

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071372.D
 Acq On : 16 Dec 2021 17:32
 Operator : VA/SY
 Sample : M5124-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:51:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

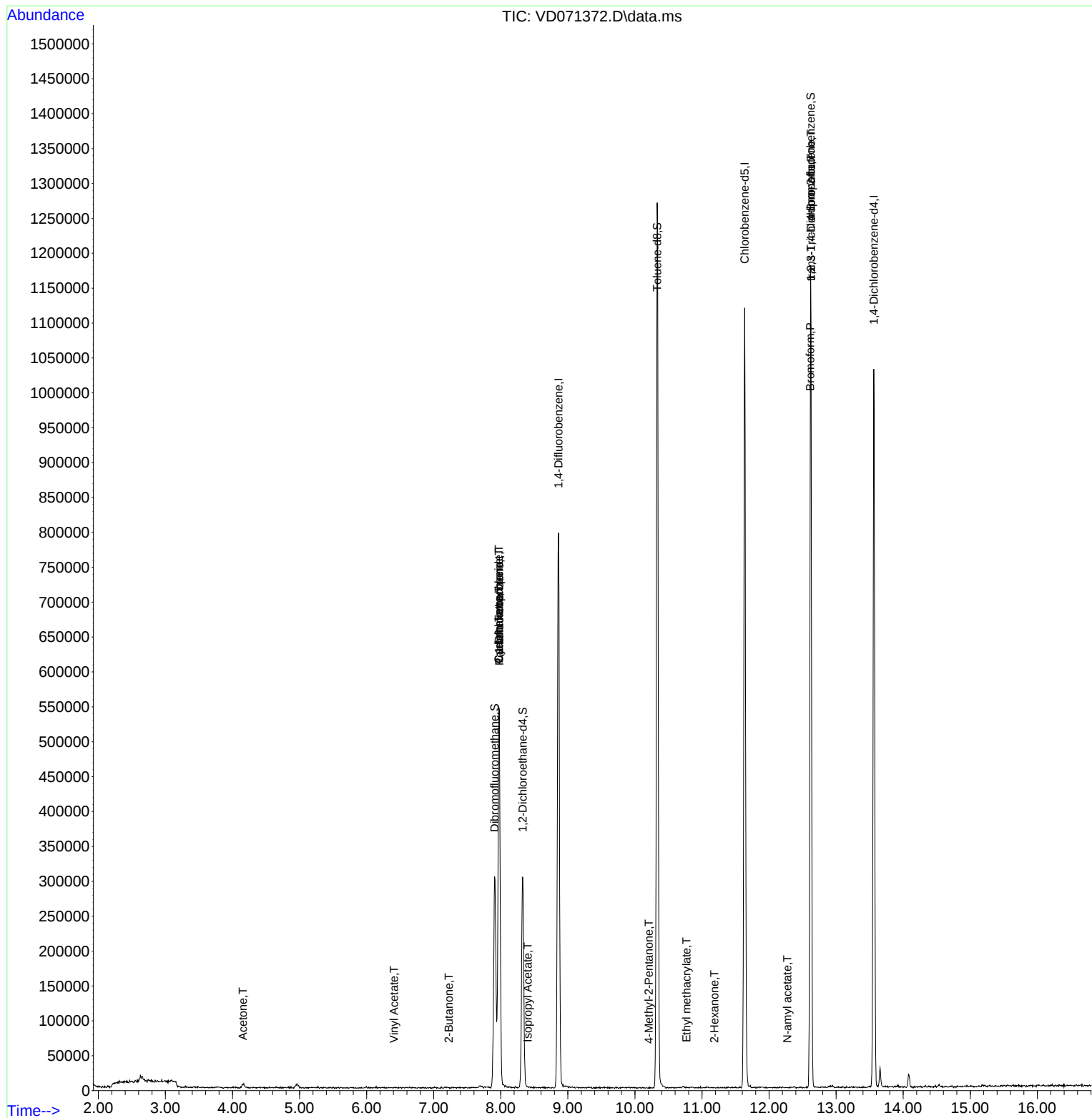
Internal Standards						
1) Pentafluorobenzene	7.979	168	375061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	657114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	580686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239588	54.441	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.880%			
35) Dibromofluoromethane	7.908	113	210976	50.419	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.332	98	836699	52.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.620	95	267078	48.385	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.780%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.191	59	184	Below Cal	#	71
16) Acetone	4.156	43	8511	37.182	ug/l #	83
20) Methylene Chloride	4.961	84	3328	Below Cal	#	92
23) Vinyl Acetate	6.408	43	72	27.227	ug/l #	72
25) 2-Butanone	7.226	43	433	28.643	ug/l #	45
31) Cyclohexane	7.973	56	11198	1.496	ug/l #	23
36) 1,1-Dichloropropene	7.973	75	34596	5.633	ug/l #	51
38) Carbon Tetrachloride	7.973	117	40474	6.685	ug/l #	17
41) Methacrylonitrile	7.567	41	176	Below Cal	#	27
43) Isopropyl Acetate	8.402	43	163	5.248	ug/l #	47
51) 4-Methyl-2-Pentanone	10.208	43	362	30.758	ug/l #	34
56) Ethyl methacrylate	10.767	69	60	5.983	ug/l #	1
59) 2-Hexanone	11.185	43	259	34.673	ug/l	64
71) Bromoform	12.614	173	2548	1.250	ug/l #	1
74) N-amyl acetate	12.273	43	144	5.727	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	150394	62.893	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	150394	135.889	ug/l #	19

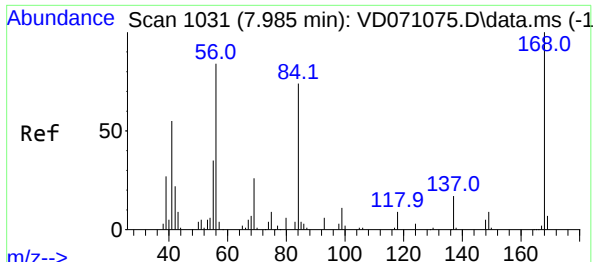
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 23:51:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

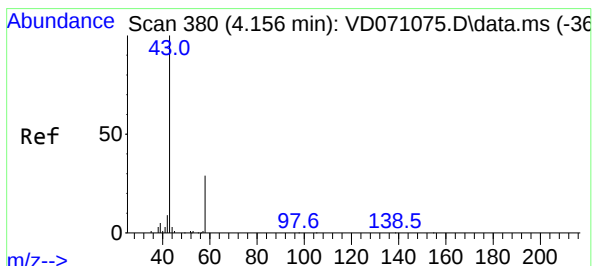
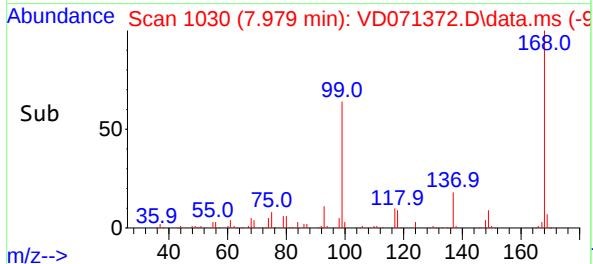
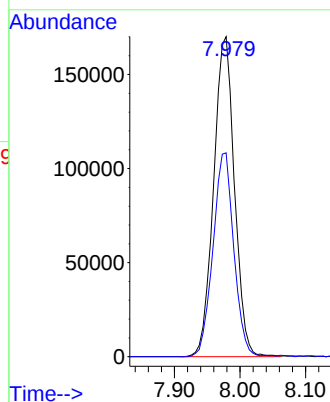
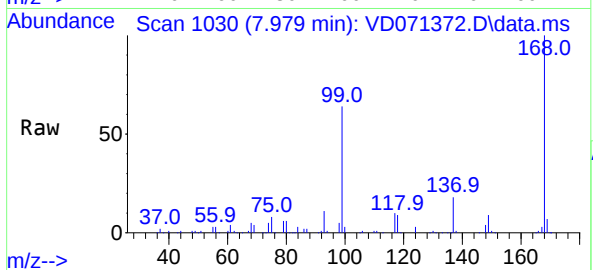




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

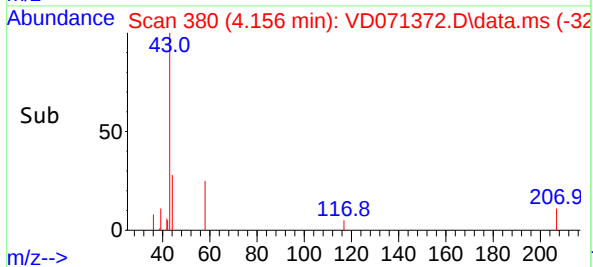
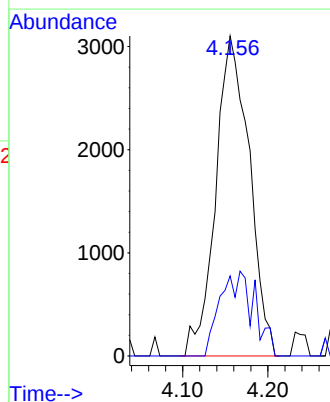
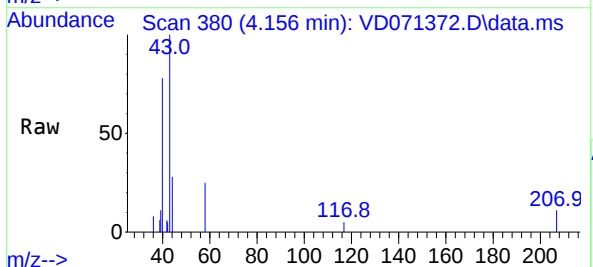
Instrument :
MSVOA_D
ClientSampleId :

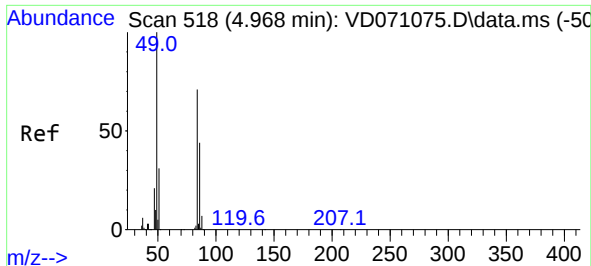
Tgt Ion:168 Resp: 375061
Ion Ratio Lower Upper
168 100
99 63.7 46.6 69.8



#16
Acetone
Concen: 37.182 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

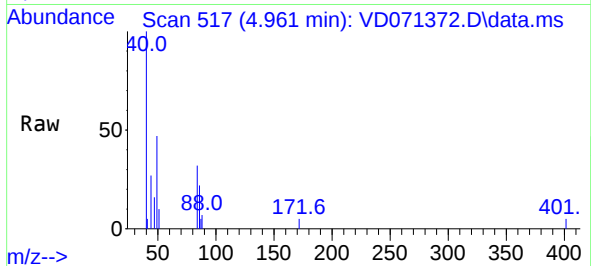
Tgt Ion: 43 Resp: 8511
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#



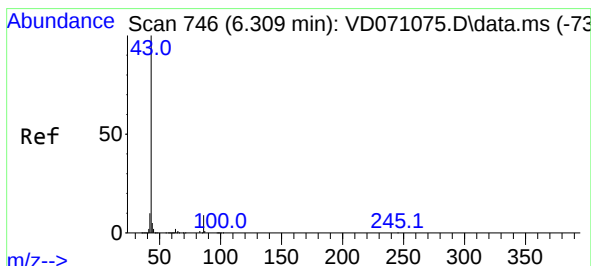
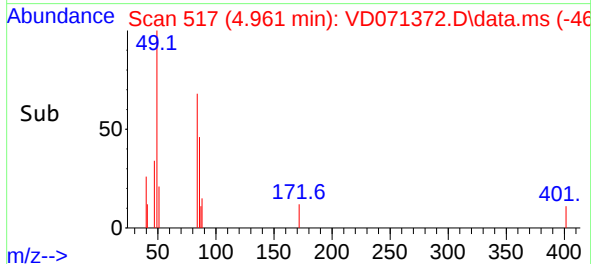
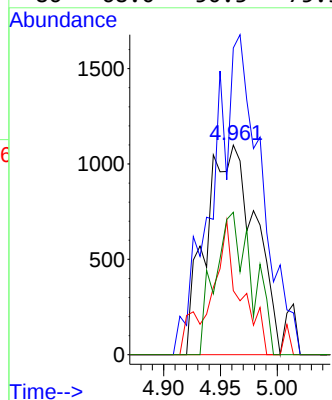


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 518
Delta R.T. -0.007 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

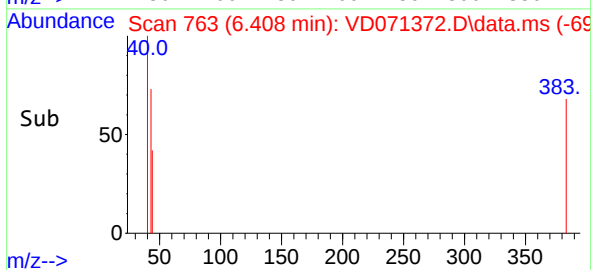
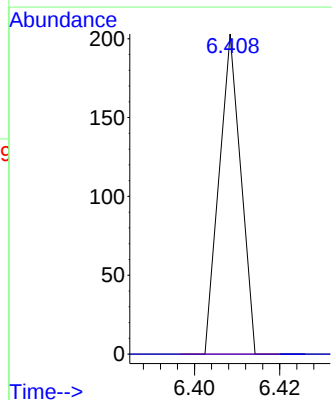
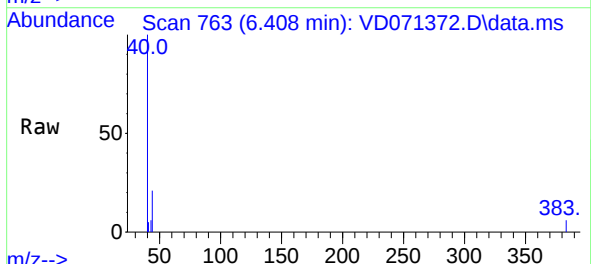


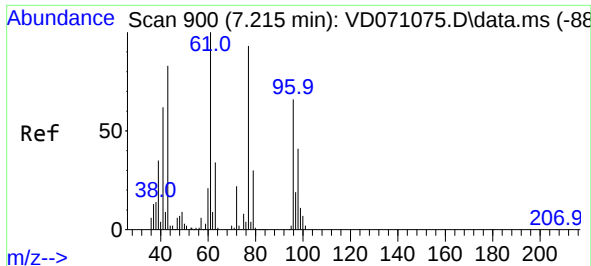
Tgt Ion: 84 Resp: 3328
Ion Ratio Lower Upper
84 100
49 127.9 95.8 143.6
51 30.6 30.9 46.3#
86 68.0 50.3 75.5



#23
Vinyl Acetate
Concen: 27.227 ug/l
RT: 6.408 min Scan# 763
Delta R.T. 0.099 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

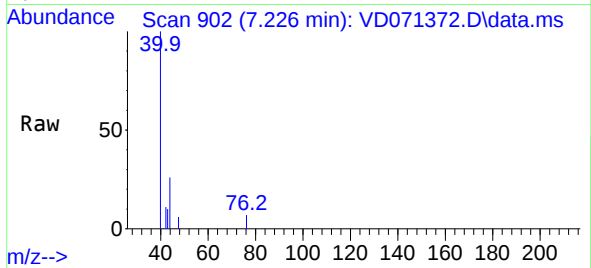
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



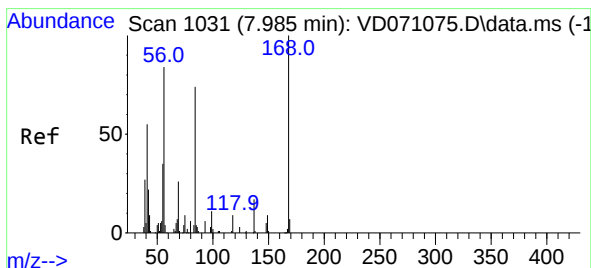
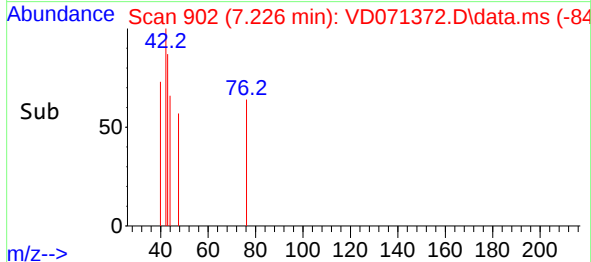
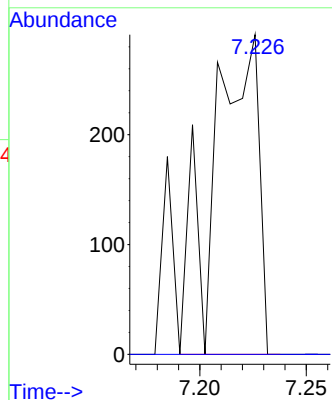


#25
2-Butanone
Concen: 28.643 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.011 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

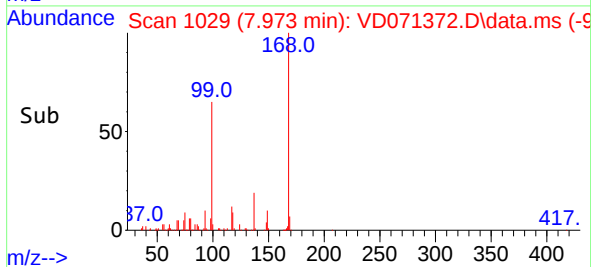
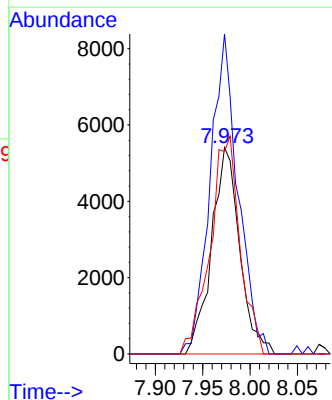
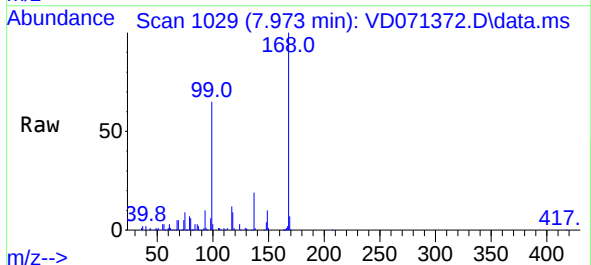


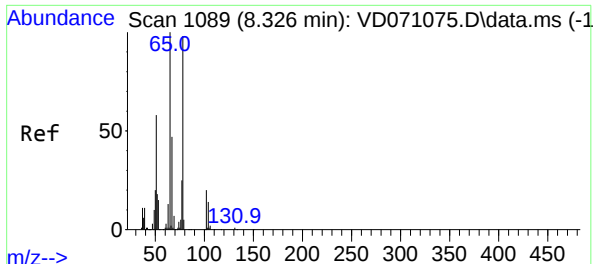
Tgt Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.496 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Tgt Ion: 56 Resp: 11198
Ion Ratio Lower Upper
56 100
69 155.0 25.9 38.9#
84 98.1 64.3 96.5#

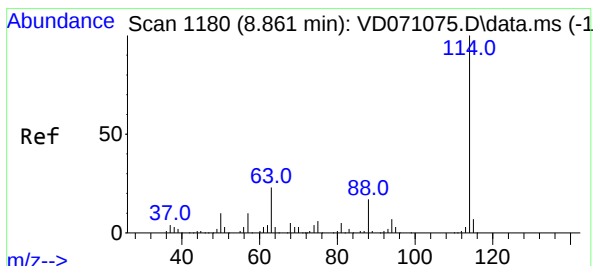
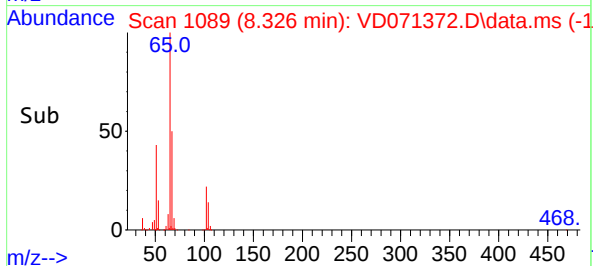
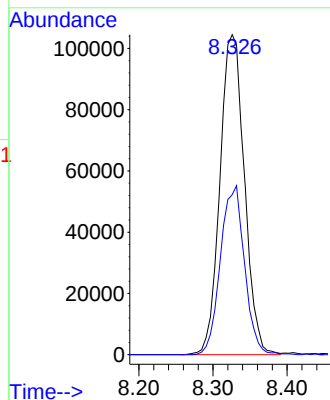
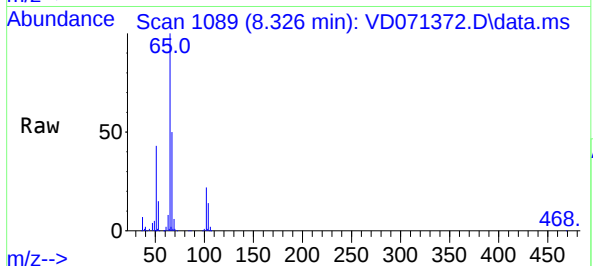




#33
1,2-Dichloroethane-d4
Concen: 54.441 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

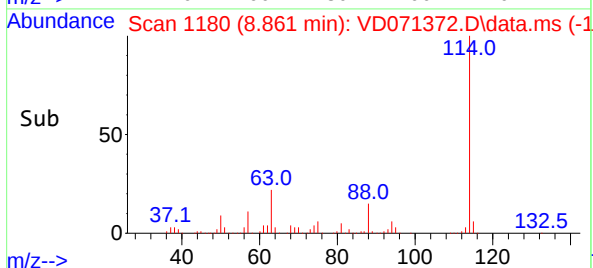
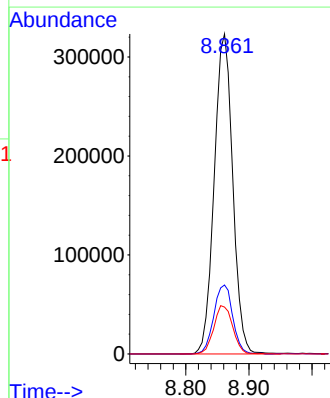
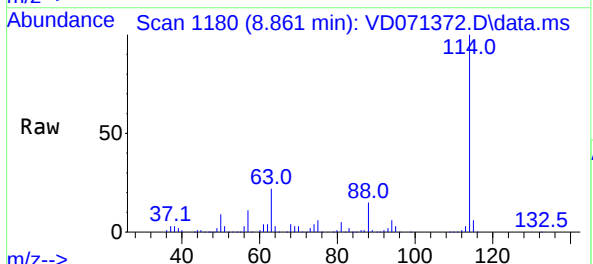
Instrument :
MSVOA_D
ClientSampleId :

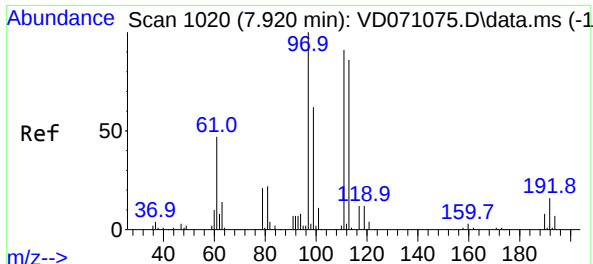
Tgt Ion: 65 Resp: 239588
Ion Ratio Lower Upper
65 100
67 51.8 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

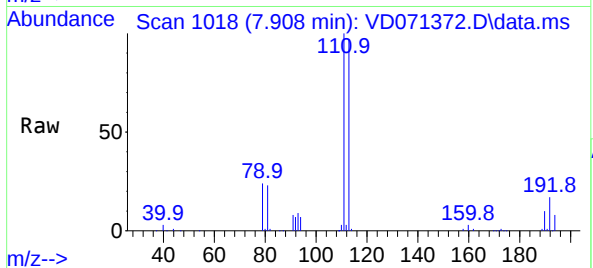
Tgt Ion:114 Resp: 657114
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 14.6 0.0 32.8



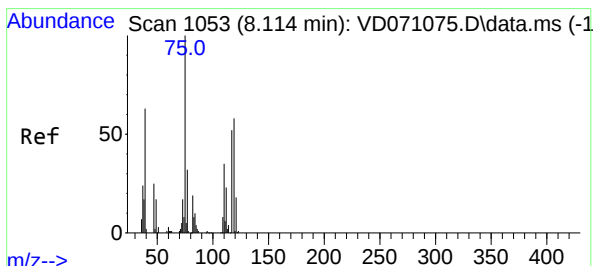
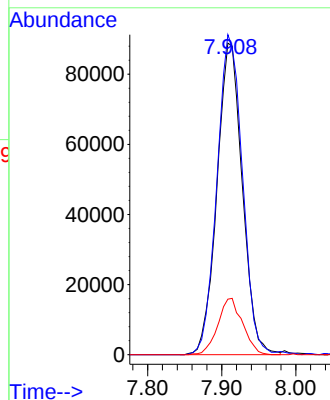
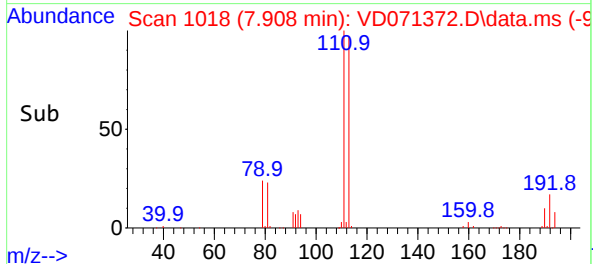


#35
Dibromofluoromethane
Concen: 50.419 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.012 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

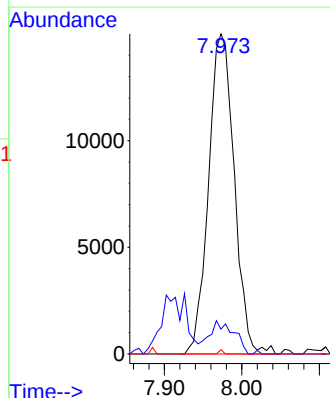
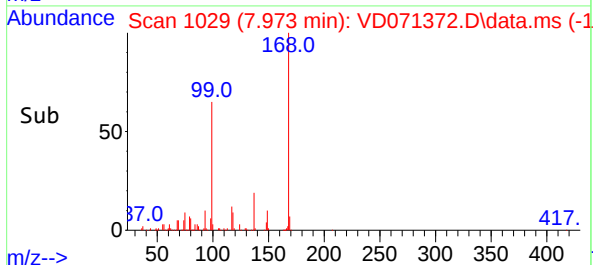
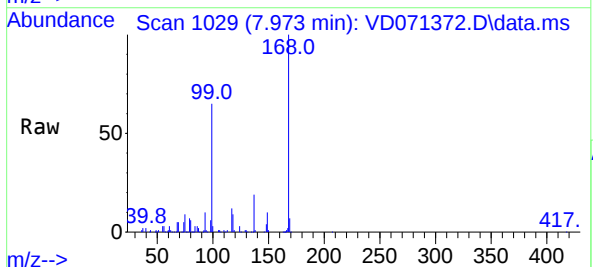


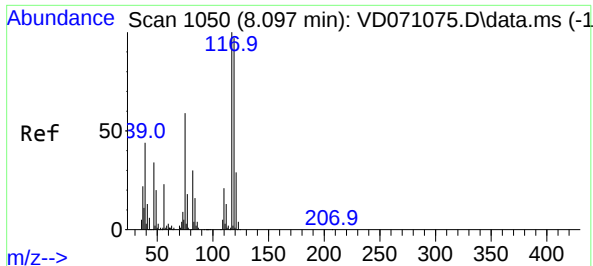
Tgt Ion:113 Resp: 210976
Ion Ratio Lower Upper
113 100
111 103.2 82.0 123.0
192 17.7 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.633 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Tgt Ion: 75 Resp: 34596
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.4#
77 0.2 24.8 37.2#

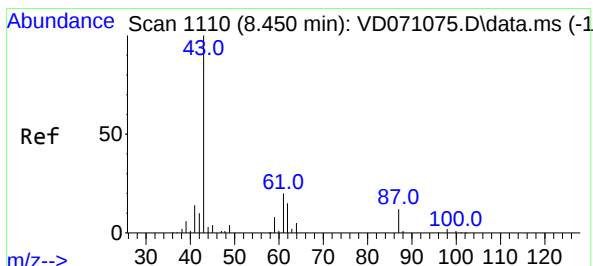
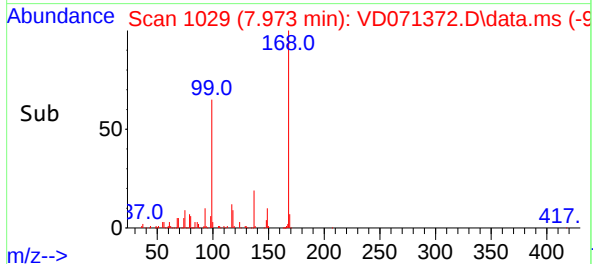
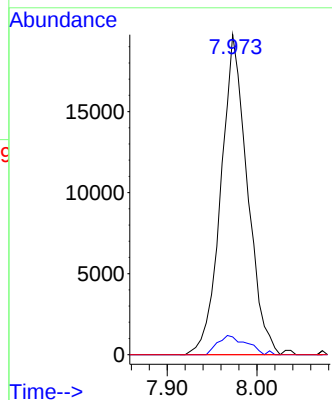
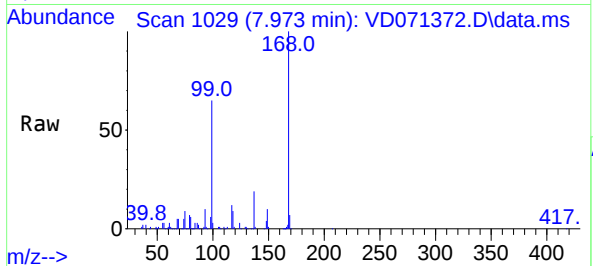




#38
Carbon Tetrachloride
Concen: 6.685 ug/l
RT: 7.973 min Scan# 1102
Delta R.T. -0.124 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

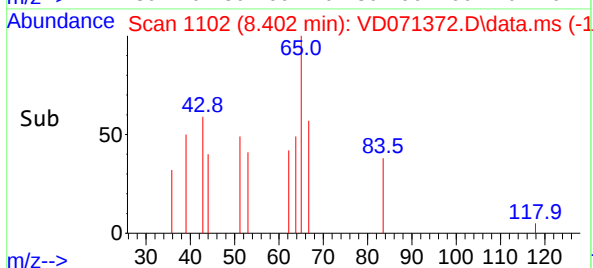
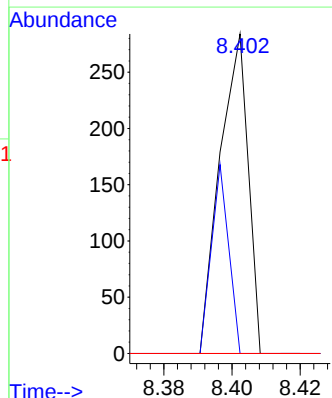
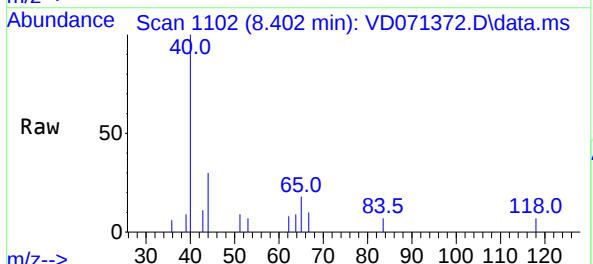
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MSVOA_D
ClientSampleId :

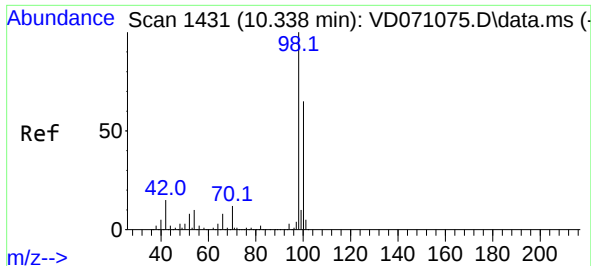
Tgt Ion:117 Resp: 40474
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.248 ug/l
RT: 8.402 min Scan# 1102
Delta R.T. -0.048 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

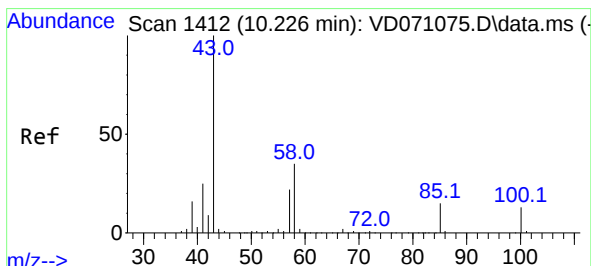
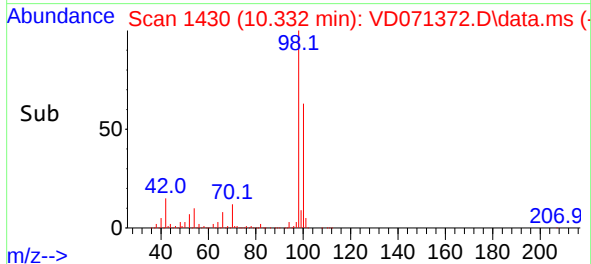
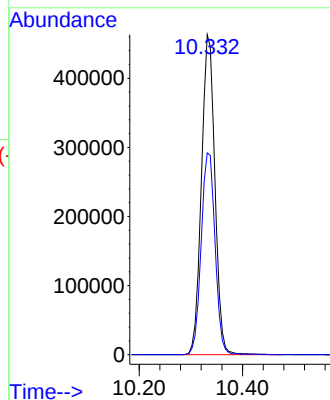
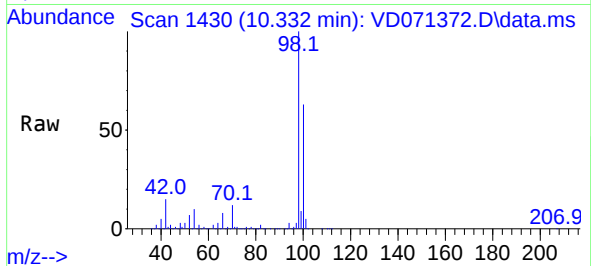




#50
Toluene-d8
Concen: 52.544 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

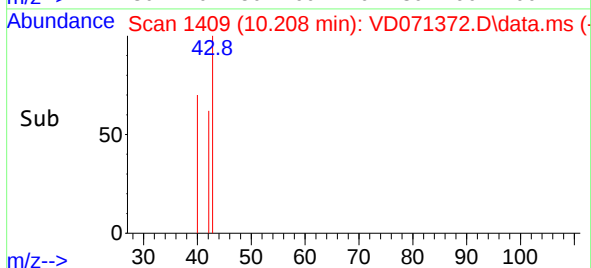
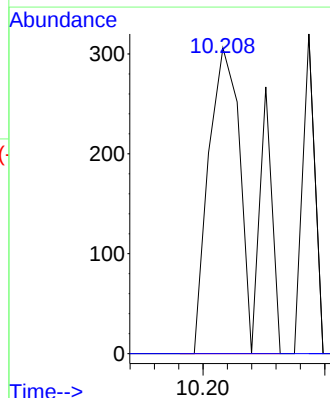
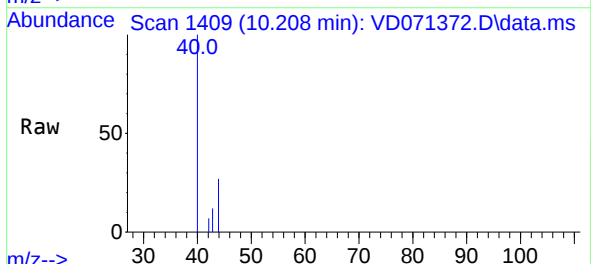
Instrument :
MSVOA_D
ClientSampleId :

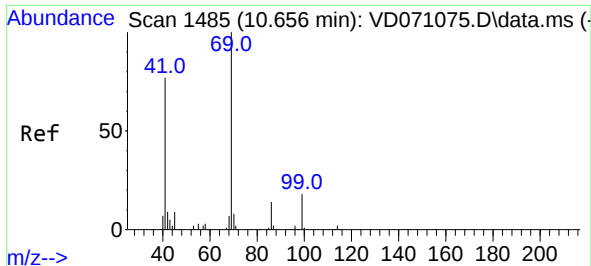
Tgt Ion: 98 Resp: 836699
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.758 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.018 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

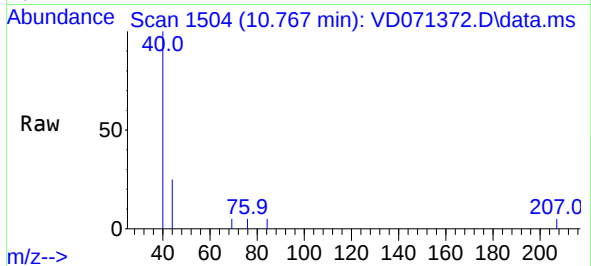
Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



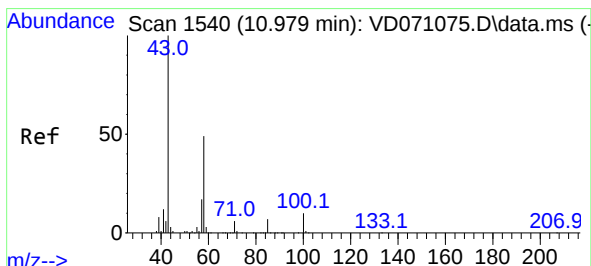
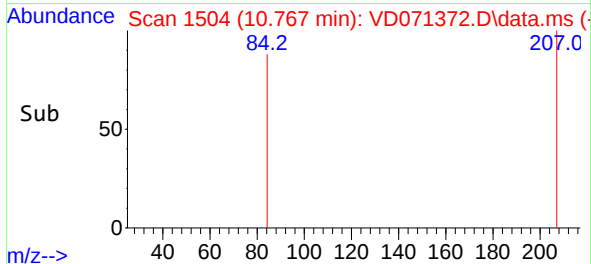
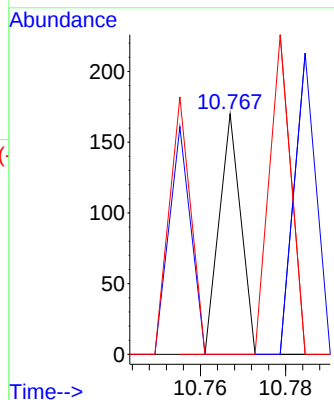


#56
Ethyl methacrylate
Concen: 5.983 ug/l
RT: 10.767 min Scan# 11
Delta R.T. 0.111 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

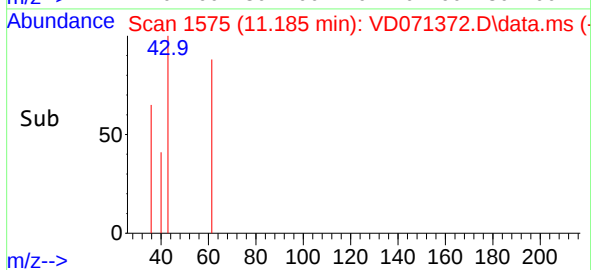
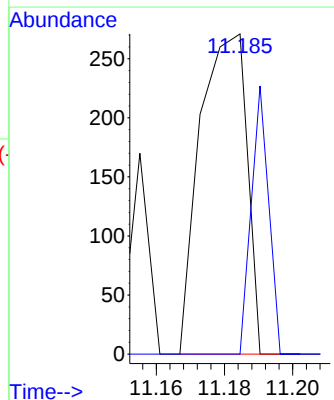
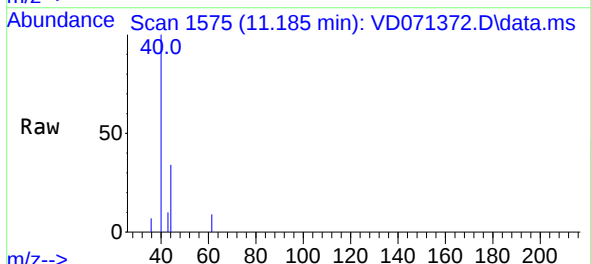


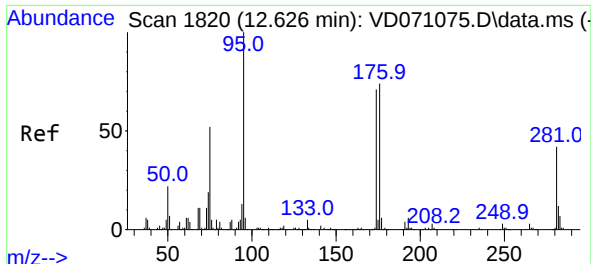
Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 125.0 50.2 75.2#
39 133.3 19.8 29.8#



#59
2-Hexanone
Concen: 34.673 ug/l
RT: 11.185 min Scan# 1575
Delta R.T. 0.206 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

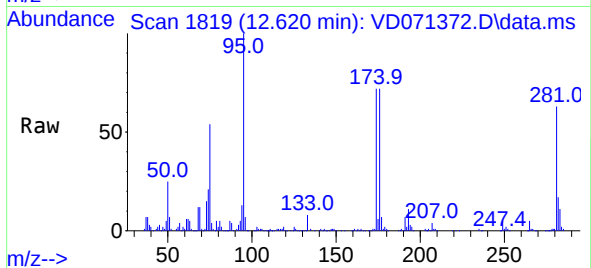
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
58 30.9 28.7 86.1



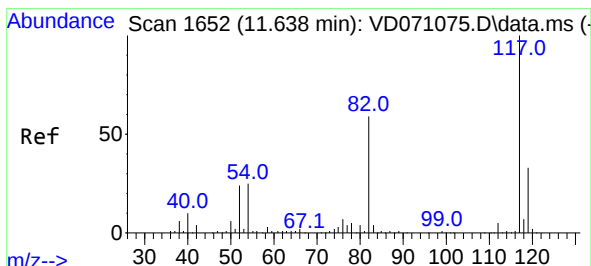
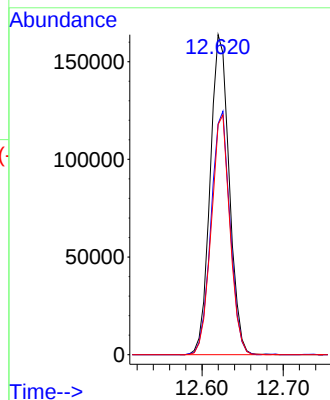
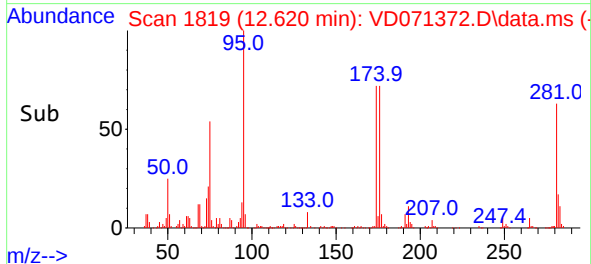


#62
4-Bromofluorobenzene
Concen: 48.385 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

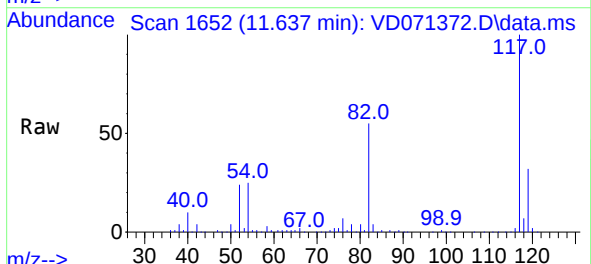
Instrument :
MSVOA_D
ClientSampleId :



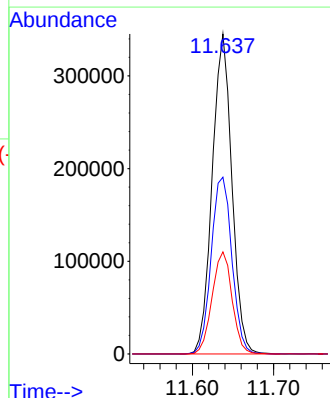
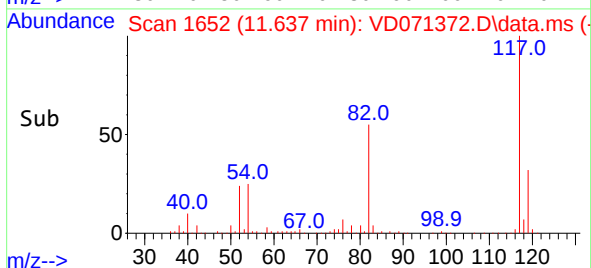
Tgt Ion: 95 Resp: 267078
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 73.0 0.0 154.0

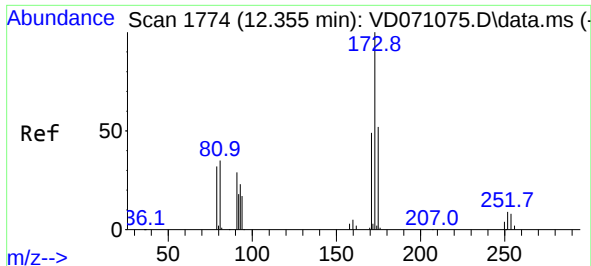


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32



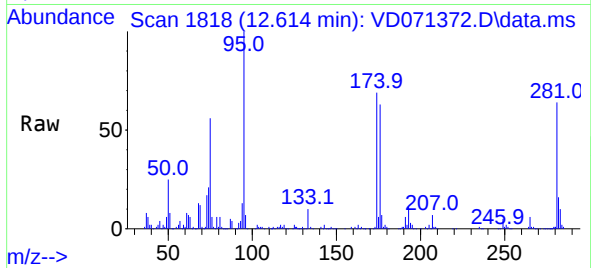
Tgt Ion: 117 Resp: 580686
Ion Ratio Lower Upper
117 100
82 55.3 44.7 67.1
119 31.9 26.2 39.4



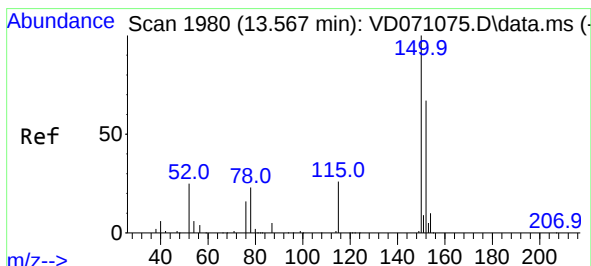
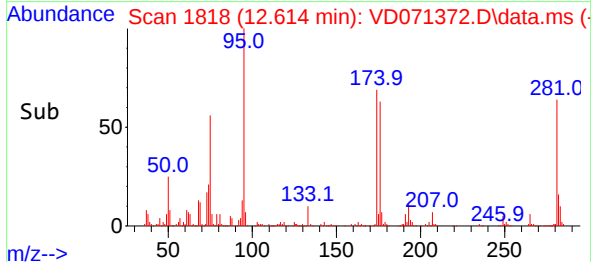
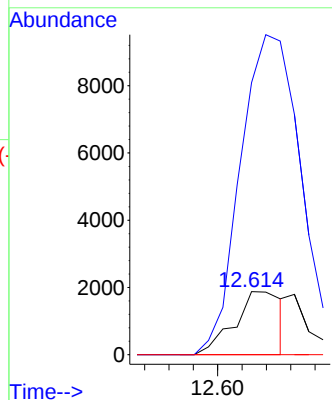


#71
Bromoform
Concen: 1.250 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.259 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

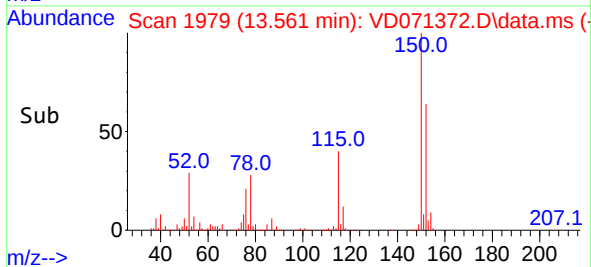
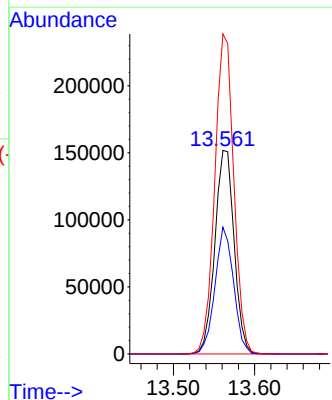
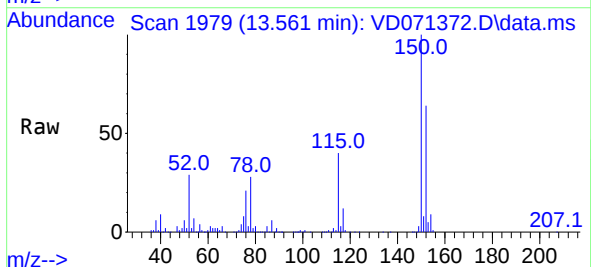


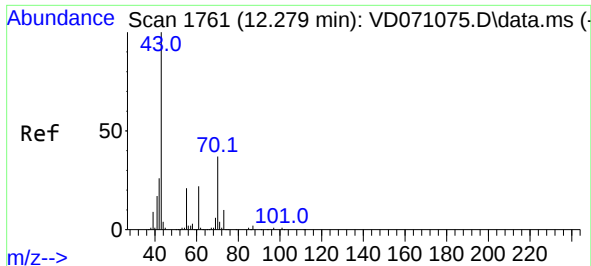
Tgt Ion:173 Resp: 2548
Ion Ratio Lower Upper
173 100
175 567.3 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

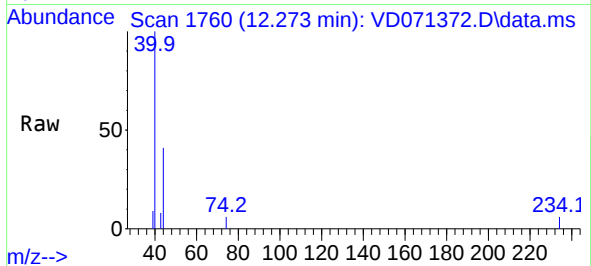
Tgt Ion:152 Resp: 250986
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 155.1 0.0 349.2



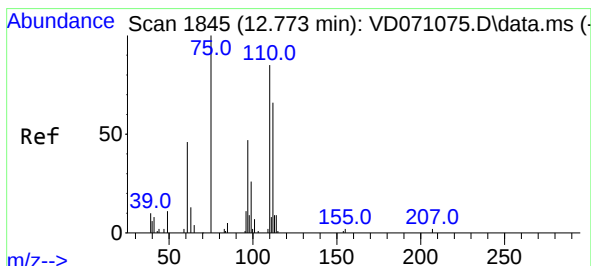
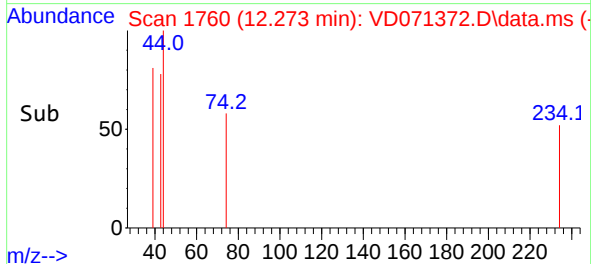
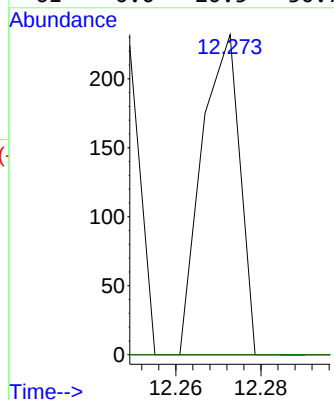


#74
N-amy1 acetate
Concen: 5.727 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

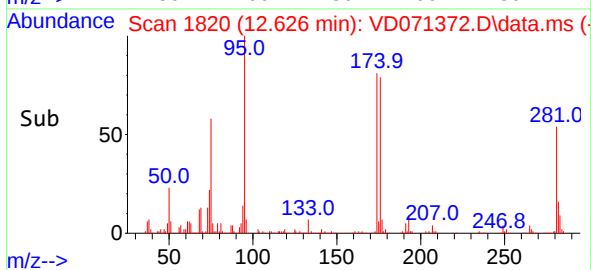
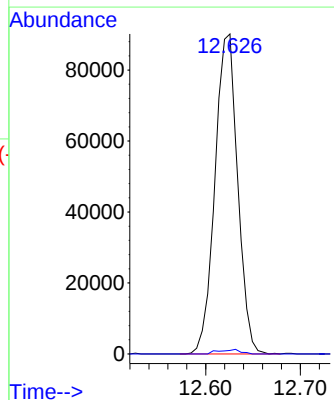
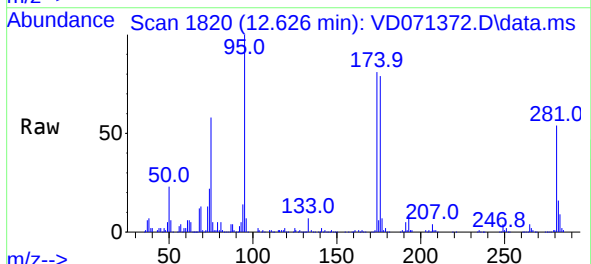


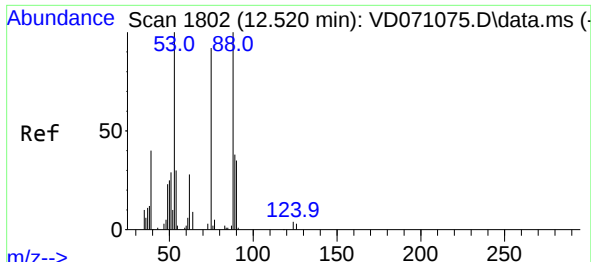
Tgt Ion: 43	Resp: 144
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 62.893 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

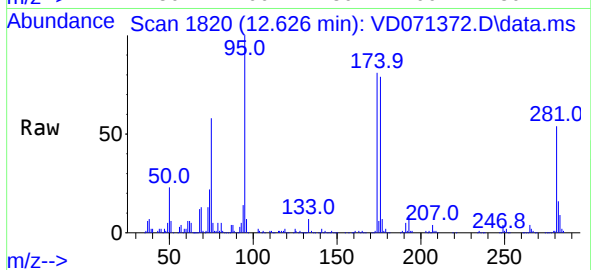
Tgt Ion: 75	Resp: 150394
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 135.889 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071372.D
Acq: 16 Dec 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 150394
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.5 34.5 51.7#

