

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070970.D
 Acq On : 10 Nov 2021 15:13
 Operator : VA/SY
 Sample : M4523-06
 Misc : 5.04/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:29:16 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)

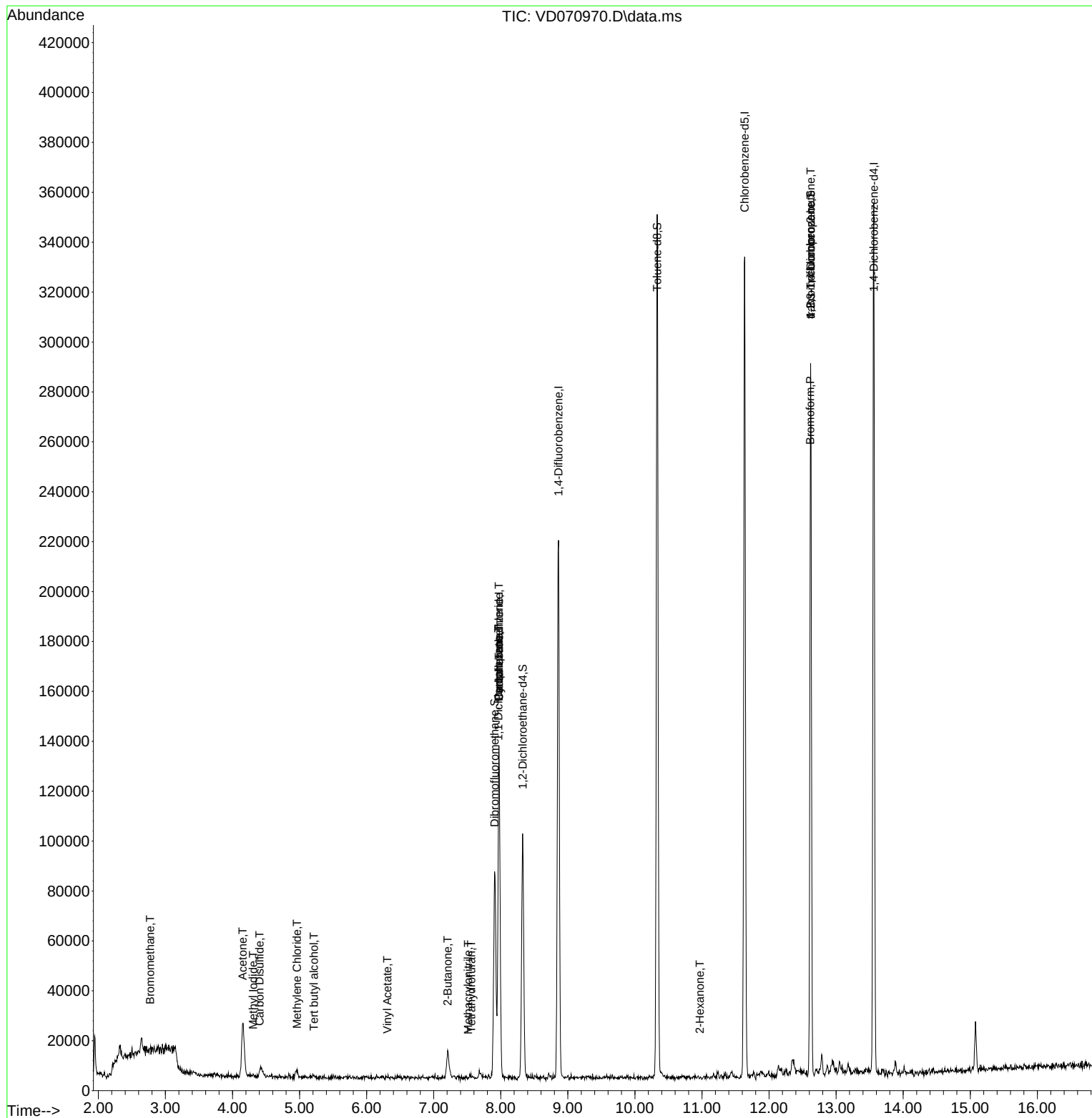
Internal Standards						
1) Pentafluorobenzene	7.973	168	92772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	181489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	182921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	88000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	74000	74.918	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 149.840%			
35) Dibromofluoromethane	7.908	113	58826	57.441	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.880%			
50) Toluene-d8	10.332	98	229845	57.309	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.620%			
62) 4-Bromofluorobenzene	12.620	95	90580	62.725	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.460%			
Target Compounds						Qvalue
5) Bromomethane	2.773	94	689	1.114	ug/l #	61
10) Methyl Iodide	4.309	142	771	6.652	ug/l #	54
11) Tert butyl alcohol	5.214	59	252	3.491	ug/l #	71
13) Acrolein	3.867	56	55	Below Cal	#	1
16) Acetone	4.150	43	38807	153.759	ug/l #	84
17) Carbon Disulfide	4.403	76	3523	1.239	ug/l #	73
20) Methylene Chloride	4.962	84	1675	1.076	ug/l #	86
23) Vinyl Acetate	6.308	43	318	21.132	ug/l #	72
25) 2-Butanone	7.208	43	17429	66.809	ug/l #	88
29) Tetrahydrofuran	7.561	42	204	1.016	ug/l #	34
31) Cyclohexane	7.973	56	2813	1.385	ug/l #	15
36) 1,1-Dichloropropene	7.967	75	7861	4.851	ug/l #	48
38) Carbon Tetrachloride	7.973	117	9496	6.364	ug/l #	16
41) Methacrylonitrile	7.514	41	304	4.025	ug/l #	44
59) 2-Hexanone	10.967	43	411	16.583	ug/l #	22
71) Bromoform	12.614	173	655	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	48582	64.630	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	48582	119.499	ug/l #	18

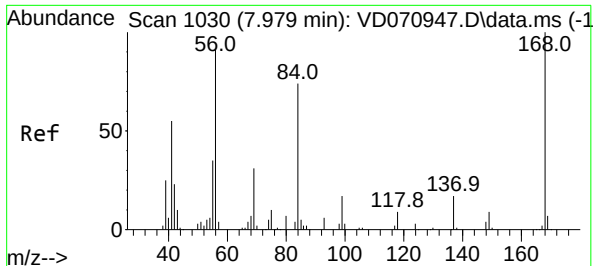
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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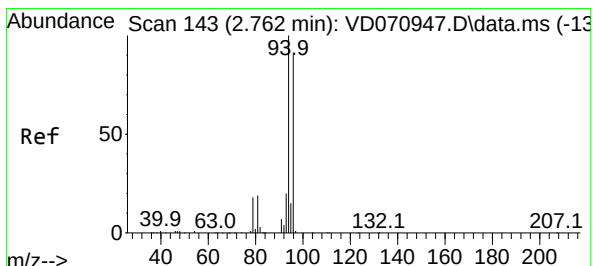
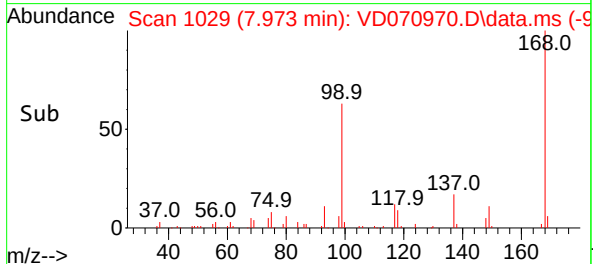
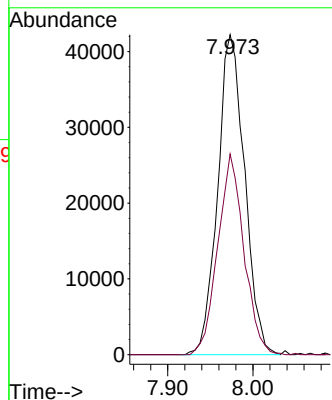
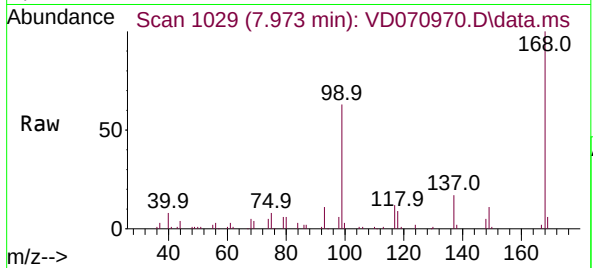




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

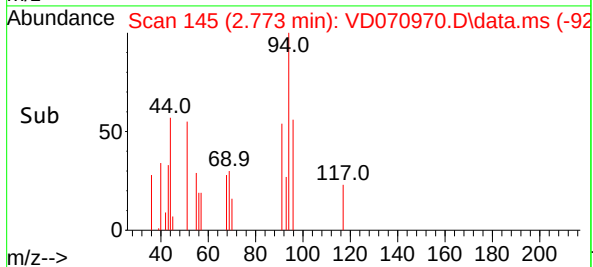
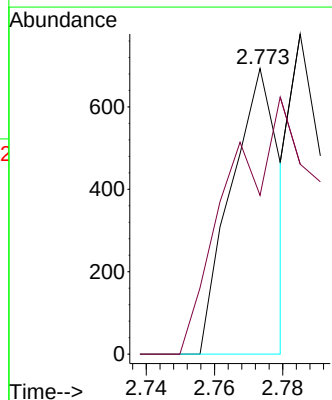
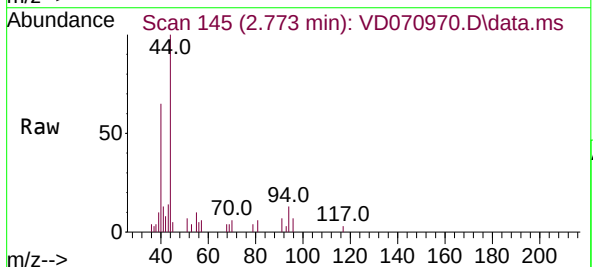
Instrument :
MSVOA_D
ClientSampleId :

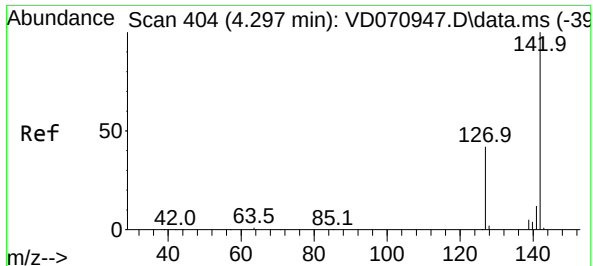
Tgt Ion:168 Resp: 92772
Ion Ratio Lower Upper
168 100
99 62.7 46.6 69.8



#5
Bromomethane
Concen: 1.114 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 94 Resp: 689
Ion Ratio Lower Upper
94 100
96 55.6 74.8 112.2#

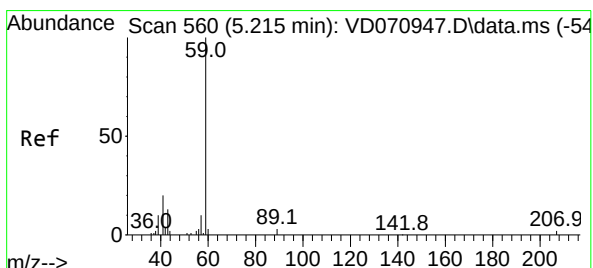
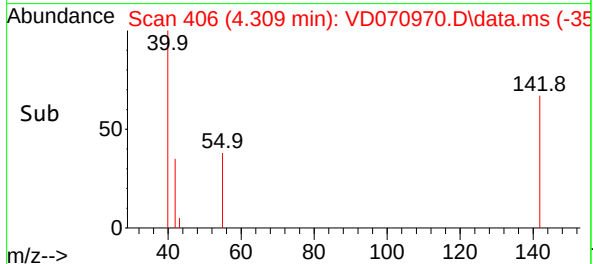
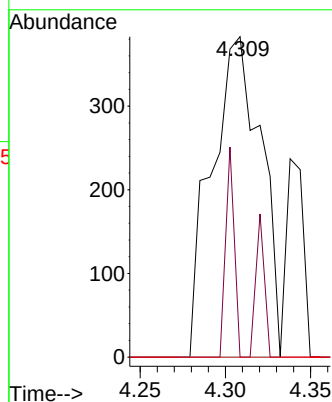
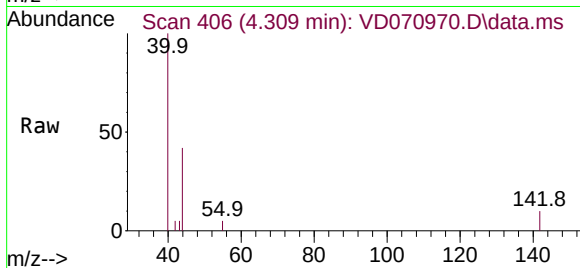




#10
Methyl Iodide
Concen: 6.652 ug/l
RT: 4.309 min Scan# 404
Delta R.T. 0.012 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

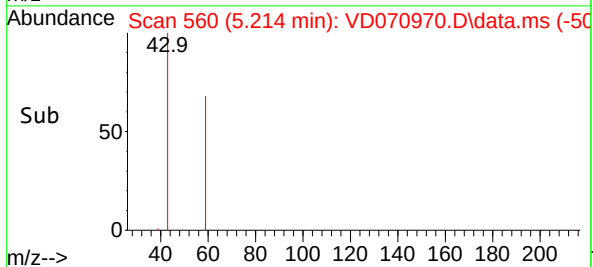
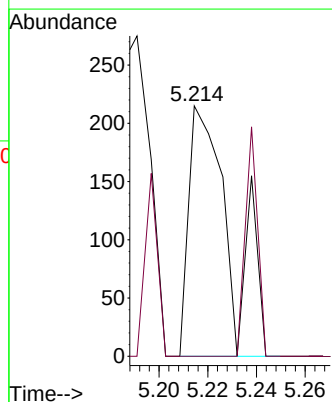
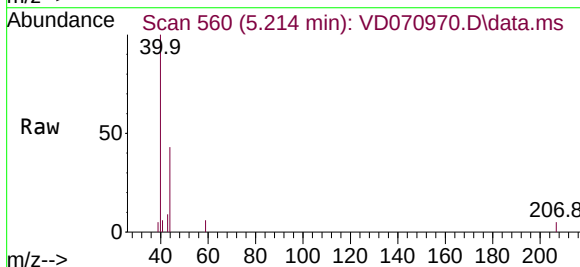
Instrument :
MSVOA_D
ClientSampleId :

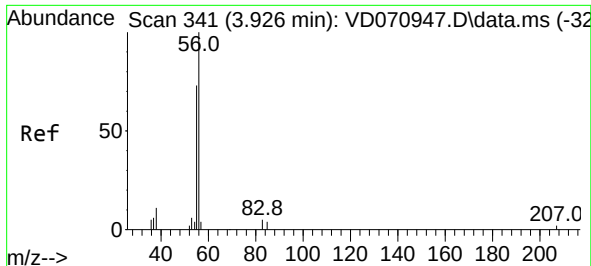
Tgt Ion:142 Resp: 771
Ion Ratio Lower Upper
142 100
127 11.5 35.0 52.4#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.491 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.001 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

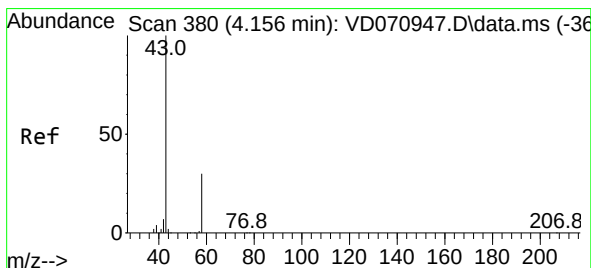
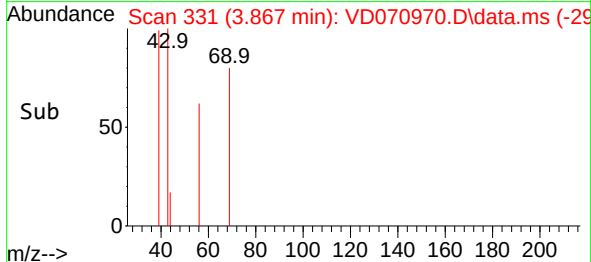
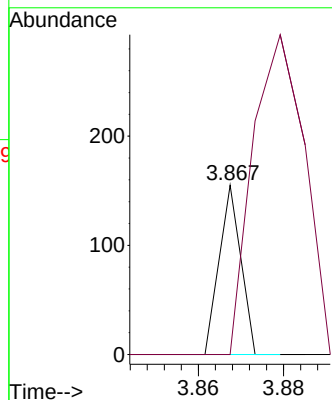
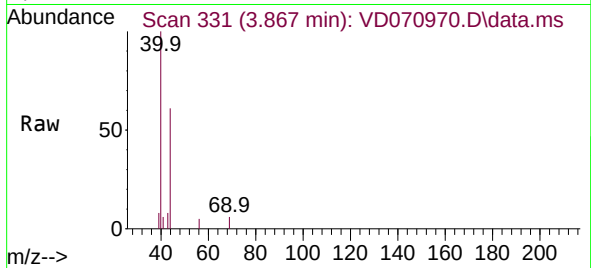




#13
Acrolein
Concen: Below Cal
RT: 3.867 min Scan# 31
Delta R.T. -0.059 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

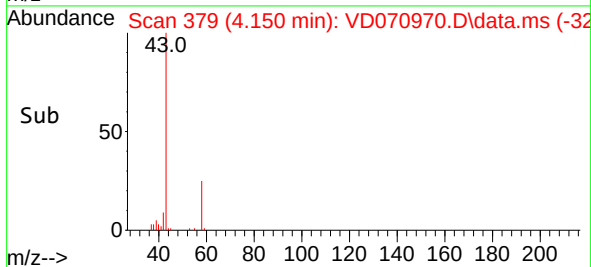
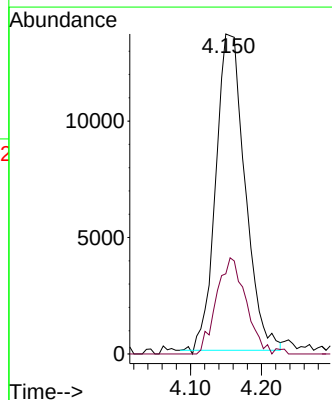
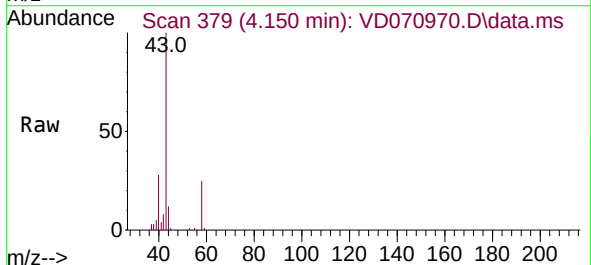
Instrument :
MSVOA_D
ClientSampleId :

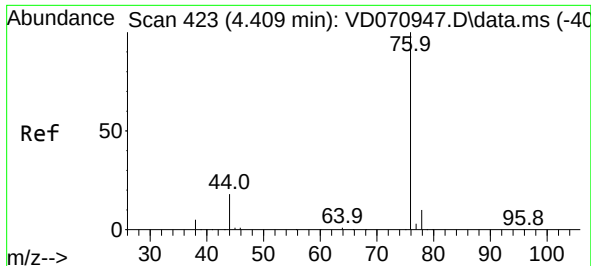
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 449.1 58.6 87.8#



#16
Acetone
Concen: 153.759 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 43 Resp: 38807
Ion Ratio Lower Upper
43 100
58 25.3 27.8 41.8#

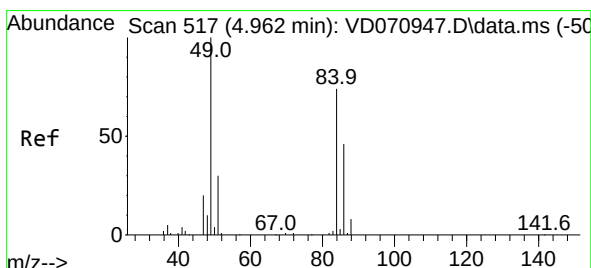
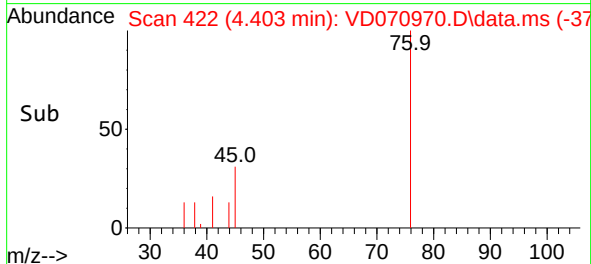
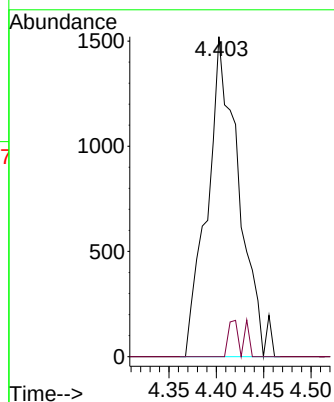
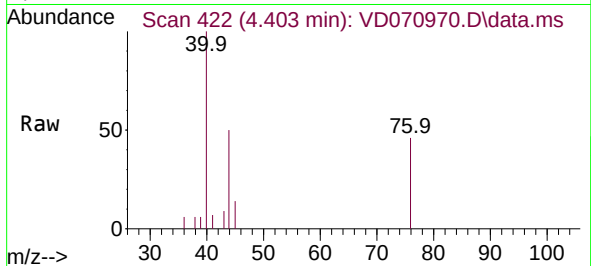




#17
Carbon Disulfide
Concen: 1.239 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

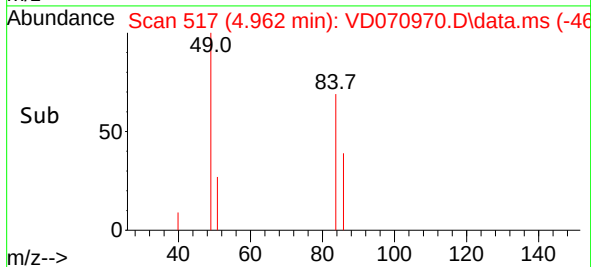
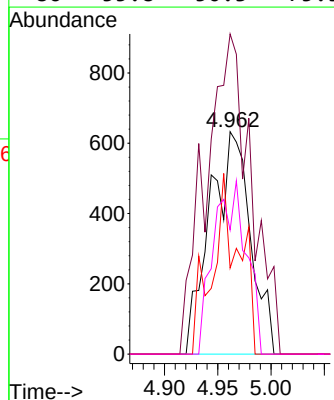
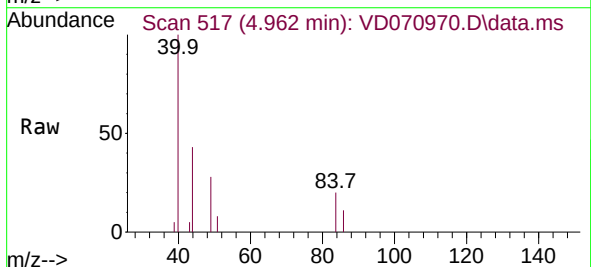
Instrument :
MSVOA_D
ClientSampleId :

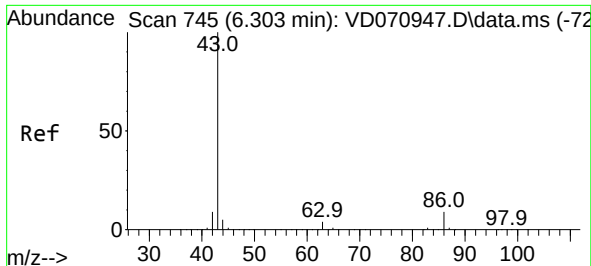
Tgt Ion: 76 Resp: 3523
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#20
Methylene Chloride
Concen: 1.076 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 84 Resp: 1675
Ion Ratio Lower Upper
84 100
49 143.9 95.8 143.6#
51 38.7 30.9 46.3
86 55.8 50.3 75.5

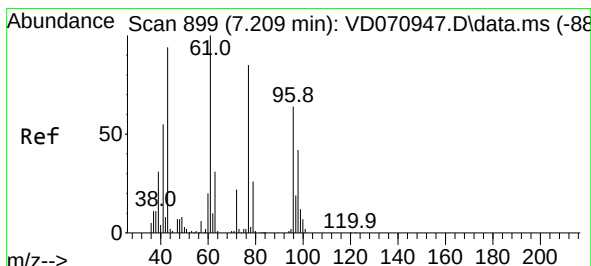
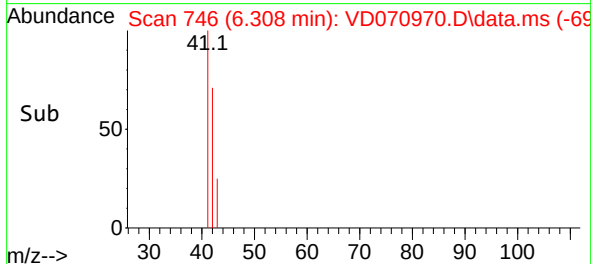
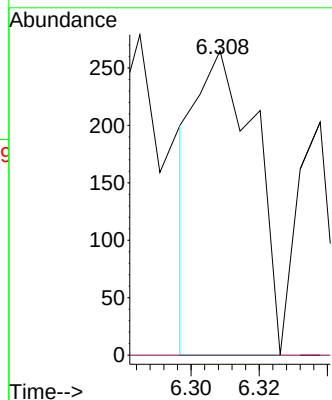
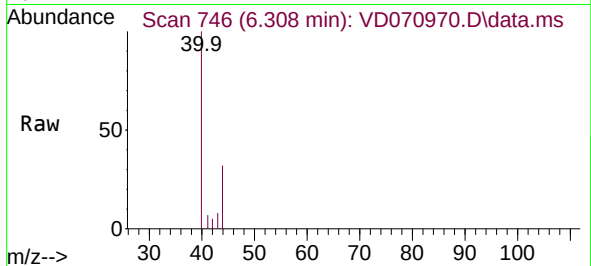




#23
 Vinyl Acetate
 Concen: 21.132 ug/l
 RT: 6.308 min Scan# 745
 Delta R.T. 0.005 min
 Lab File: VD070970.D
 Acq: 10 Nov 2021 15:13

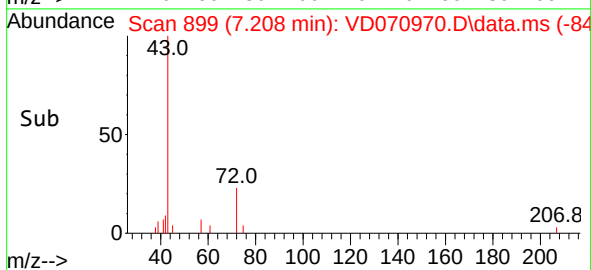
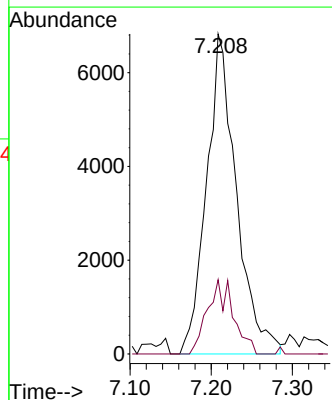
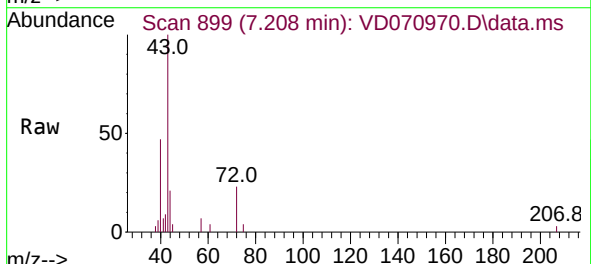
Instrument :
 MSVOA_D
 ClientSampleId :

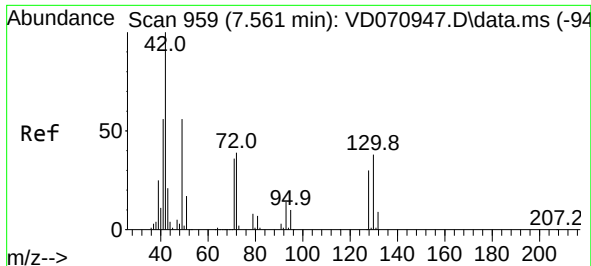
Tgt Ion: 43 Resp: 318
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 66.809 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.001 min
 Lab File: VD070970.D
 Acq: 10 Nov 2021 15:13

Tgt Ion: 43 Resp: 17429
 Ion Ratio Lower Upper
 43 100
 72 23.2 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.016 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

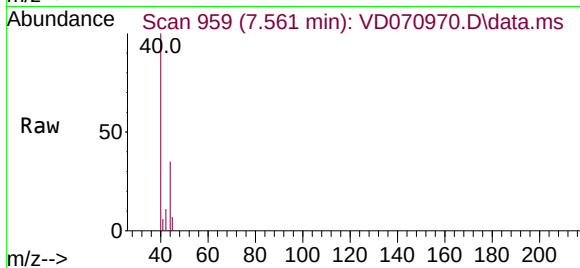
Lab File: VD070970.D

Acq: 10 Nov 2021 15:13

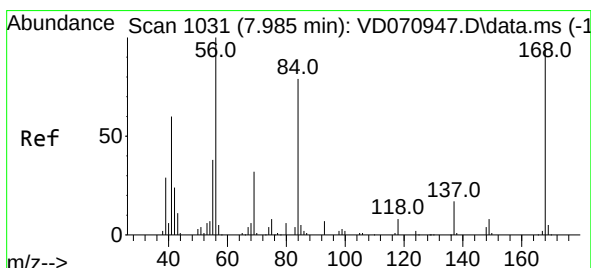
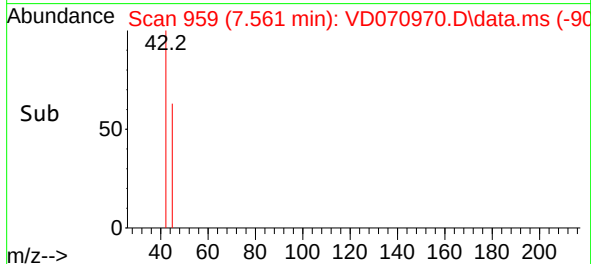
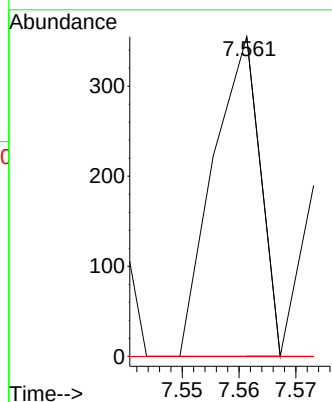
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 204
Ion Ratio	Lower Upper
42 100	
72 0.0	33.7 50.5#
71 0.0	32.7 49.1#



#31

Cyclohexane

Concen: 1.385 ug/l

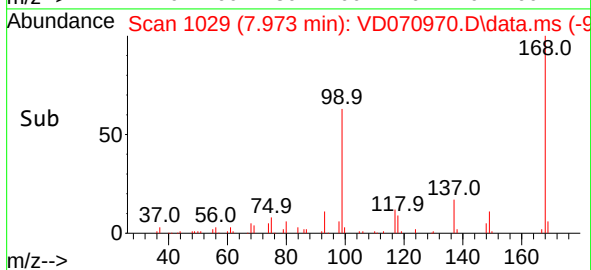
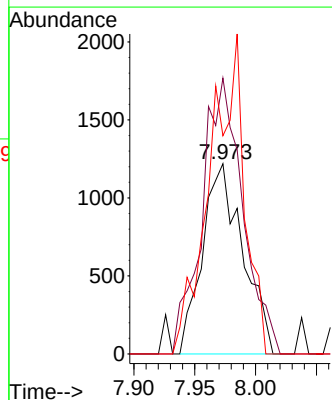
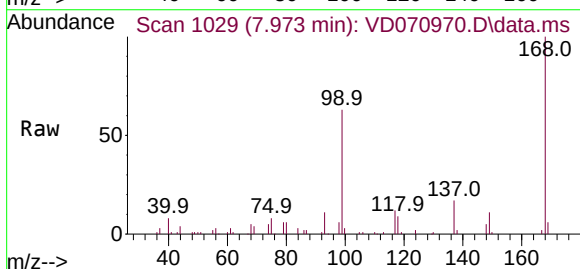
RT: 7.973 min Scan# 1029

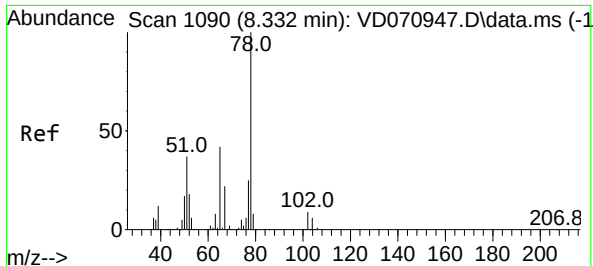
Delta R.T. -0.012 min

Lab File: VD070970.D

Acq: 10 Nov 2021 15:13

Tgt Ion: 56	Resp: 2813		
Ion Ratio	Lower	Upper	
56	100		
69	145.0	25.9	38.9#
84	114.8	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 74.918 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD070970.D

Acq: 10 Nov 2021 15:13

Instrument :

MSVOA_D

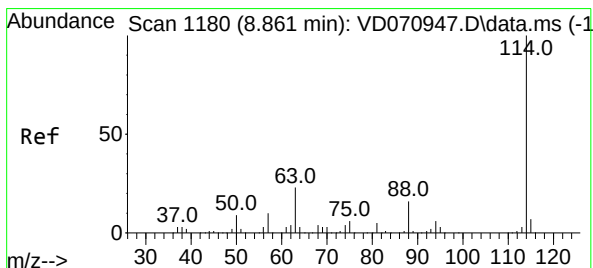
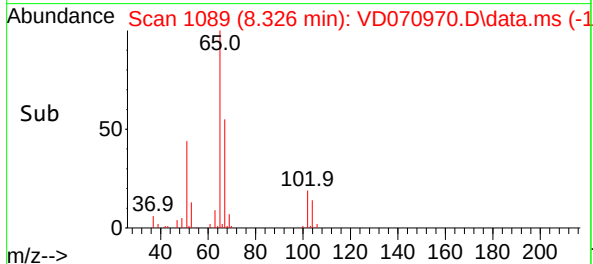
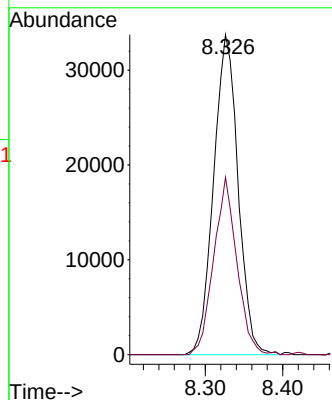
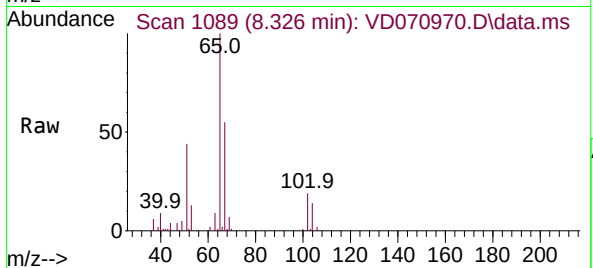
ClientSampleId :

Tgt Ion: 65 Resp: 74000

Ion Ratio Lower Upper

65 100

67 52.6 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: VD070970.D

Acq: 10 Nov 2021 15:13

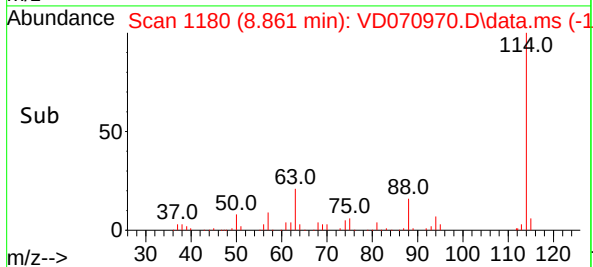
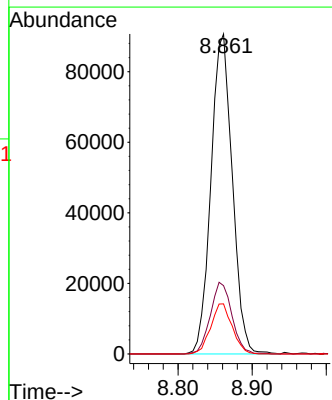
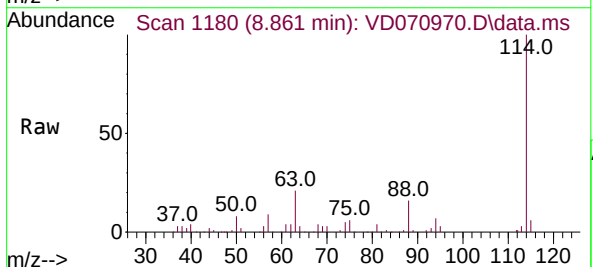
Tgt Ion: 114 Resp: 181489

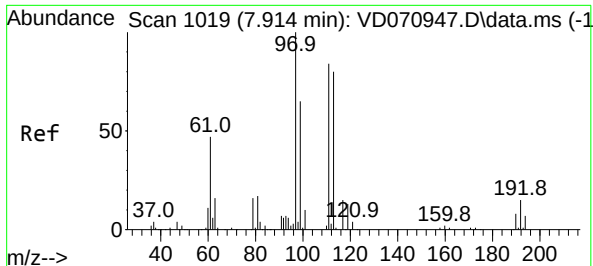
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.441 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070970.D

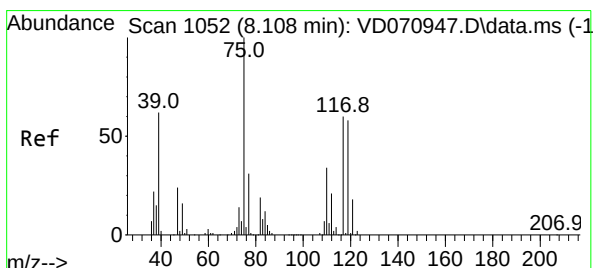
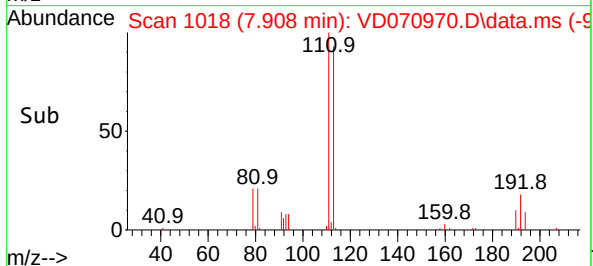
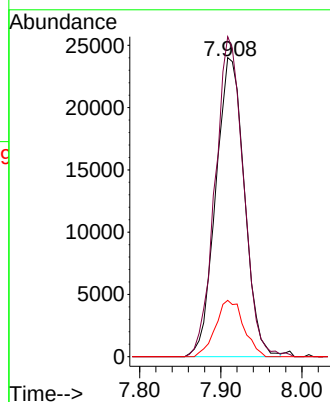
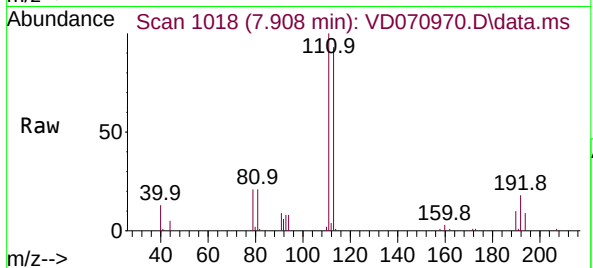
Acq: 10 Nov 2021 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	58826
Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.0	123.0
192	18.5	15.2	22.8



#36

1,1-Dichloropropene

Concen: 4.851 ug/l

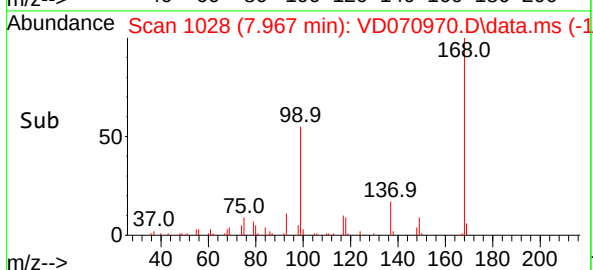
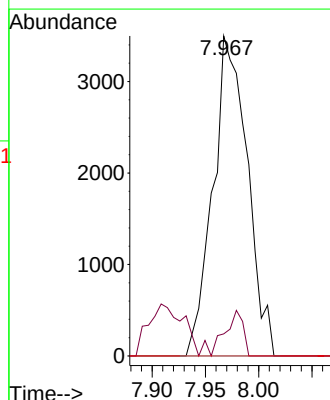
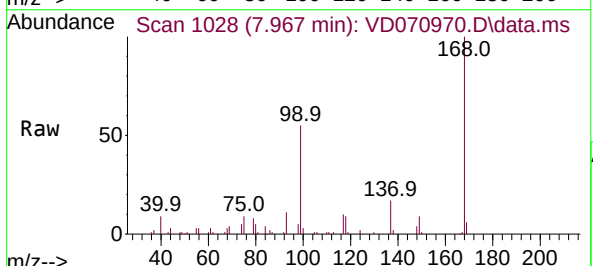
RT: 7.967 min Scan# 1028

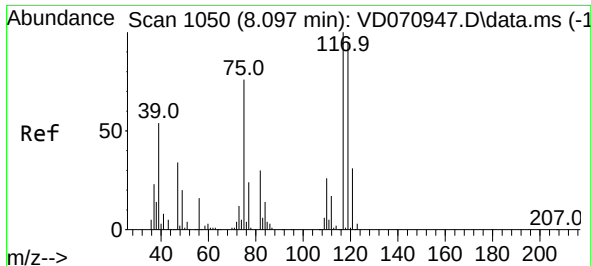
Delta R.T. -0.141 min

Lab File: VD070970.D

Acq: 10 Nov 2021 15:13

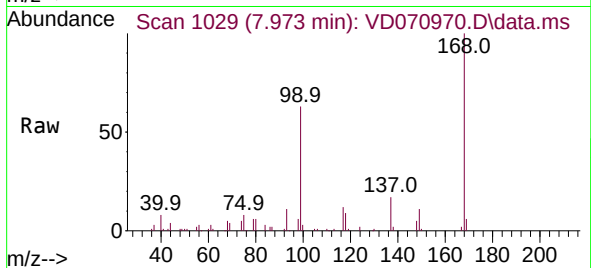
Tgt Ion:	75	Resp:	7861
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.8	53.4#
77	0.0	24.8	37.2#



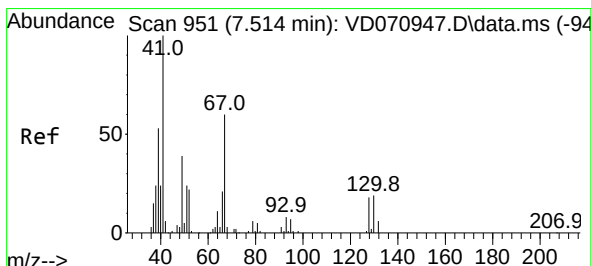
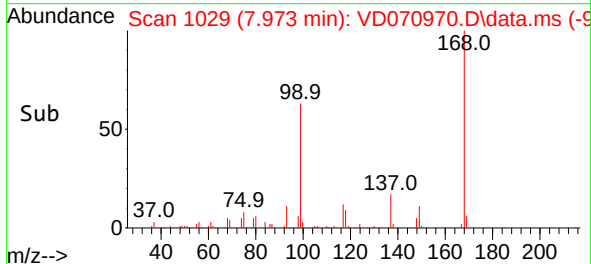
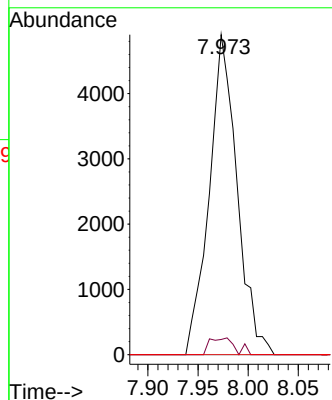


#38
Carbon Tetrachloride
Concen: 6.364 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Instrument :
MSVOA_D
ClientSampleId :

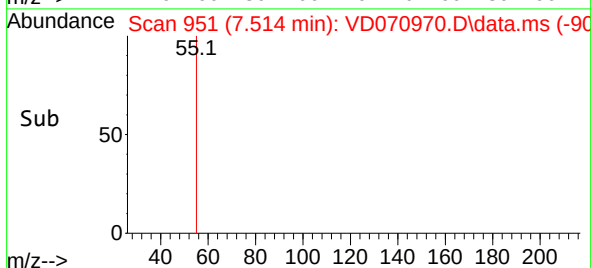
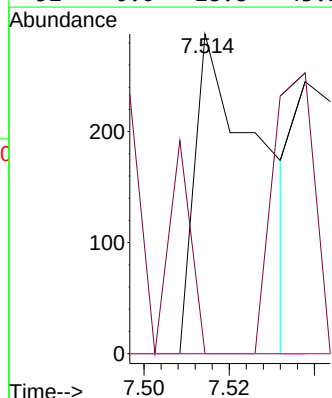
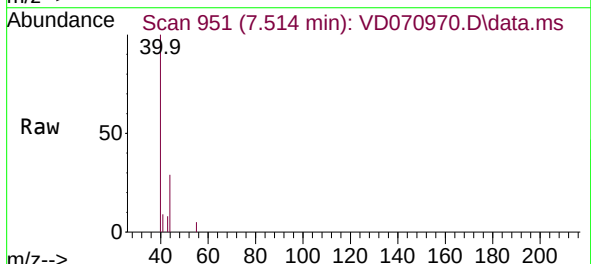


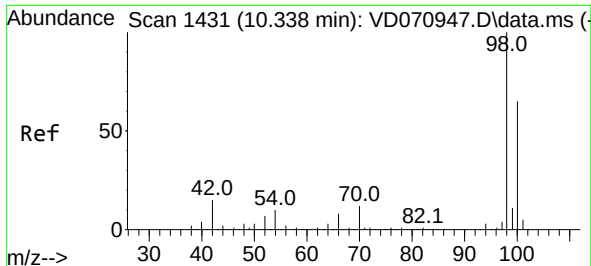
Tgt Ion:117 Resp: 9496
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 4.025 ug/l
RT: 7.514 min Scan# 951
Delta R.T. 0.000 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 41 Resp: 304
Ion Ratio Lower Upper
41 100
39 74.0 60.2 90.4
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

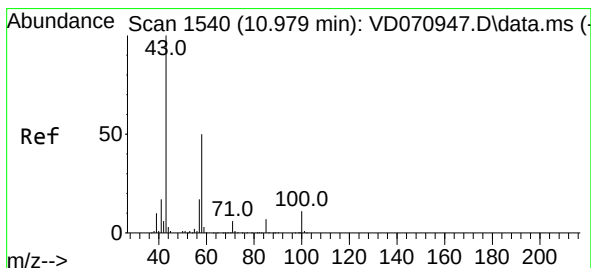
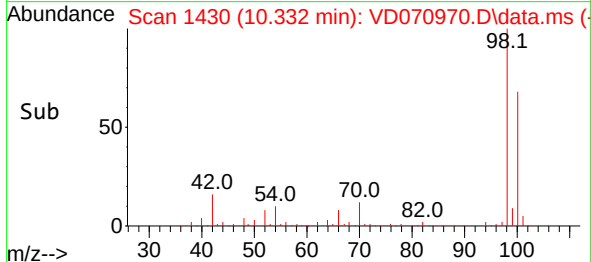
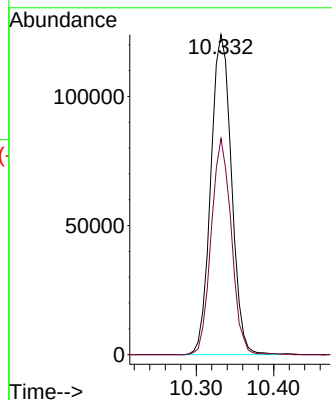
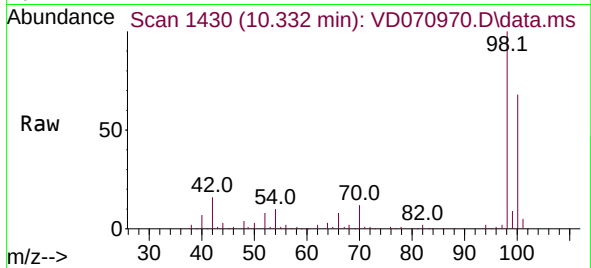




#50
Toluene-d8
Concen: 57.309 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

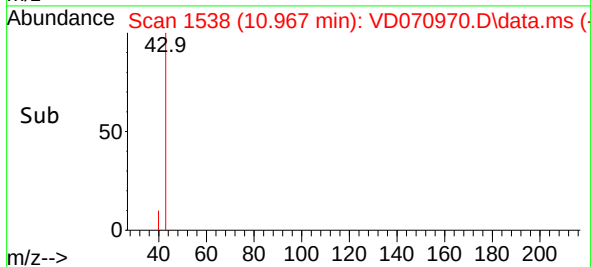
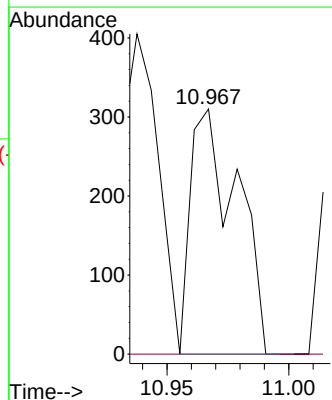
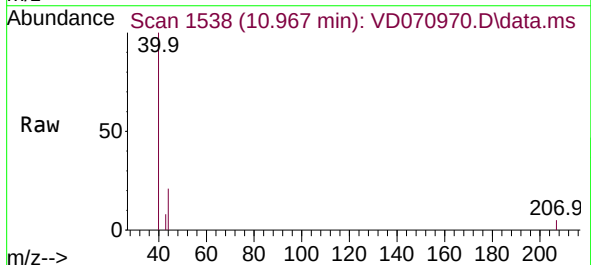
Instrument :
MSVOA_D
ClientSampleId :

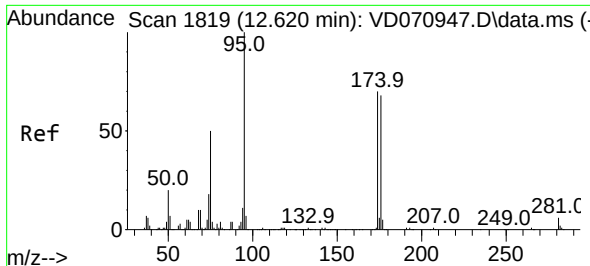
Tgt Ion: 98 Resp: 229845
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#59
2-Hexanone
Concen: 16.583 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

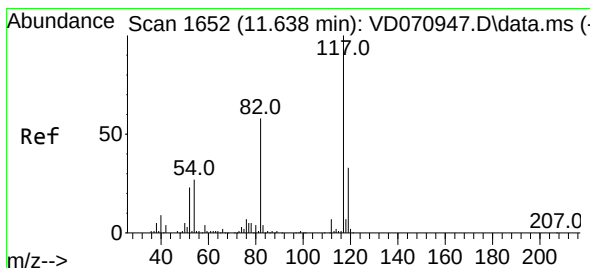
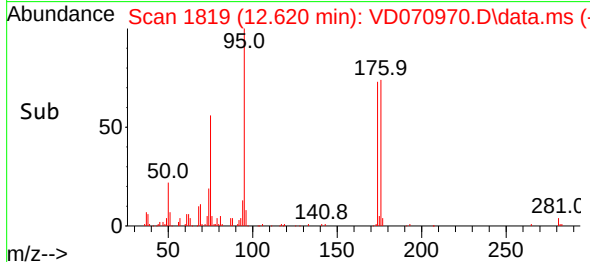
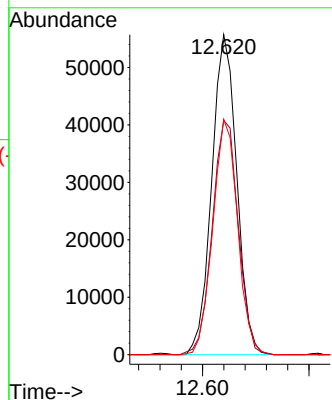
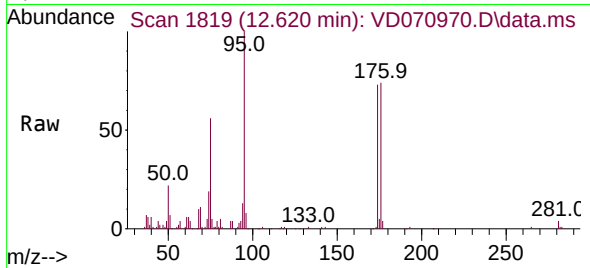




#62
4-Bromofluorobenzene
Concen: 62.725 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

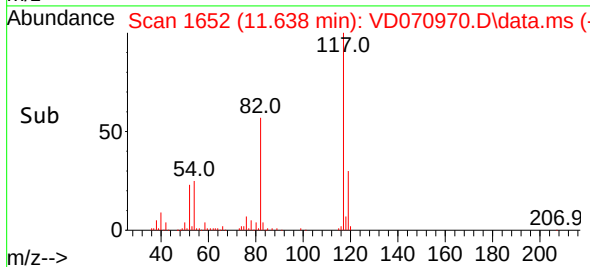
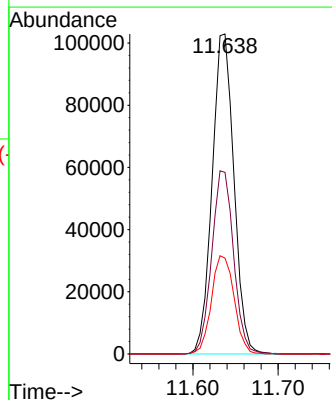
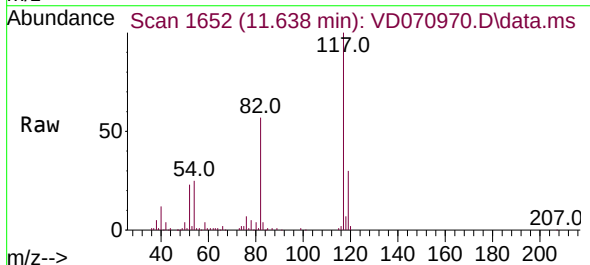
Instrument :
MSVOA_D
ClientSampleId :

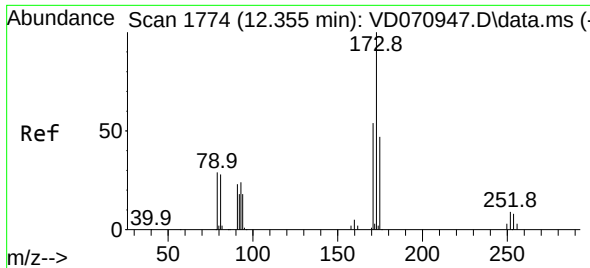
Tgt Ion: 95 Resp: 90580
Ion Ratio Lower Upper
95 100
174 76.1 0.0 159.4
176 73.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 117 Resp: 182921
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 29.9 26.2 39.4

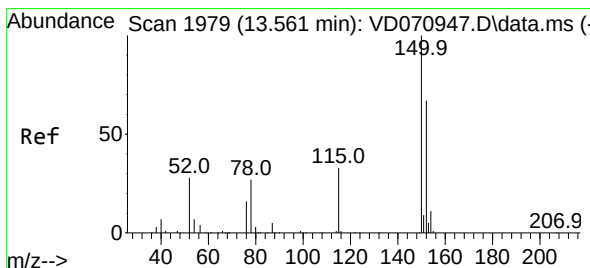
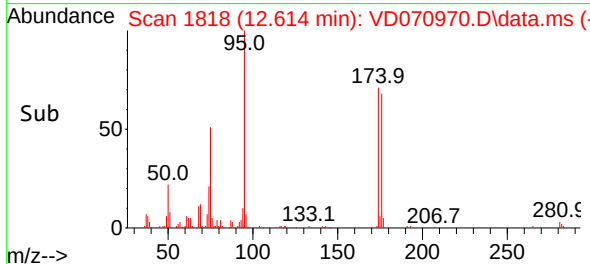
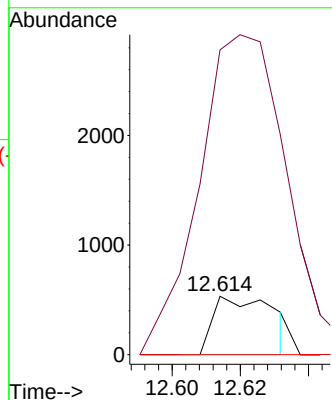
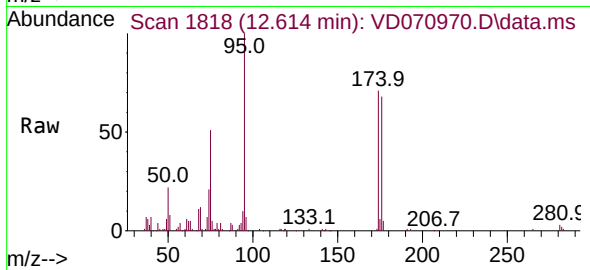




#71
Bromoform
Concen: 1.084 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

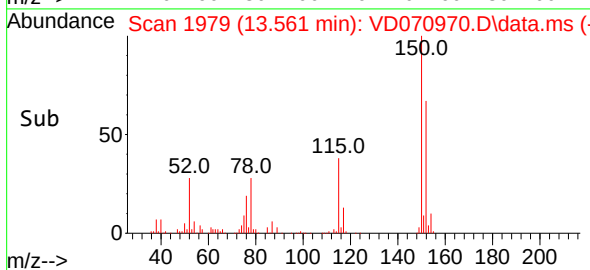
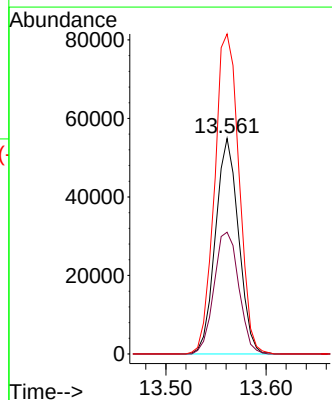
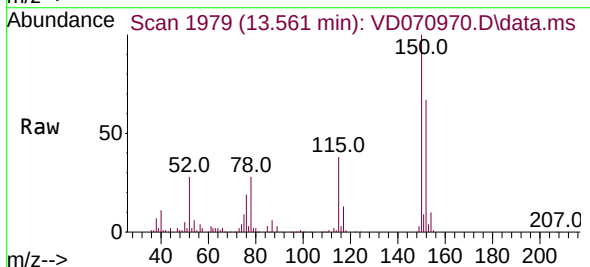
Instrument :
MSVOA_D
ClientSampleId :

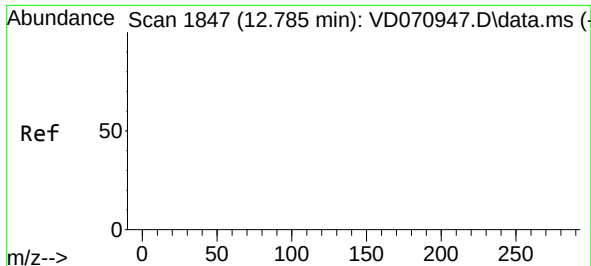
Tgt Ion:173 Resp: 655
Ion Ratio Lower Upper
173 100
175 712.7 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion:152 Resp: 88000
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 156.5 0.0 349.2

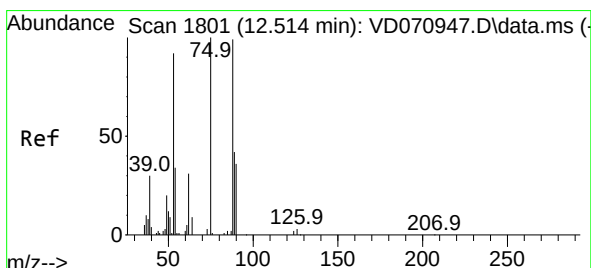
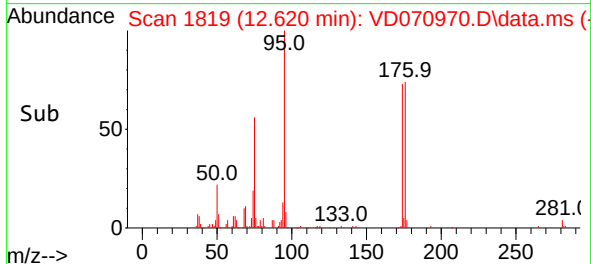
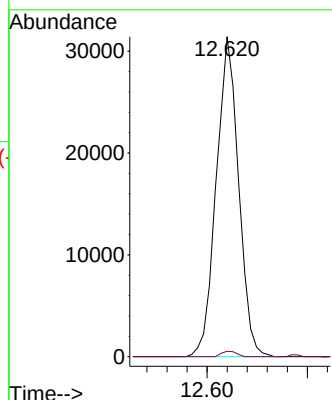
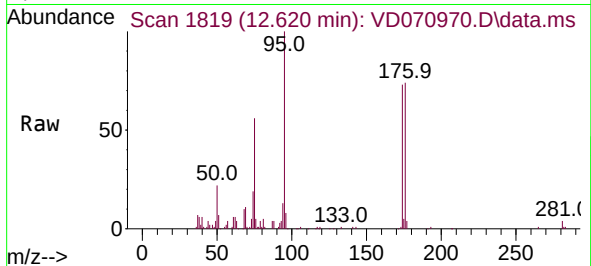




#76
1,2,3-Trichloropropane
Concen: 64.630 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 48582
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.499 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070970.D
Acq: 10 Nov 2021 15:13

Tgt Ion: 75 Resp: 48582
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

