

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071282.D
 Acq On : 11 Dec 2021 21:03
 Operator : VA/SY
 Sample : M5017-39
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 18:53:19 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)

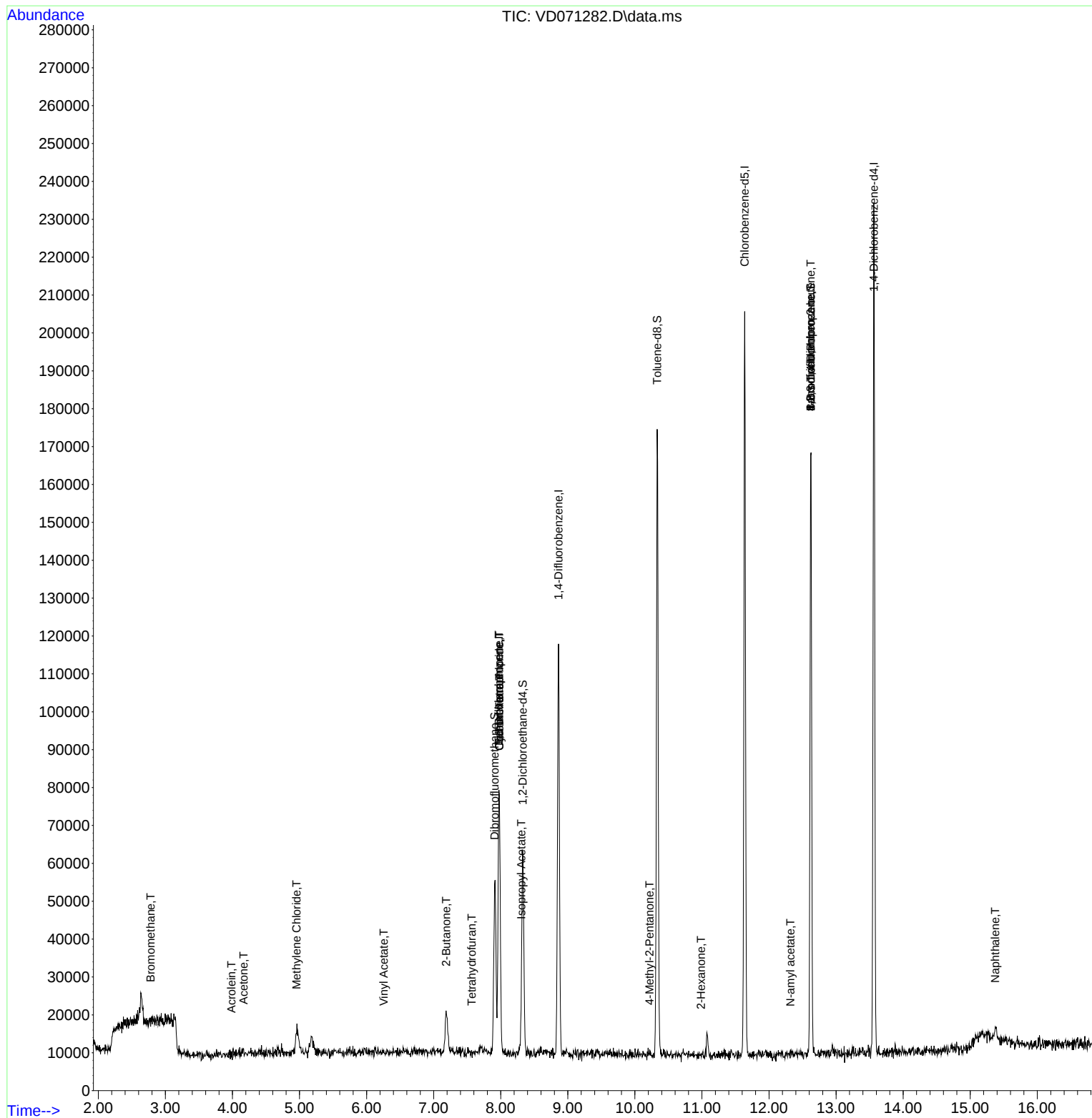
Internal Standards						
1) Pentafluorobenzene	7.973	168	48544	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	85045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	101749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	53175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	42194	74.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.160%	
35) Dibromofluoromethane	7.909	113	31329	57.850	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.700%	
50) Toluene-d8	10.332	98	109034	52.906	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.820%	
62) 4-Bromofluorobenzene	12.620	95	51994	72.781	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 145.560%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	479	1.087	ug/l #	3
11) Tert butyl alcohol	5.250	59	54	Below Cal	#	71
13) Acrolein	3.985	56	58	1.490	ug/l #	13
16) Acetone	4.168	43	1456	39.237	ug/l #	40
20) Methylene Chloride	4.956	84	4282	3.572	ug/l #	83
23) Vinyl Acetate	6.256	43	81	27.296	ug/l #	72
25) 2-Butanone	7.185	43	443	30.607	ug/l #	45
29) Tetrahydrofuran	7.567	42	102	1.128	ug/l #	34
31) Cyclohexane	7.979	56	1133	1.169	ug/l #	48
36) 1,1-Dichloropropene	7.973	75	5211	6.556	ug/l #	46
38) Carbon Tetrachloride	7.979	117	5688	7.259	ug/l #	19
41) Methacrylonitrile	7.562	41	109	Below Cal	#	28
43) Isopropyl Acetate	8.309	43	112	5.356	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	293	31.316	ug/l #	74
59) 2-Hexanone	10.985	43	54	34.733	ug/l #	22
71) Bromoform	12.620	173	497	1.392	ug/l #	1
74) N-amyl acetate	12.320	43	74	5.763	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	27813	54.898	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	27813	119.350	ug/l #	18
95) Naphthalene	15.373	128	3354	2.160	ug/l #	92

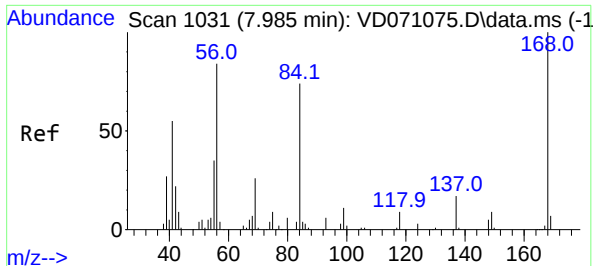
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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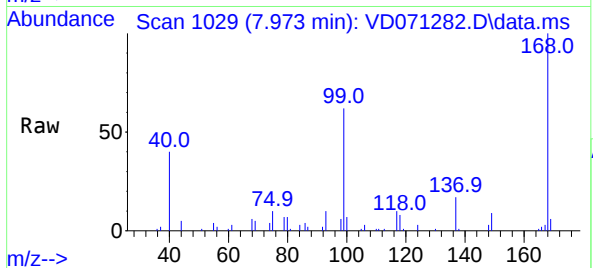
Quant Time: Dec 12 18:53:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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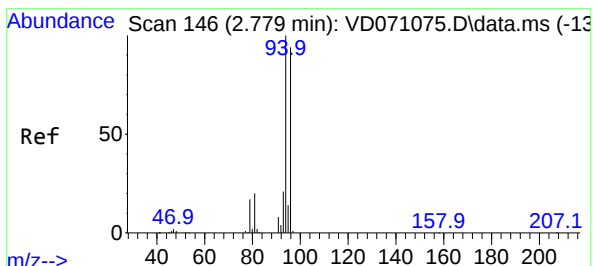
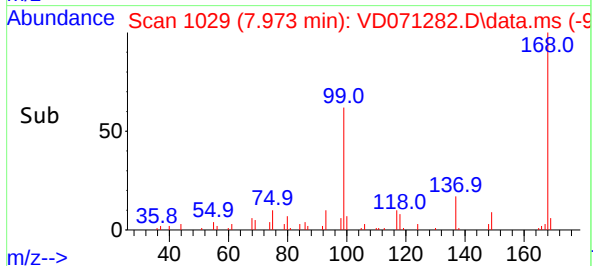
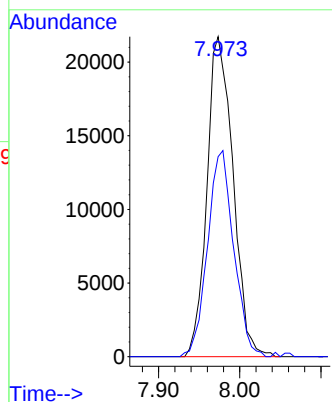


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :

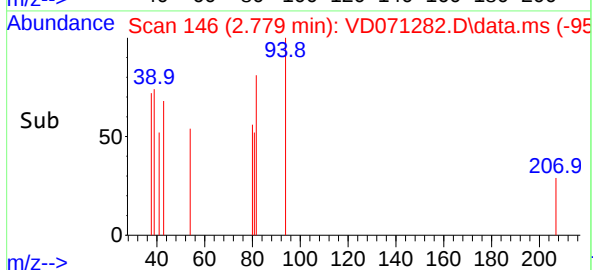
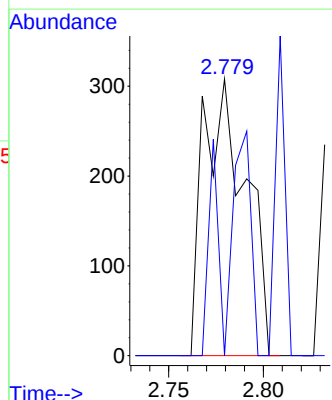
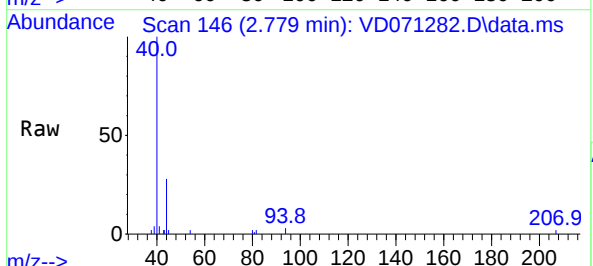


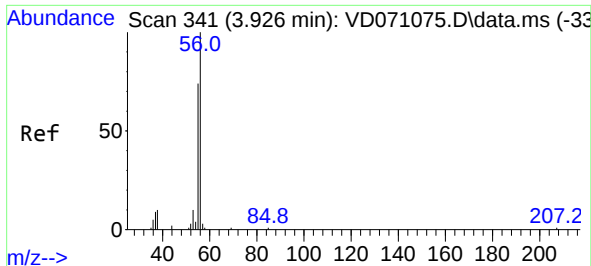
Tgt Ion:168 Resp: 48544
Ion Ratio Lower Upper
168 100
99 62.5 46.6 69.8



#5
Bromomethane
Concen: 1.087 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.000 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

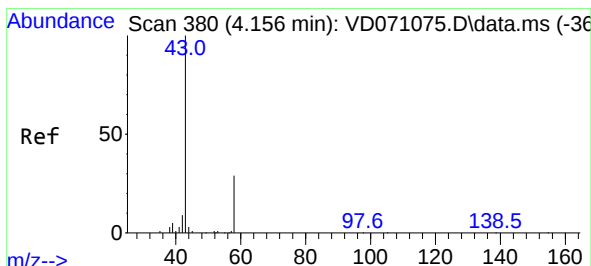
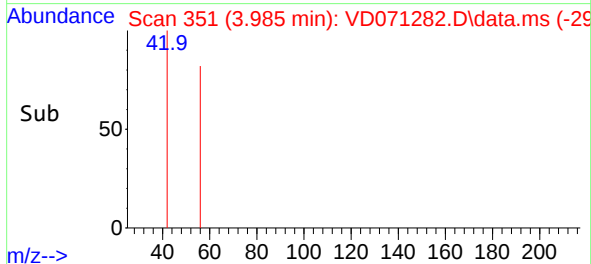
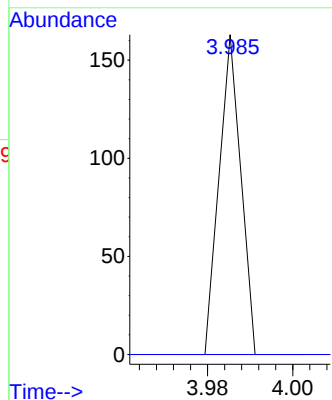
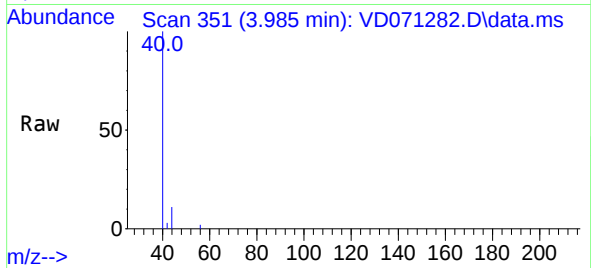




#13
Acrolein
Concen: 1.490 ug/l
RT: 3.985 min Scan# 31
Delta R.T. 0.059 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

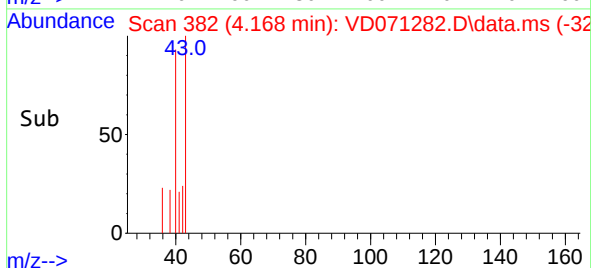
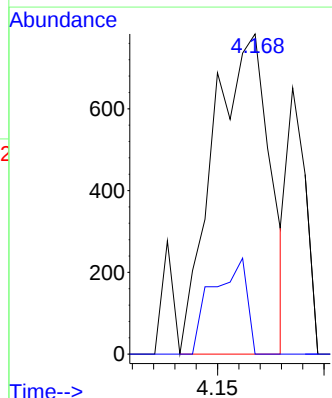
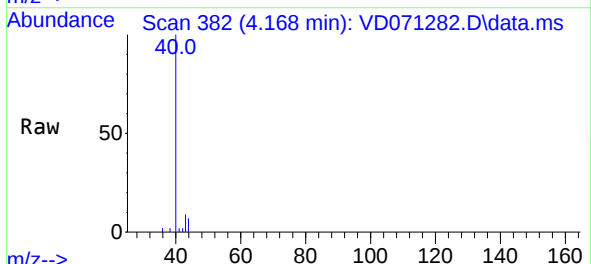
Instrument :
MSVOA_D
ClientSampleId :

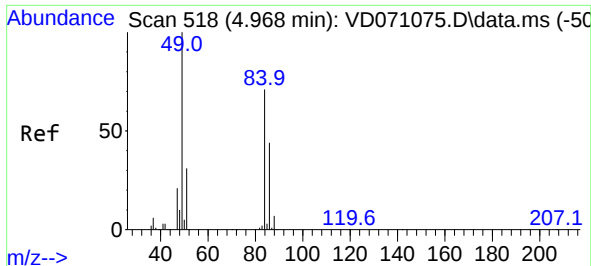
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 39.237 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

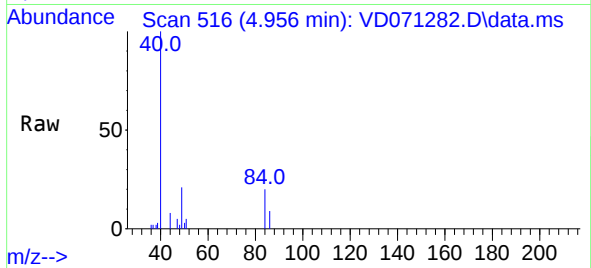
Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



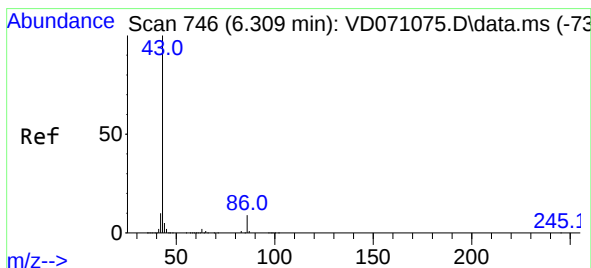
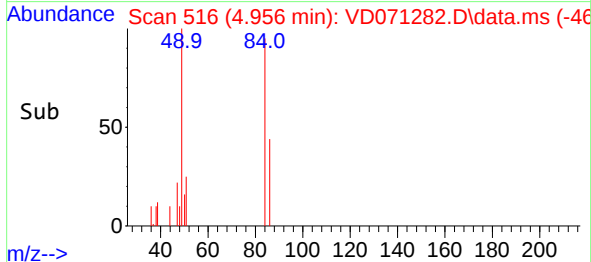
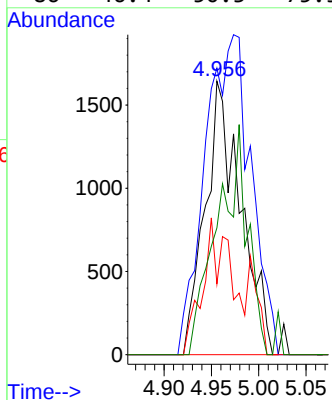


#20
Methylene Chloride
Concen: 3.572 ug/l
RT: 4.956 min Scan# 518
Delta R.T. -0.012 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :

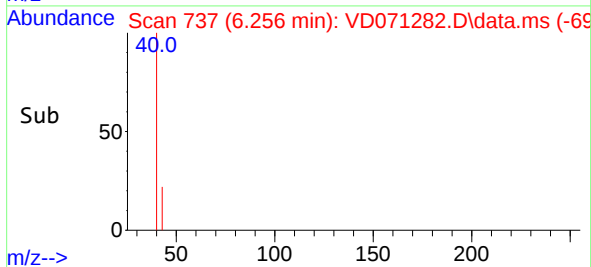
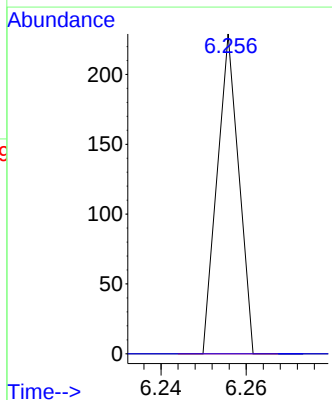
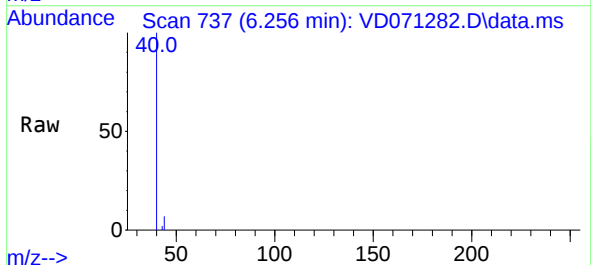


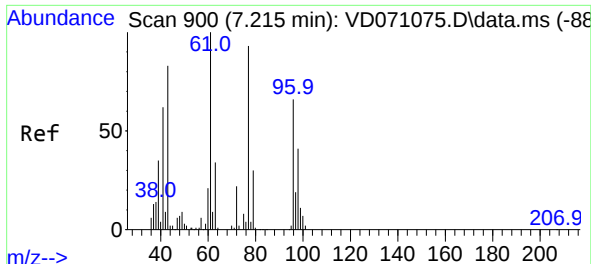
Tgt Ion: 84 Resp: 4282
Ion Ratio Lower Upper
84 100
49 104.8 95.8 143.6
51 25.9 30.9 46.3#
86 46.4 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.296 ug/l
RT: 6.256 min Scan# 737
Delta R.T. -0.053 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

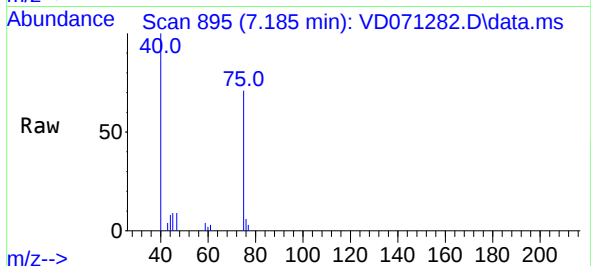
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



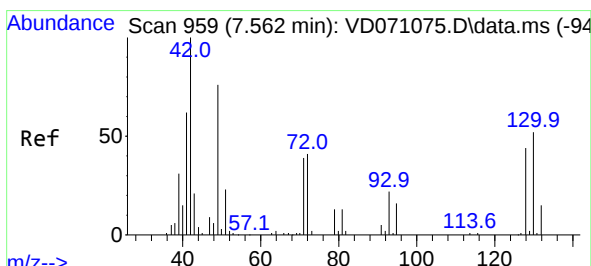
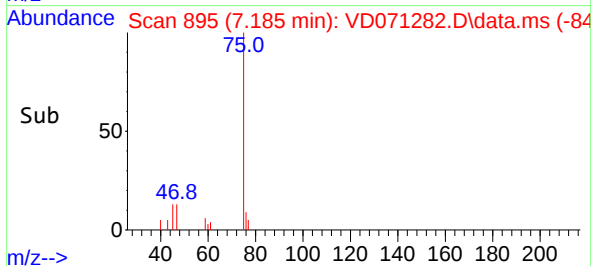
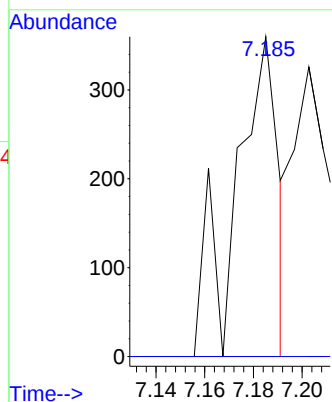


#25
2-Butanone
Concen: 30.607 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.030 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :

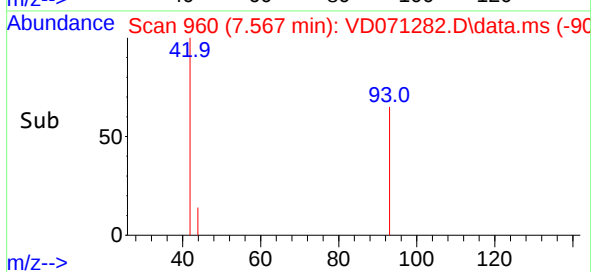
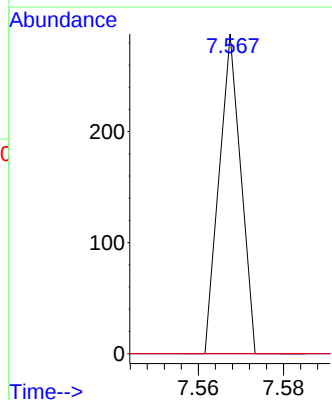
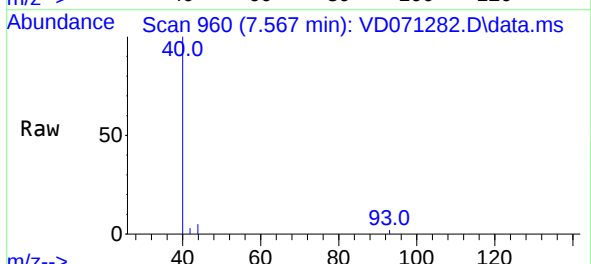


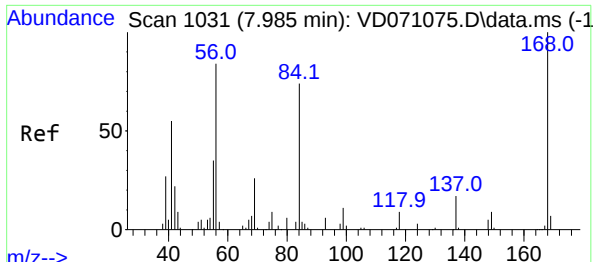
Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.128 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.005 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

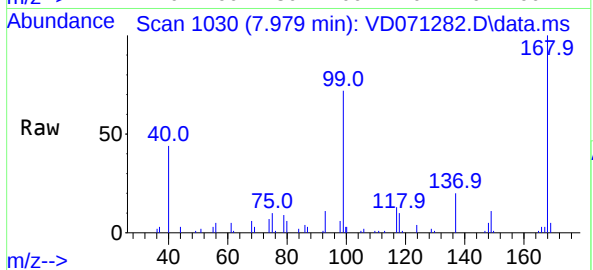
Tgt Ion: 42 Resp: 102
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



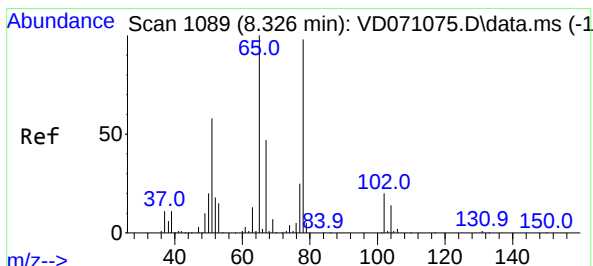
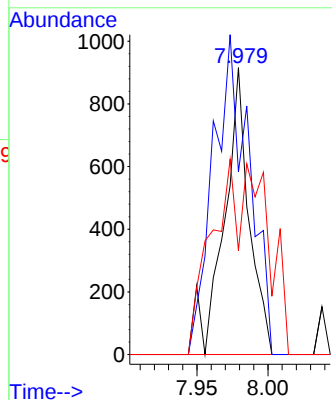
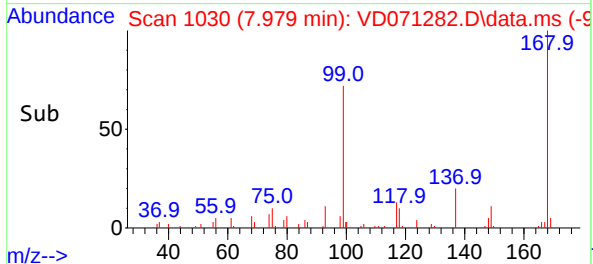


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

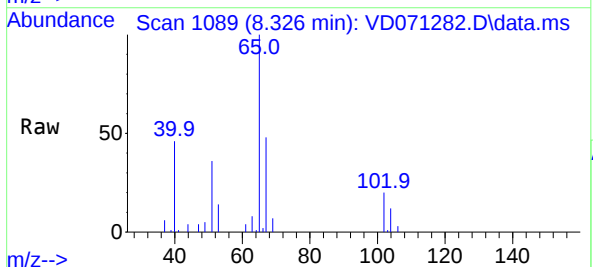
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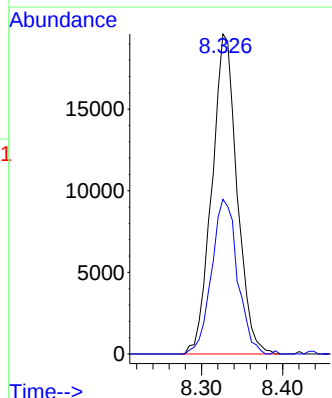
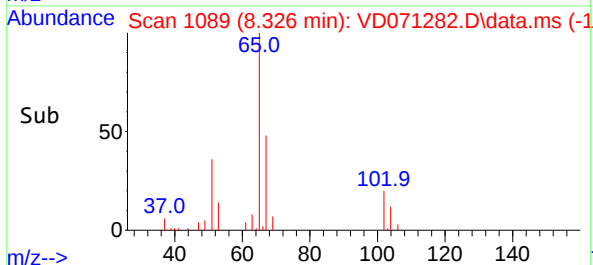
Tgt Ion: 56 Resp: 1133
Ion Ratio Lower Upper
56 100
69 63.6 25.9 38.9#
84 36.2 64.3 96.5#

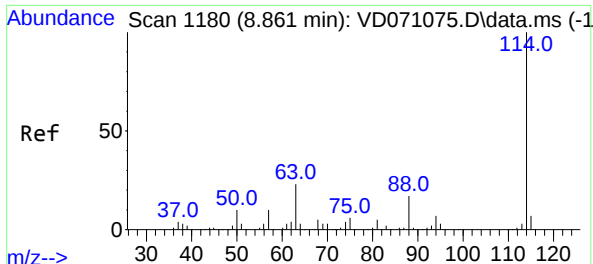


#33
1,2-Dichloroethane-d4
Concen: 74.076 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03



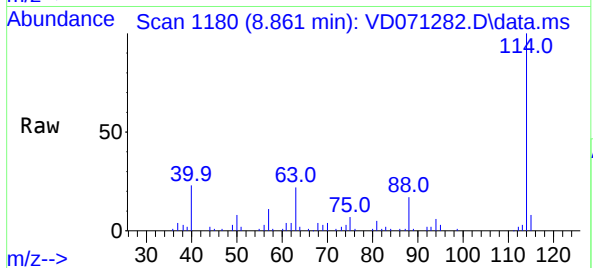
Tgt Ion: 65 Resp: 42194
Ion Ratio Lower Upper
65 100
67 49.8 0.0 112.2



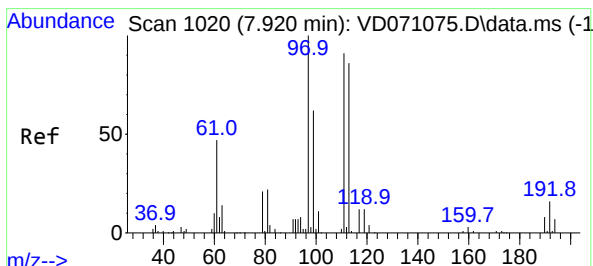
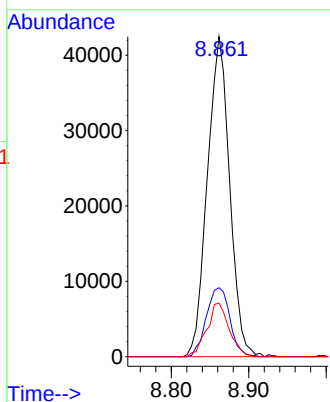
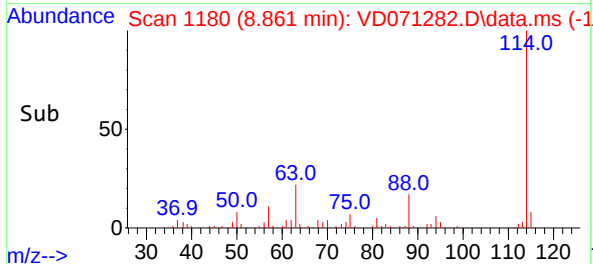


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

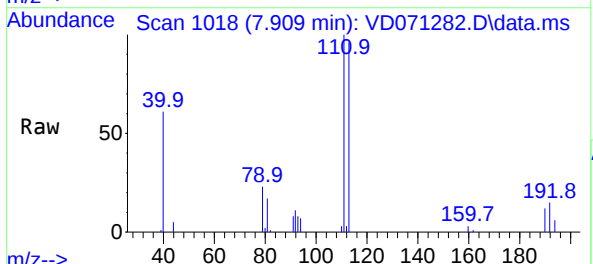
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MSVOA_D
ClientSampleId :



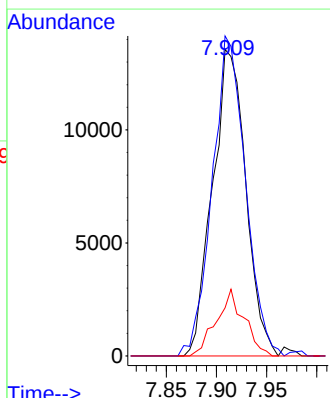
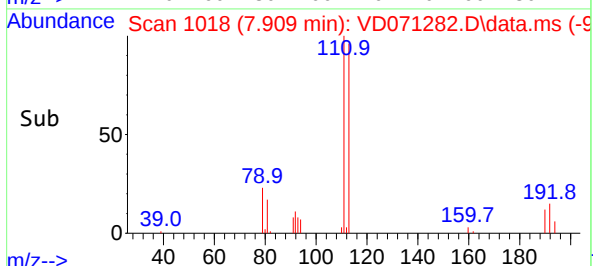
Tgt Ion:114 Resp: 85045
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 16.7 0.0 32.8

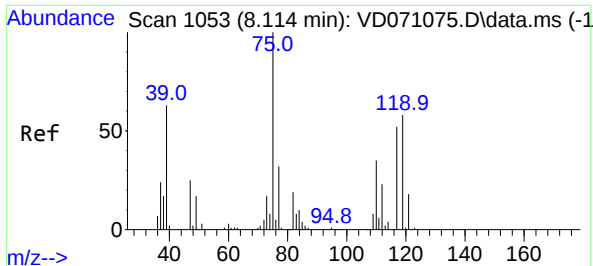


#35
Dibromofluoromethane
Concen: 57.850 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03



Tgt Ion:113 Resp: 31329
Ion Ratio Lower Upper
113 100
111 103.8 82.0 123.0
192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.556 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071282.D

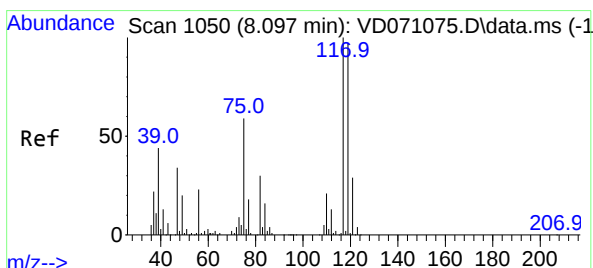
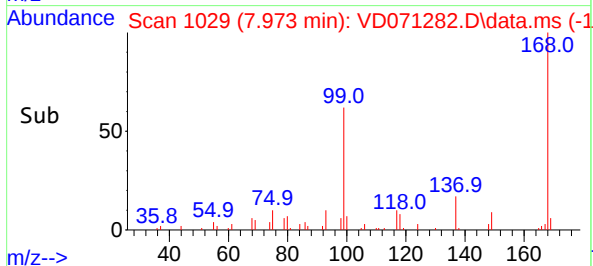
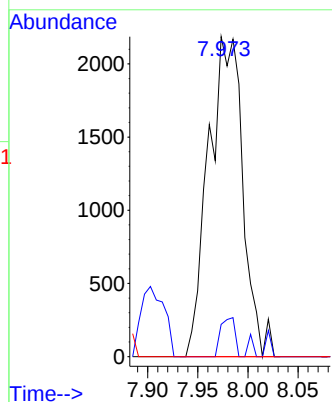
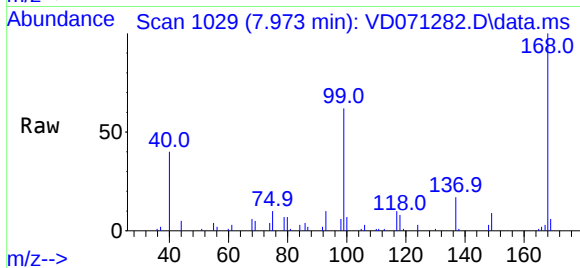
Acq: 11 Dec 2021 21:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	5211
Ion	Ratio	Lower	Upper
75	100		
110	5.0	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.259 ug/l

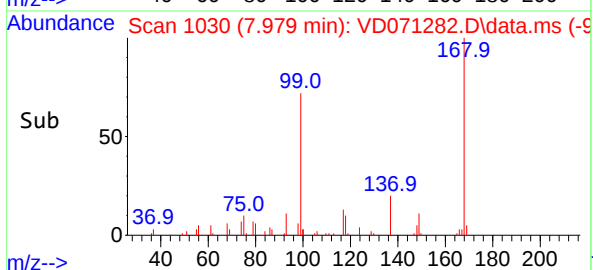
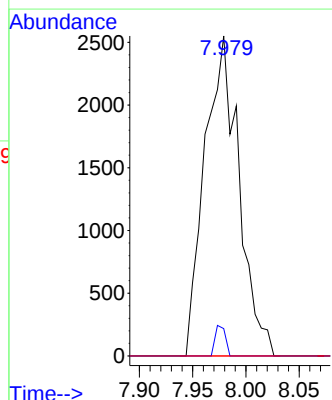
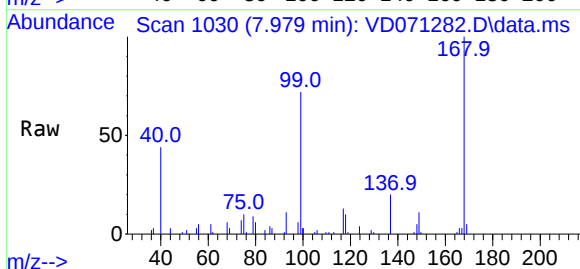
RT: 7.979 min Scan# 1030

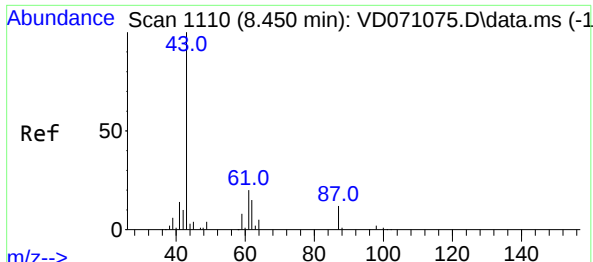
Delta R.T. -0.118 min

Lab File: VD071282.D

Acq: 11 Dec 2021 21:03

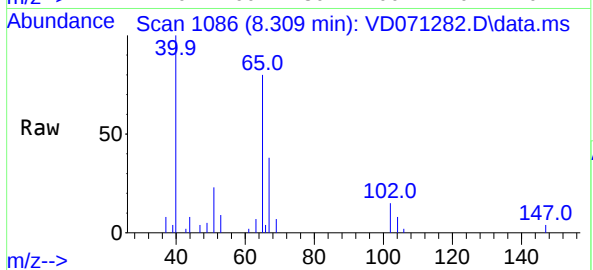
Tgt Ion:	117	Resp:	5688
Ion	Ratio	Lower	Upper
117	100		
119	8.5	75.8	113.6#
121	0.0	23.6	35.4#



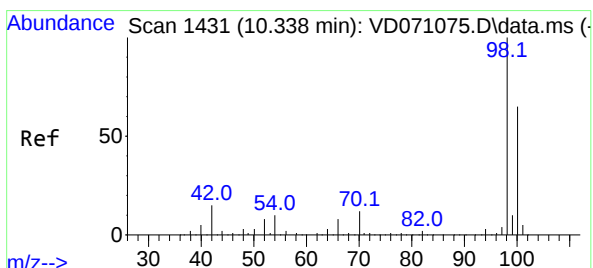
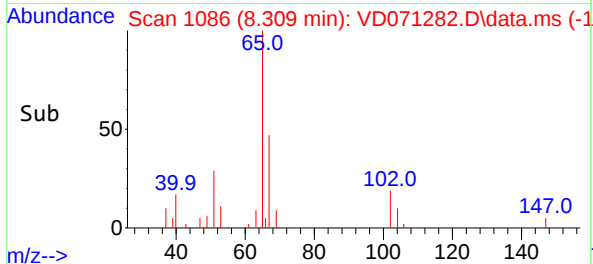
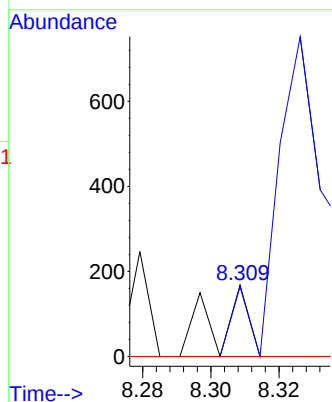


#43
Isopropyl Acetate
Concen: 5.356 ug/l
RT: 8.309 min Scan# 1110
Delta R.T. -0.141 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :

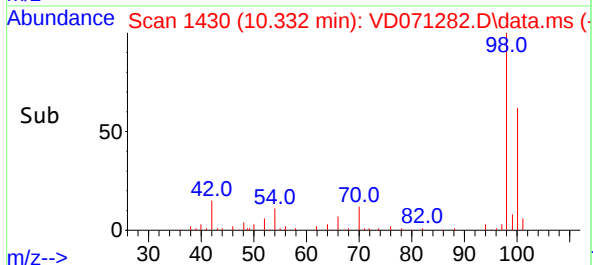
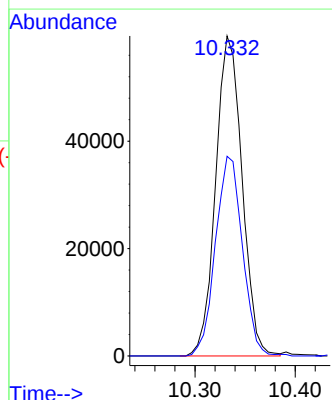
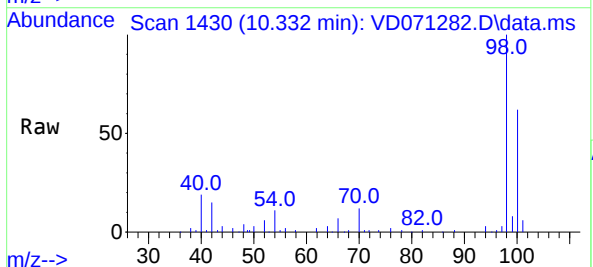


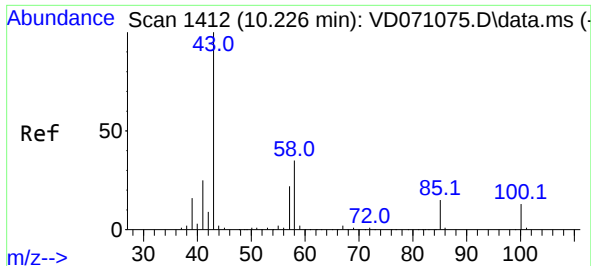
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
61 954.5 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.906 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion: 98 Resp: 109034
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6

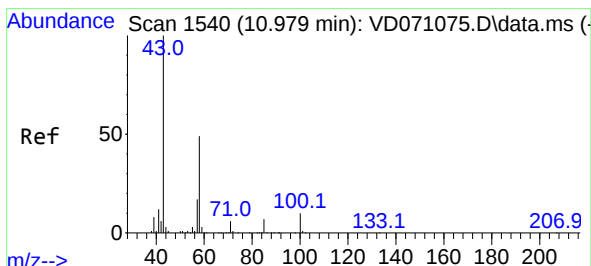
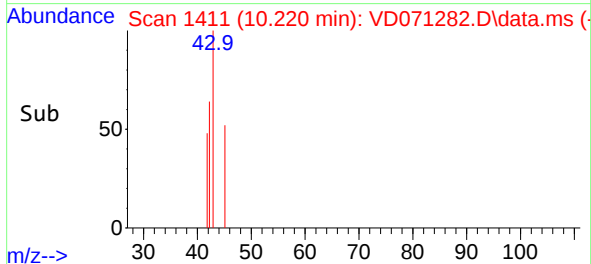
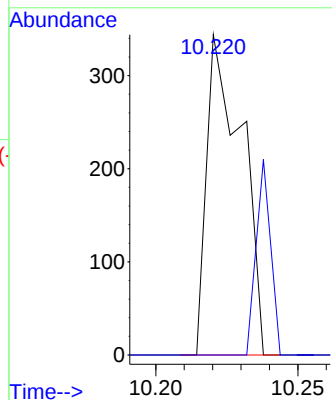
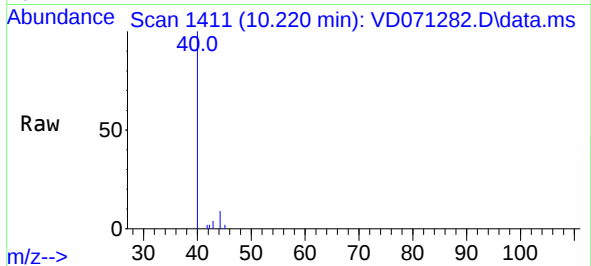




#51
4-Methyl-2-Pentanone
Concen: 31.316 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

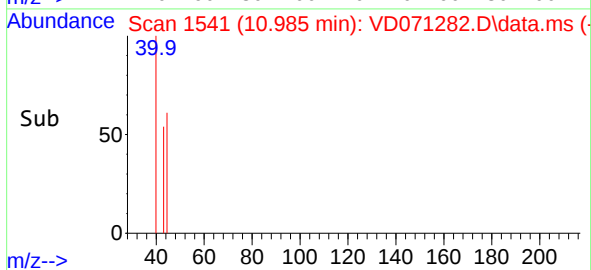
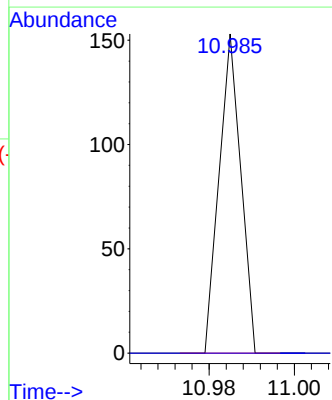
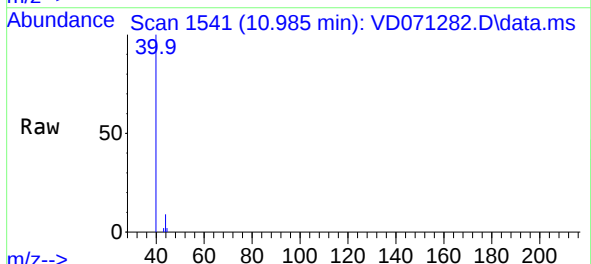
Instrument :
MSVOA_D
ClientSampleId :

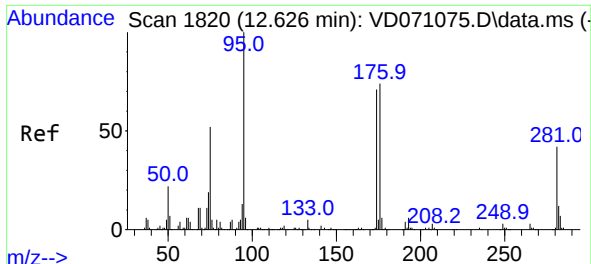
Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
58 25.3 33.1 49.7#



#59
2-Hexanone
Concen: 34.733 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

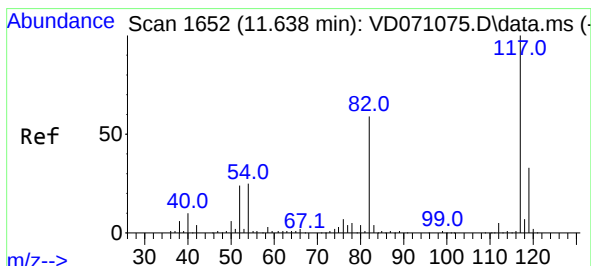
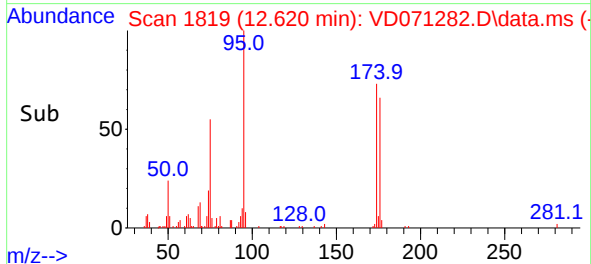
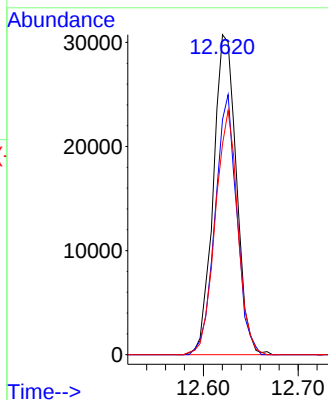
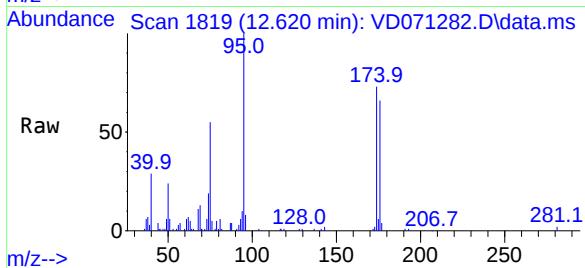




#62
4-Bromofluorobenzene
Concen: 72.781 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

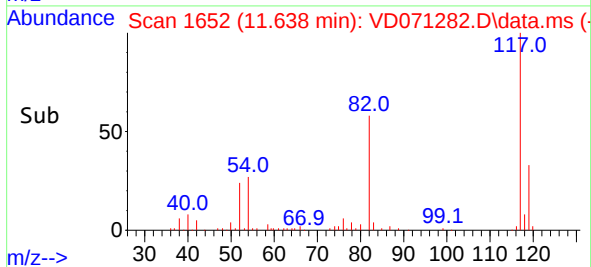
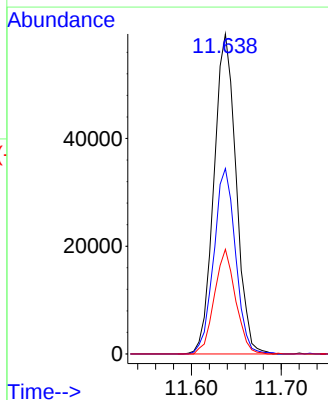
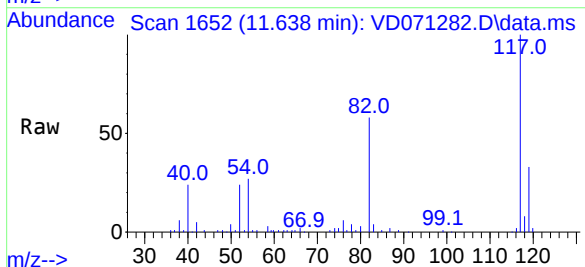
Instrument :
MSVOA_D
ClientSampleId :

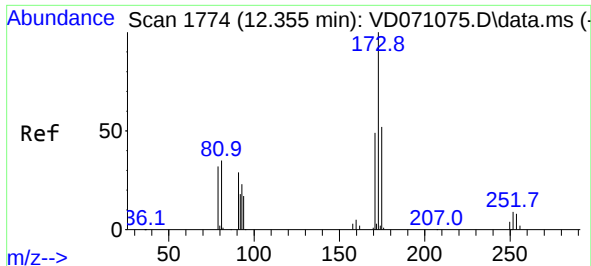
Tgt Ion: 95 Resp: 51994
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 74.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion: 117 Resp: 101749
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 32.7 26.2 39.4

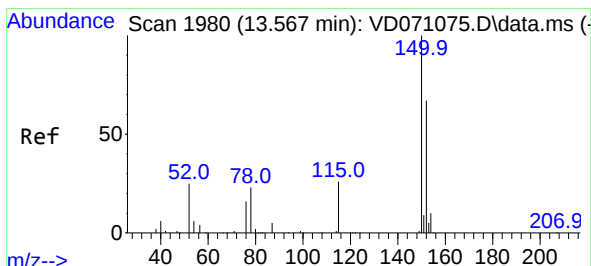
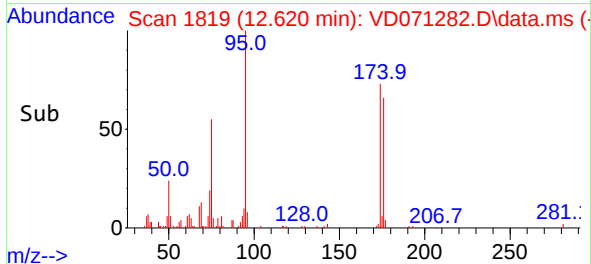
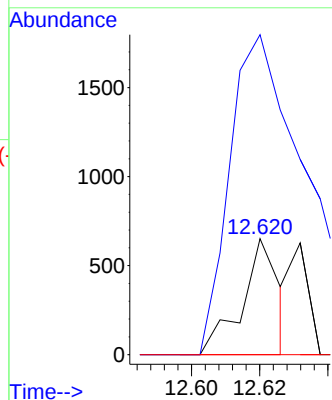
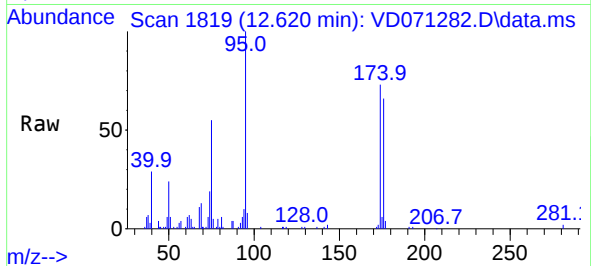




#71
Bromoform
Concen: 1.392 ug/l
RT: 12.620 min Scan# 1774
Delta R.T. 0.265 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

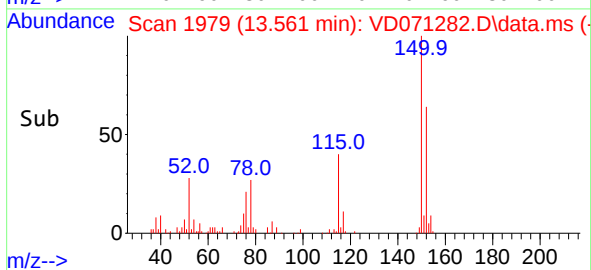
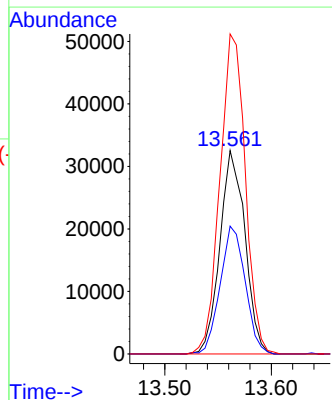
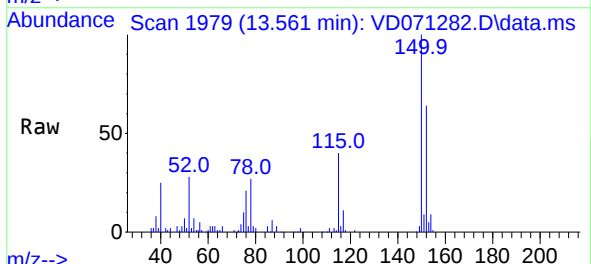
Instrument :
MSVOA_D
ClientSampleId :

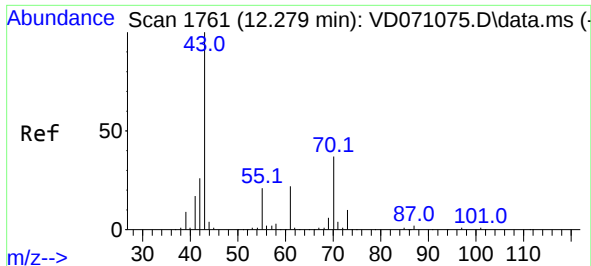
Tgt Ion:173 Resp: 497
Ion Ratio Lower Upper
173 100
175 457.1 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion:152 Resp: 53175
Ion Ratio Lower Upper
152 100
115 62.9 29.8 89.3
150 159.4 0.0 349.2

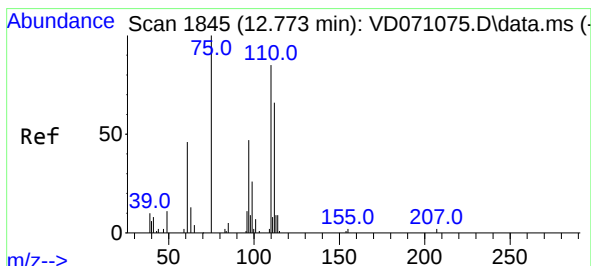
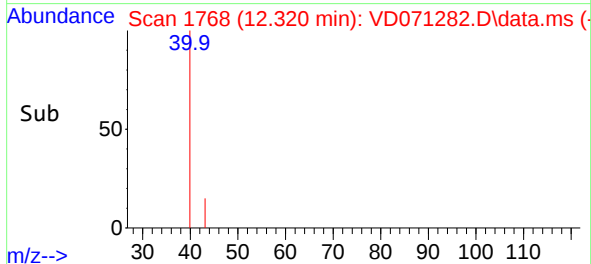
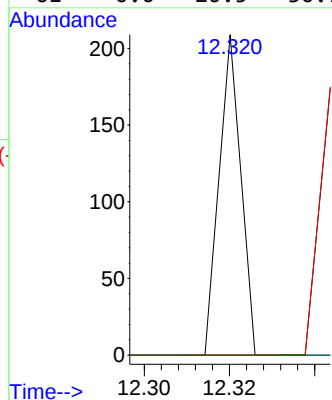
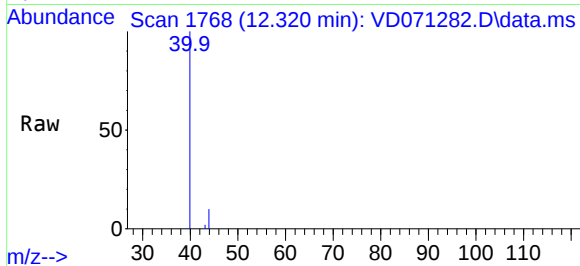




#74
N-amy1 acetate
Concen: 5.763 ug/l
RT: 12.320 min Scan# 1819
Delta R.T. 0.041 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

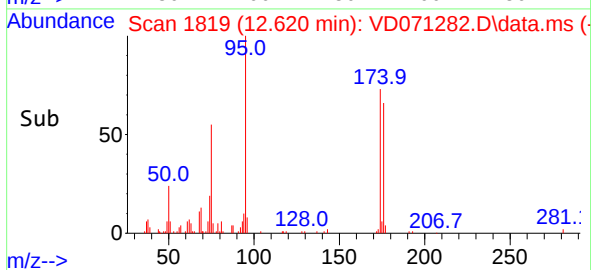
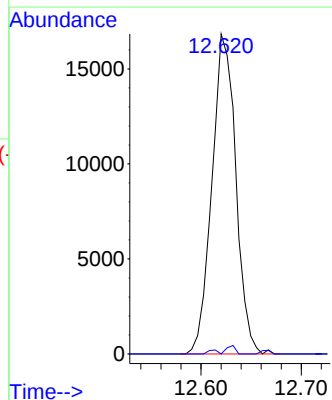
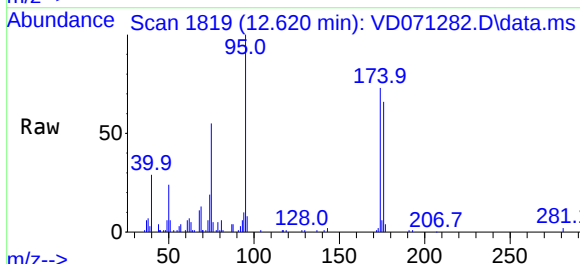
Instrument :
MSVOA_D
ClientSampleId :

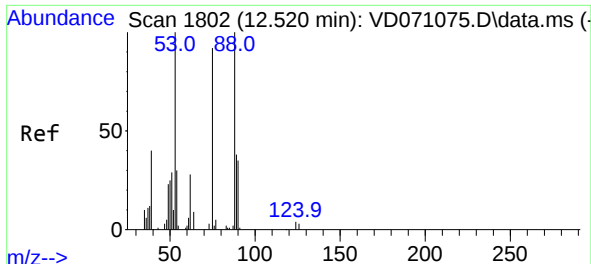
Tgt Ion: 43	Resp: 74
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 54.898 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion: 75	Resp: 27813
Ion Ratio	Lower Upper
75 100	
77 1.5	158.4 475.3#

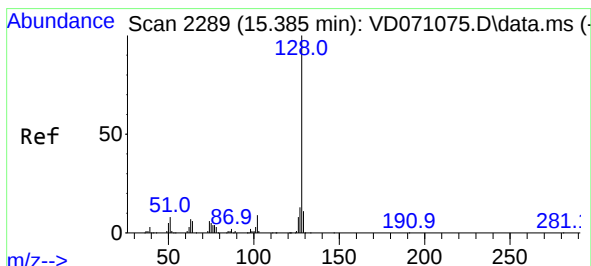
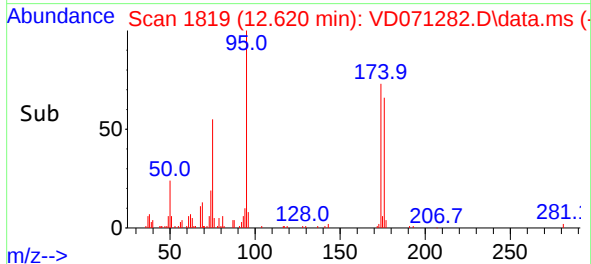
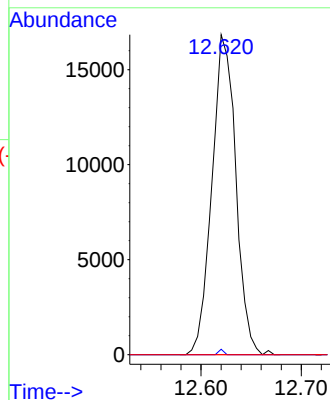
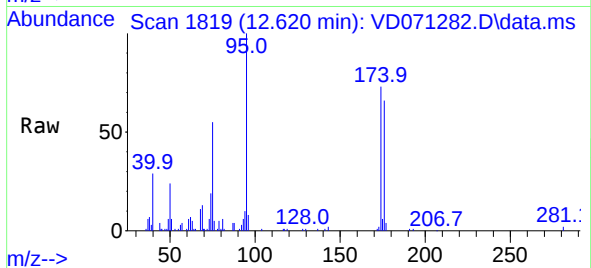




#81
trans-1,4-Dichloro-2-butene
Concen: 119.350 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 27813
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 2.160 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD071282.D
Acq: 11 Dec 2021 21:03

Tgt Ion:128 Resp: 3354
Ion Ratio Lower Upper
128 100
127 15.4 10.7 16.1
129 6.1 8.7 13.1#

