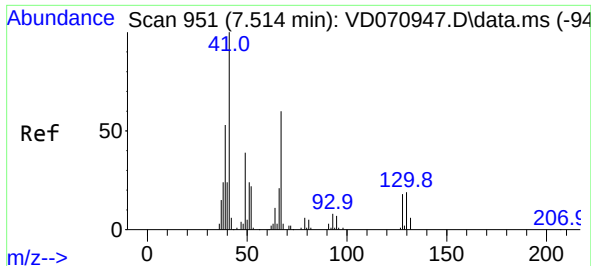
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

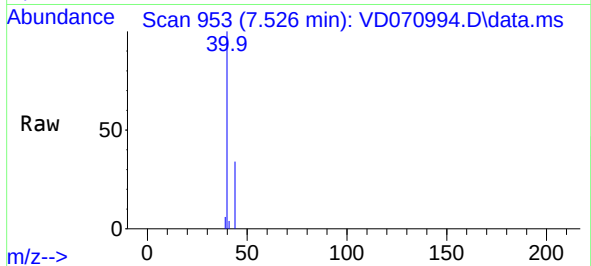
121 0.0 23.6 35.4#



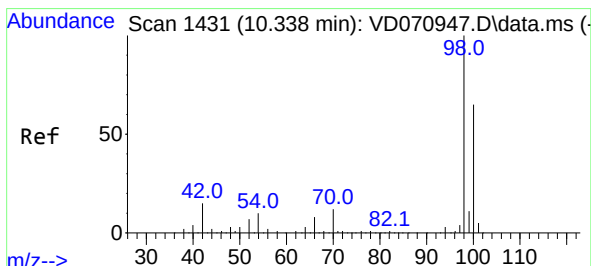
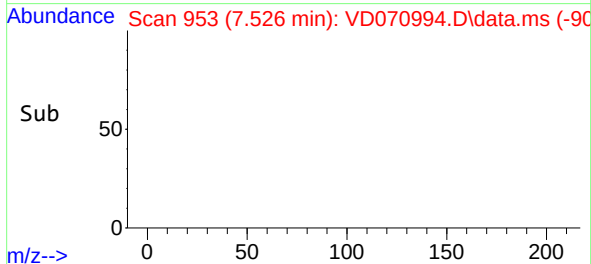
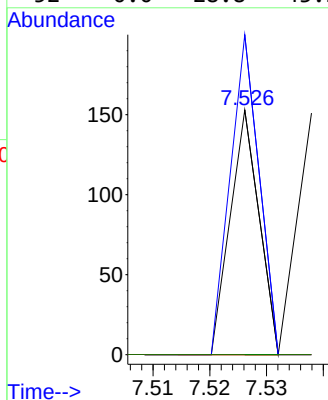


#41
Methacrylonitrile
Concen: 3.530 ug/l
RT: 7.526 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

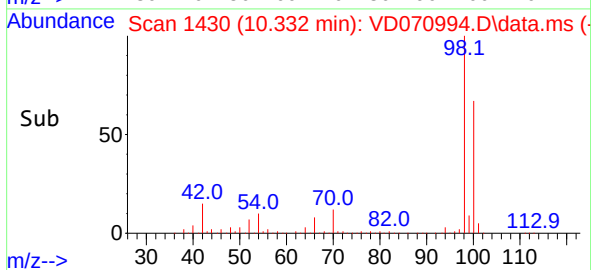
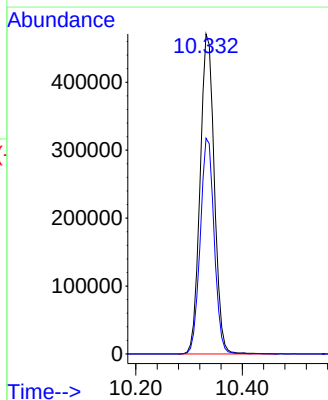
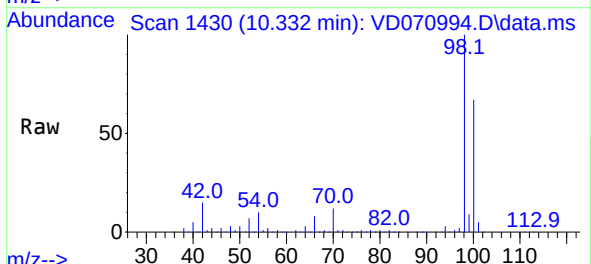


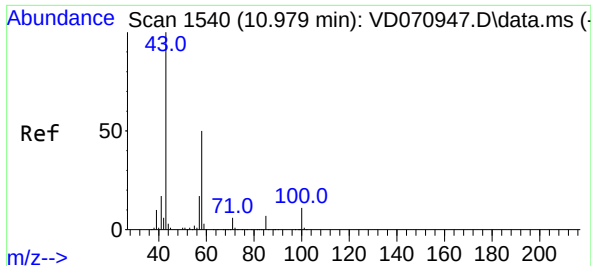
Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
39 131.5 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#



#50
Toluene-d8
Concen: 56.455 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Tgt Ion: 98 Resp: 869633
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.6

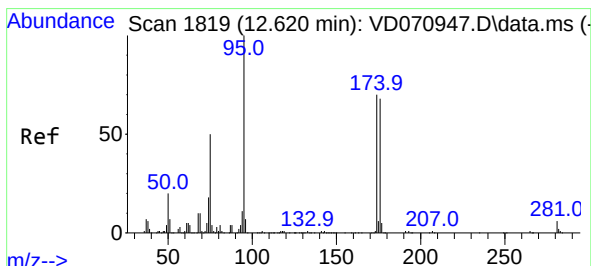
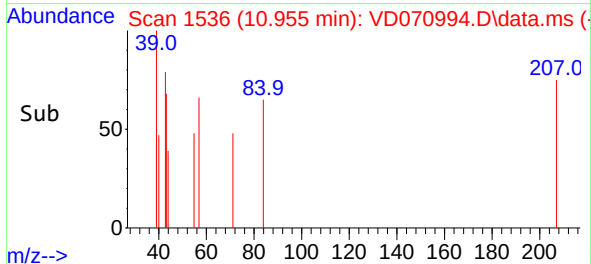
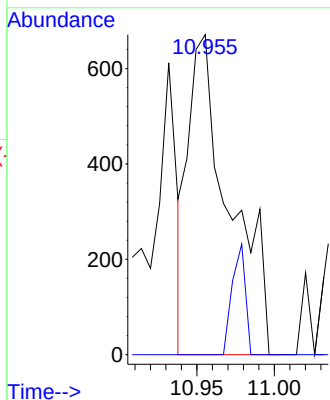
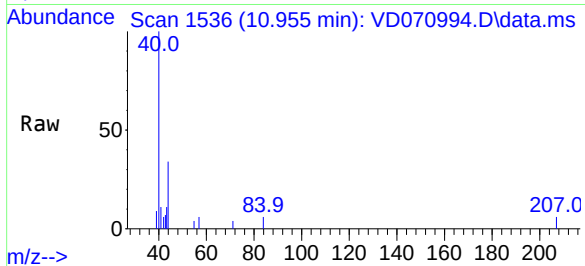




#59
2-Hexanone
Concen: 16.448 ug/l
RT: 10.955 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

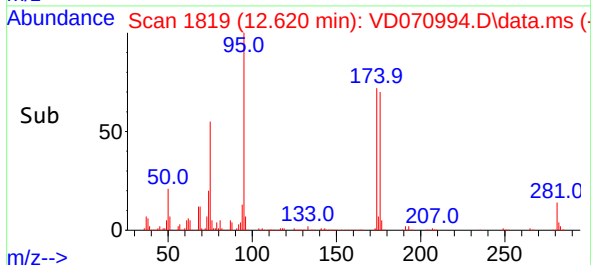
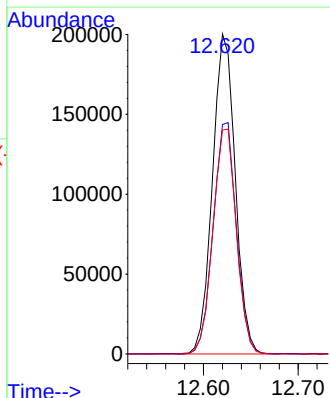
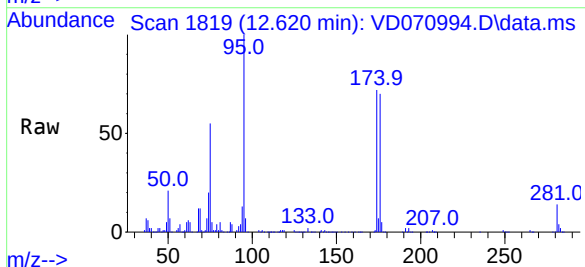
Instrument :
MSVOA_D
ClientSampleId :

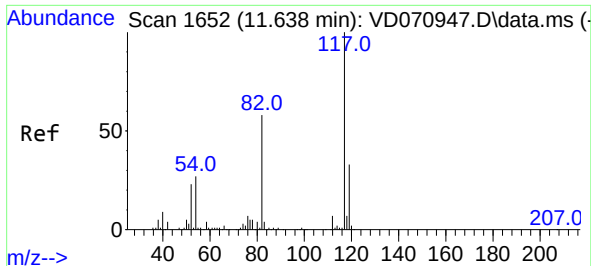
Tgt Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 60.457 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

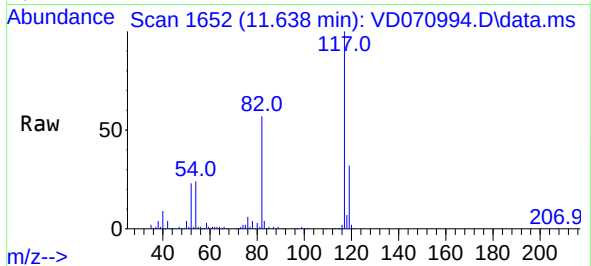
Tgt Ion: 95 Resp: 335321
Ion Ratio Lower Upper
95 100
174 73.5 0.0 159.4
176 72.1 0.0 154.0



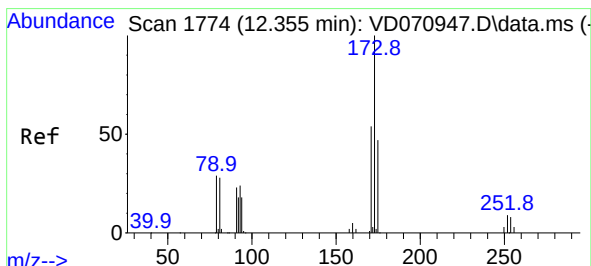
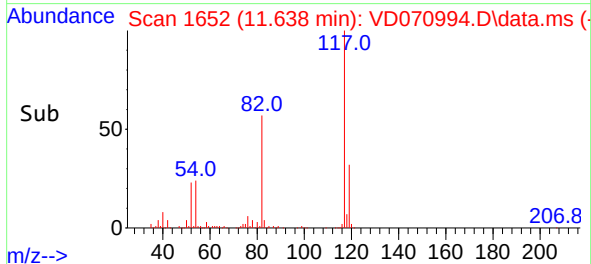
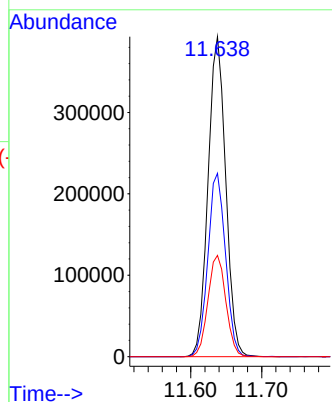


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

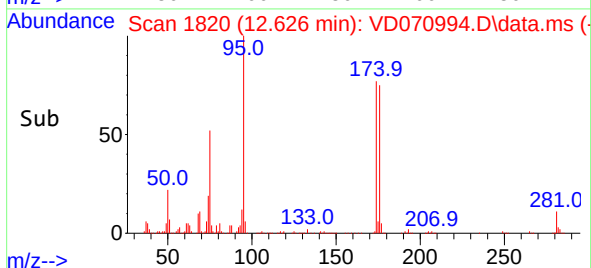
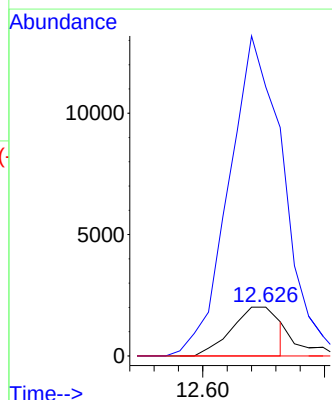
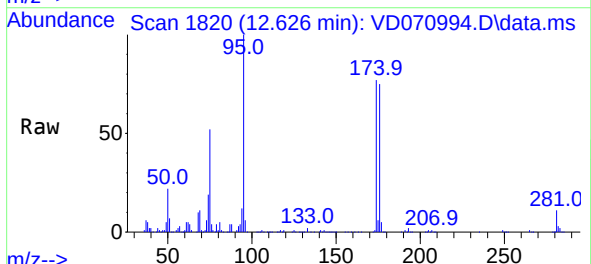


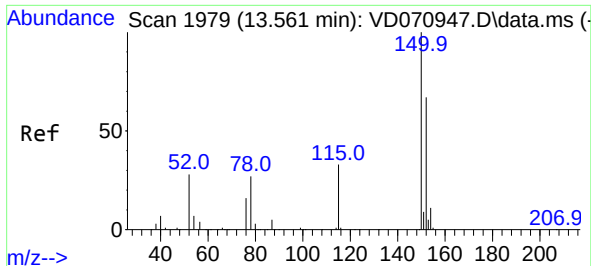
Tgt Ion:117 Resp: 680343
Ion Ratio Lower Upper
117 100
82 57.3 44.7 67.1
119 31.7 26.2 39.4



#71
Bromoform
Concen: 1.231 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

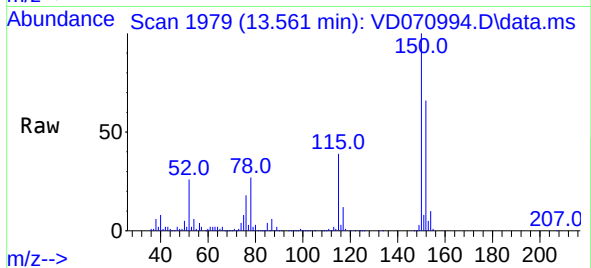
Tgt Ion:173 Resp: 2765
Ion Ratio Lower Upper
173 100
175 658.9 24.1 72.2#
254 0.0 0.1 0.1#



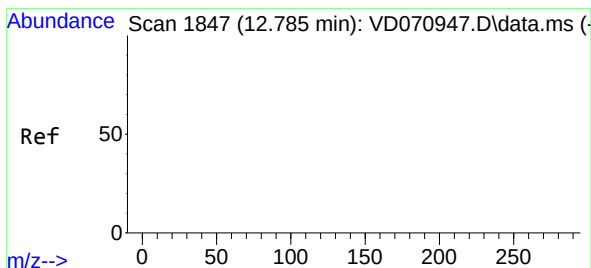
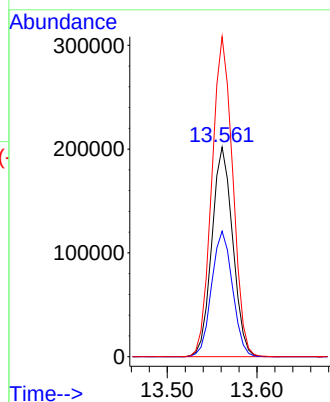
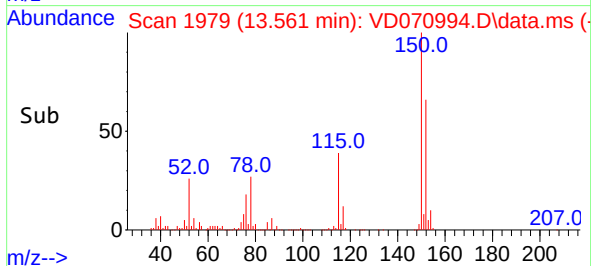


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

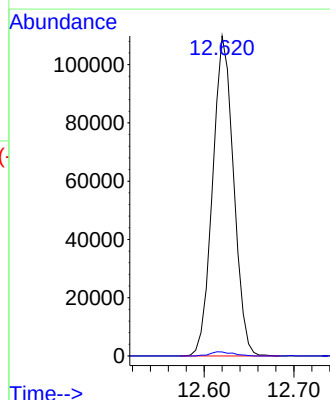
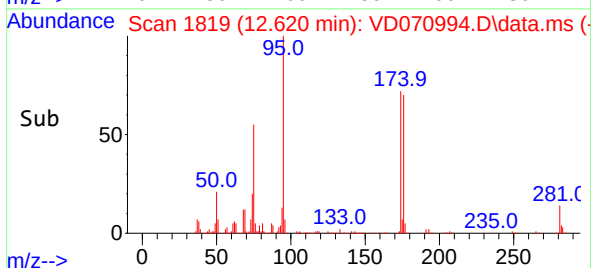
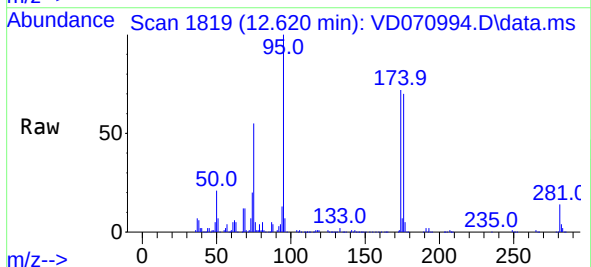


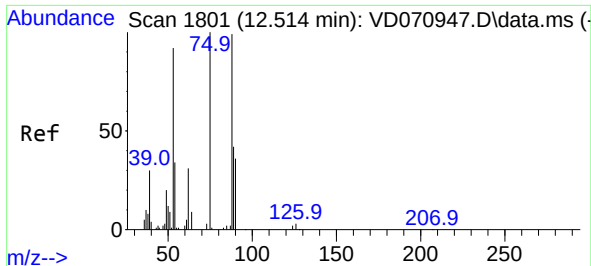
Tgt Ion:152 Resp: 326314
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 153.0 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 64.022 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

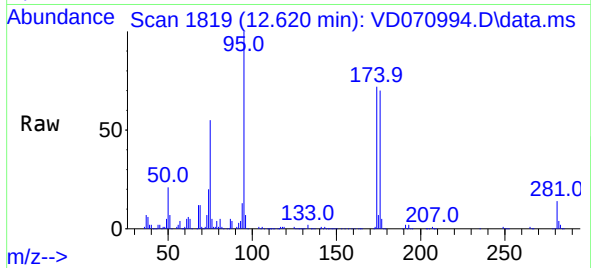
Tgt Ion: 75 Resp: 178455
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 118.407 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070994.D
Acq: 11 Nov 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 178455
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

