

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071187.D
 Acq On : 07 Dec 2021 17:00
 Operator : VA/SY
 Sample : M4959-16
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 02:51:26 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)

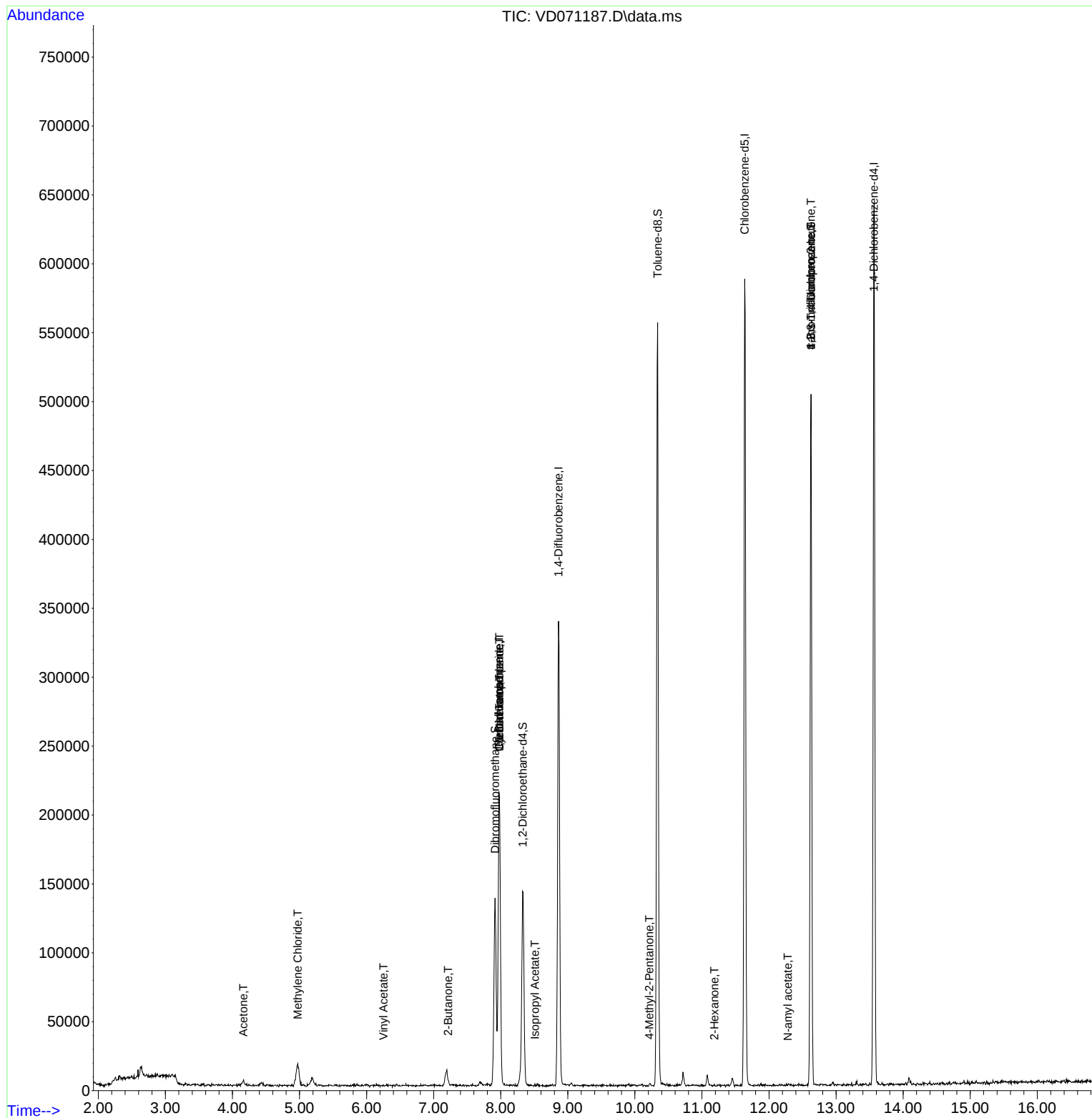
Internal Standards						
1) Pentafluorobenzene	7.973	168	153542	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	273304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	316623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	158760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	111991	62.16	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.32%			
35) Dibromofluoromethane	7.914	113	93736	53.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.72%			
50) Toluene-d8	10.338	98	357343	53.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.90%			
62) 4-Bromofluorobenzene	12.626	95	157539	68.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 137.24%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.191	59	5128	Below Cal	#	75
16) Acetone	4.162	43	5664	41.18	ug/l	95
20) Methylene Chloride	4.973	84	11005	2.05	ug/l	89
23) Vinyl Acetate	6.250	43	59	27.24	ug/l #	72
25) 2-Butanone	7.214	43	210	28.70	ug/l #	45
31) Cyclohexane	7.979	56	4610	1.50	ug/l #	8
36) 1,1-Dichloropropene	7.979	75	14708	5.76	ug/l #	50
38) Carbon Tetrachloride	7.979	117	16569	6.58	ug/l #	19
41) Methacrylonitrile	7.503	41	158	Below Cal	#	12
43) Isopropyl Acetate	8.509	43	55	5.24	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	900	31.29	ug/l #	34
59) 2-Hexanone	11.185	43	150	34.71	ug/l	73
74) N-amyl acetate	12.279	43	119	5.73	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	86824	57.40	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	86824	124.53	ug/l #	18

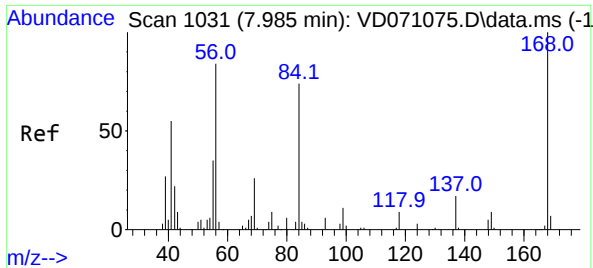
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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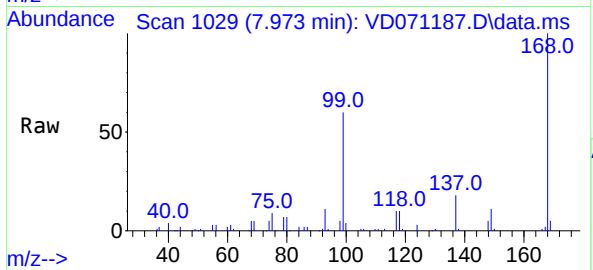
Quant Time: Dec 08 02:51:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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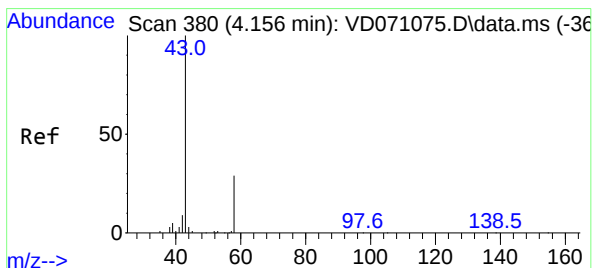
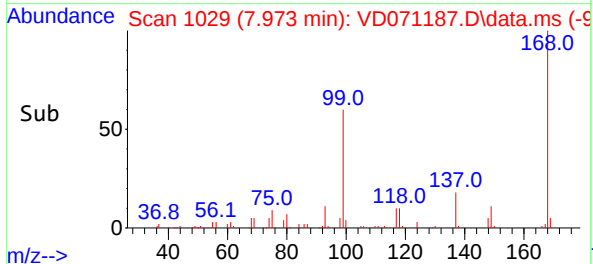
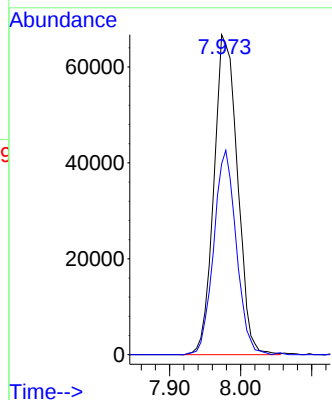


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :

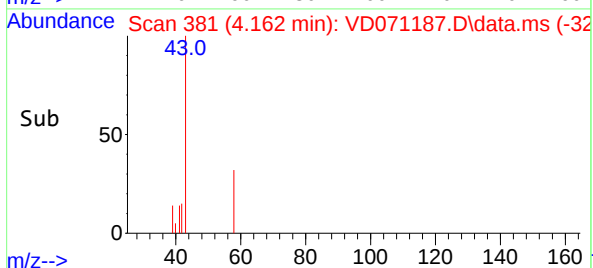
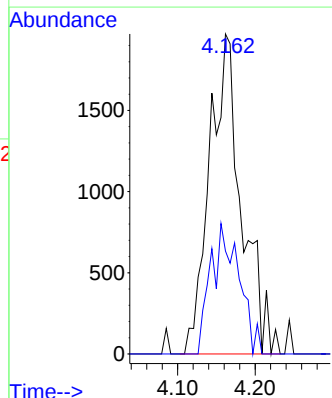
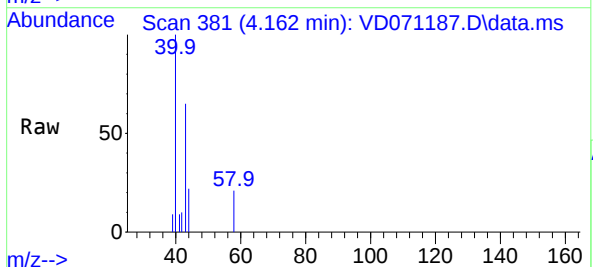


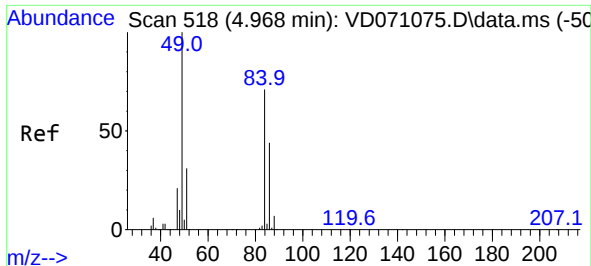
Tgt Ion:168 Resp: 153542
Ion Ratio Lower Upper
168 100
99 59.6 46.6 69.8



#16
Acetone
Concen: 41.18 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

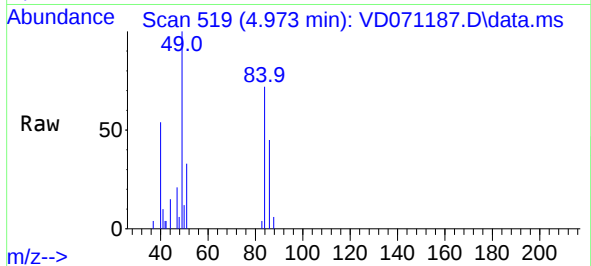
Tgt Ion: 43 Resp: 5664
Ion Ratio Lower Upper
43 100
58 32.2 27.8 41.8



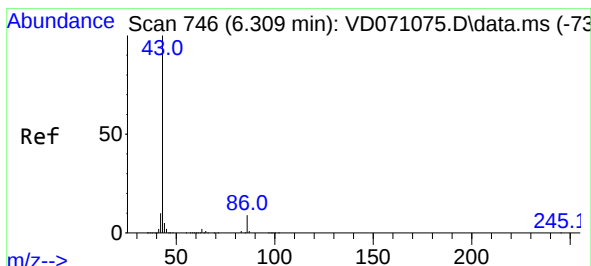
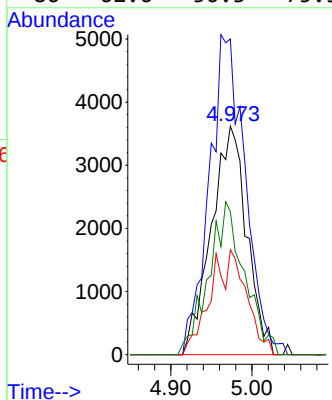
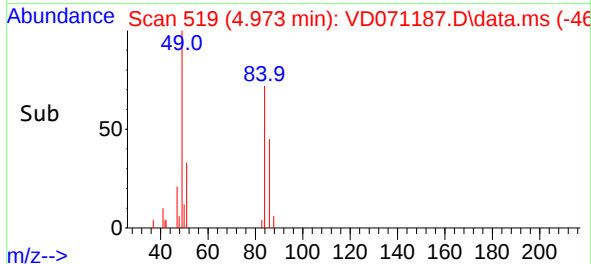


#20
Methylene Chloride
Concen: 2.05 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :

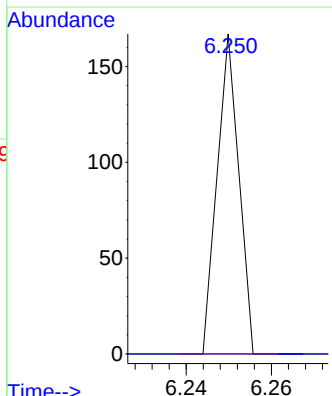
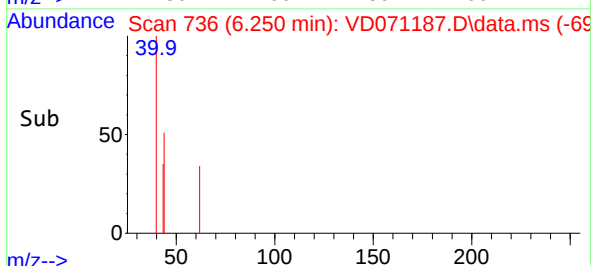
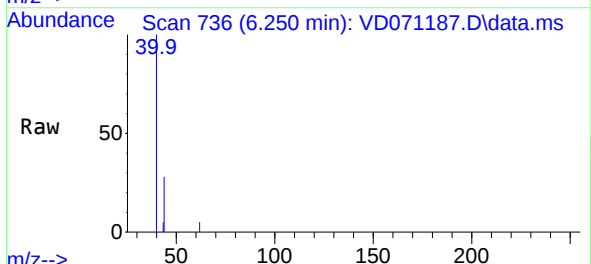


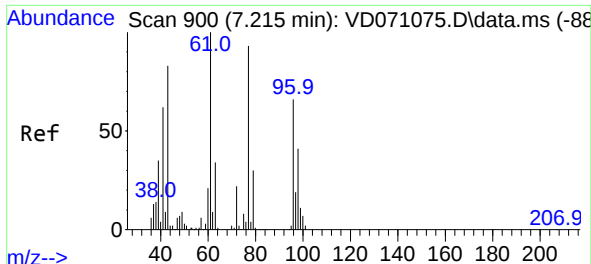
Tgt Ion: 84 Resp: 11005
Ion Ratio Lower Upper
84 100
49 138.1 95.8 143.6
51 45.9 30.9 46.3
86 62.6 50.3 75.5



#23
Vinyl Acetate
Concen: 27.24 ug/l
RT: 6.250 min Scan# 736
Delta R.T. -0.059 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

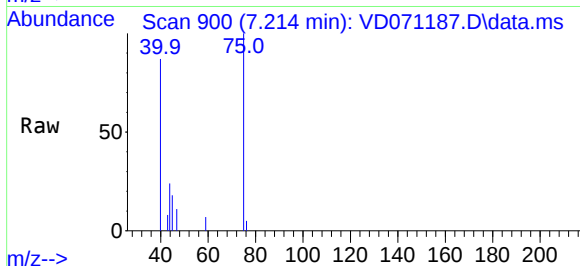
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



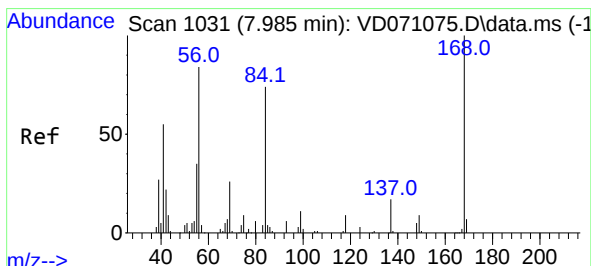
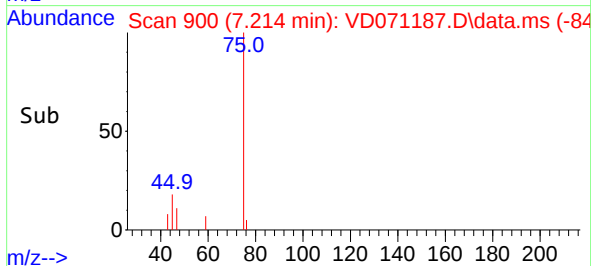
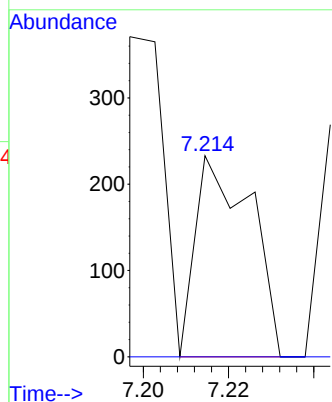


#25
2-Butanone
Concen: 28.70 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :

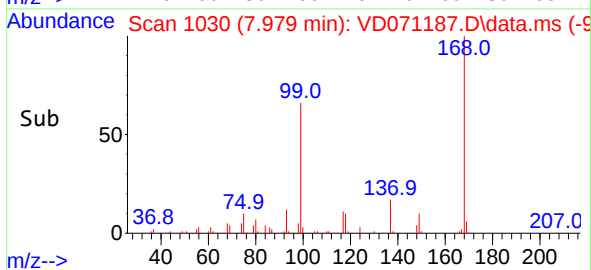
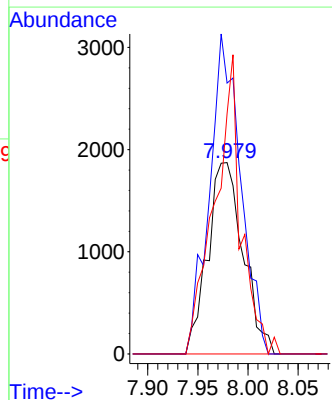
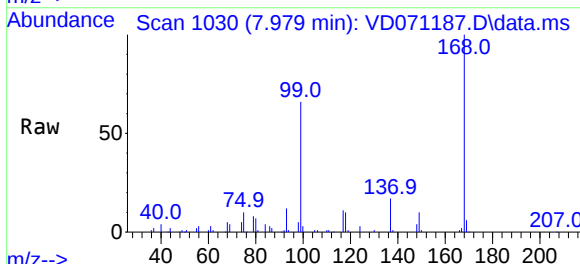


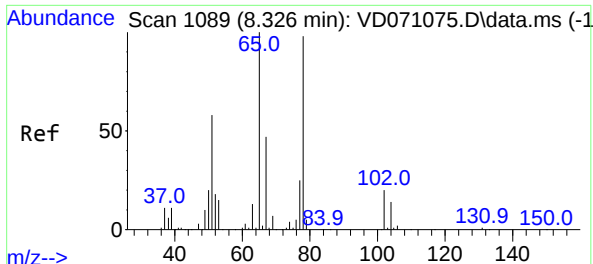
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Tgt Ion: 56 Resp: 4610
Ion Ratio Lower Upper
56 100
69 141.5 25.9 38.9#
84 125.6 64.3 96.5#

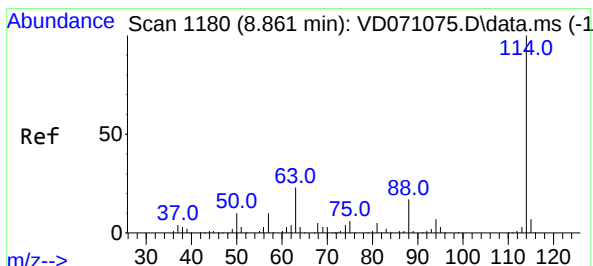
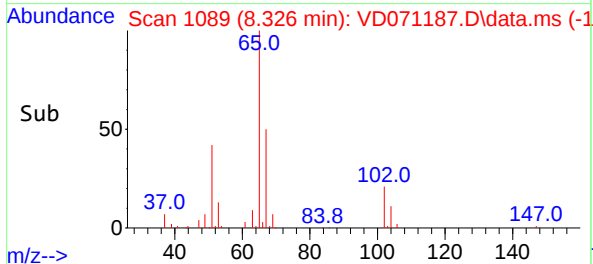
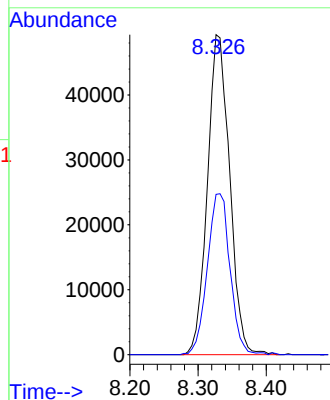
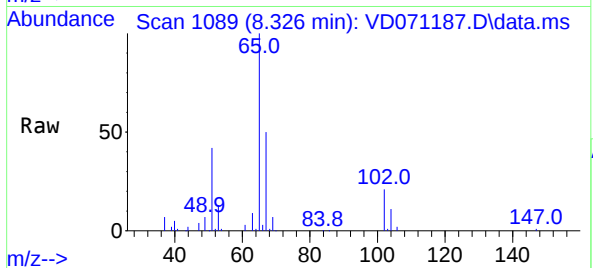




#33
1,2-Dichloroethane-d4
Concen: 62.16 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

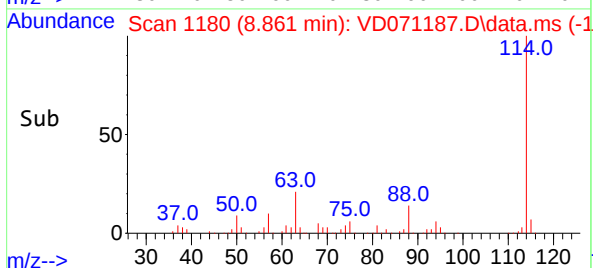
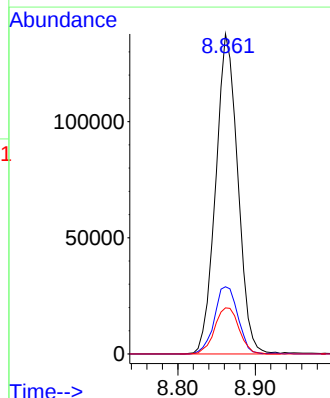
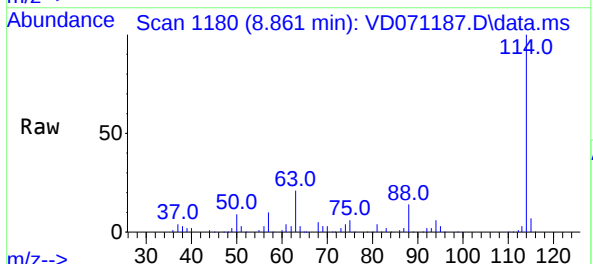
Instrument :
MSVOA_D
ClientSampleId :

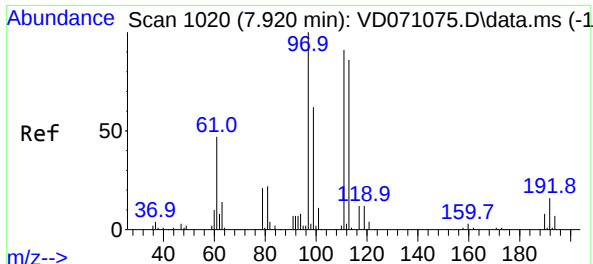
Tgt Ion: 65 Resp: 111991
Ion Ratio Lower Upper
65 100
67 51.3 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Tgt Ion: 114 Resp: 273304
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.8
88 14.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.86 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

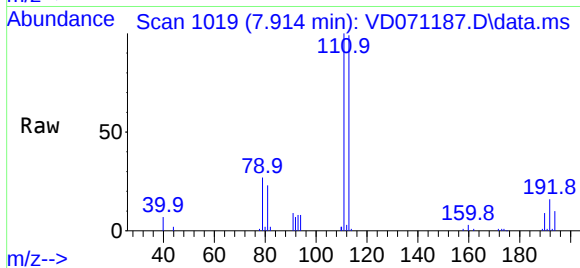
Lab File: VD071187.D

Acq: 07 Dec 2021 17:00

Instrument :

MSVOA_D

ClientSampleId :



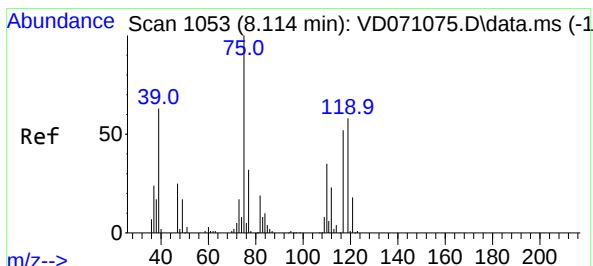
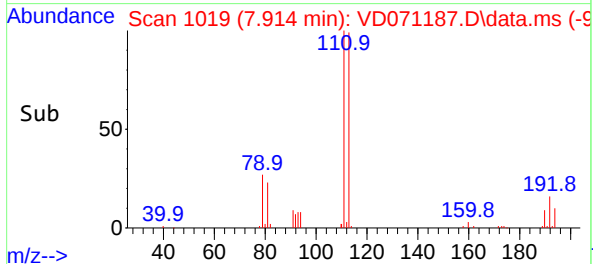
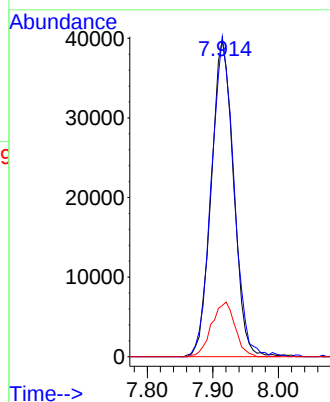
Tgt Ion:113 Resp: 93736

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

192 18.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.76 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071187.D

Acq: 07 Dec 2021 17:00

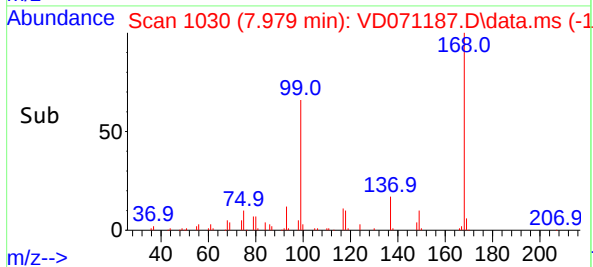
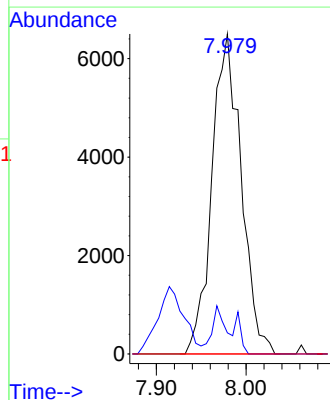
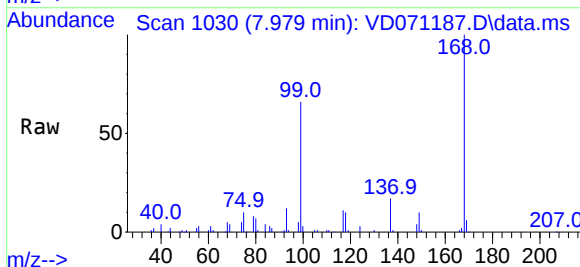
Tgt Ion: 75 Resp: 14708

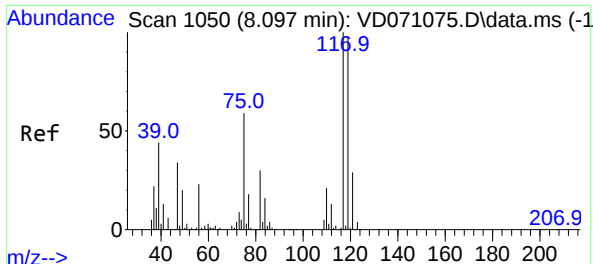
Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.4#

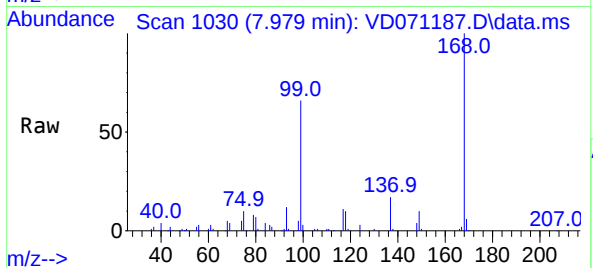
77 0.0 24.8 37.2#



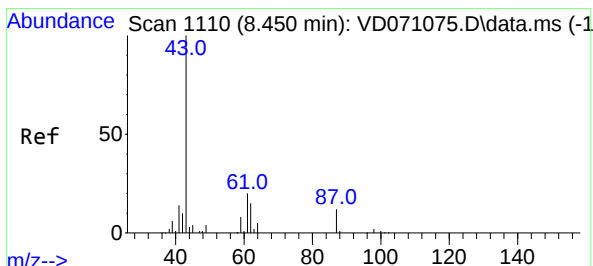
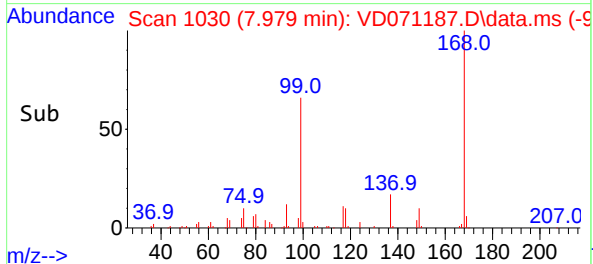
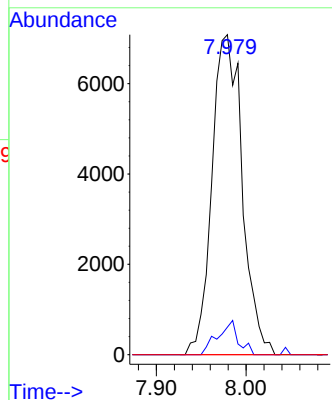


#38
Carbon Tetrachloride
Concen: 6.58 ug/l
RT: 7.979 min Scan# 110
Delta R.T. -0.118 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :

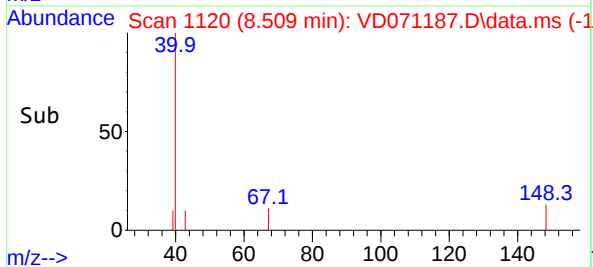
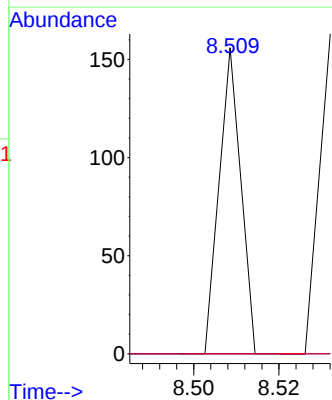
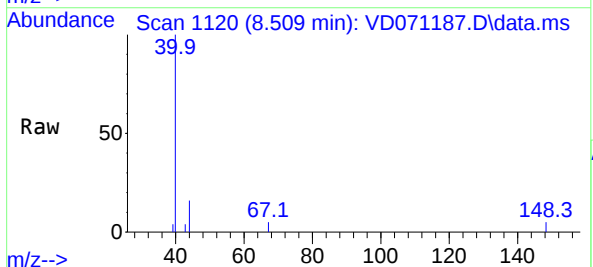


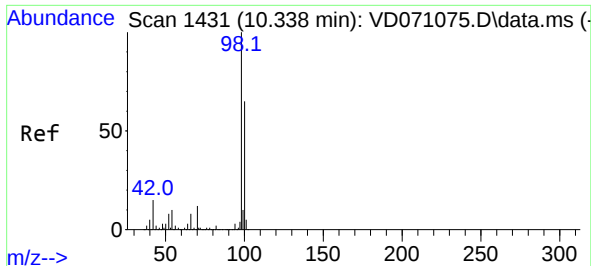
Tgt Ion:117 Resp: 16569
Ion Ratio Lower Upper
117 100
119 8.6 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.24 ug/l
RT: 8.509 min Scan# 1120
Delta R.T. 0.059 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

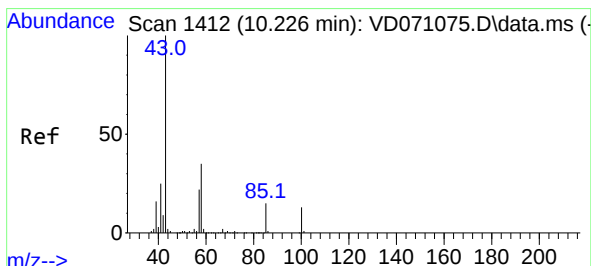
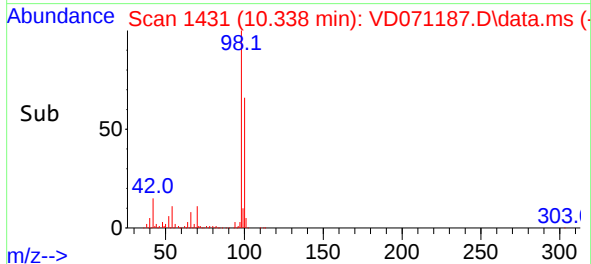
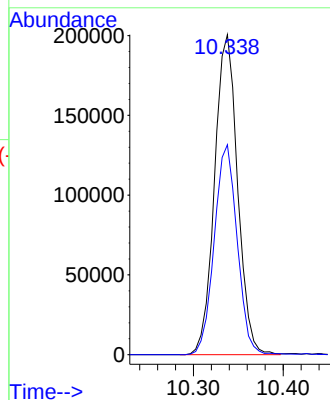
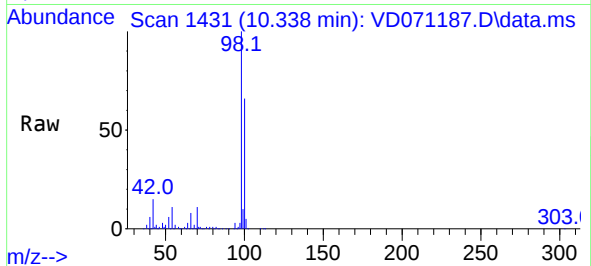




#50
Toluene-d8
Concen: 53.95 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

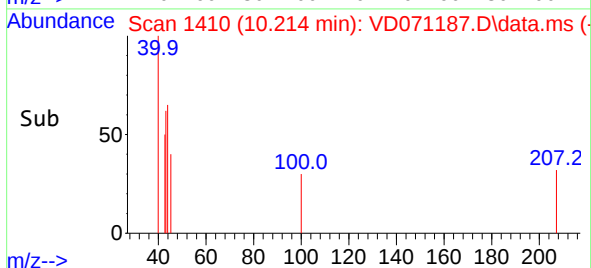
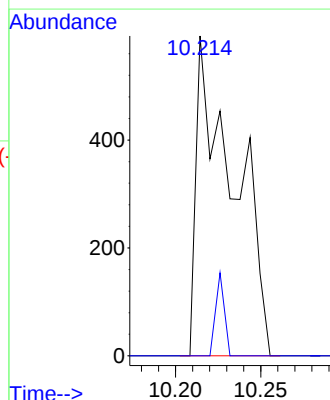
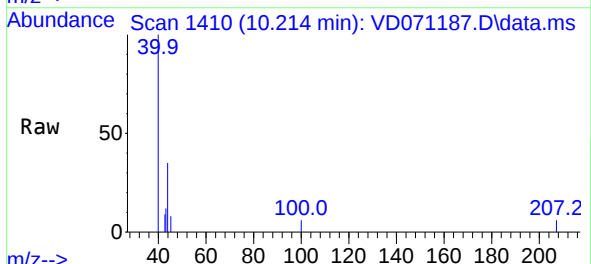
Instrument :
MSVOA_D
ClientSampleId :

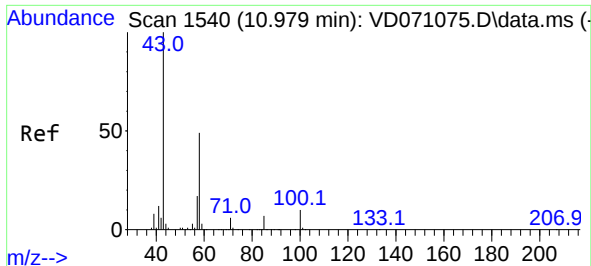
Tgt Ion: 98 Resp: 357343
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.29 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

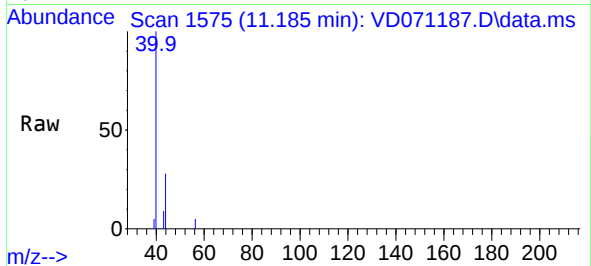
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



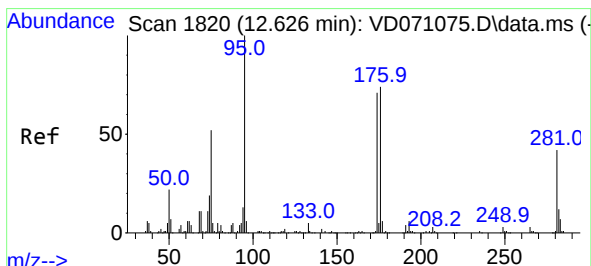
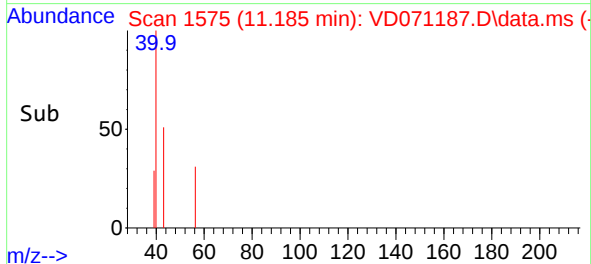
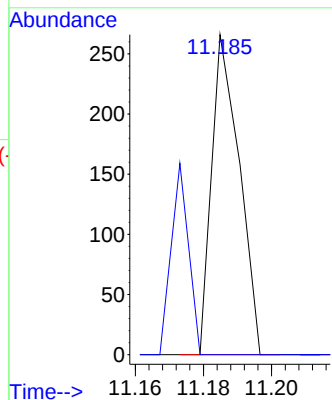


#59
2-Hexanone
Concen: 34.71 ug/l
RT: 11.185 min Scan# 11
Delta R.T. 0.206 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Instrument :
MSVOA_D
ClientSampleId :

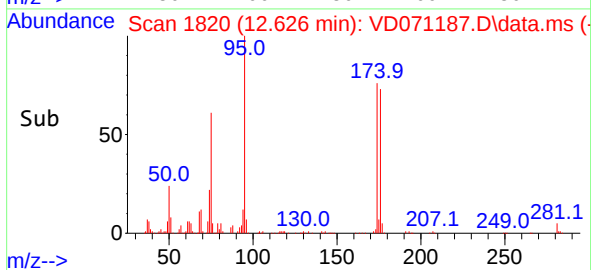
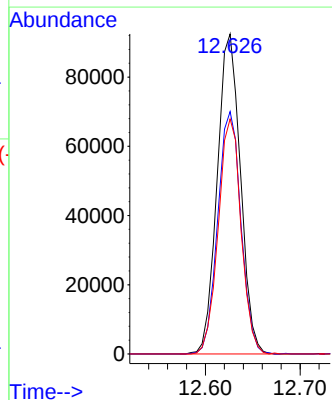
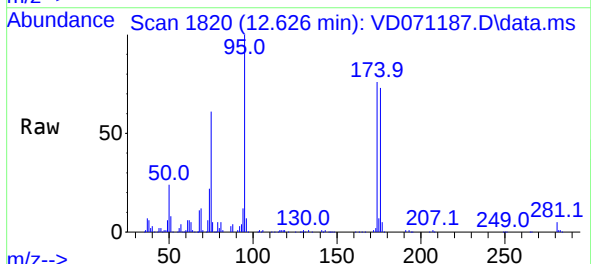


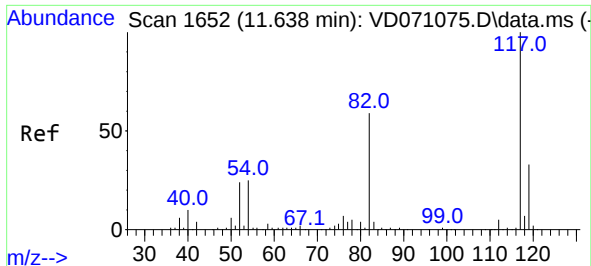
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 37.3 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 68.62 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Tgt Ion: 95 Resp: 157539
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 72.0 0.0 154.0

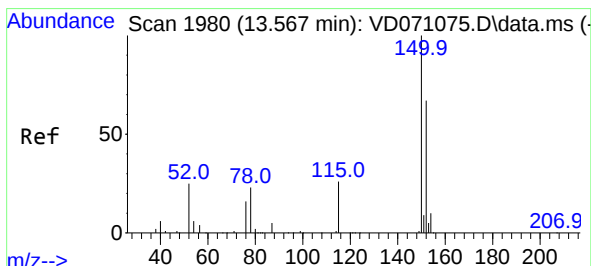
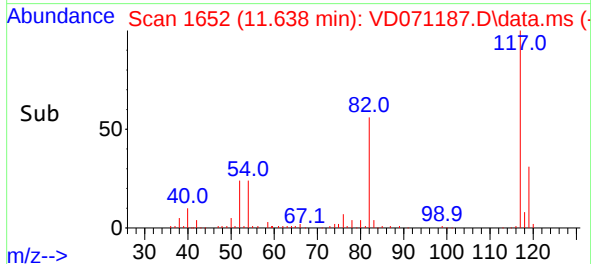
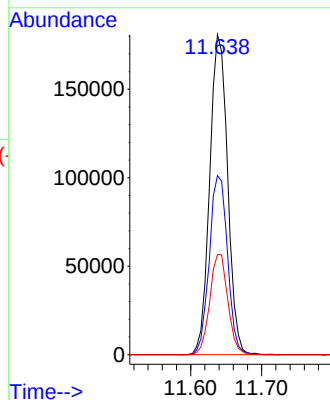
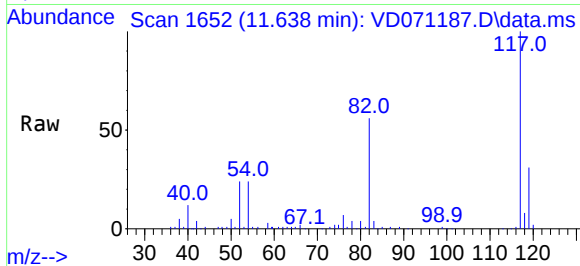




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

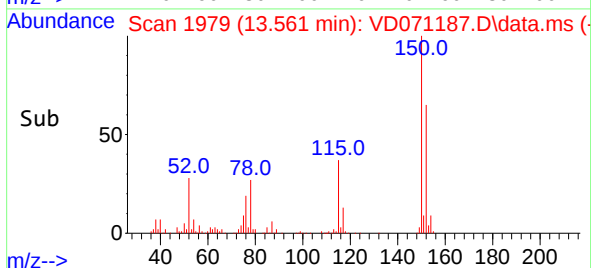
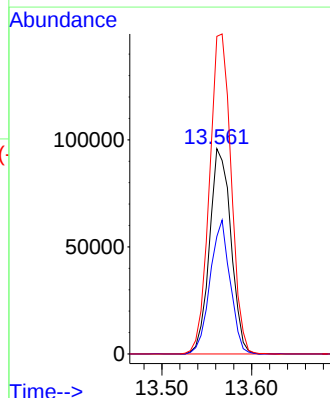
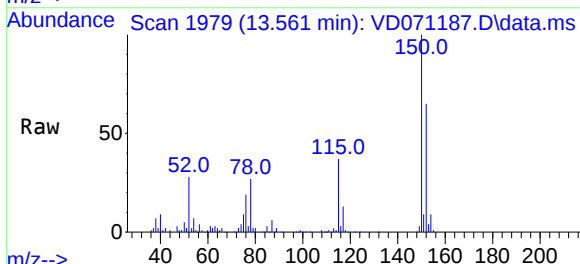
Instrument :
MSVOA_D
ClientSampleId :

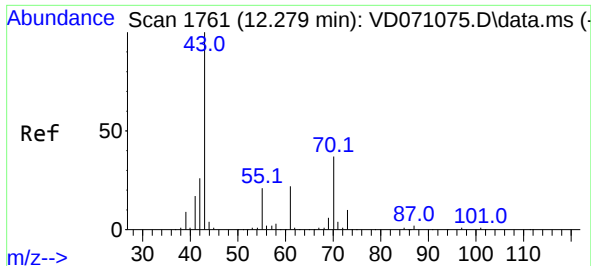
Tgt Ion:117 Resp: 316623
Ion Ratio Lower Upper
117 100
82 56.0 44.7 67.1
119 31.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

Tgt Ion:152 Resp: 158760
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 157.8 0.0 349.2

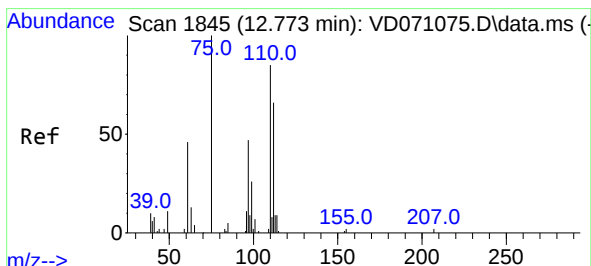
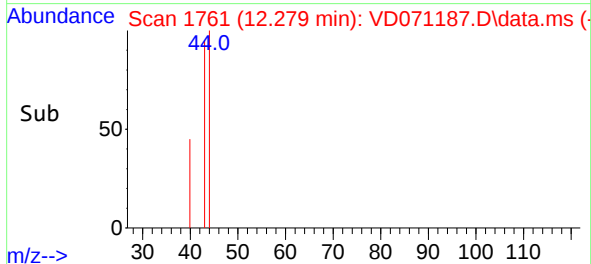
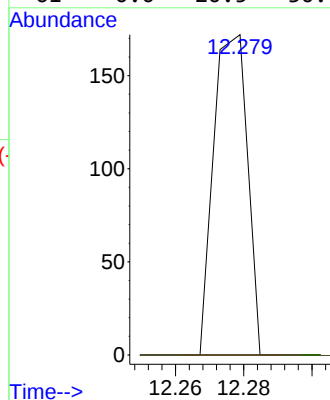
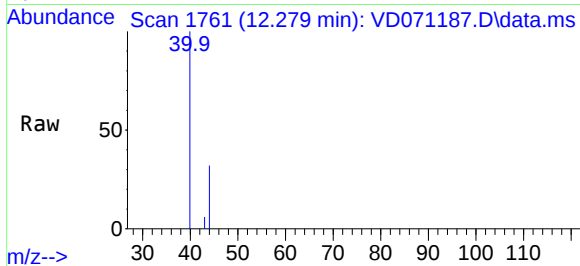




#74
N-amy1 acetate
Concen: 5.73 ug/l
RT: 12.279 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

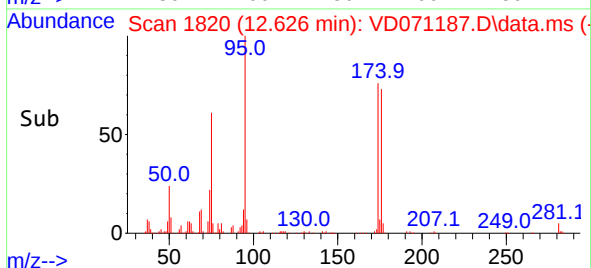
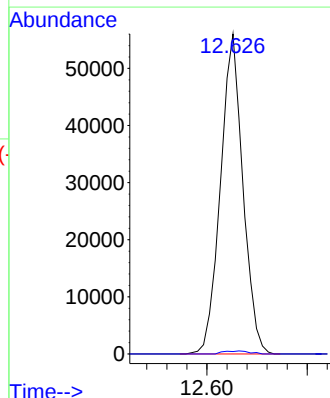
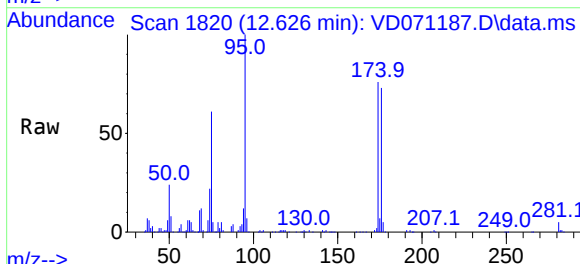
Instrument :
MSVOA_D
ClientSampleId :

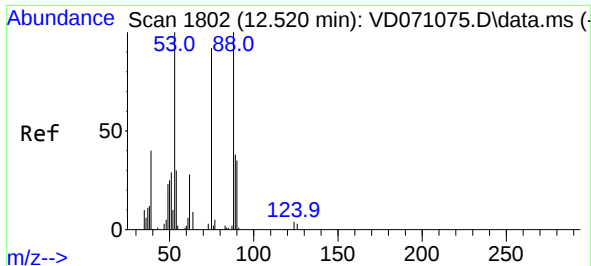
Tgt Ion: 43	Resp:	119
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 57.40 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071187.D
Acq: 07 Dec 2021 17:00

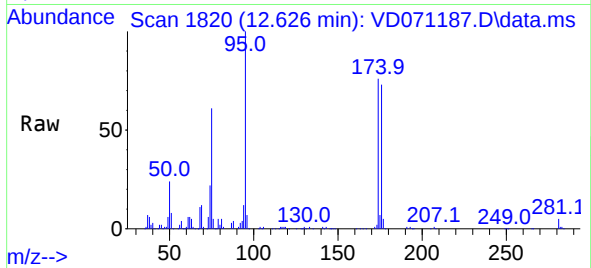
Tgt Ion: 75	Resp:	86824
Ion	Ratio	Lower Upper
75	100	
77	1.1	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.53 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071187.D
 Acq: 07 Dec 2021 17:00

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 86824
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.1 34.5 51.7#

