

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070996.D
 Acq On : 11 Nov 2021 17:24
 Operator : VA/SY
 Sample : M4583-04
 Misc : 5.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:03:06 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)

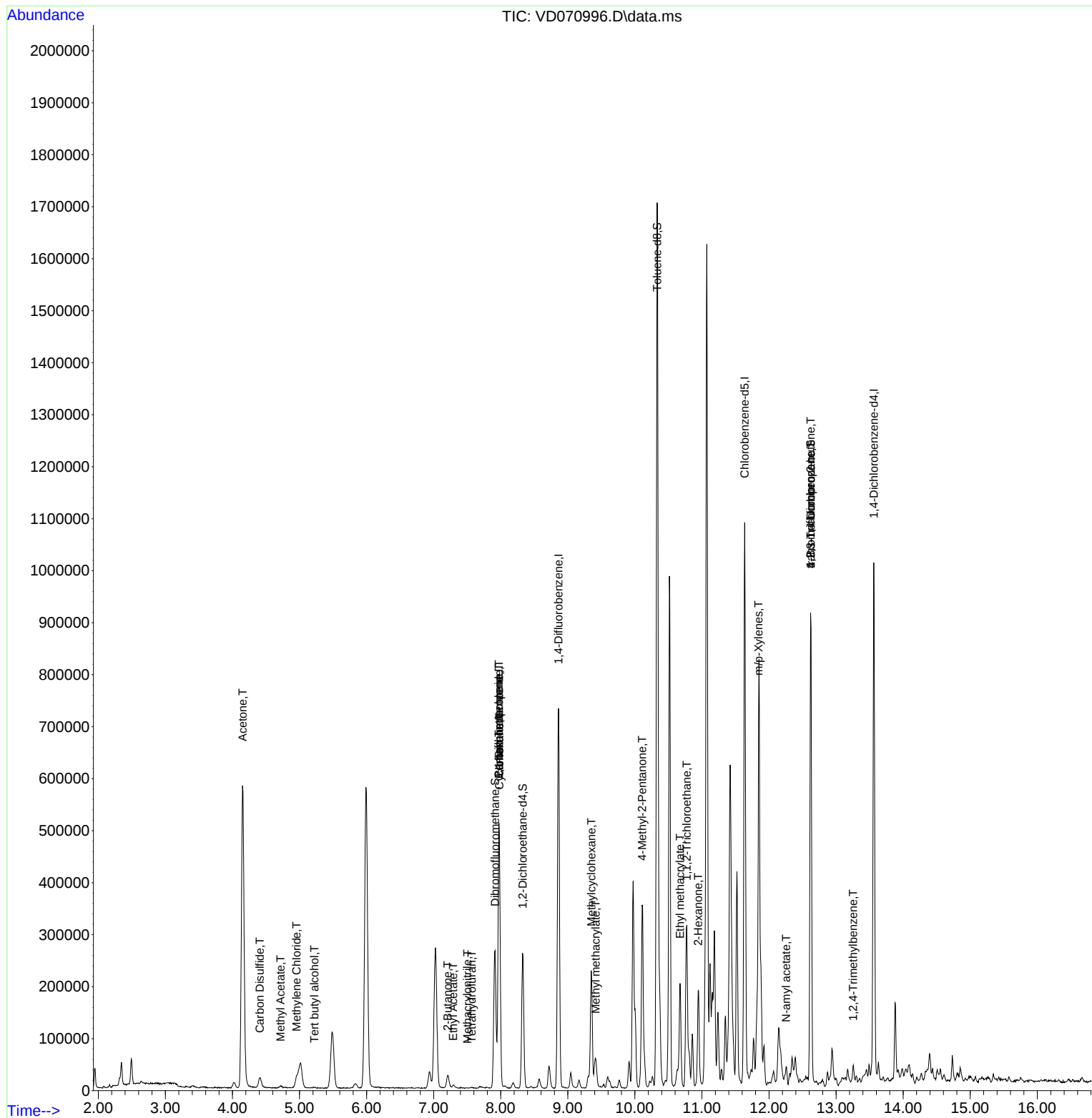
Internal Standards						
1) Pentafluorobenzene	7.973	168	348776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	607531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	572275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198083	53.342	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.680%	
35) Dibromofluoromethane	7.914	113	191294	55.800	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.600%	
50) Toluene-d8	10.332	98	784642	58.444	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.880%	
62) 4-Bromofluorobenzene	12.620	95	269068	55.661	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	2213	8.154	ug/l #	71
13) Acrolein	4.015	56	74	Below Cal	#	1
16) Acetone	4.150	43	1042362	976.911	ug/l	91
17) Carbon Disulfide	4.409	76	38247	3.577	ug/l #	87
18) Methyl Acetate	4.715	43	8315	2.610	ug/l	92
20) Methylene Chloride	4.956	84	13842	2.879	ug/l	88
25) 2-Butanone	7.209	43	41368	49.687	ug/l	92
29) Tetrahydrofuran	7.567	42	1245	1.650	ug/l #	46
31) Cyclohexane	7.979	56	22990	3.010	ug/l #	67
36) 1,1-Dichloropropene	7.973	75	29896	5.511	ug/l #	50
37) Ethyl Acetate	7.291	43	8285	3.348	ug/l #	93
38) Carbon Tetrachloride	7.973	117	36961	7.399	ug/l #	15
39) Methylcyclohexane	9.350	83	75688	10.804	ug/l	98
41) Methacrylonitrile	7.503	41	98	3.556	ug/l #	72
48) Methyl methacrylate	9.414	41	18051	7.026	ug/l #	41
51) 4-Methyl-2-Pentanone	10.108	43	161699	63.681	ug/l #	39
55) 1,1,2-Trichloroethane	10.773	97	117708	43.553	ug/l #	21
56) Ethyl methacrylate	10.673	69	19001	4.969	ug/l #	1
59) 2-Hexanone	10.944	43	85560	56.278	ug/l #	27
68) m/p-Xylenes	11.844	106	11194	1.549	ug/l	93
74) N-amyl acetate	12.255	43	15267	3.098	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	145743	71.250	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	145743	131.396	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	19069	1.371	ug/l	96

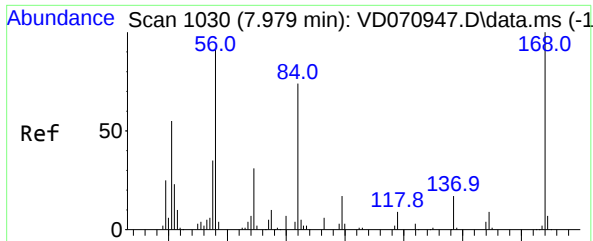
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :

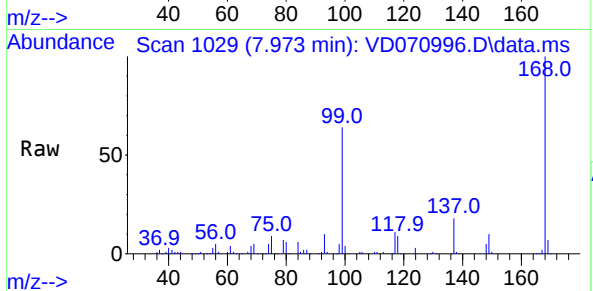
Quant Time: Nov 12 08:03:06 2021
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Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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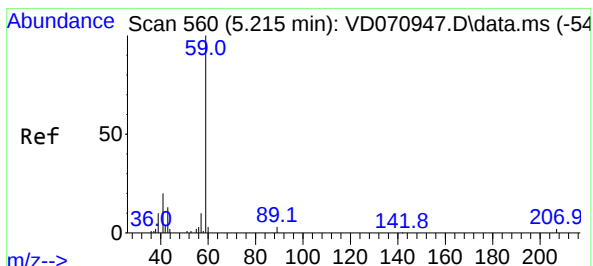
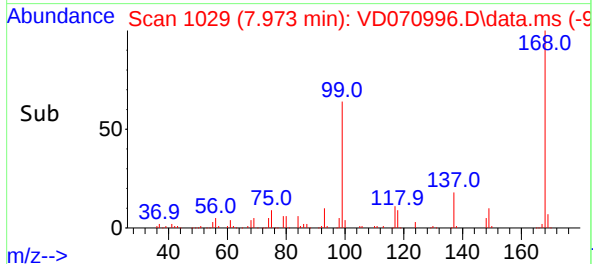
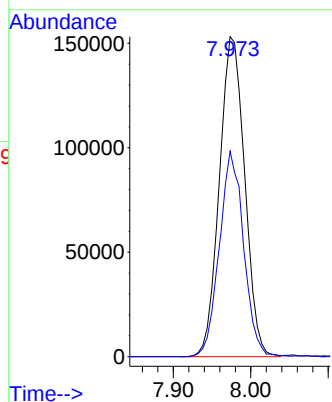


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

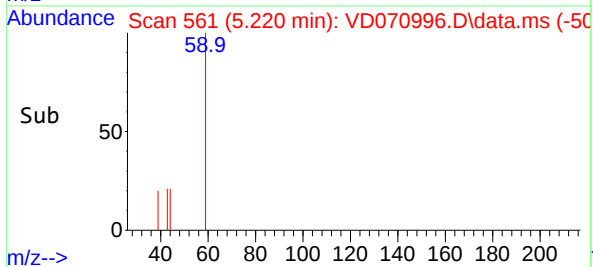
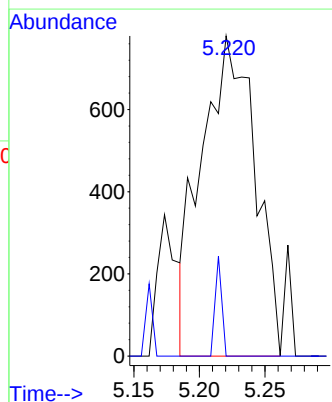
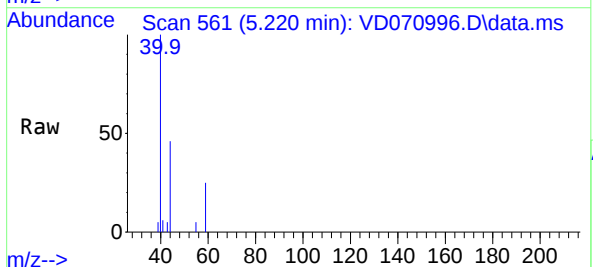


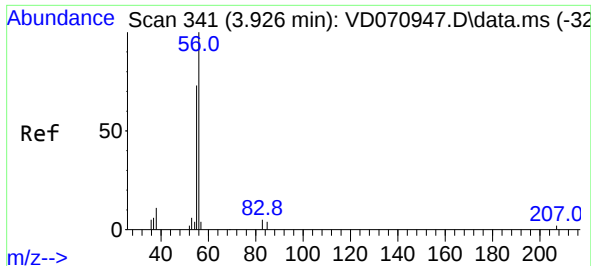
Tgt Ion:168 Resp: 348776
Ion Ratio Lower Upper
168 100
99 64.2 46.6 69.8



#11
Tert butyl alcohol
Concen: 8.154 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 59 Resp: 2213
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

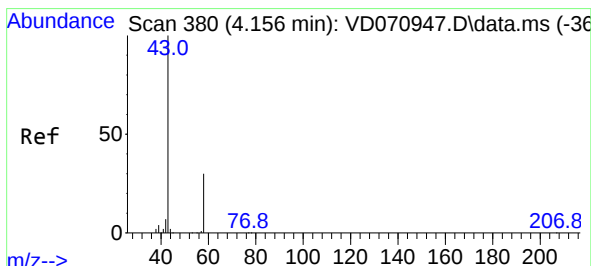
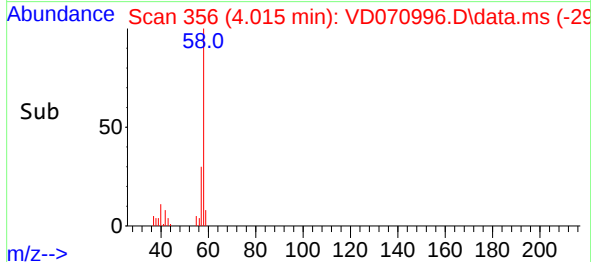
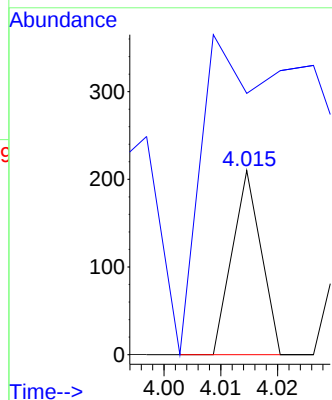
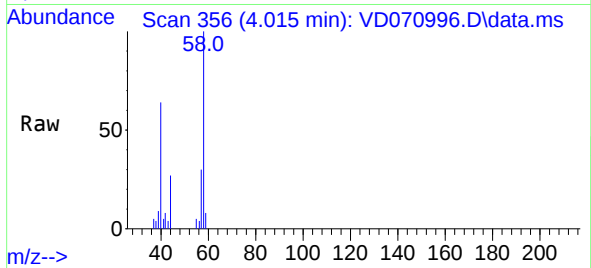




#13
Acrolein
Concen: Below Cal
RT: 4.015 min Scan# 31
Delta R.T. 0.089 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

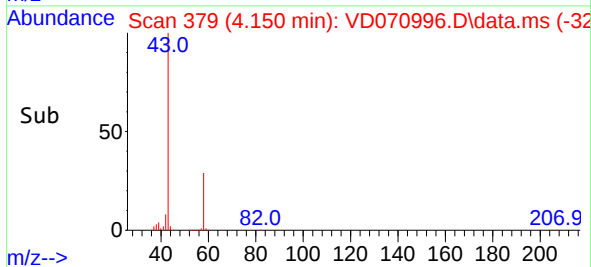
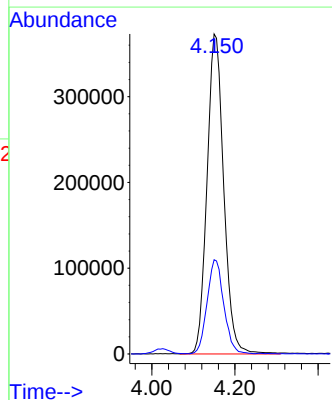
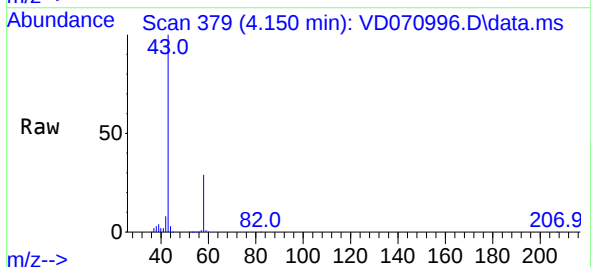
Instrument :
MSVOA_D
ClientSampleId :

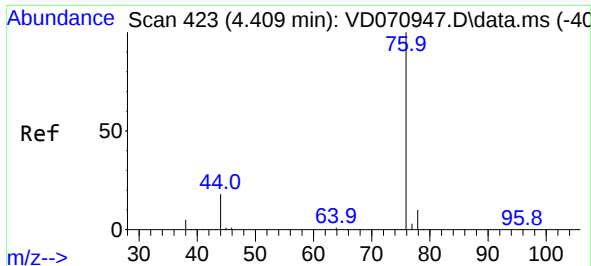
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 887.8 58.6 87.8#



#16
Acetone
Concen: 976.911 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 43 Resp: 1042362
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8

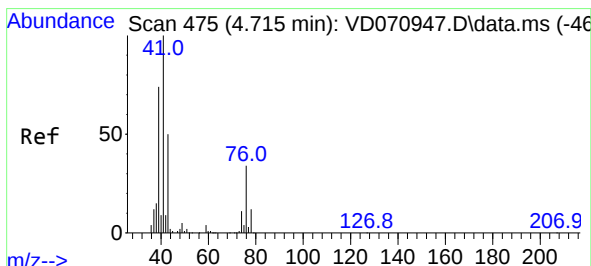
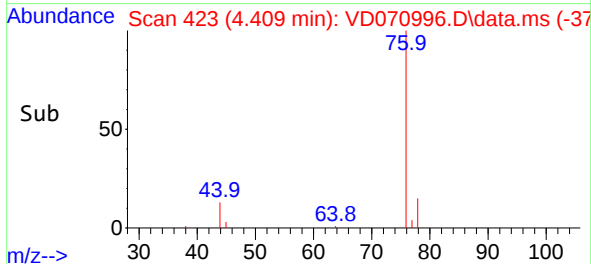
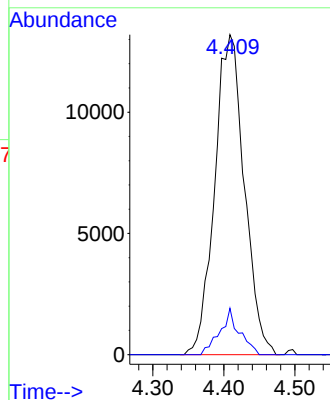
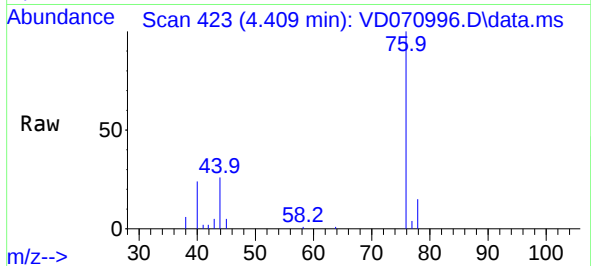




#17
Carbon Disulfide
Concen: 3.577 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

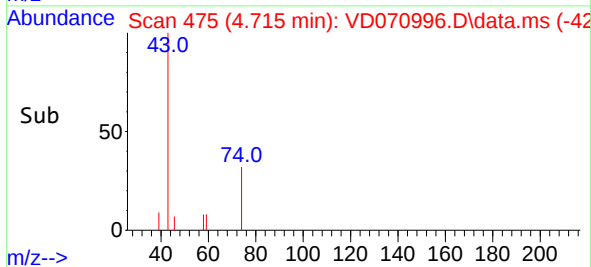
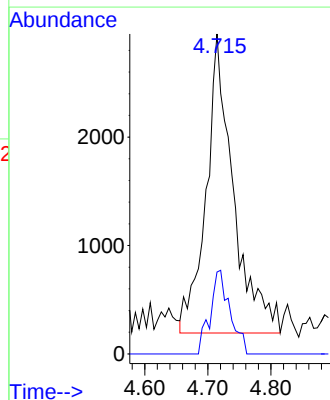
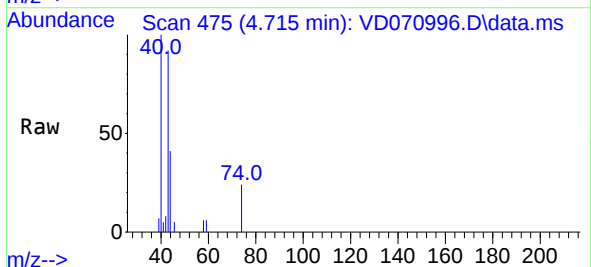
Instrument :
MSVOA_D
ClientSampleId :

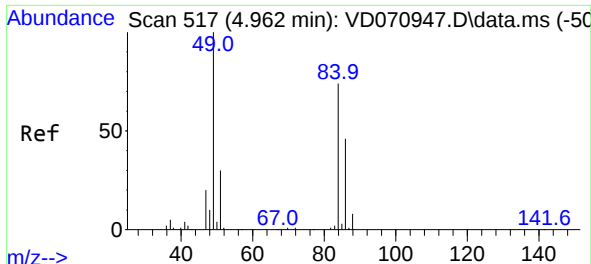
Tgt Ion: 76 Resp: 38247
Ion Ratio Lower Upper
76 100
78 14.5 7.8 11.8#



#18
Methyl Acetate
Concen: 2.610 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

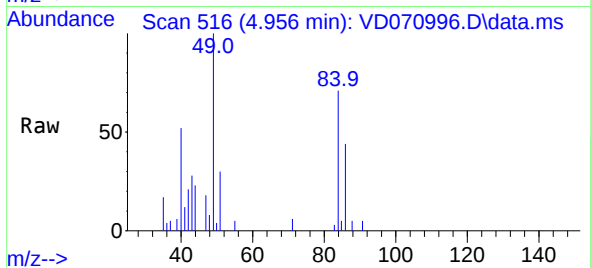
Tgt Ion: 43 Resp: 8315
Ion Ratio Lower Upper
43 100
74 20.2 19.3 28.9





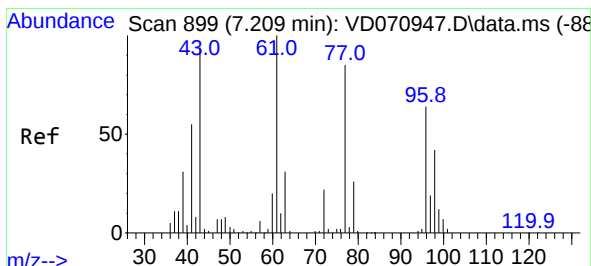
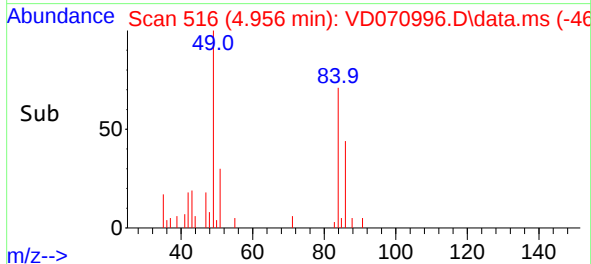
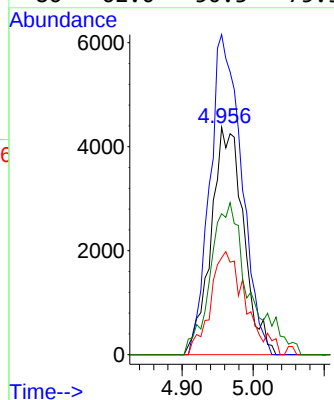
#20
Methylene Chloride
Concen: 2.879 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 13842

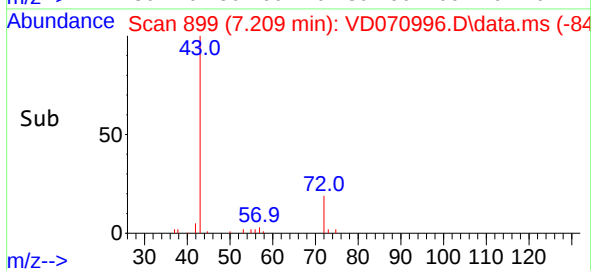
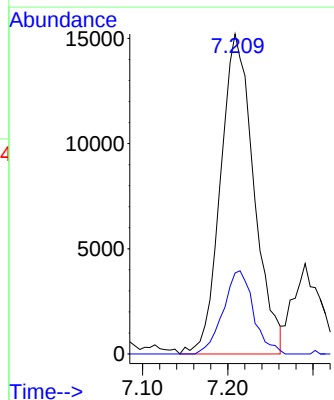
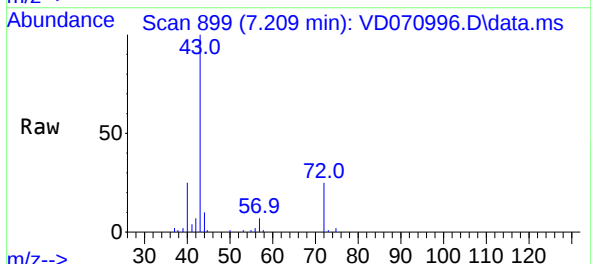
Ion	Ratio	Lower	Upper
84	100		
49	140.8	95.8	143.6
51	42.6	30.9	46.3
86	62.0	50.3	75.5

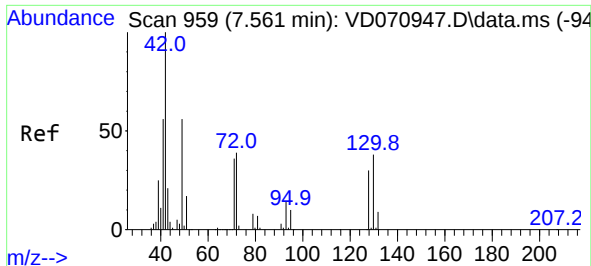


#25
2-Butanone
Concen: 49.687 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 43 Resp: 41368

Ion	Ratio	Lower	Upper
43	100		
72	25.3	23.8	35.6





#29

Tetrahydrofuran

Concen: 1.650 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

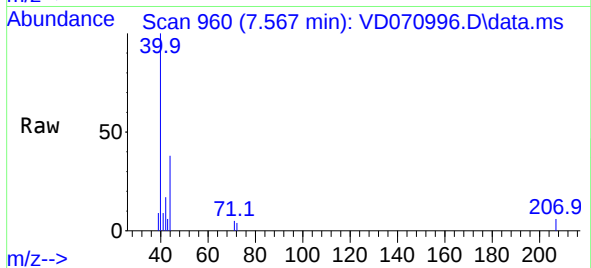
Lab File: VD070996.D

Acq: 11 Nov 2021 17:24

Instrument :

MSVOA_D

ClientSampleId :



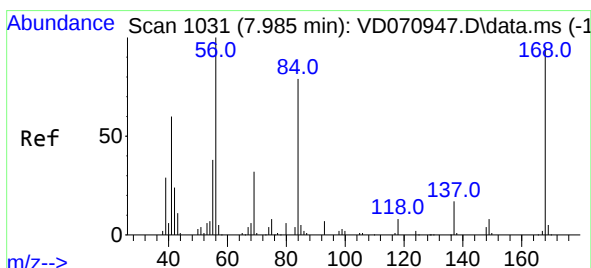
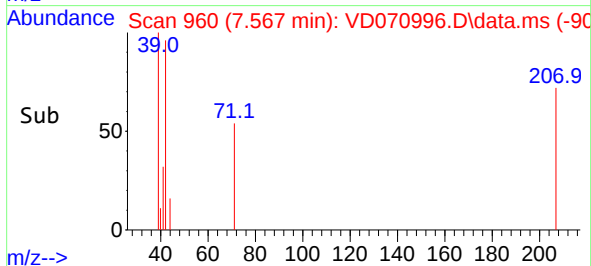
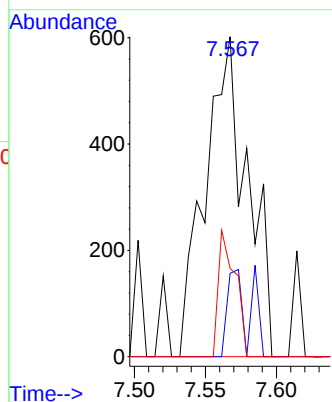
Tgt Ion: 42 Resp: 1245

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 15.7 32.7 49.1#



#31

Cyclohexane

Concen: 3.010 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070996.D

Acq: 11 Nov 2021 17:24

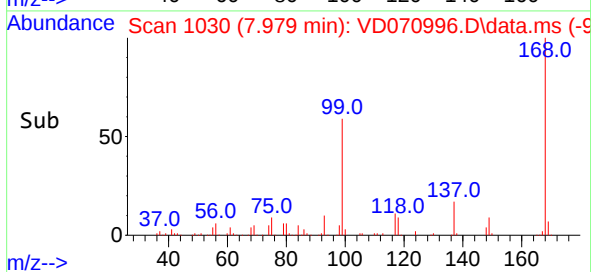
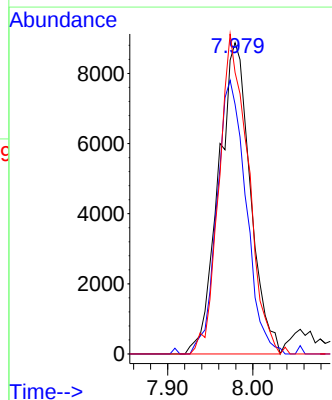
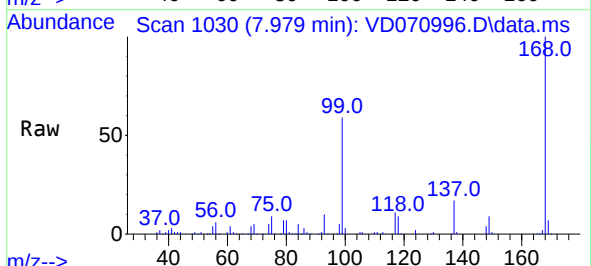
Tgt Ion: 56 Resp: 22990

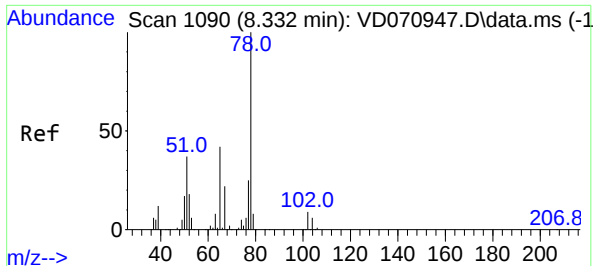
Ion Ratio Lower Upper

56 100

69 80.2 25.9 38.9#

84 90.4 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 53.342 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD070996.D

Acq: 11 Nov 2021 17:24

Instrument :

MSVOA_D

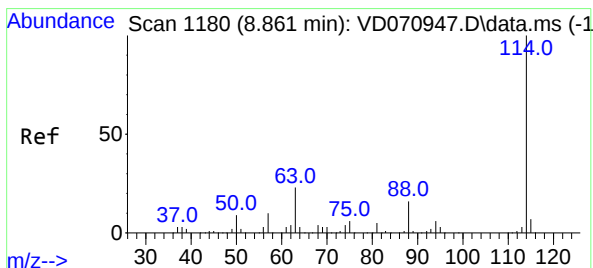
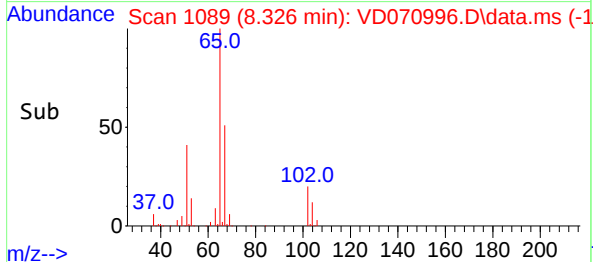
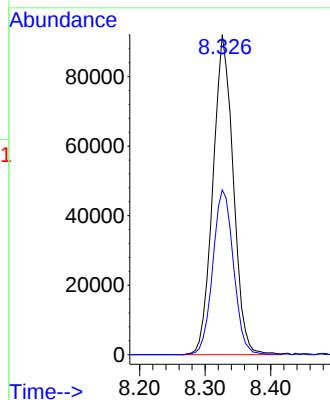
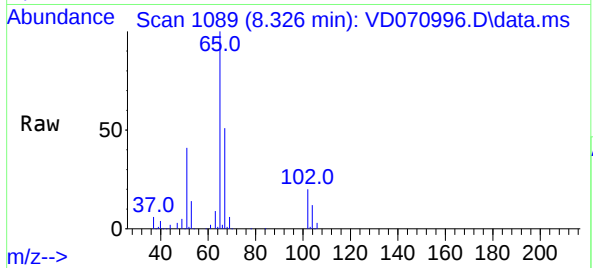
ClientSampleId :

Tgt Ion: 65 Resp: 198083

Ion Ratio Lower Upper

65 100

67 52.4 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: VD070996.D

Acq: 11 Nov 2021 17:24

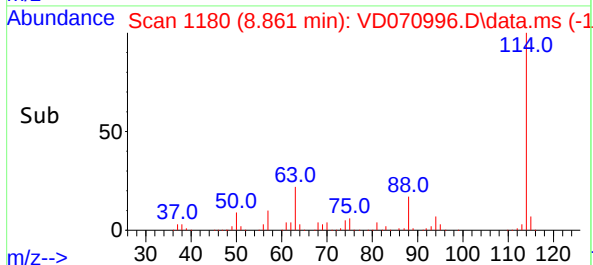
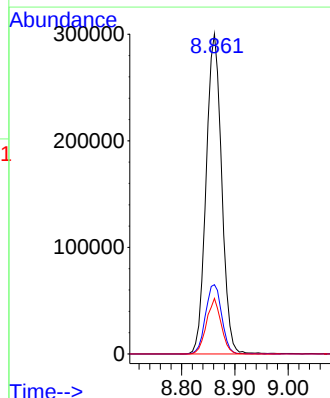
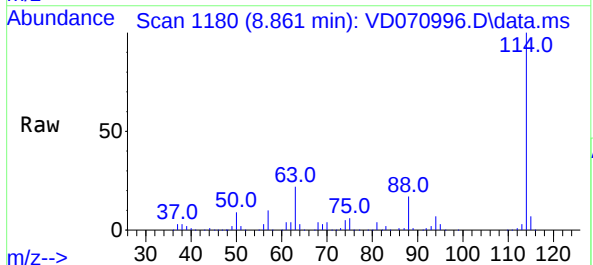
Tgt Ion: 114 Resp: 607531

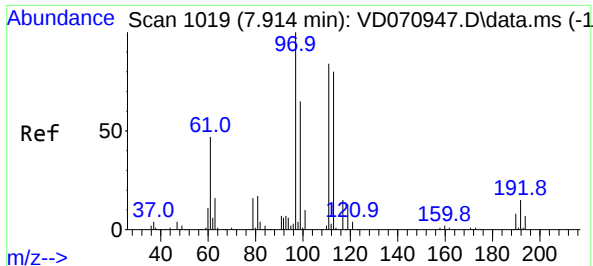
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

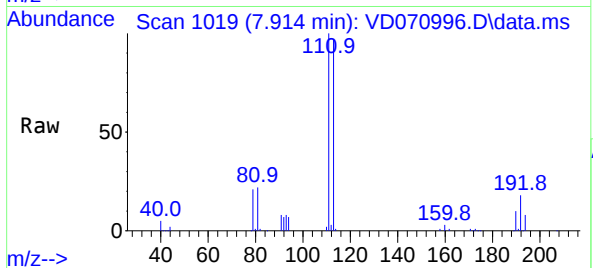
88 17.3 0.0 32.8



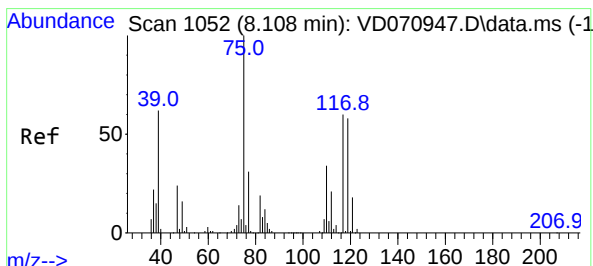
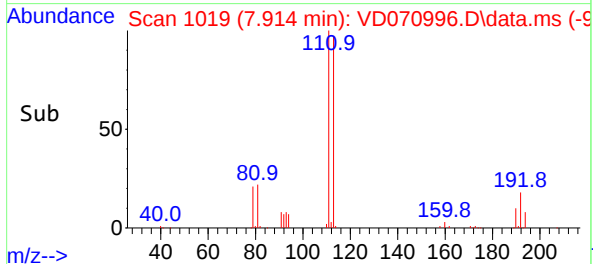
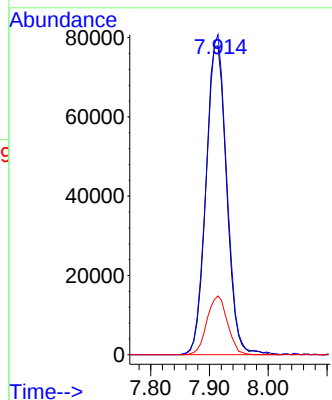


#35
Dibromofluoromethane
Concen: 55.800 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

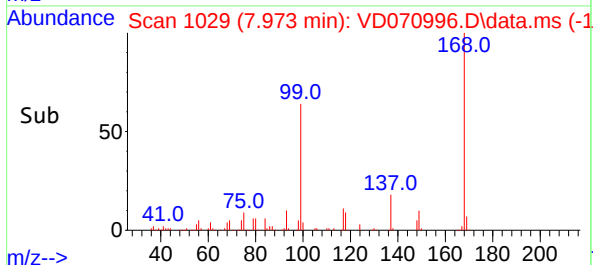
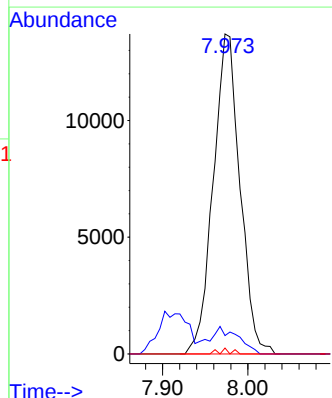
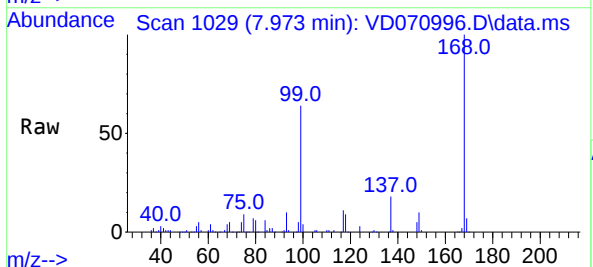


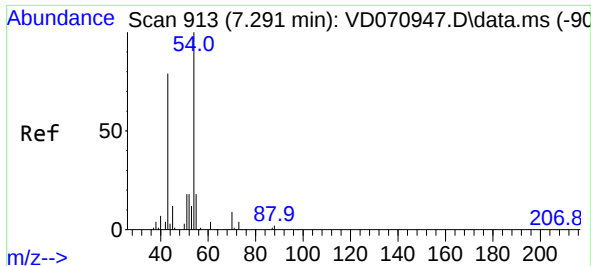
Tgt Ion:113 Resp: 191294
Ion Ratio Lower Upper
113 100
111 102.6 82.0 123.0
192 18.7 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.511 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 75 Resp: 29896
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.4#
77 0.5 24.8 37.2#





#37

Ethyl Acetate

Concen: 3.348 ug/l

RT: 7.291 min Scan# 913

Delta R.T. -0.000 min

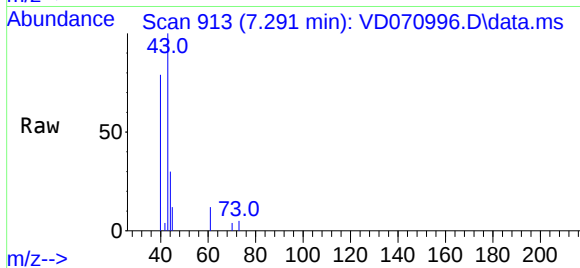
Lab File: VD070996.D

Acq: 11 Nov 2021 17:24

Instrument :

MSVOA_D

ClientSampleId :



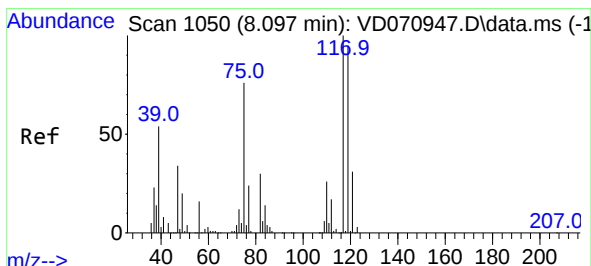
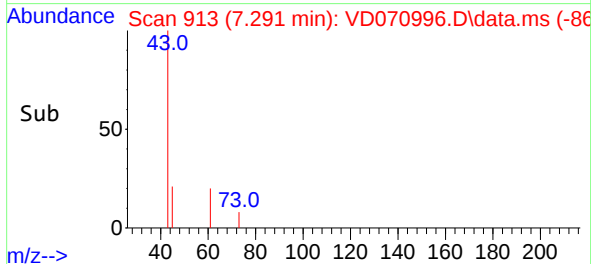
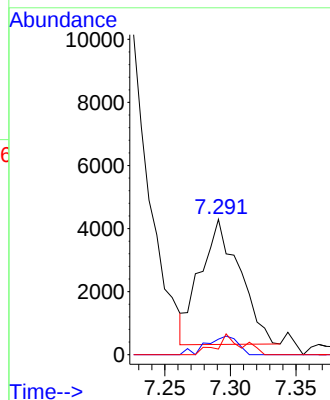
Tgt Ion: 43 Resp: 8285

Ion Ratio Lower Upper

43 100

61 11.7 13.0 19.6#

70 10.6 8.7 13.1



#38

Carbon Tetrachloride

Concen: 7.399 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD070996.D

Acq: 11 Nov 2021 17:24

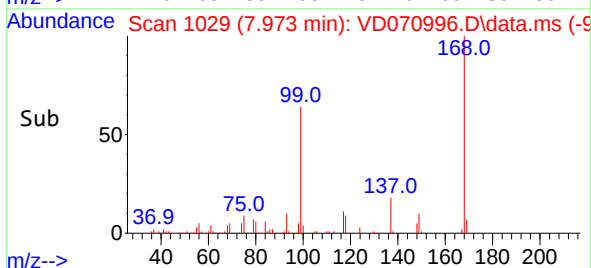
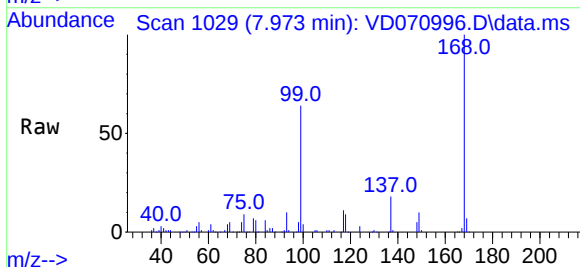
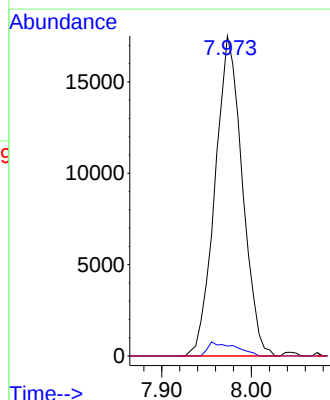
Tgt Ion: 117 Resp: 36961

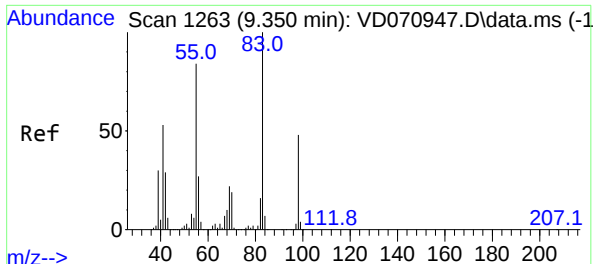
Ion Ratio Lower Upper

117 100

119 3.1 75.8 113.6#

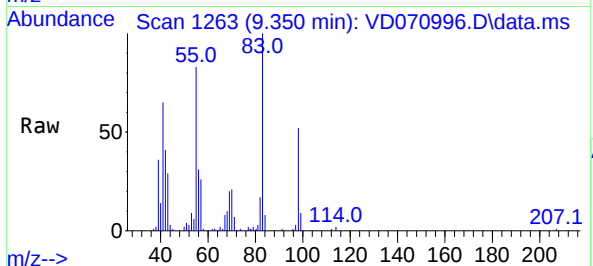
121 0.0 23.6 35.4#



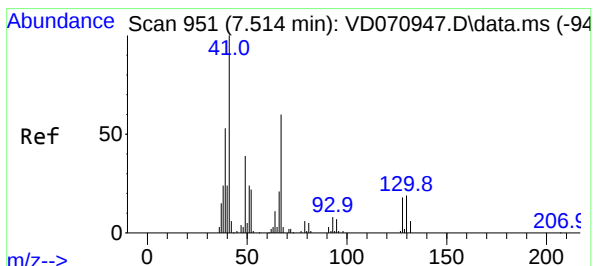
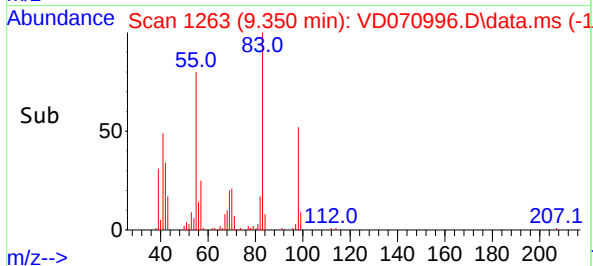
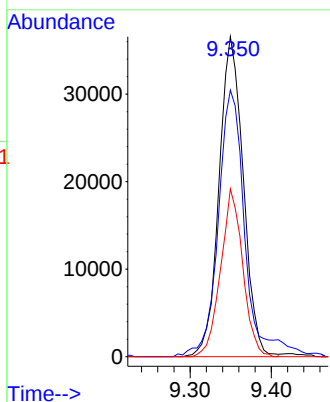


#39
Methylcyclohexane
Concen: 10.804 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

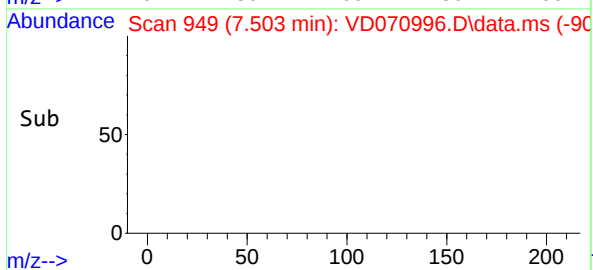
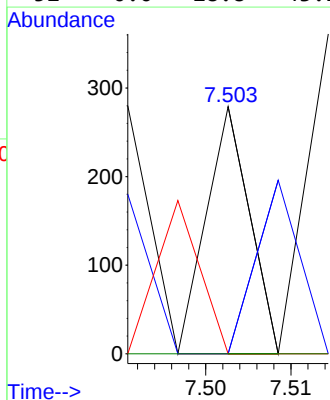
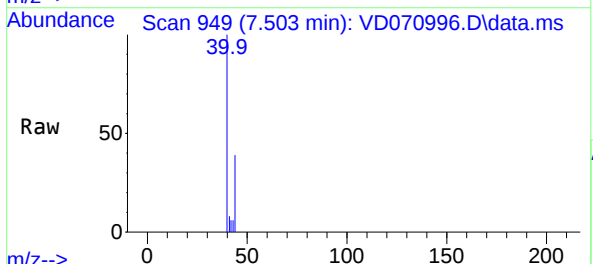


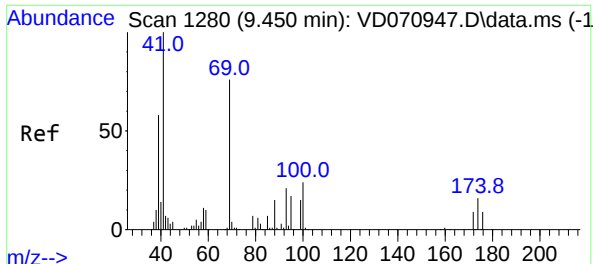
Tgt Ion: 83 Resp: 75688
Ion Ratio Lower Upper
83 100
55 82.4 65.8 98.8
98 52.5 38.7 58.1



#41
Methacrylonitrile
Concen: 3.556 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.011 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 41 Resp: 98
Ion Ratio Lower Upper
41 100
39 70.4 60.2 90.4
67 62.2 74.8 112.2#
52 0.0 28.8 43.2#





#48

Methyl methacrylate

Concen: 7.026 ug/l

RT: 9.414 min Scan# 11

Delta R.T. -0.036 min

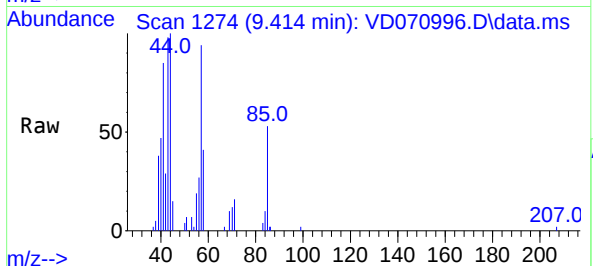
Lab File: VD070996.D

Acq: 11 Nov 2021 17:24

Instrument :

MSVOA_D

ClientSampleId :



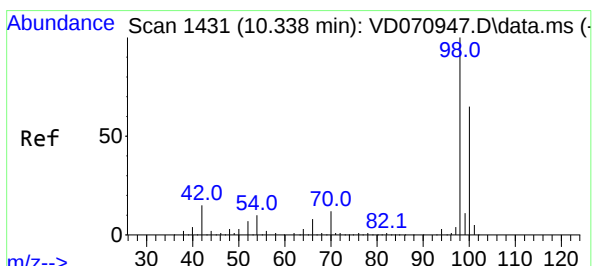
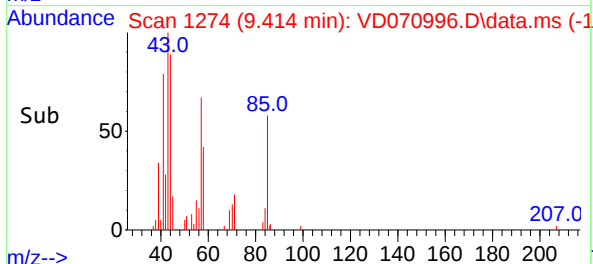
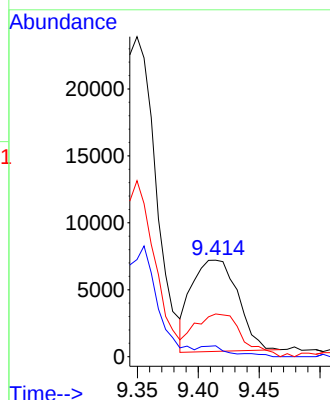
Tgt Ion: 41 Resp: 18051

Ion Ratio Lower Upper

41 100

69 7.9 69.8 104.6#

39 48.5 35.6 53.4



#50

Toluene-d8

Concen: 58.444 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD070996.D

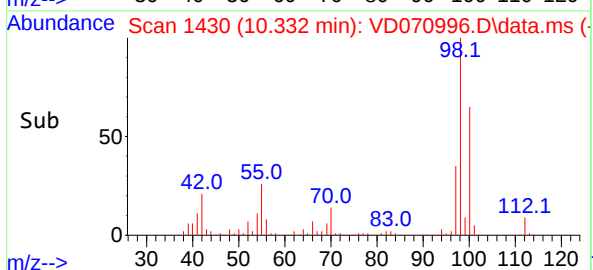
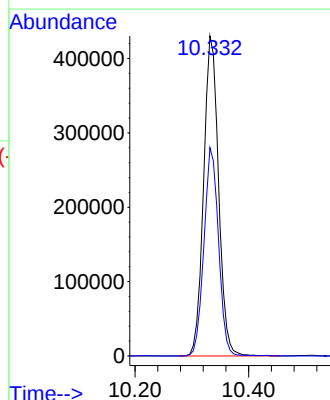
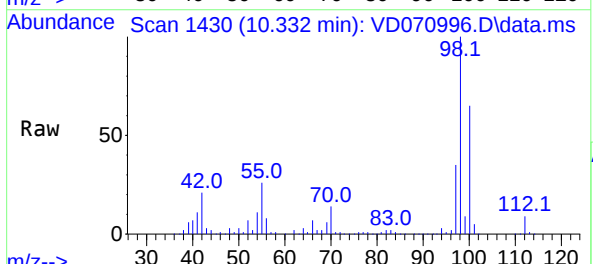
Acq: 11 Nov 2021 17:24

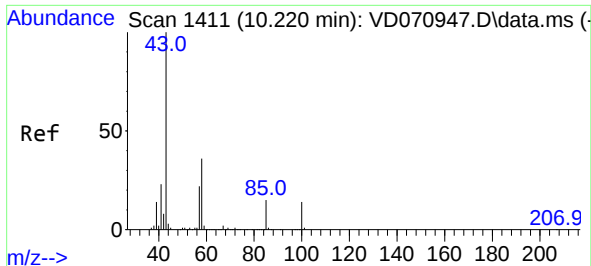
Tgt Ion: 98 Resp: 784642

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.6

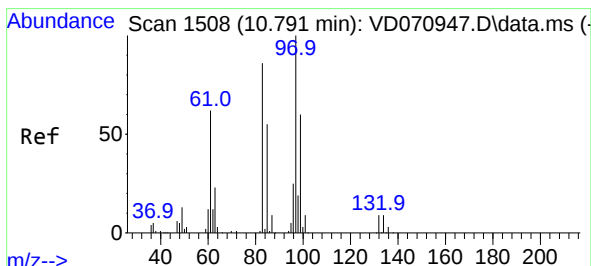
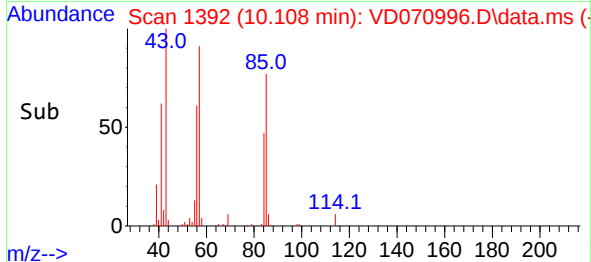
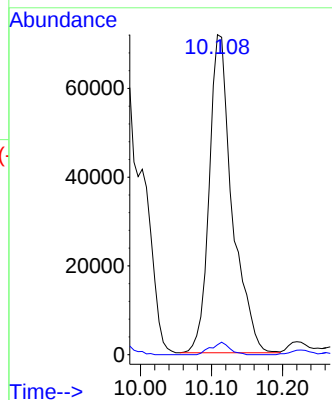
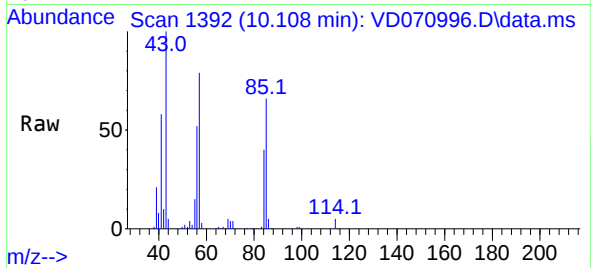




#51
4-Methyl-2-Pentanone
Concen: 63.681 ug/l
RT: 10.108 min Scan# 11
Delta R.T. -0.112 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

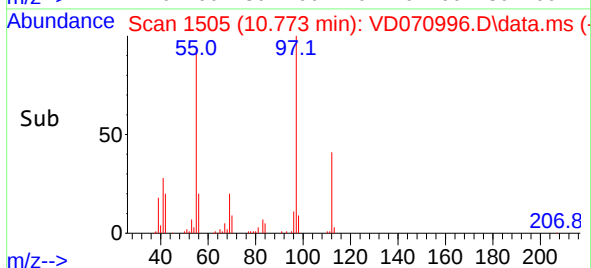
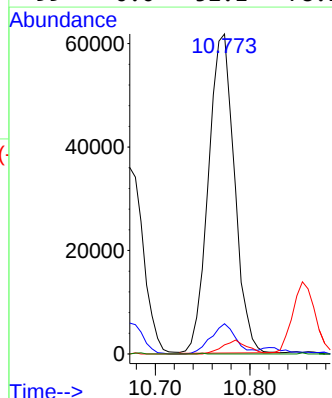
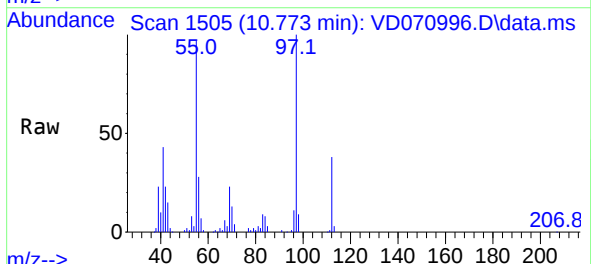
Instrument :
MSVOA_D
ClientSampleId :

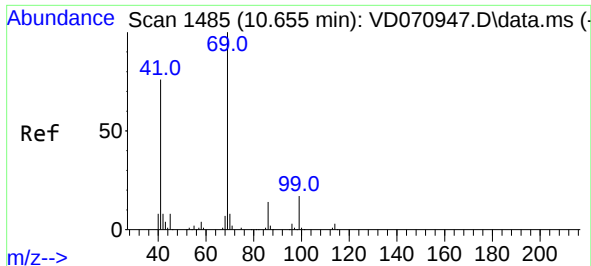
Tgt Ion: 43 Resp: 161699
Ion Ratio Lower Upper
43 100
58 3.2 33.1 49.7#



#55
1,1,2-Trichloroethane
Concen: 43.553 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 97 Resp: 117708
Ion Ratio Lower Upper
97 100
83 9.5 65.2 97.8#
85 2.9 43.4 65.0#
99 0.0 52.1 78.1#

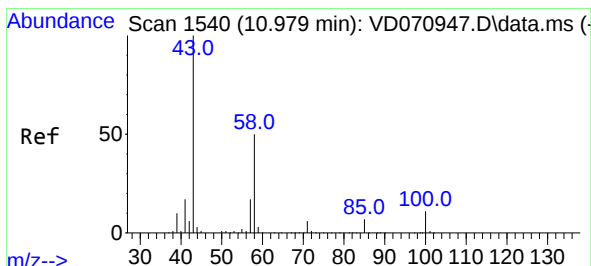
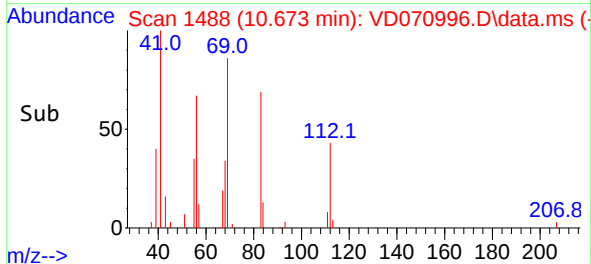
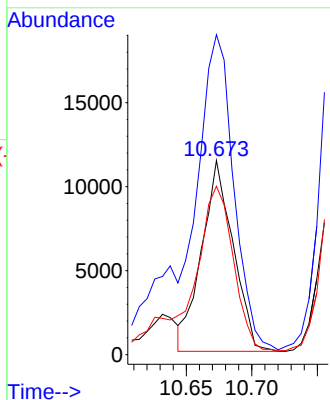
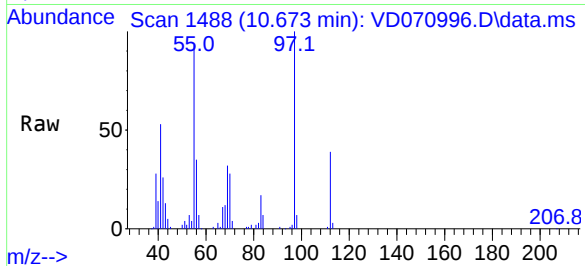




#56
Ethyl methacrylate
Concen: 4.969 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

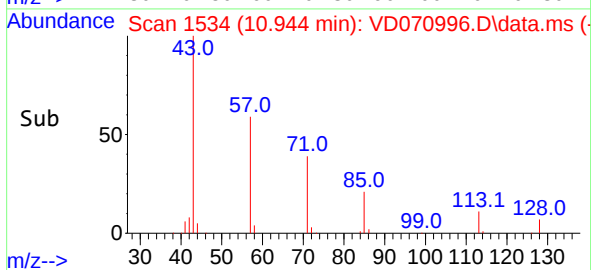
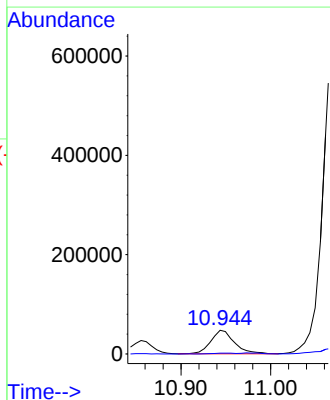
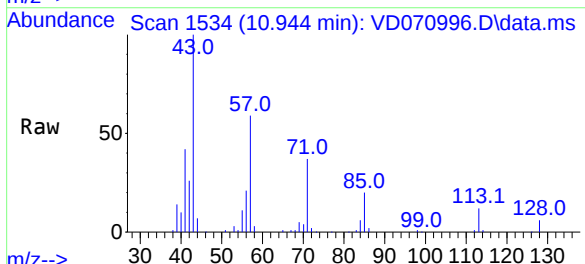
Instrument :
MSVOA_D
ClientSampleId :

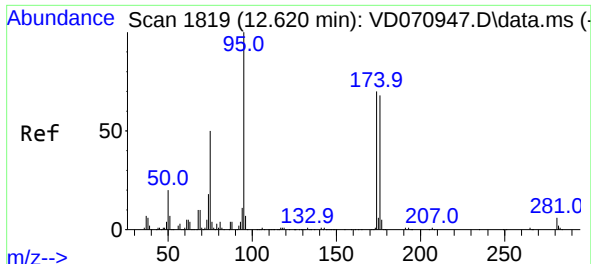
Tgt Ion: 69 Resp: 19001
Ion Ratio Lower Upper
69 100
41 235.7 50.2 75.2#
39 114.5 19.8 29.8#



#59
2-Hexanone
Concen: 56.278 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

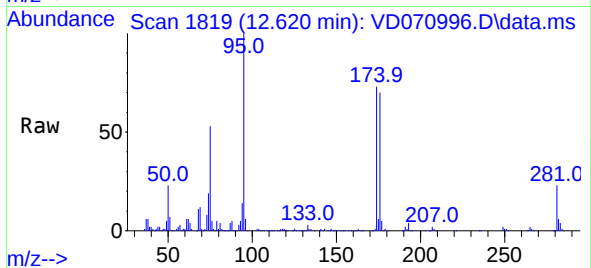
Tgt Ion: 43 Resp: 85560
Ion Ratio Lower Upper
43 100
58 3.2 28.7 86.1#



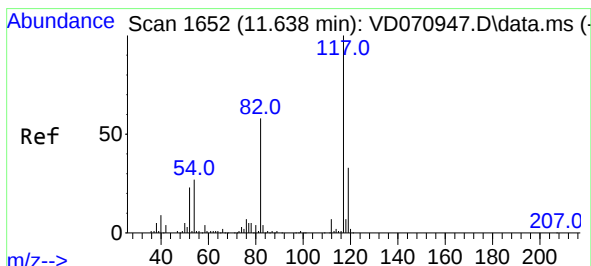
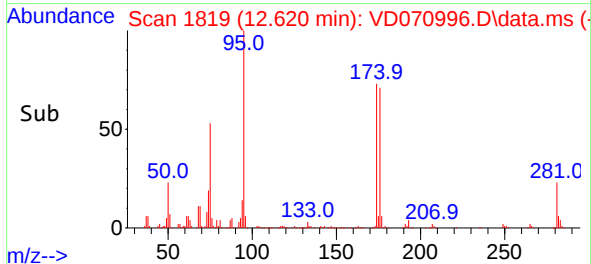
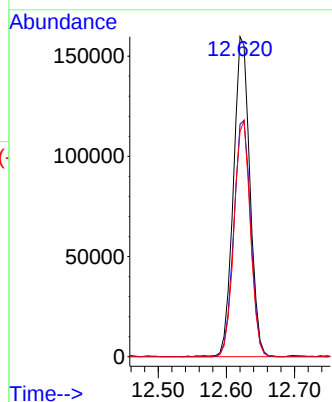


#62
4-Bromofluorobenzene
Concen: 55.661 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

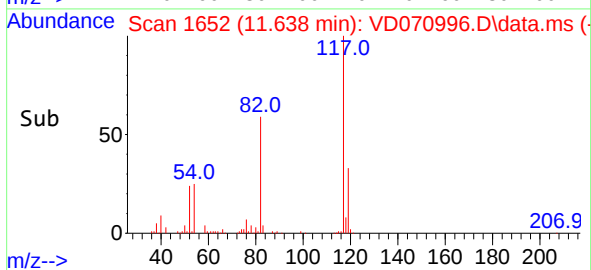
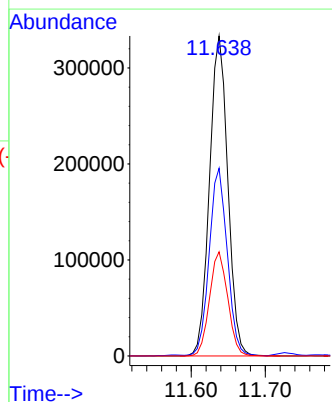
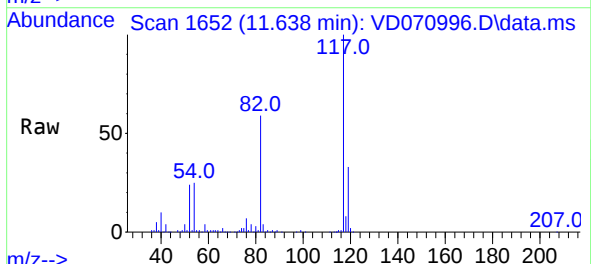


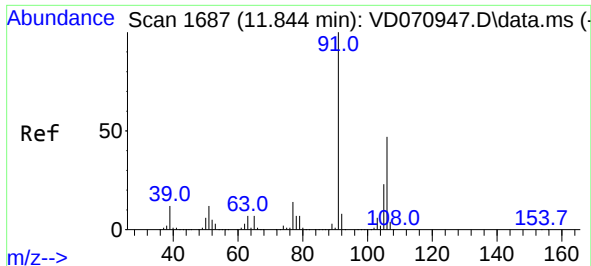
Tgt Ion: 95 Resp: 269068
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 72.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 117 Resp: 572275
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 32.6 26.2 39.4

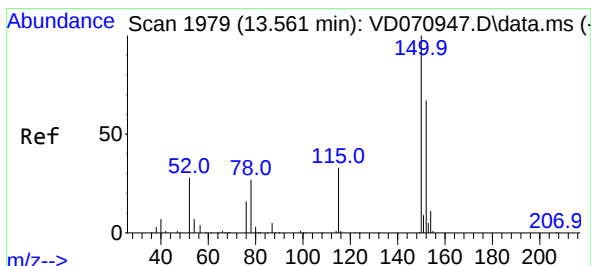
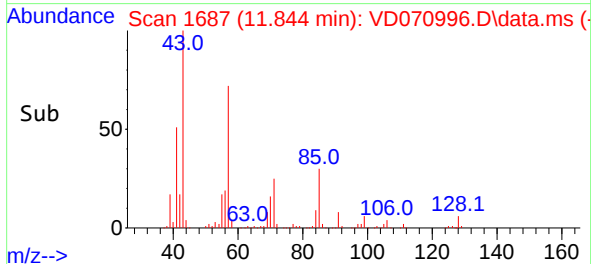
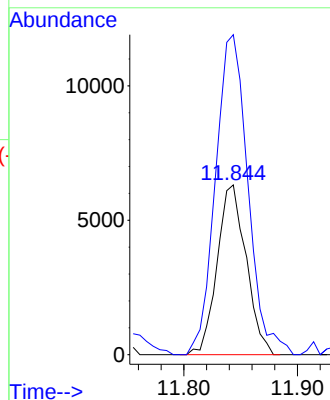
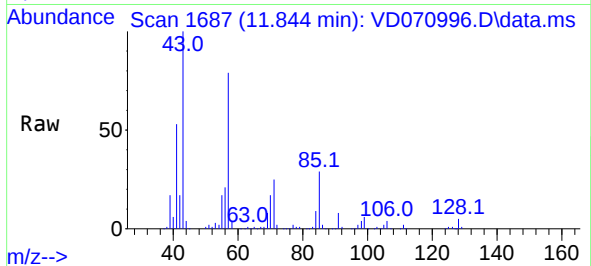




#68
m/p-Xylenes
Concen: 1.549 ug/l
RT: 11.844 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

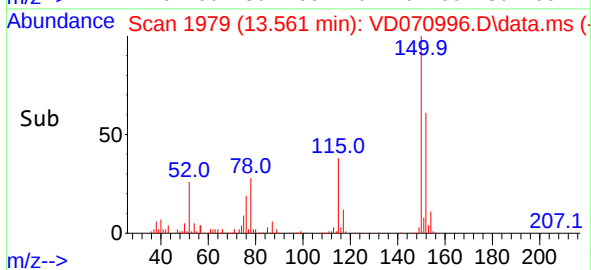
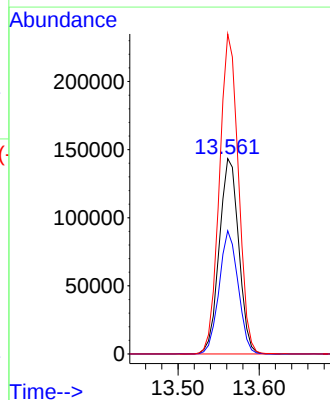
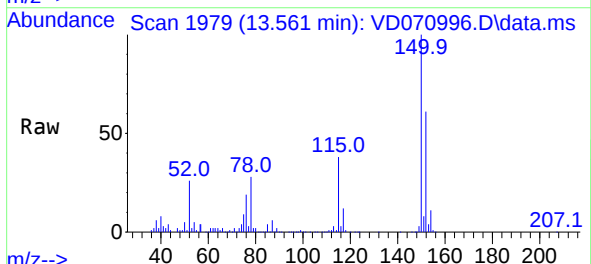
Instrument :
MSVOA_D
ClientSampleId :

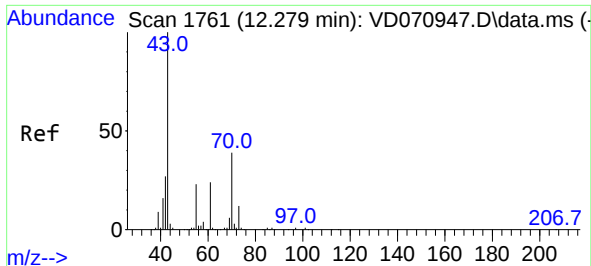
Tgt Ion:106 Resp: 11194
Ion Ratio Lower Upper
106 100
91 210.9 160.1 240.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

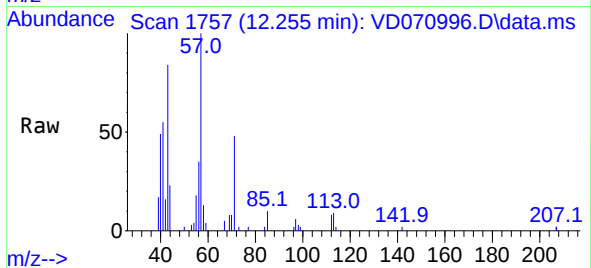
Tgt Ion:152 Resp: 239465
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 159.4 0.0 349.2



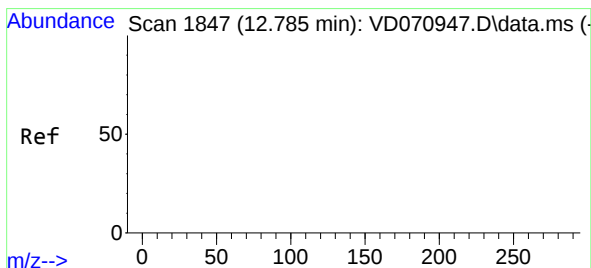
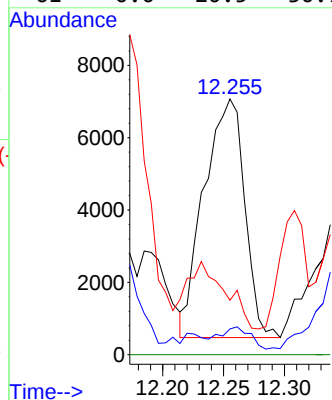
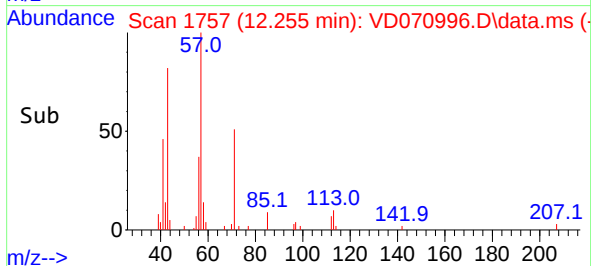


#74
N-amy1 acetate
Concen: 3.098 ug/l
RT: 12.255 min Scan# 1819
Delta R.T. -0.024 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :

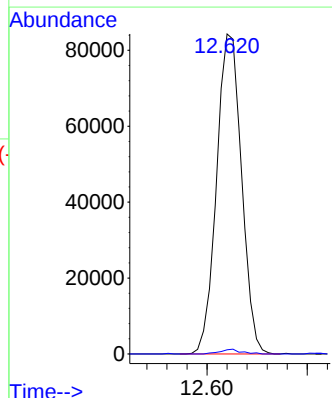
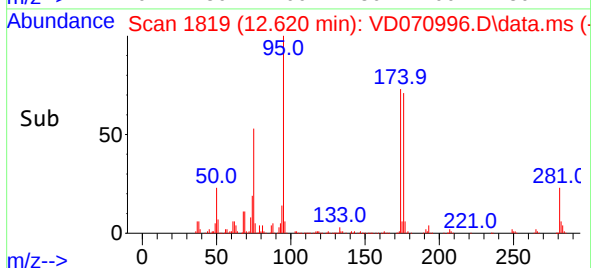
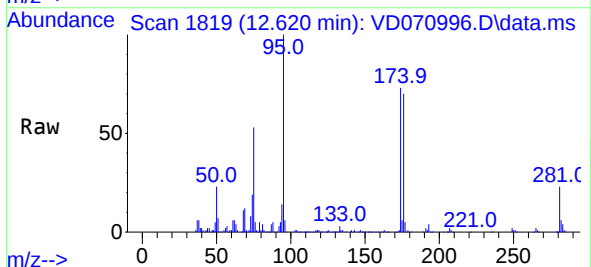


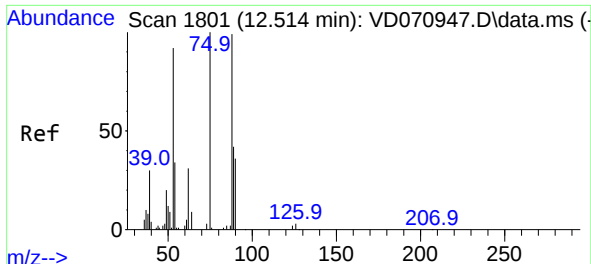
Tgt Ion: 43 Resp: 15267
Ion Ratio Lower Upper
43 100
70 6.8 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 71.250 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

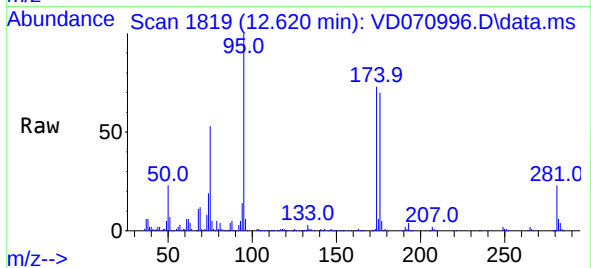
Tgt Ion: 75 Resp: 145743
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



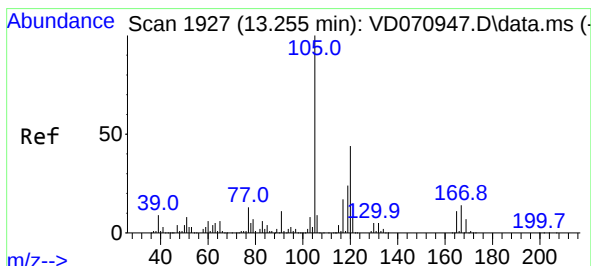
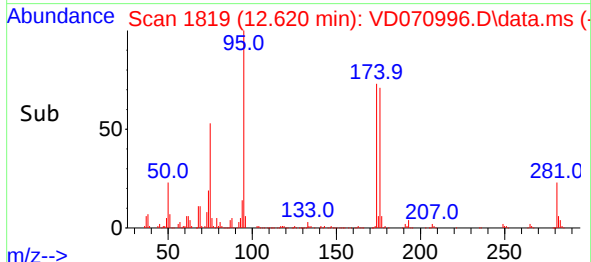
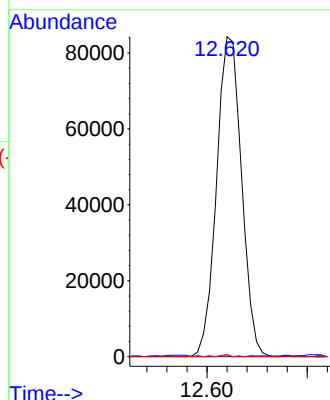


#81
trans-1,4-Dichloro-2-butene
Concen: 131.396 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 145743
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.3 34.5 51.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.371 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD070996.D
Acq: 11 Nov 2021 17:24

Tgt Ion: 105 Resp: 19069
Ion Ratio Lower Upper
105 100
120 42.9 22.9 68.7

