

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071322.D
 Acq On : 14 Dec 2021 15:56
 Operator : VA/SY
 Sample : M5064-03
 Misc : 5.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:30:50 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)

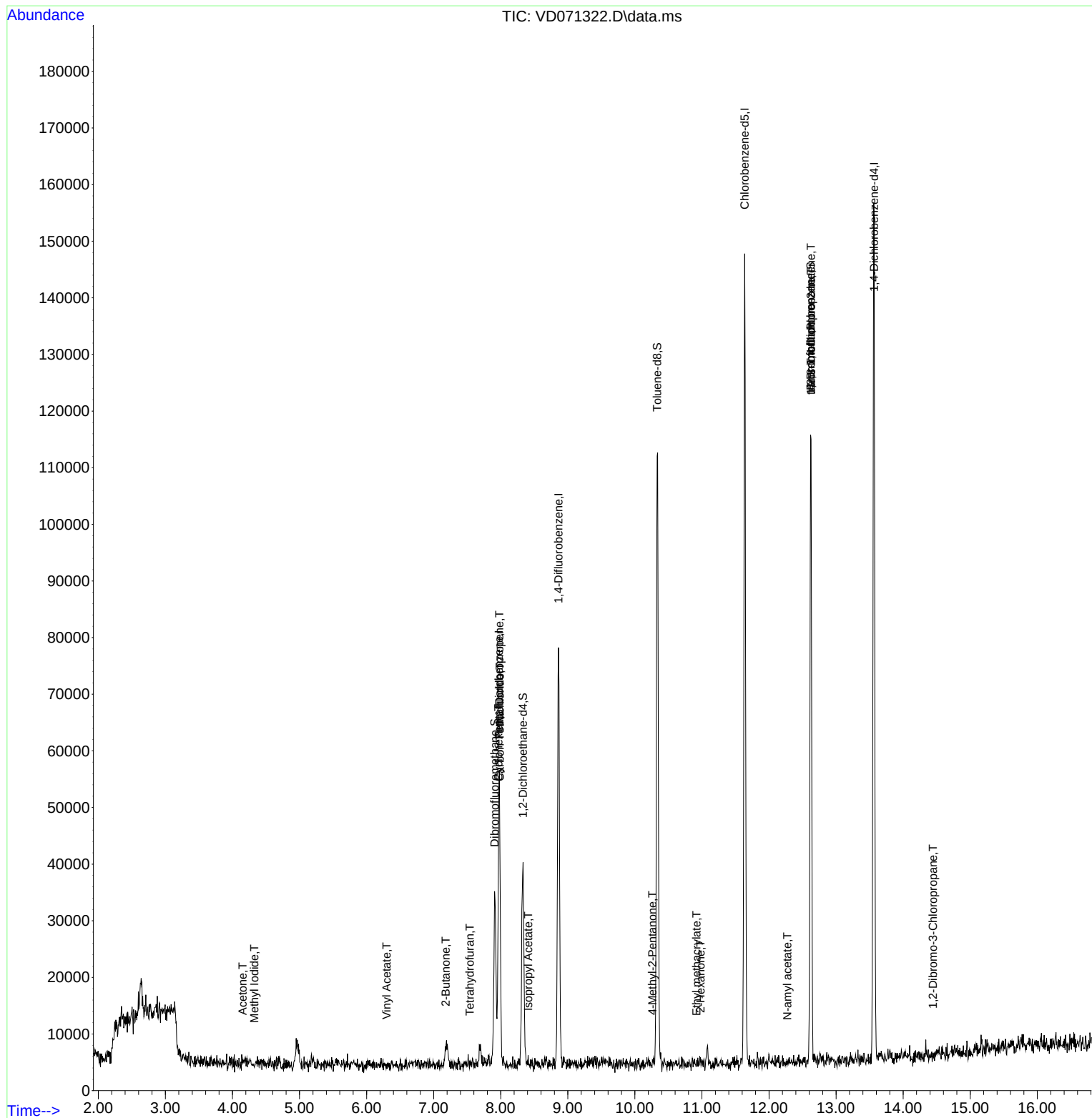
Internal Standards						
1) Pentafluorobenzene	7.973	168	34107	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	59409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	72395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	39622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	28894	72.198	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.400%	
35) Dibromofluoromethane	7.908	113	20431	54.006	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.020%	
50) Toluene-d8	10.332	98	73342	50.944	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.620	95	35477	71.090	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.180%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.326	142	57	4.690	ug/l #	40
11) Tert butyl alcohol	5.197	59	323	Below Cal	#	71
16) Acetone	4.150	43	780	37.232	ug/l #	40
23) Vinyl Acetate	6.297	43	56	27.295	ug/l #	72
25) 2-Butanone	7.179	43	229	30.013	ug/l #	45
29) Tetrahydrofuran	7.538	42	79	1.243	ug/l #	34
31) Cyclohexane	7.967	56	942	1.384	ug/l #	50
36) 1,1-Dichloropropene	7.979	75	3290	5.925	ug/l #	44
38) Carbon Tetrachloride	7.985	117	4101	7.493	ug/l #	12
41) Methacrylonitrile	7.556	41	137	Below Cal	#	40
43) Isopropyl Acetate	8.408	43	57	5.320	ug/l #	47
51) 4-Methyl-2-Pentanone	10.261	43	192	31.275	ug/l #	34
56) Ethyl methacrylate	10.920	69	57	6.099	ug/l #	28
59) 2-Hexanone	10.979	43	132	35.132	ug/l #	22
71) Bromoform	12.620	173	546	2.149	ug/l #	1
74) N-amyl acetate	12.273	43	130	5.848	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	19523	51.716	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	19523	112.767	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.443	75	150	1.950	ug/l #	4

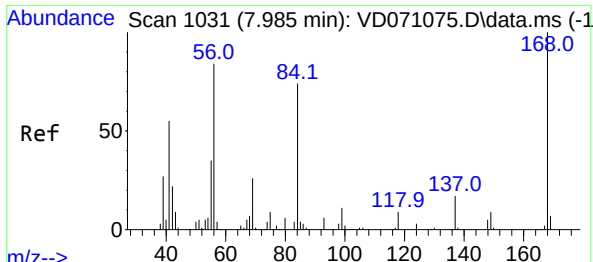
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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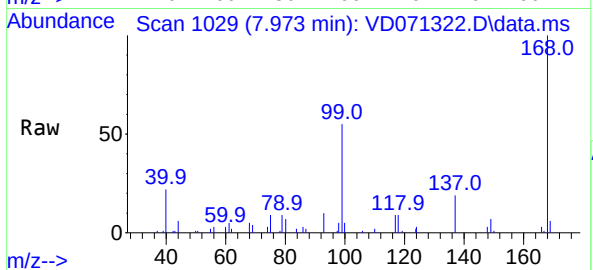
Quant Time: Dec 15 08:30:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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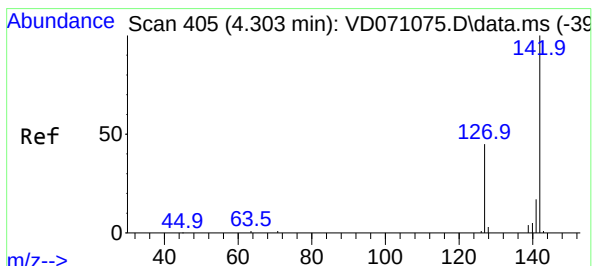
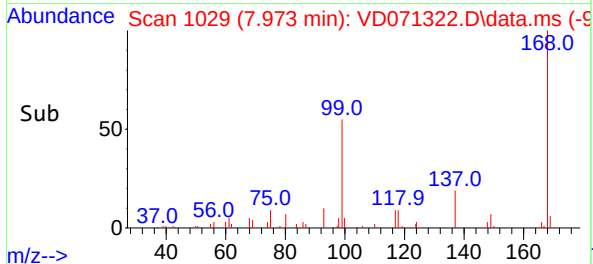
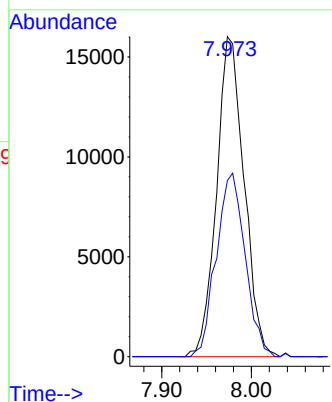


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

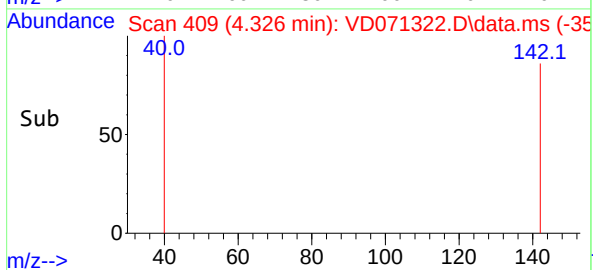
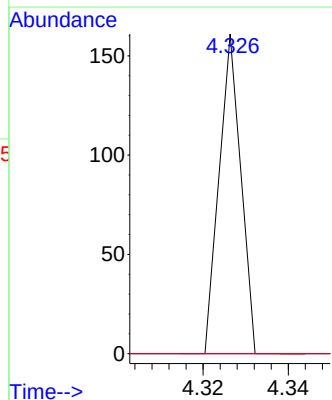
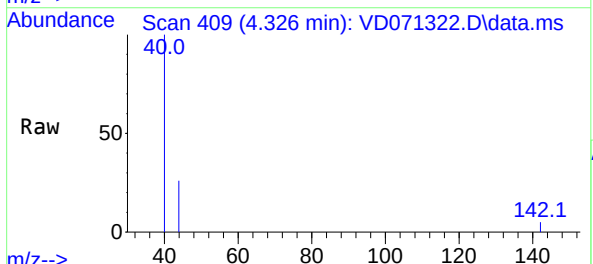


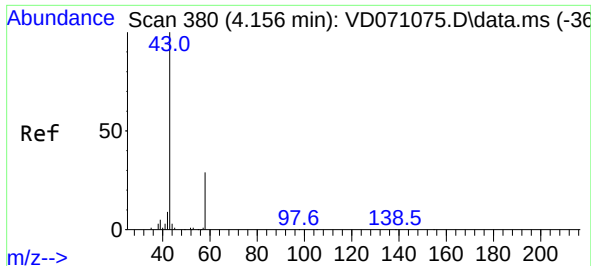
Tgt Ion:168 Resp: 34107
Ion Ratio Lower Upper
168 100
99 55.0 46.6 69.8



#10
Methyl Iodide
Concen: 4.690 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.023 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

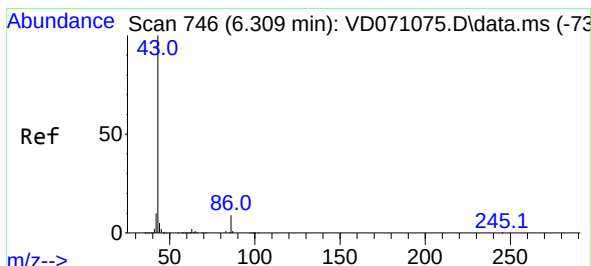
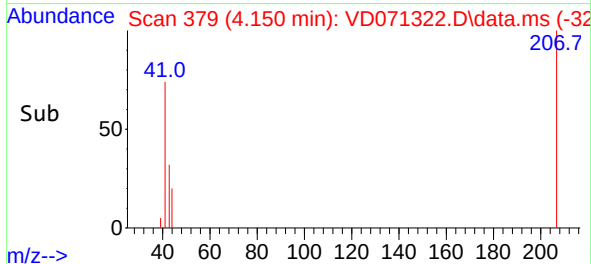
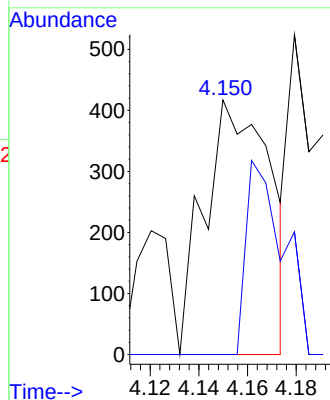
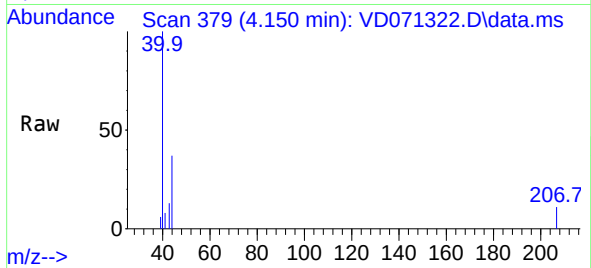




#16
Acetone
Concen: 37.232 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

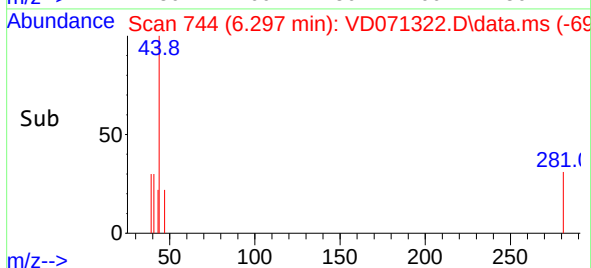
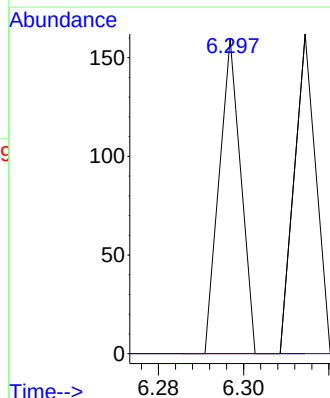
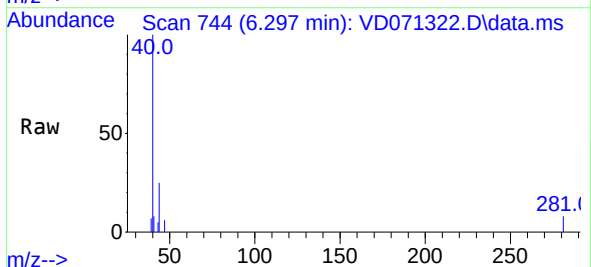
Instrument :
MSVOA_D
ClientSampleId :

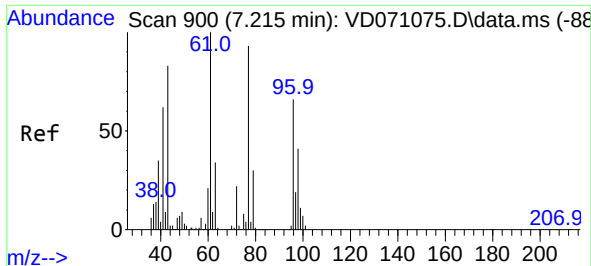
Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.295 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 30.013 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.036 min

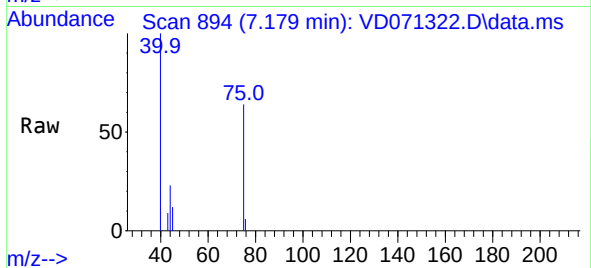
Lab File: VD071322.D

Acq: 14 Dec 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

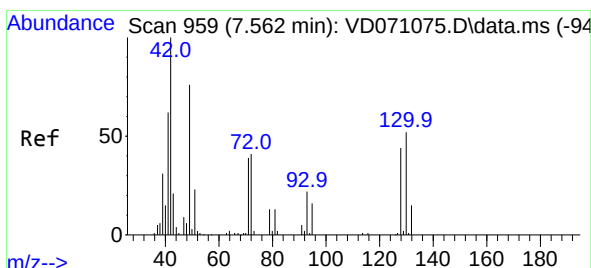
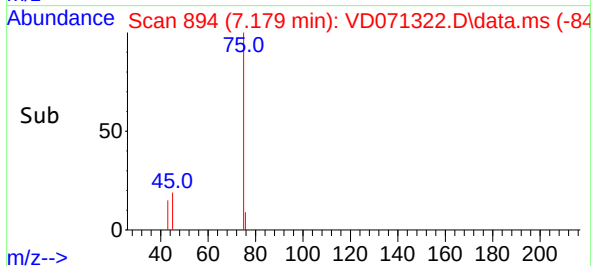
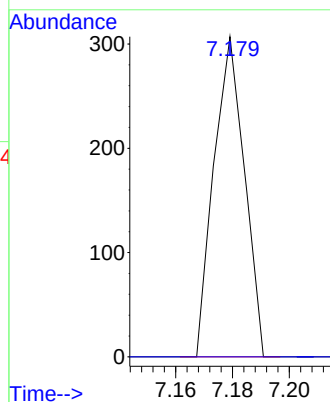


Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 1.243 ug/l

RT: 7.538 min Scan# 955

Delta R.T. -0.024 min

Lab File: VD071322.D

Acq: 14 Dec 2021 15:56

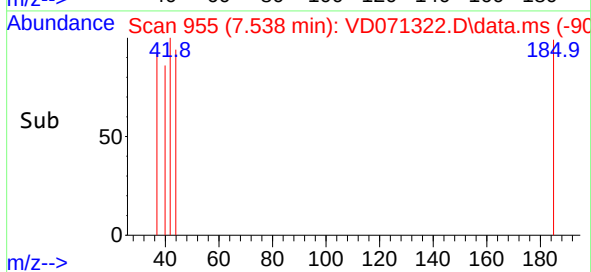
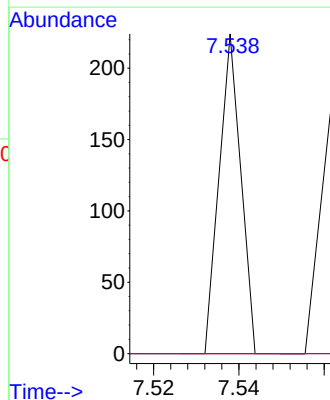
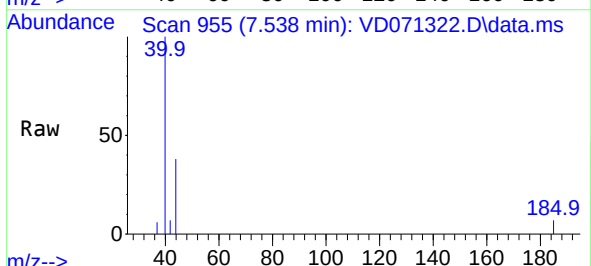
Tgt Ion: 42 Resp: 79

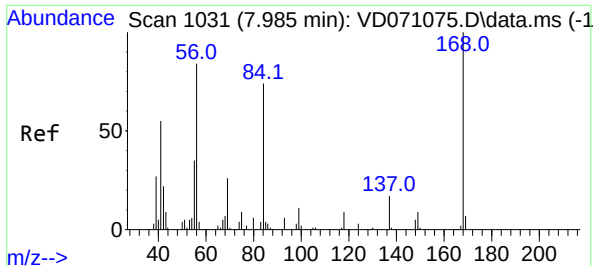
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

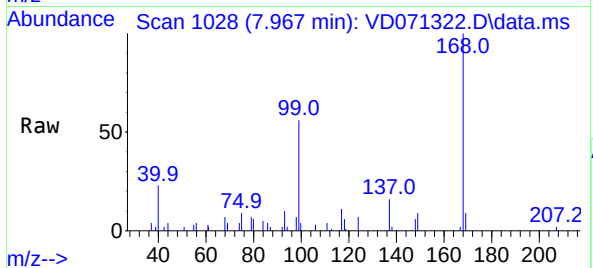
71 0.0 32.7 49.1#



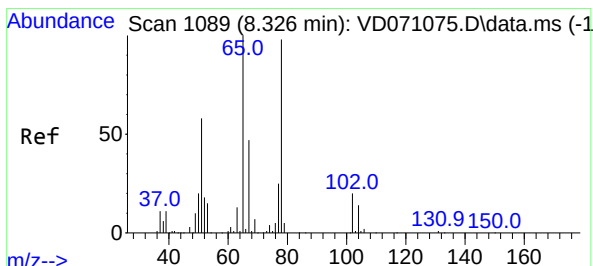
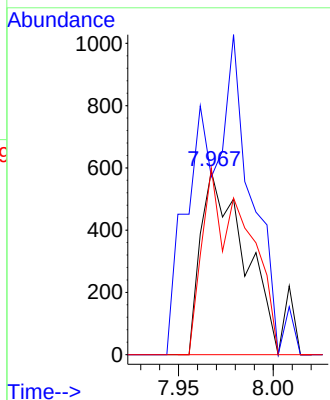
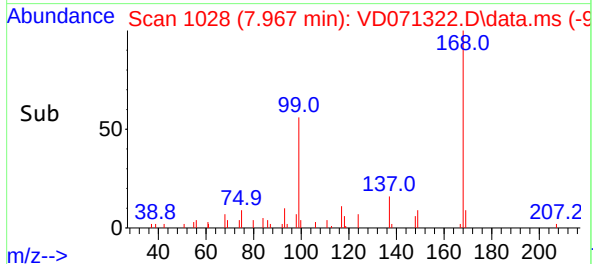


#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

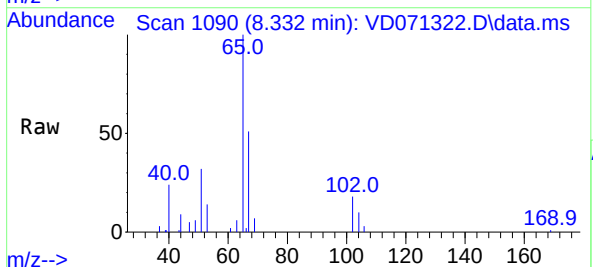
Instrument :
MSVOA_D
ClientSampleId :



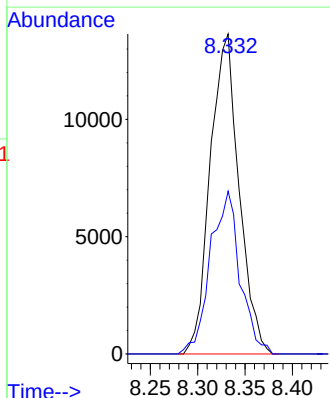
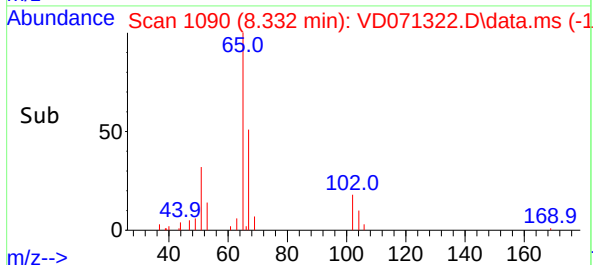
Tgt Ion: 56 Resp: 942
Ion Ratio Lower Upper
56 100
69 96.9 25.9 38.9#
84 101.7 64.3 96.5#

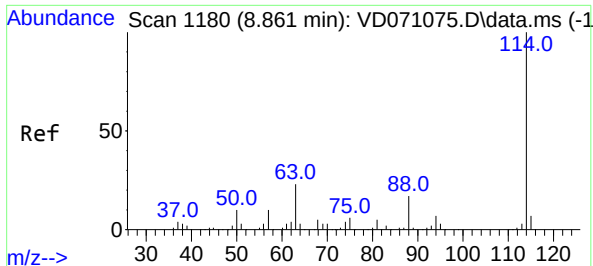


#33
1,2-Dichloroethane-d4
Concen: 72.198 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56



Tgt Ion: 65 Resp: 28894
Ion Ratio Lower Upper
65 100
67 52.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071322.D

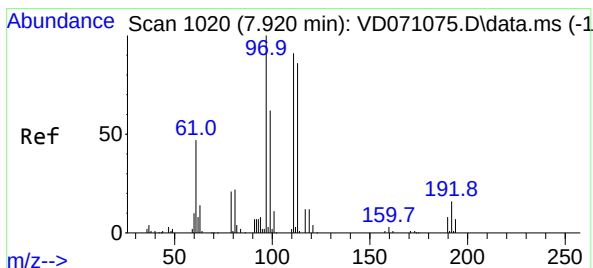
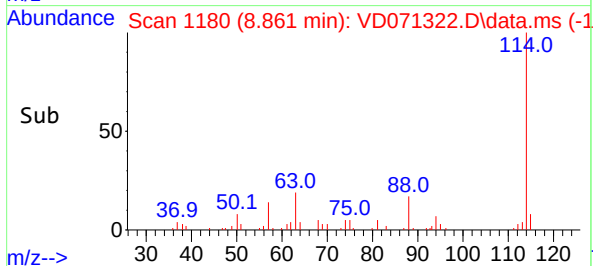
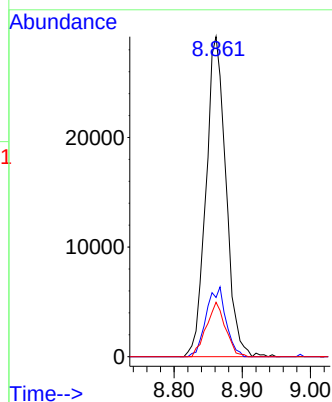
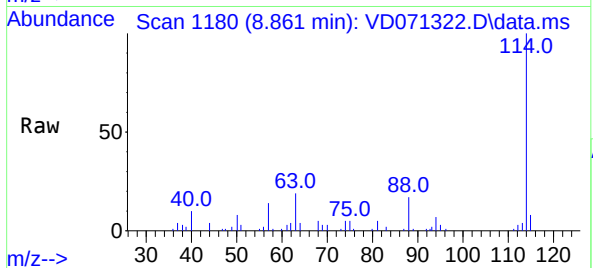
Acq: 14 Dec 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	59409
Ion Ratio	Lower	Upper
114	100	
63	18.5	0.0 41.8
88	17.0	0.0 32.8



#35

Dibromofluoromethane

Concen: 54.006 ug/l

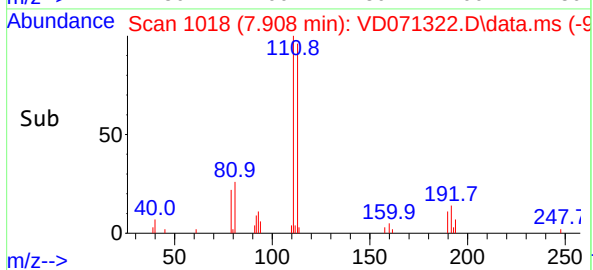
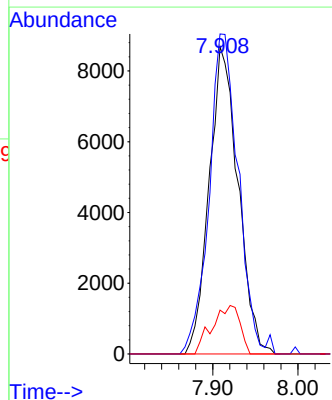
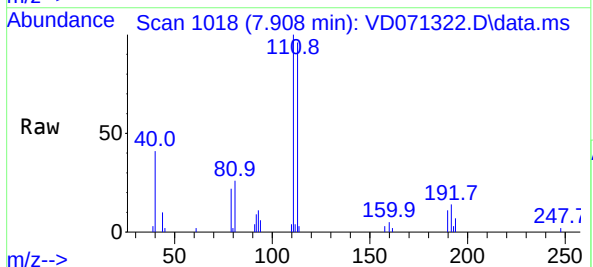
RT: 7.908 min Scan# 1018

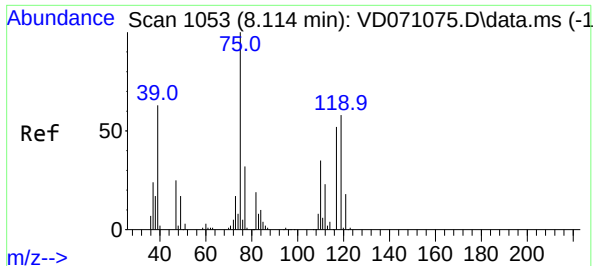
Delta R.T. -0.012 min

Lab File: VD071322.D

Acq: 14 Dec 2021 15:56

Tgt Ion:113	Resp:	20431
Ion Ratio	Lower	Upper
113	100	
111	105.4	82.0 123.0
192	15.3	15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.925 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071322.D

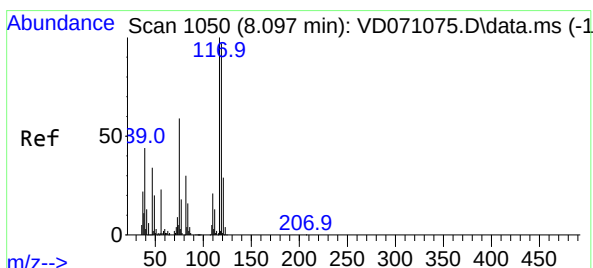
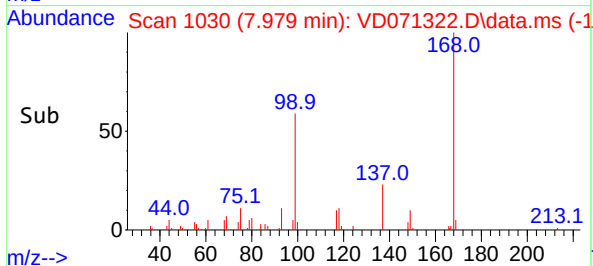
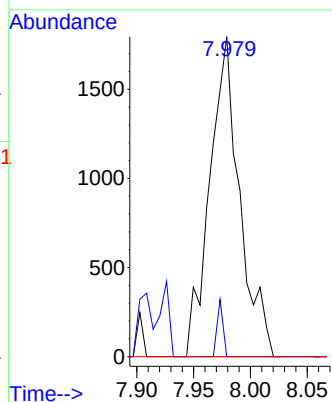
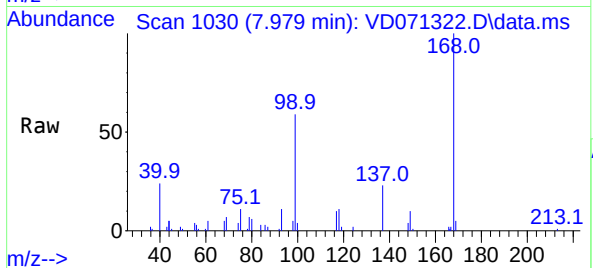
Acq: 14 Dec 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp:	3290
Ion Ratio	Lower	Upper
75	100	
110	3.4	17.8 53.4#
77	0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.493 ug/l

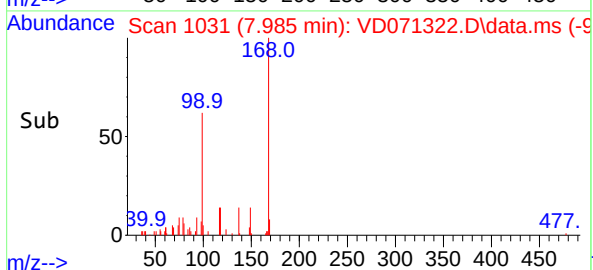
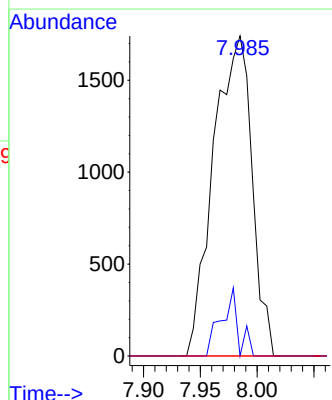
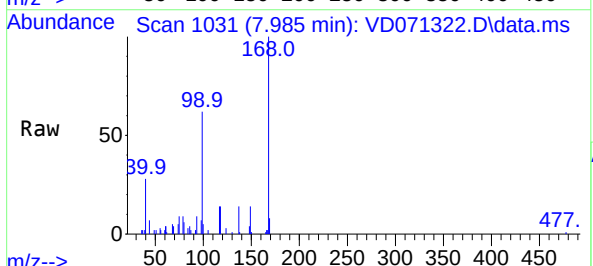
RT: 7.985 min Scan# 1031

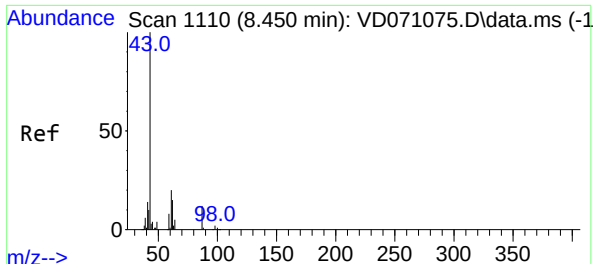
Delta R.T. -0.112 min

Lab File: VD071322.D

Acq: 14 Dec 2021 15:56

Tgt Ion: 117	Resp:	4101
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	23.6 35.4#

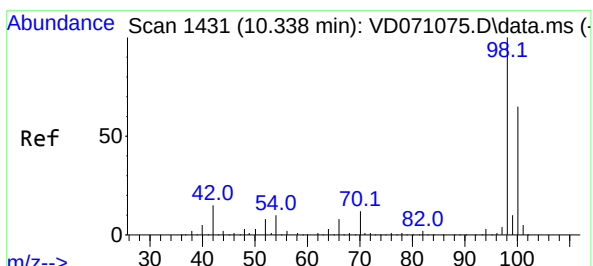
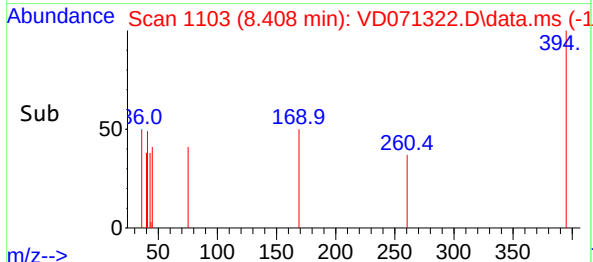
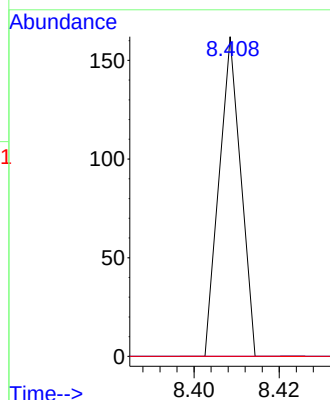
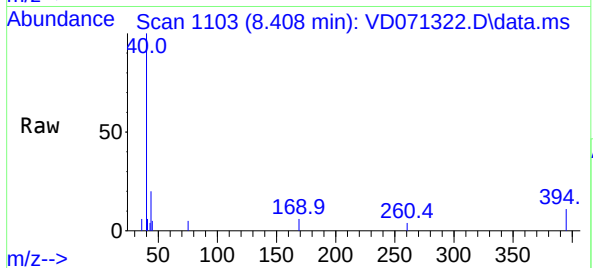




#43
Isopropyl Acetate
Concen: 5.320 ug/l
RT: 8.408 min Scan# 1110
Delta R.T. -0.042 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

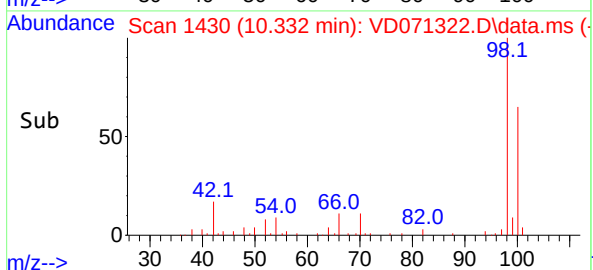
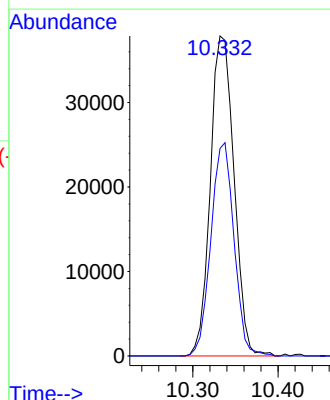
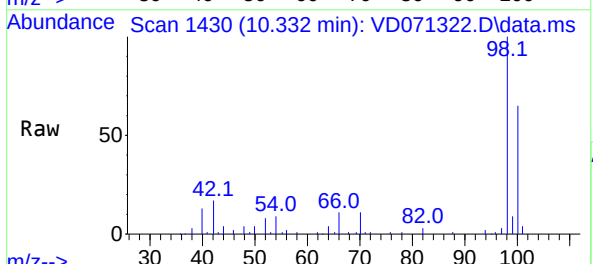
Instrument :
MSVOA_D
ClientSampleId :

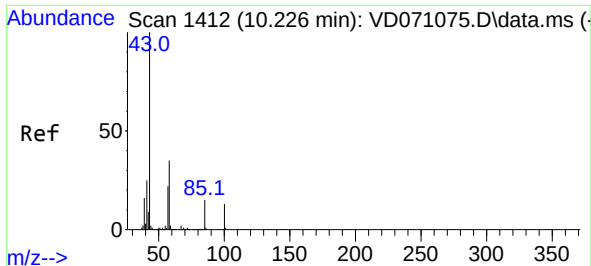
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 50.944 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Tgt Ion: 98 Resp: 73342
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6

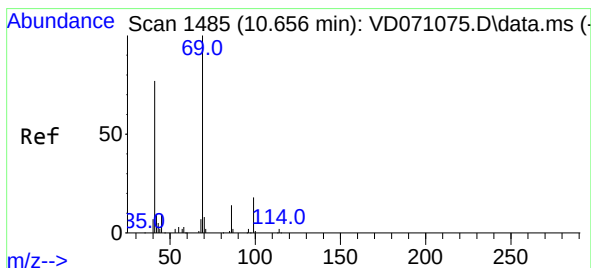
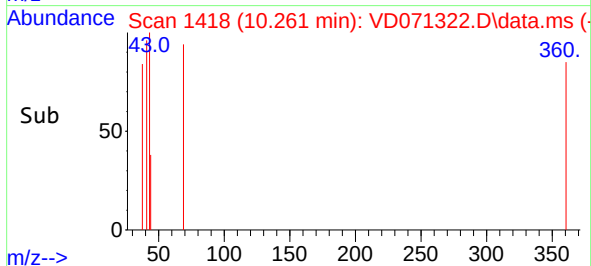
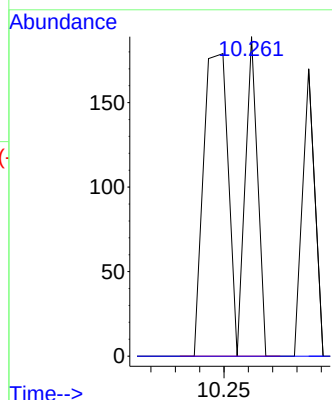
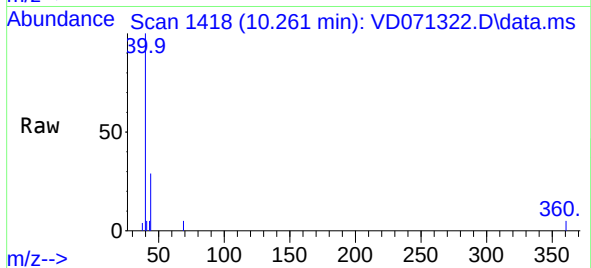




#51
4-Methyl-2-Pentanone
Concen: 31.275 ug/l
RT: 10.261 min Scan# 1412
Delta R.T. 0.035 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

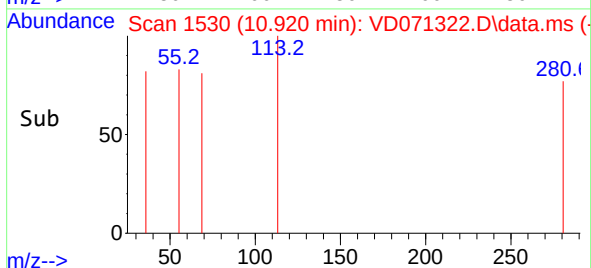
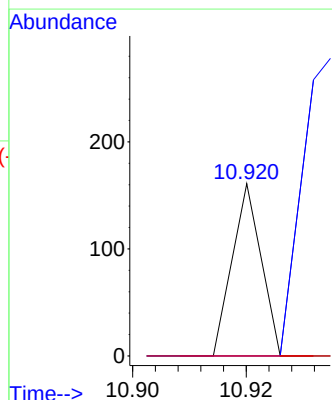
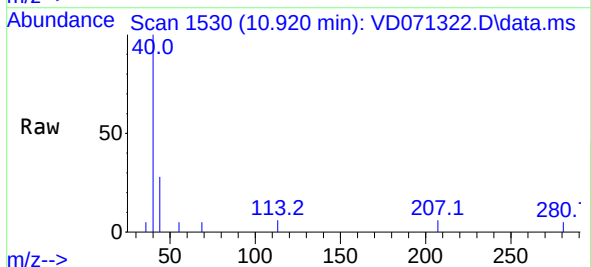
Instrument :
MSVOA_D
ClientSampleId :

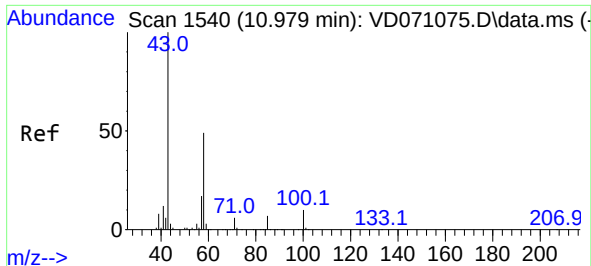
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.099 ug/l
RT: 10.920 min Scan# 1530
Delta R.T. 0.264 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

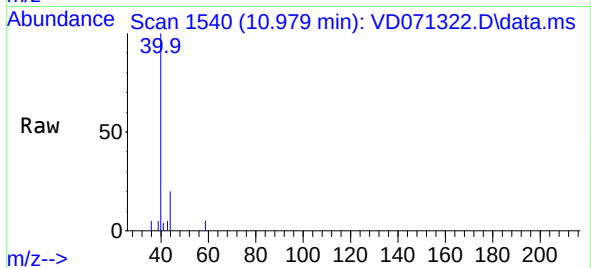
Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



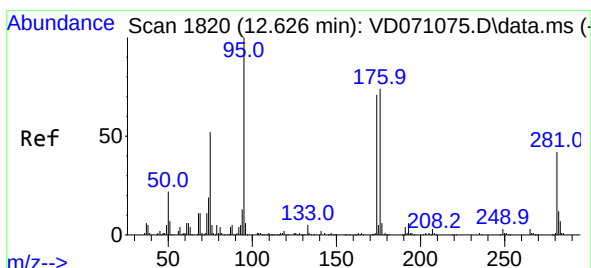
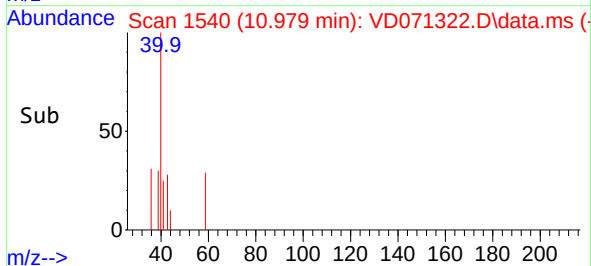
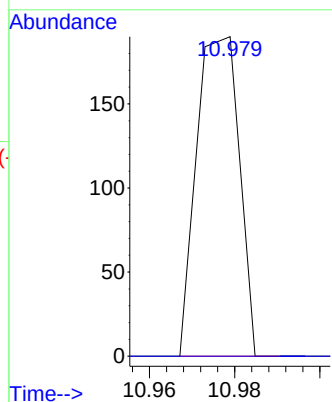


#59
2-Hexanone
Concen: 35.132 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

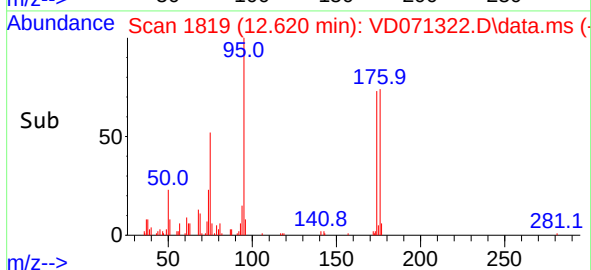
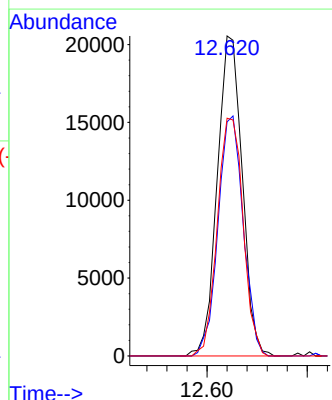
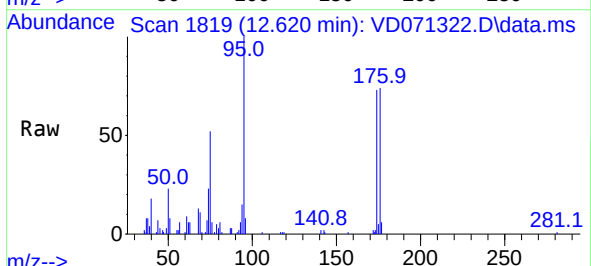


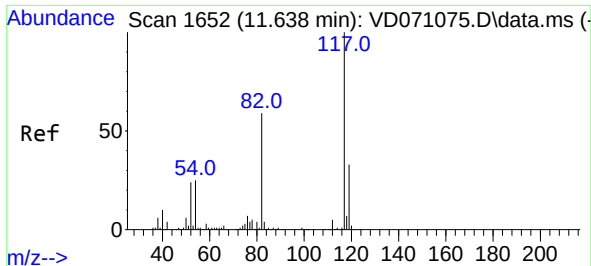
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 71.090 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

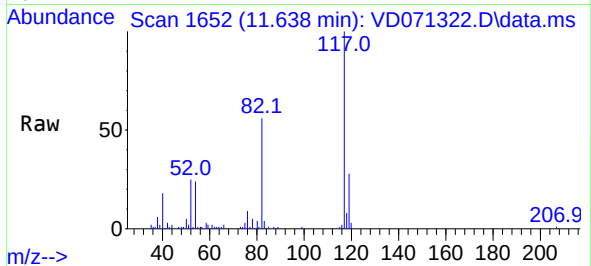
Tgt Ion: 95 Resp: 35477
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 76.7 0.0 154.0



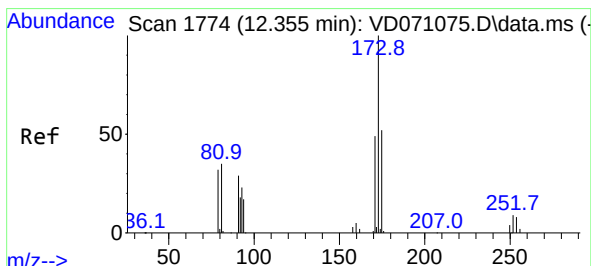
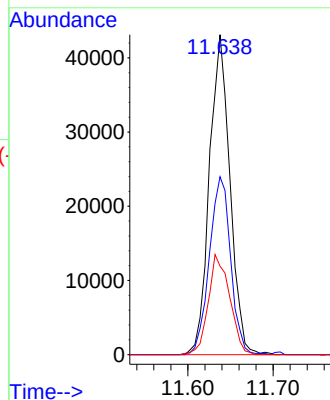
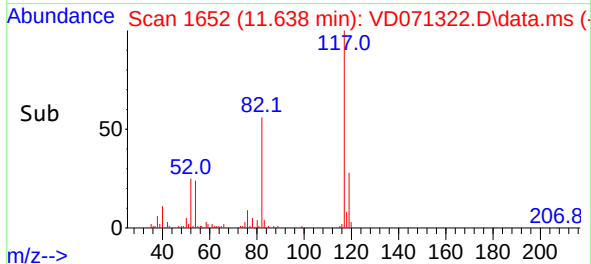


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

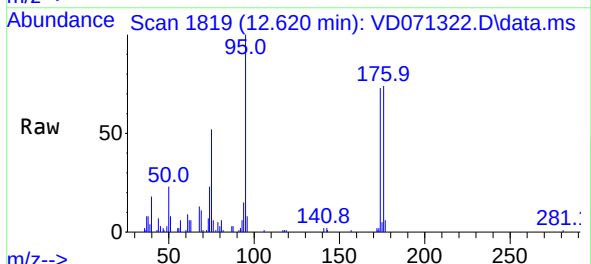
Instrument :
MSVOA_D
ClientSampleId :



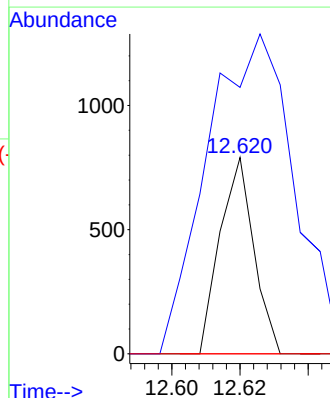
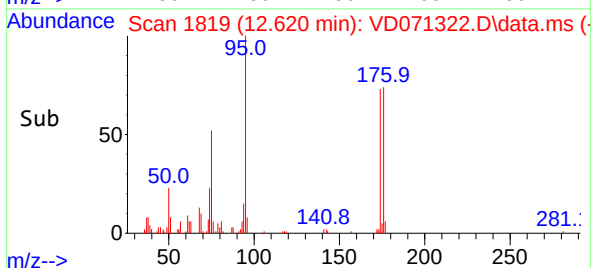
Tgt Ion:117 Resp: 72395
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 27.6 26.2 39.4

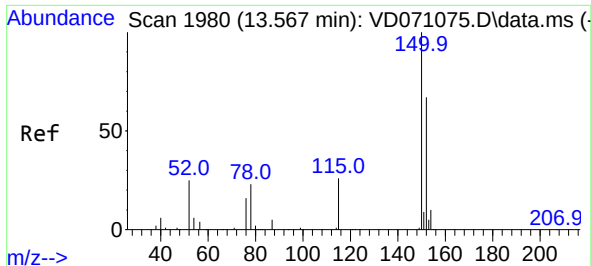


#71
Bromoform
Concen: 2.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56



Tgt Ion:173 Resp: 546
Ion Ratio Lower Upper
173 100
175 357.0 24.1 72.2#
254 0.0 0.1 0.1#

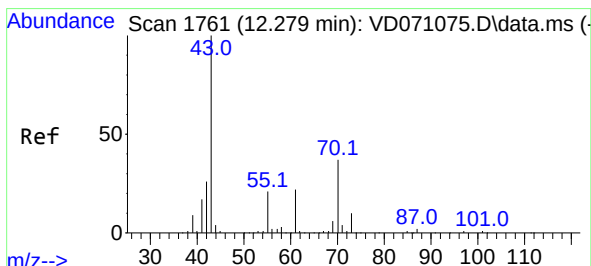
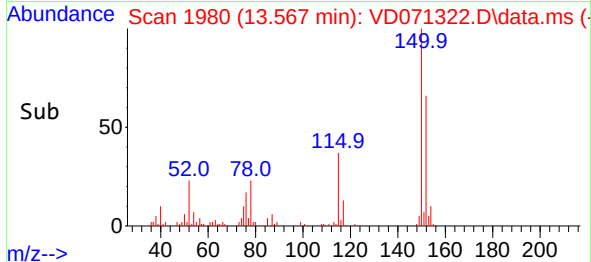
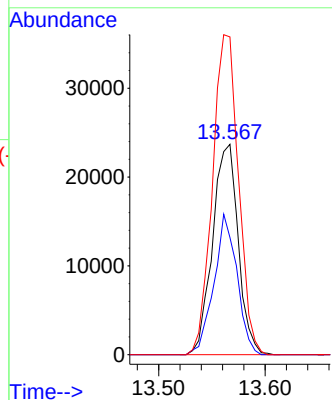
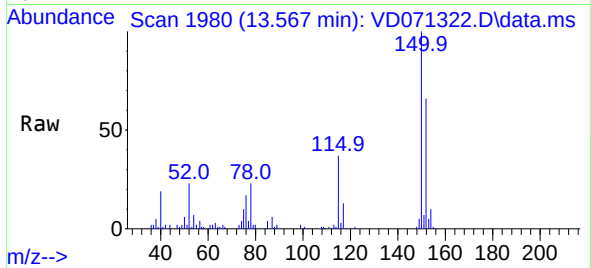




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

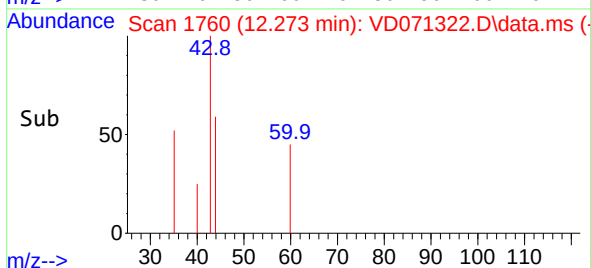
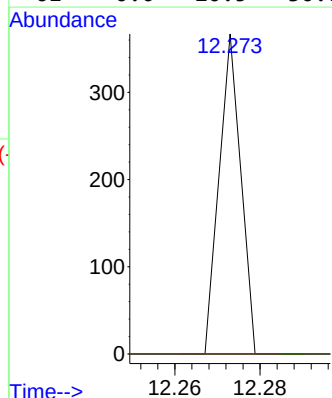
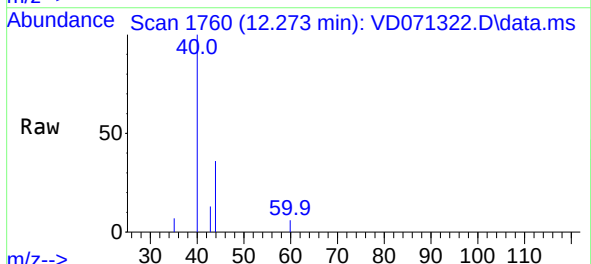
Instrument :
MSVOA_D
ClientSampleId :

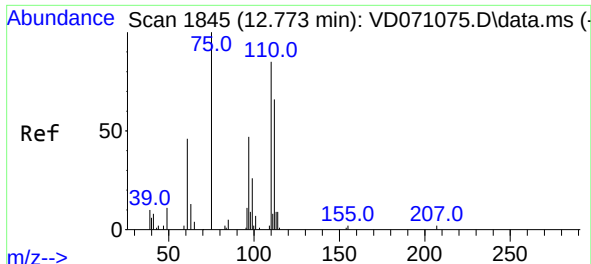
Tgt Ion:152 Resp: 39622
Ion Ratio Lower Upper
152 100
115 59.9 29.8 89.3
150 154.3 0.0 349.2



#74
N-ethyl acetate
Concen: 5.848 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Tgt Ion: 43 Resp: 130
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#

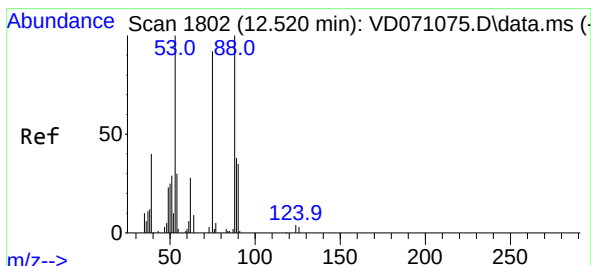
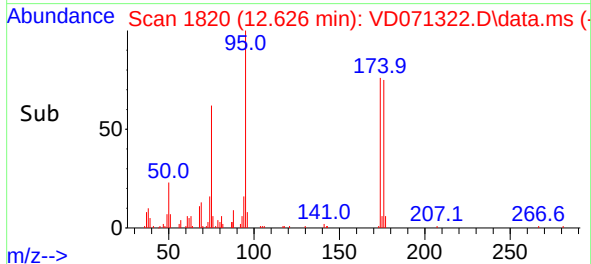
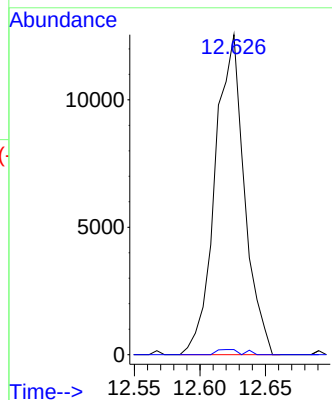
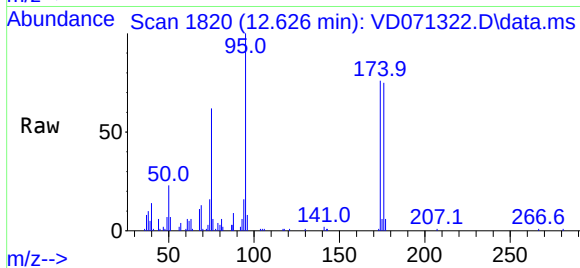




#76
1,2,3-Trichloropropane
Concen: 51.716 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

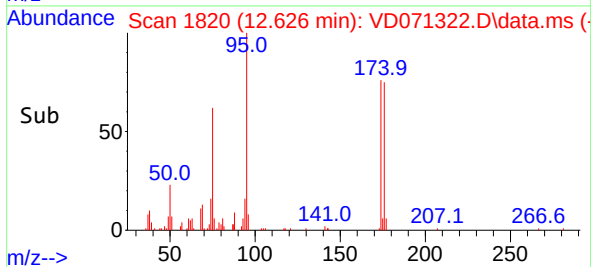
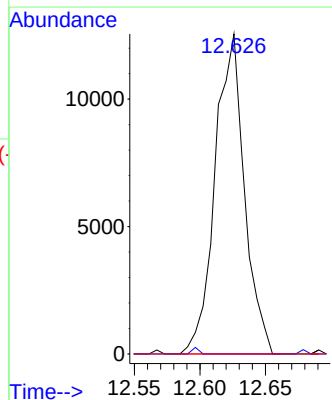
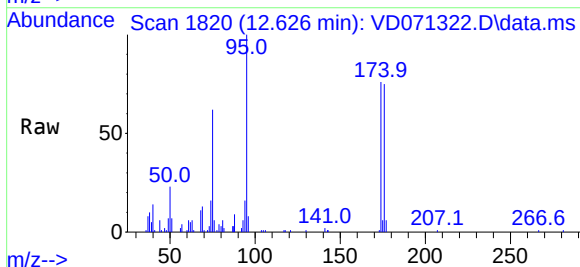
Instrument :
MSVOA_D
ClientSampleId :

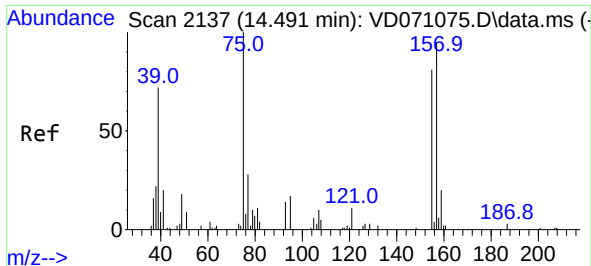
Tgt Ion: 75 Resp: 19523
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.767 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

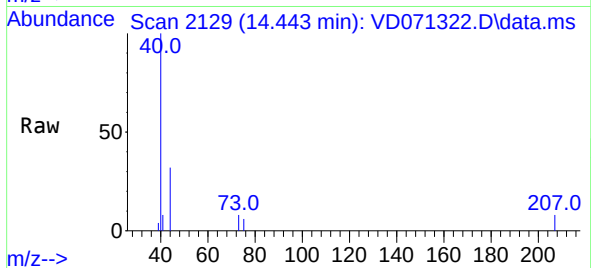
Tgt Ion: 75 Resp: 19523
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.950 ug/l
RT: 14.443 min Scan# 21
Delta R.T. -0.048 min
Lab File: VD071322.D
Acq: 14 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 150
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

