

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071207.D
 Acq On : 08 Dec 2021 15:59
 Operator : VA/SY
 Sample : M4959-19RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:17:14 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)

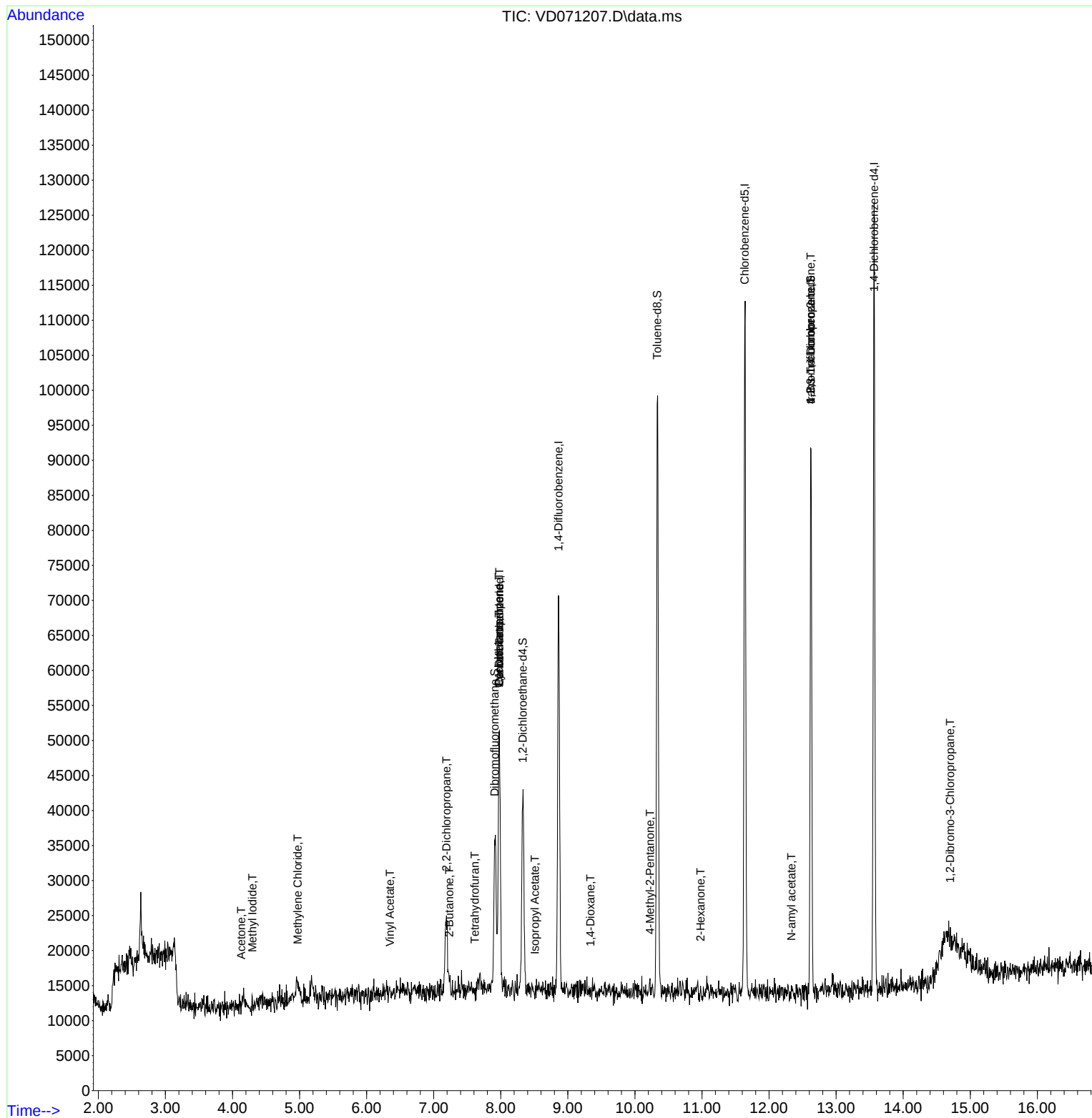
Internal Standards						
1) Pentafluorobenzene	7.979	168	25401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	43577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	50644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	25865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22096	74.135	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.260%	
35) Dibromofluoromethane	7.908	113	15854	57.133	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.260%	
50) Toluene-d8	10.332	98	56699	53.692	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.380%	
62) 4-Bromofluorobenzene	12.620	95	25741	70.321	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 140.640%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	55	4.729	ug/l #	40
11) Tert butyl alcohol	5.208	59	877	Below Cal	#	71
16) Acetone	4.132	43	425	35.505	ug/l #	40
20) Methylene Chloride	4.973	84	2223	3.508	ug/l #	59
23) Vinyl Acetate	6.349	43	56	27.321	ug/l #	72
25) 2-Butanone	7.232	43	79	29.125	ug/l #	45
26) 2,2-Dichloropropane	7.191	77	878	1.871	ug/l #	52
29) Tetrahydrofuran	7.614	42	60	1.268	ug/l #	34
31) Cyclohexane	7.973	56	865	1.706	ug/l #	75
36) 1,1-Dichloropropene	7.973	75	2641	6.484	ug/l #	43
38) Carbon Tetrachloride	7.979	117	2893	7.206	ug/l #	12
41) Methacrylonitrile	7.461	41	63	Below Cal	#	12
43) Isopropyl Acetate	8.508	43	145	5.558	ug/l #	47
49) 1,4-Dioxane	9.337	88	55	37.747	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	545	33.062	ug/l #	67
59) 2-Hexanone	10.979	43	69	34.972	ug/l #	22
74) N-amyl acetate	12.331	43	123	5.914	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	14177	57.529	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	14177	124.793	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.702	75	54	1.075	ug/l #	4

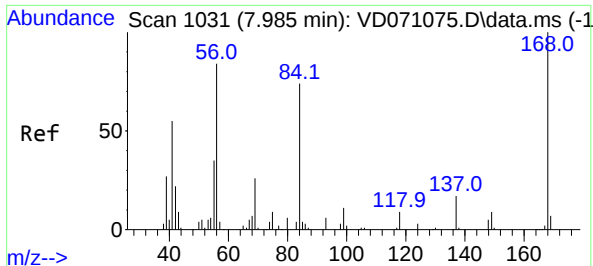
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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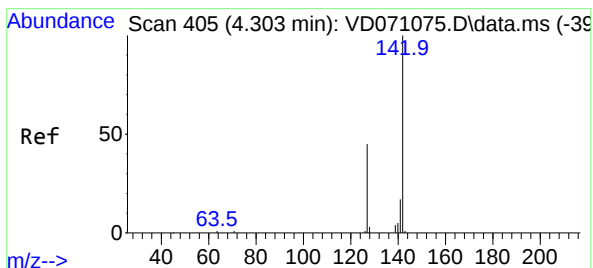
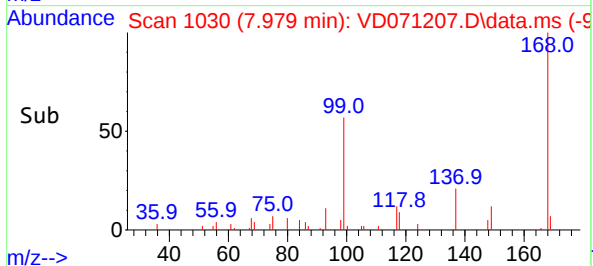
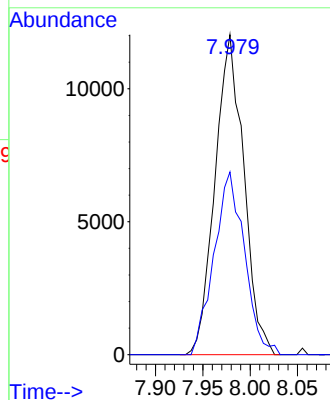
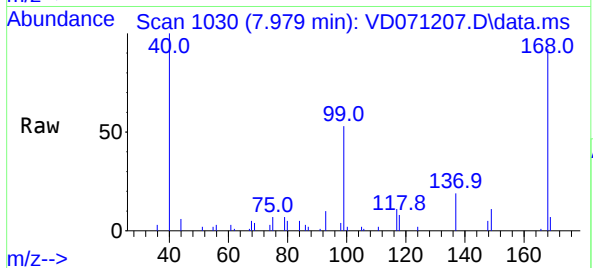




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

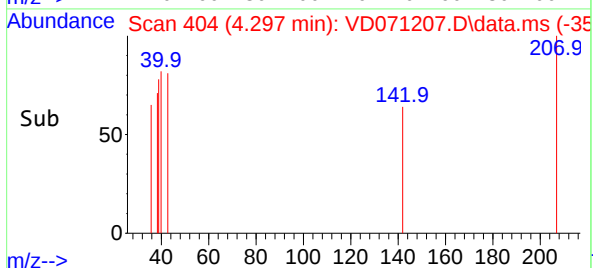
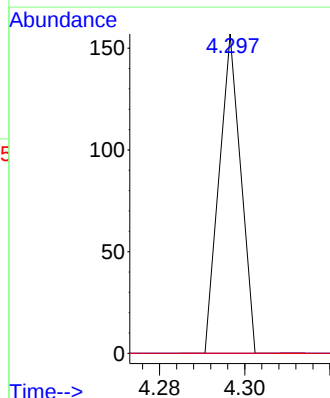
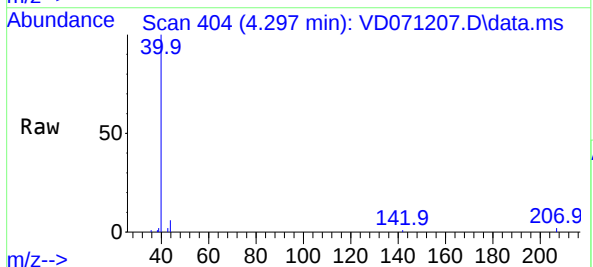
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 25401
Ion Ratio Lower Upper
168 100
99 57.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.729 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

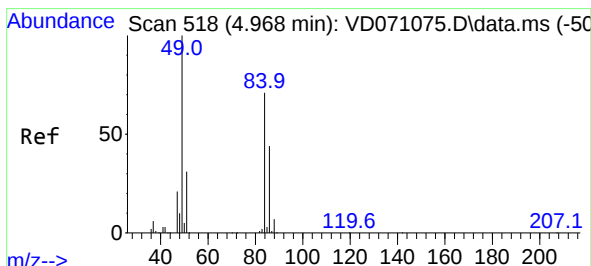
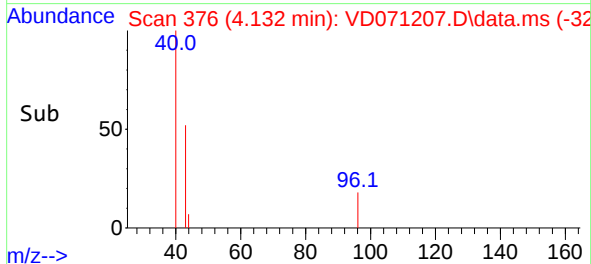
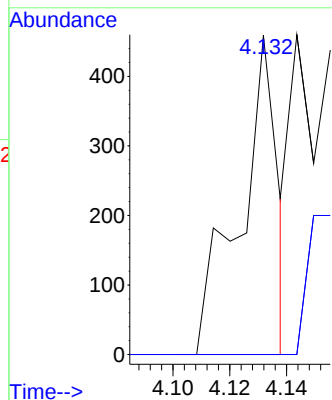
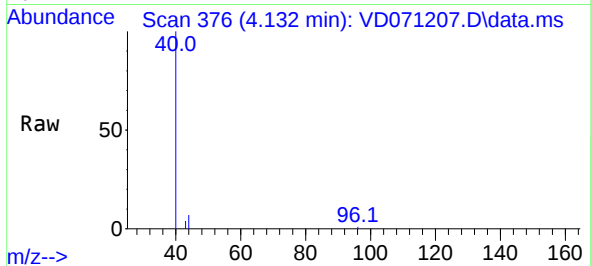




#16
Acetone
Concen: 35.505 ug/l
RT: 4.132 min Scan# 31
Delta R.T. -0.024 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

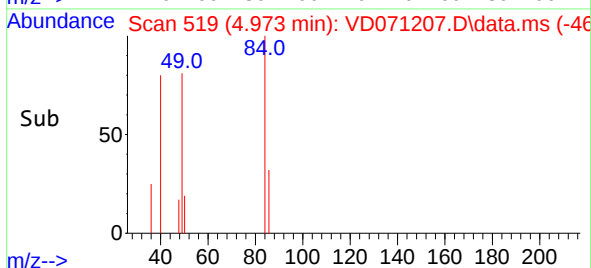
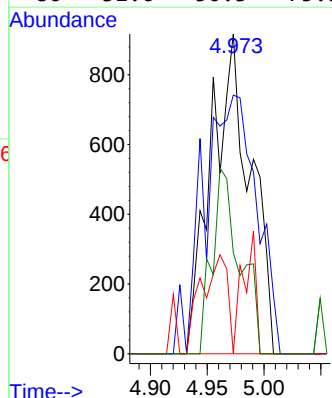
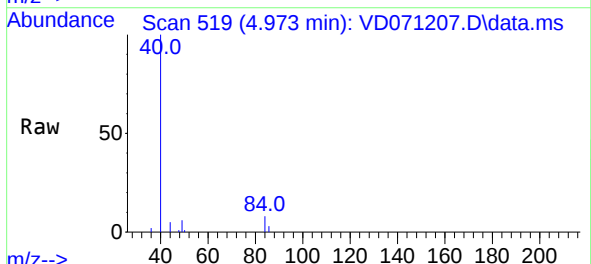
Instrument :
MSVOA_D
ClientSampleId :

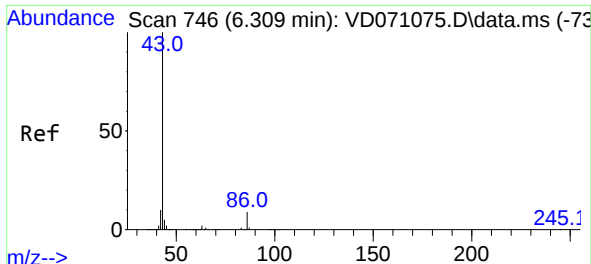
Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 3.508 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Tgt Ion: 84 Resp: 2223
Ion Ratio Lower Upper
84 100
49 80.9 95.8 143.6#
51 0.0 30.9 46.3#
86 31.6 50.3 75.5#

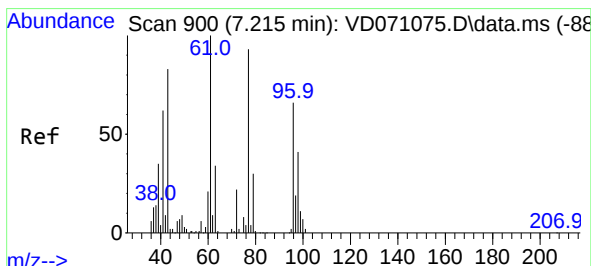
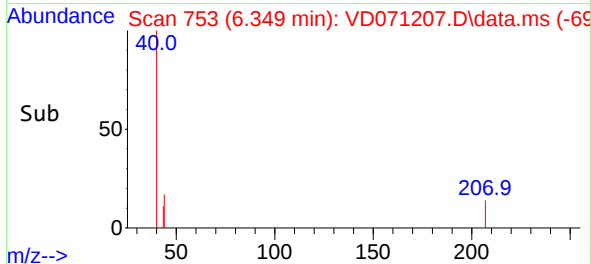
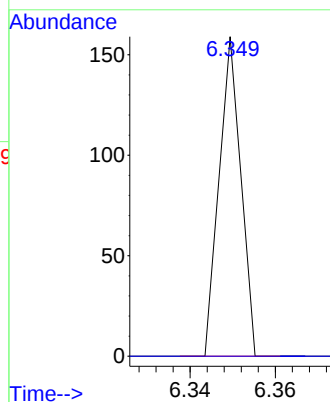
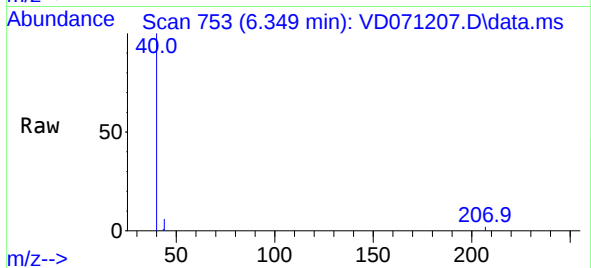




#23
 Vinyl Acetate
 Concen: 27.321 ug/l
 RT: 6.349 min Scan# 71
 Delta R.T. 0.040 min
 Lab File: VD071207.D
 Acq: 08 Dec 2021 15:59

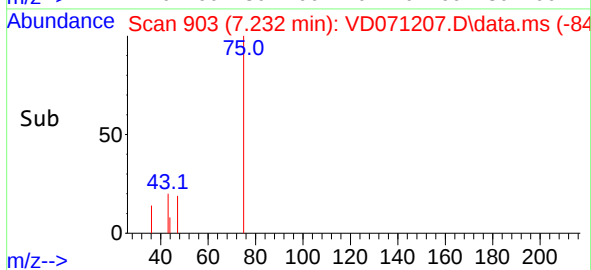
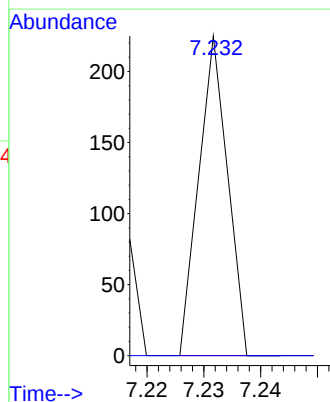
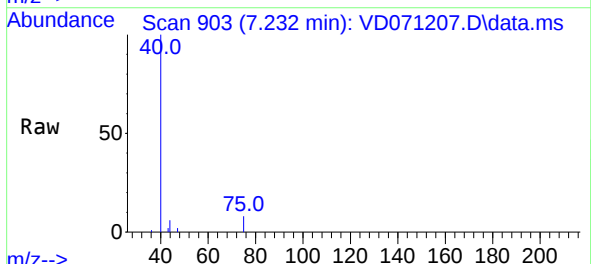
Instrument :
 MSVOA_D
 ClientSampleId :

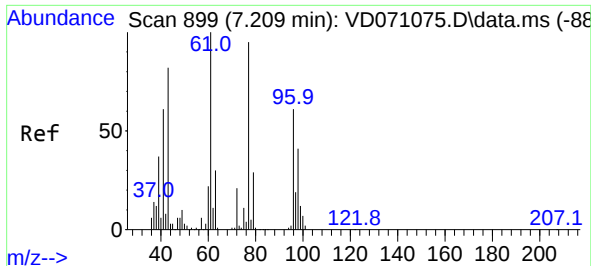
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.125 ug/l
 RT: 7.232 min Scan# 903
 Delta R.T. 0.017 min
 Lab File: VD071207.D
 Acq: 08 Dec 2021 15:59

Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#26

2,2-Dichloropropane

Concen: 1.871 ug/l

RT: 7.191 min Scan# 899

Delta R.T. -0.018 min

Lab File: VD071207.D

Acq: 08 Dec 2021 15:59

Instrument :

MSVOA_D

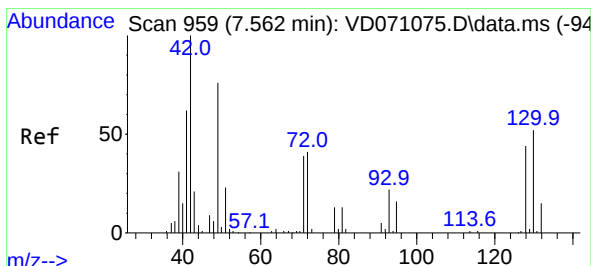
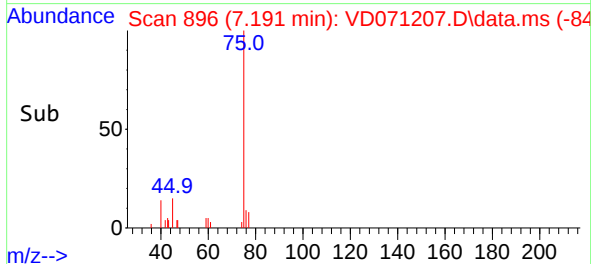
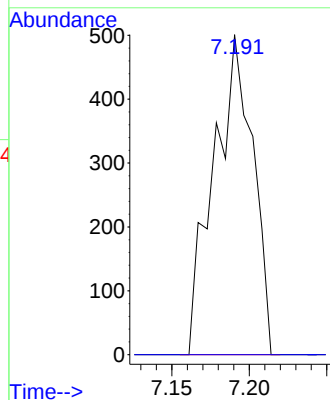
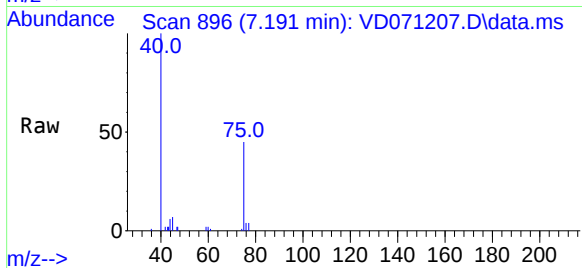
ClientSampleId :

Tgt Ion: 77 Resp: 878

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#29

Tetrahydrofuran

Concen: 1.268 ug/l

RT: 7.614 min Scan# 968

Delta R.T. 0.052 min

Lab File: VD071207.D

Acq: 08 Dec 2021 15:59

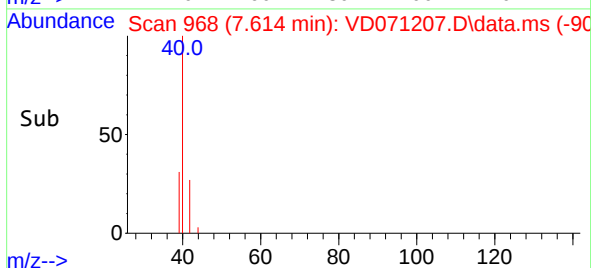
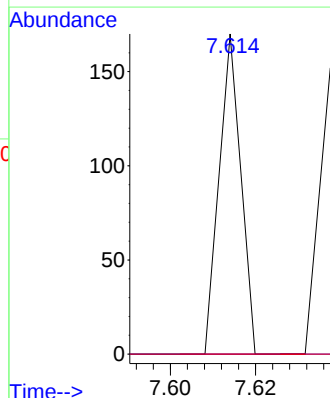
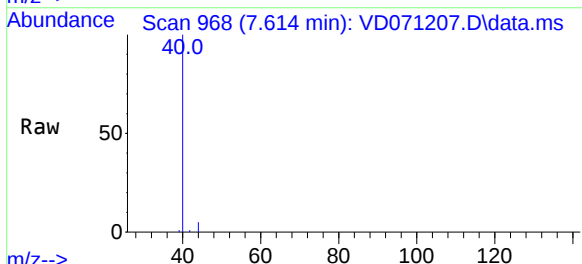
Tgt Ion: 42 Resp: 60

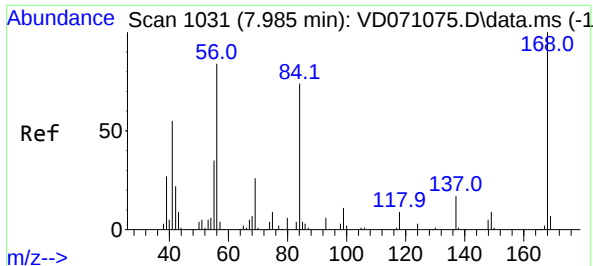
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

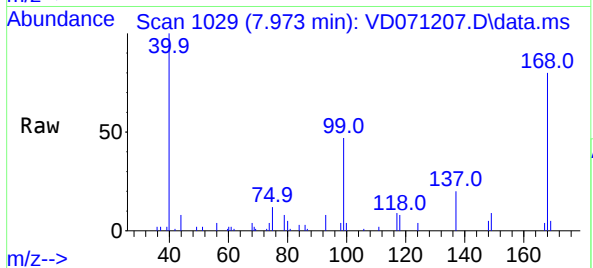
71 0.0 32.7 49.1#



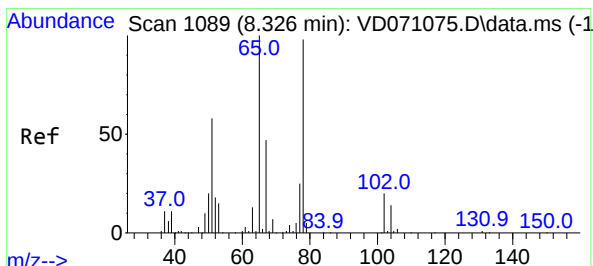
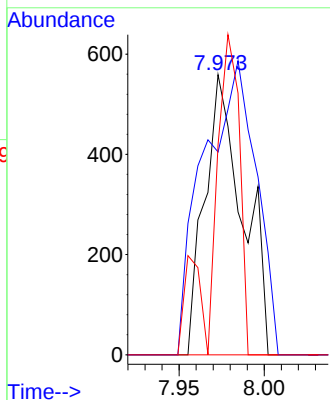
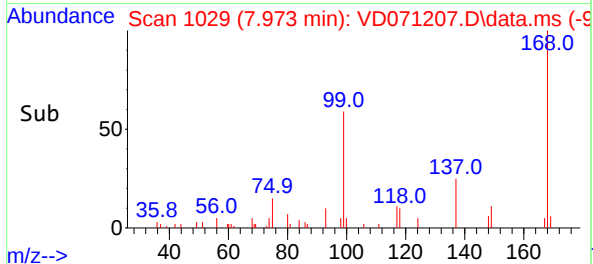


#31
Cyclohexane
Concen: 1.706 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

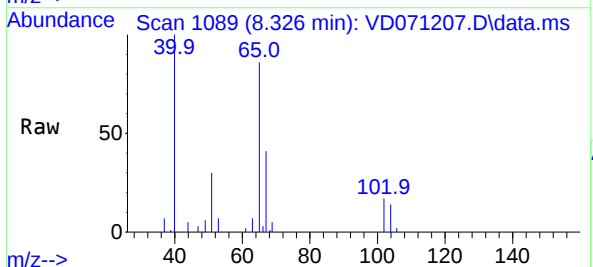
Instrument :
MSVOA_D
ClientSampleId :



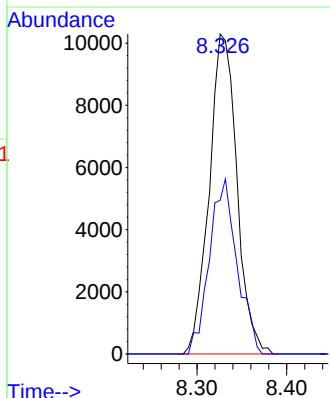
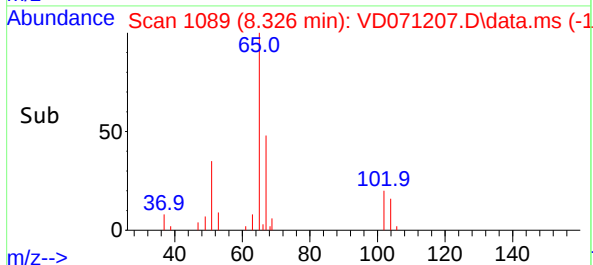
Tgt Ion: 56 Resp: 865
Ion Ratio Lower Upper
56 100
69 72.5 25.9 38.9#
84 75.0 64.3 96.5

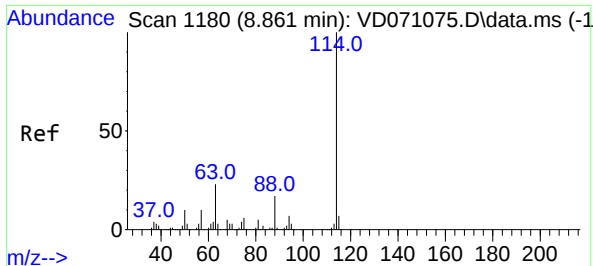


#33
1,2-Dichloroethane-d4
Concen: 74.135 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59



Tgt Ion: 65 Resp: 22096
Ion Ratio Lower Upper
65 100
67 54.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071207.D

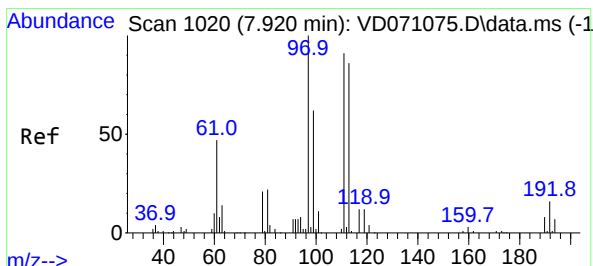
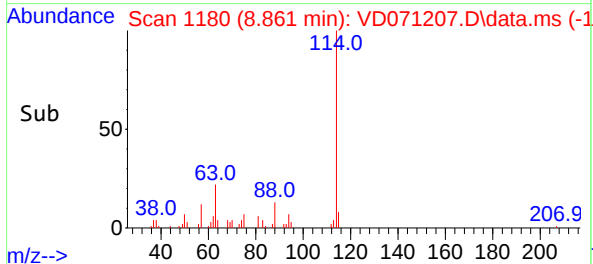
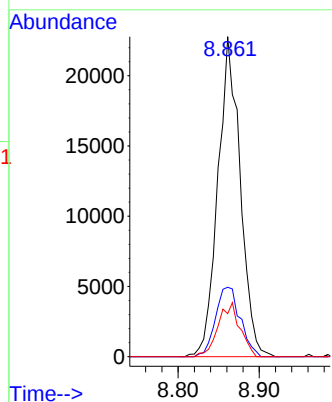
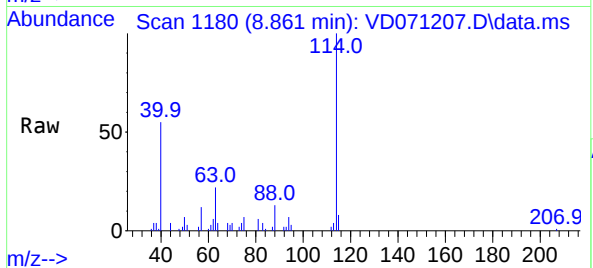
Acq: 08 Dec 2021 15:59

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	114	Resp:	43577
Ion Ratio	Lower	Upper	
114	100		
63	21.7	0.0	41.8
88	13.5	0.0	32.8



#35

Dibromofluoromethane

Concen: 57.133 ug/l

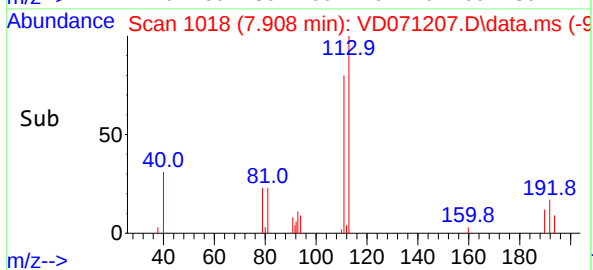
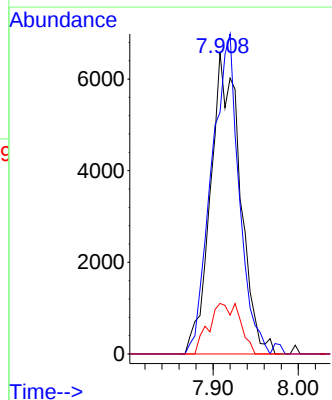
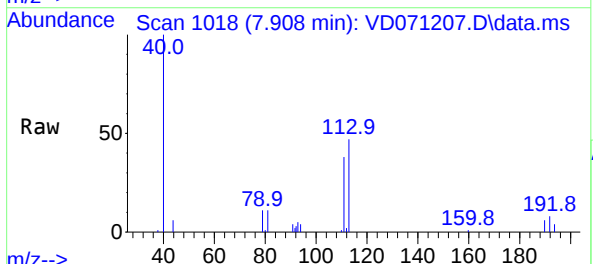
RT: 7.908 min Scan# 1018

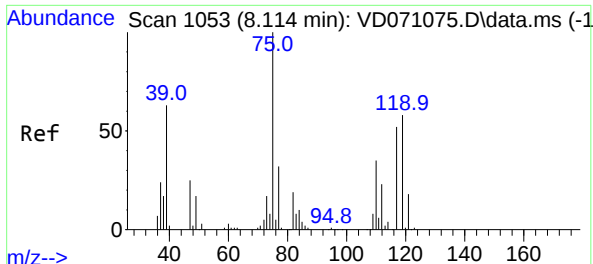
Delta R.T. -0.012 min

Lab File: VD071207.D

Acq: 08 Dec 2021 15:59

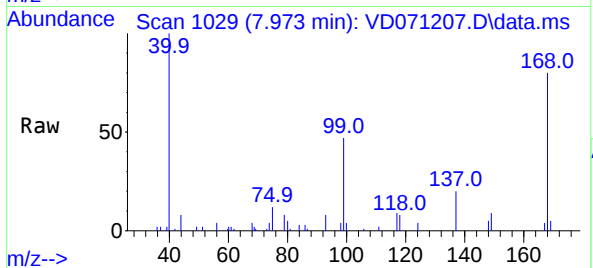
Tgt Ion:	113	Resp:	15854
Ion Ratio	Lower	Upper	
113	100		
111	98.8	82.0	123.0
192	17.7	15.2	22.8



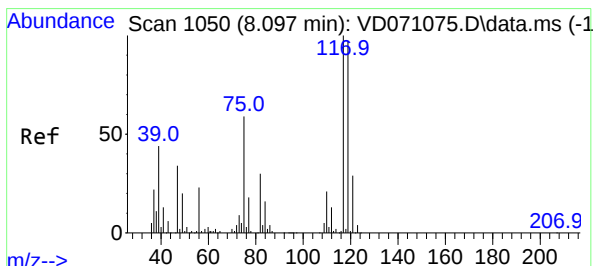
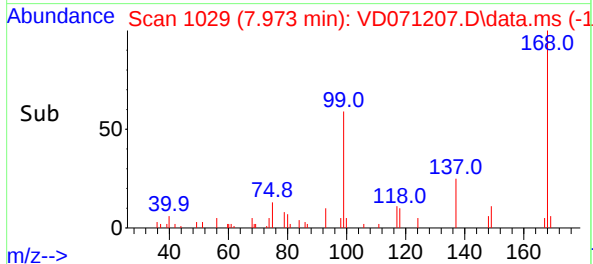
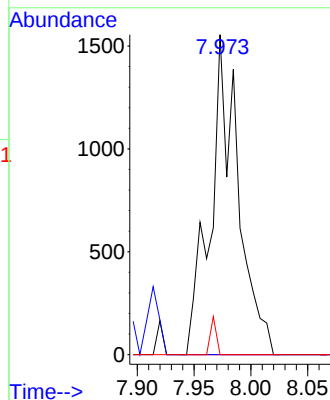


#36
1,1-Dichloropropene
Concen: 6.484 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

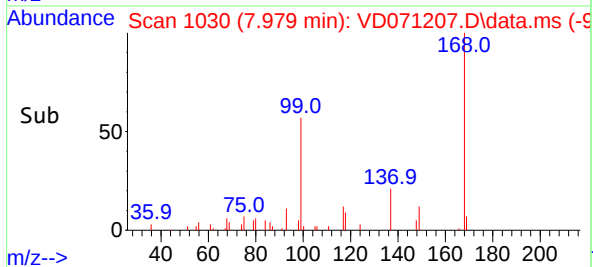
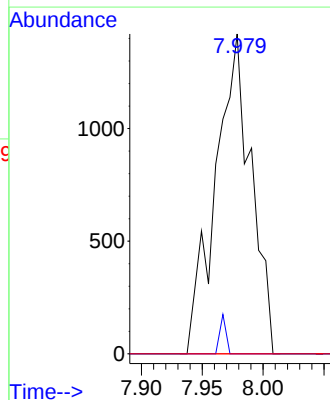
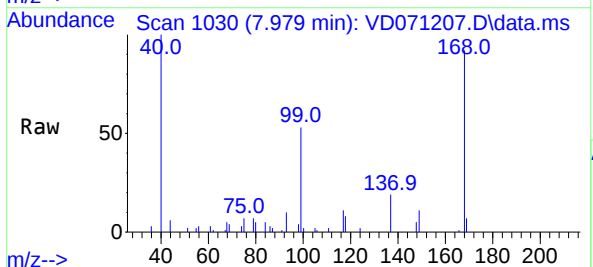


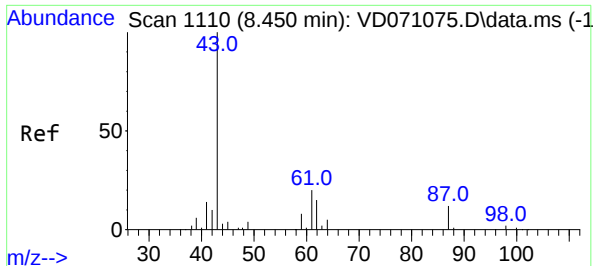
Tgt Ion: 75 Resp: 2641
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 2.5 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 7.206 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Tgt Ion: 117 Resp: 2893
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.558 ug/l

RT: 8.508 min Scan# 1110

Delta R.T. 0.058 min

Lab File: VD071207.D

Acq: 08 Dec 2021 15:59

Instrument :

MSVOA_D

ClientSampleId :

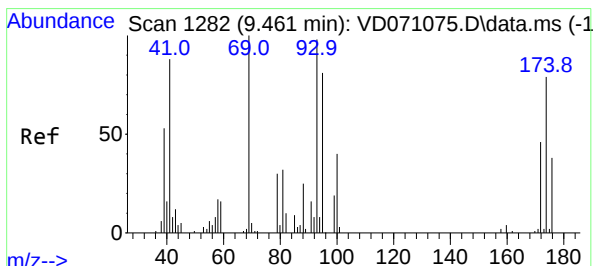
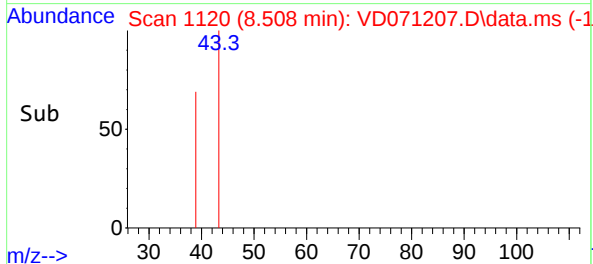
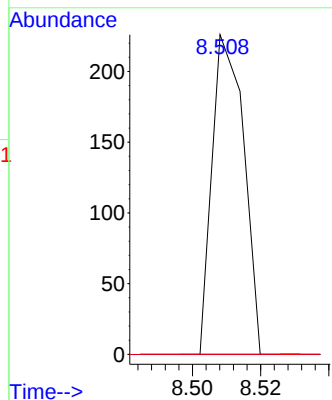
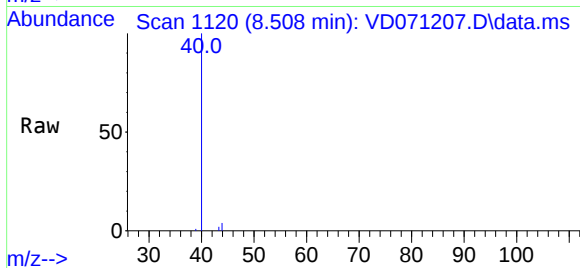
Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#49

1,4-Dioxane

Concen: 37.747 ug/l

RT: 9.337 min Scan# 1261

Delta R.T. -0.124 min

Lab File: VD071207.D

Acq: 08 Dec 2021 15:59

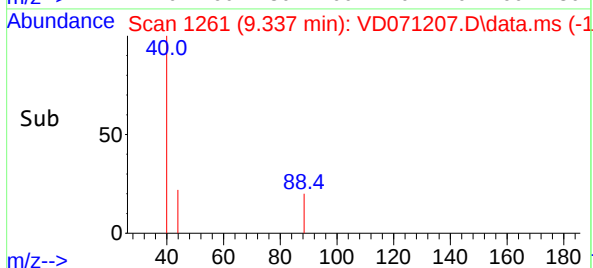
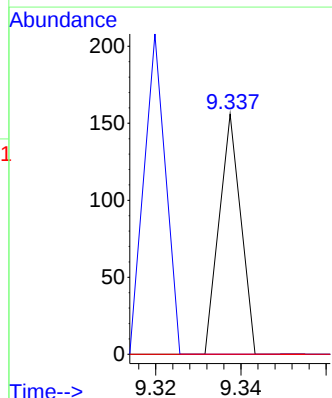
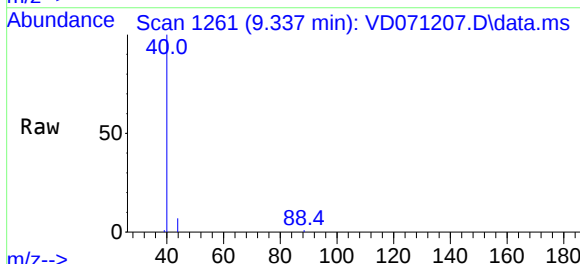
Tgt Ion: 88 Resp: 55

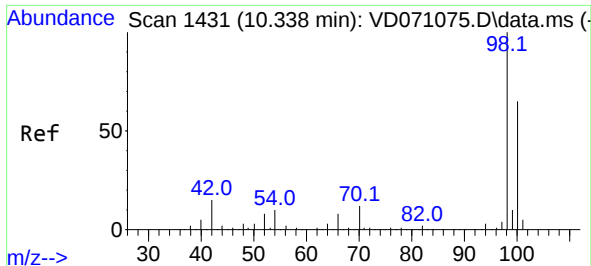
Ion Ratio Lower Upper

88 100

43 132.7 28.9 43.3#

58 0.0 56.3 84.5#





#50

Toluene-d8

Concen: 53.692 ug/l

RT: 10.332 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD071207.D

Acq: 08 Dec 2021 15:59

Instrument :

MSVOA_D

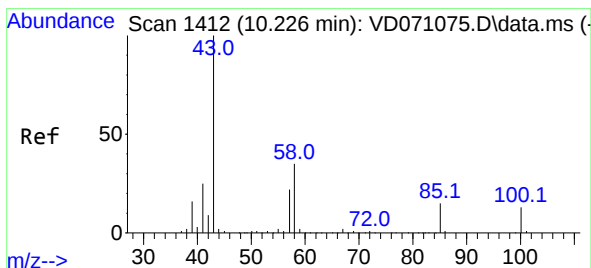
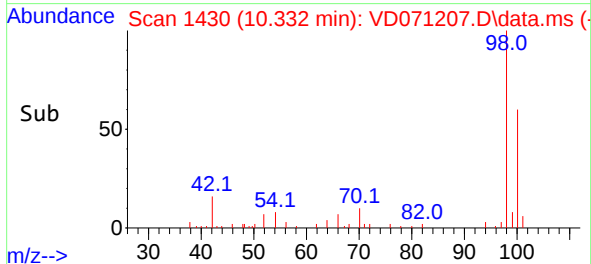
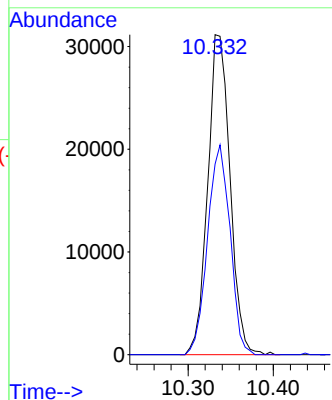
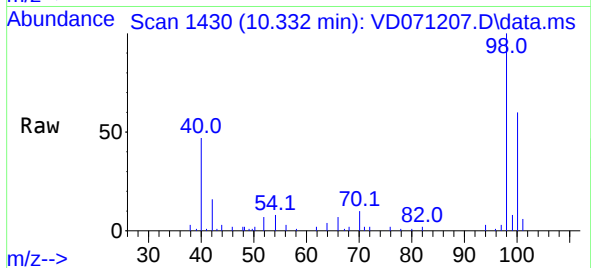
ClientSampleId :

Tgt Ion: 98 Resp: 56699

Ion Ratio Lower Upper

98 100

100 66.0 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 33.062 ug/l

RT: 10.226 min Scan# 1412

Delta R.T. -0.000 min

Lab File: VD071207.D

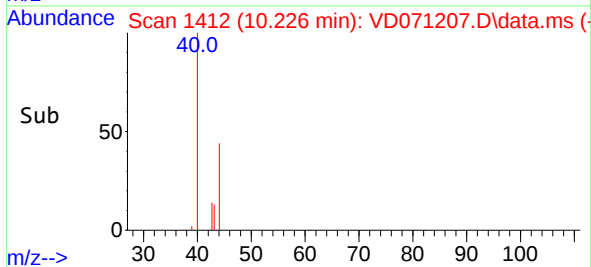
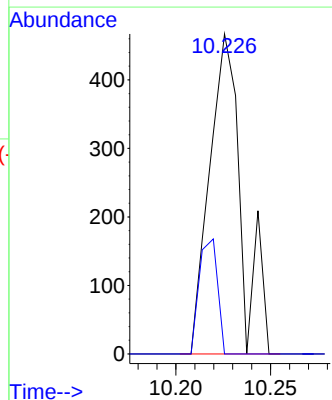
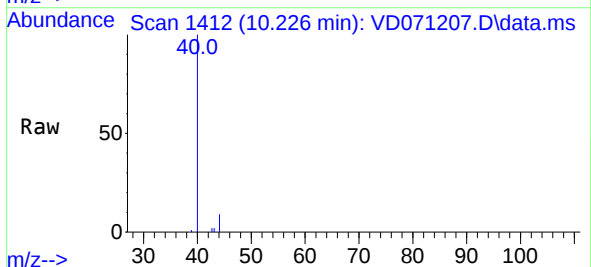
Acq: 08 Dec 2021 15:59

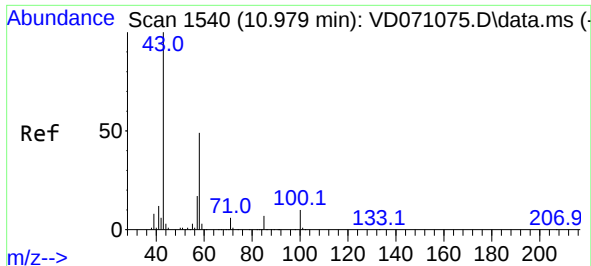
Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

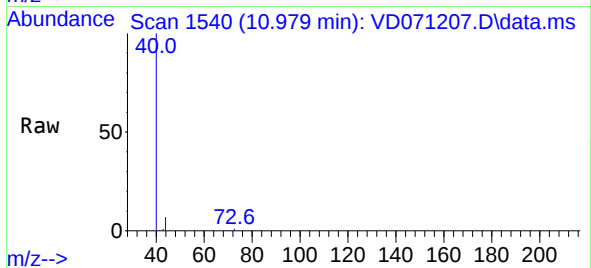
58 20.7 33.1 49.7#



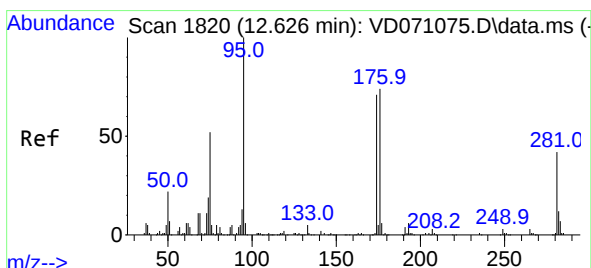
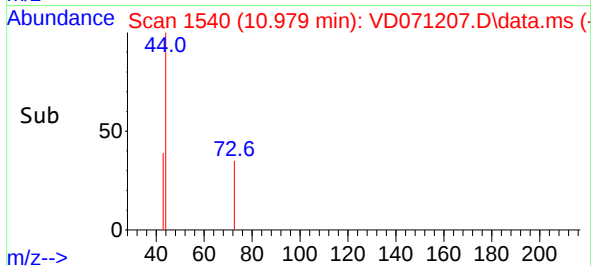
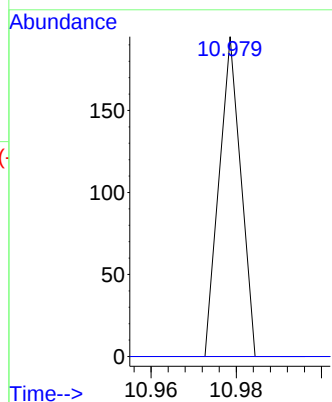


#59
2-Hexanone
Concen: 34.972 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

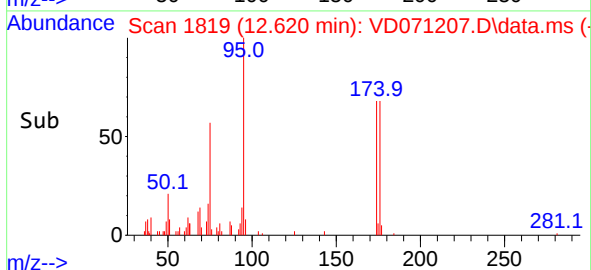
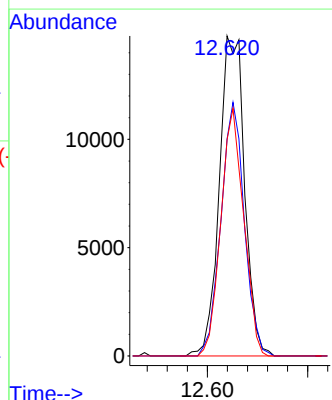
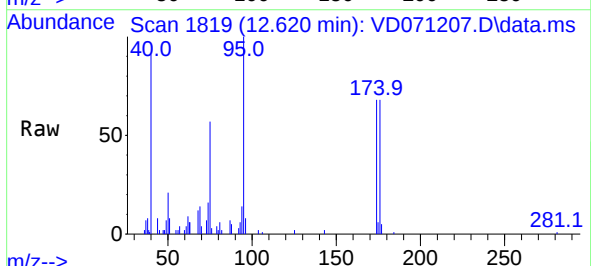


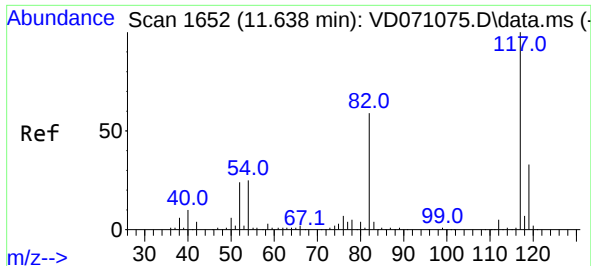
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 70.321 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

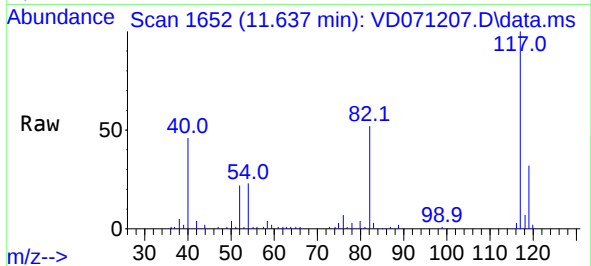
Tgt Ion: 95 Resp: 25741
Ion Ratio Lower Upper
95 100
174 73.3 0.0 159.4
176 70.2 0.0 154.0



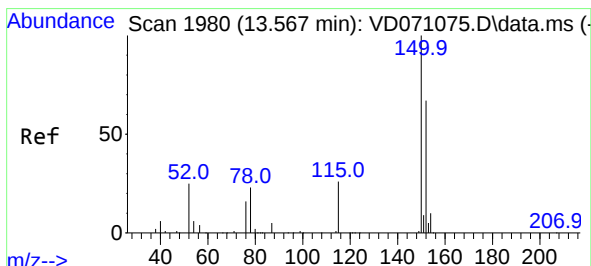
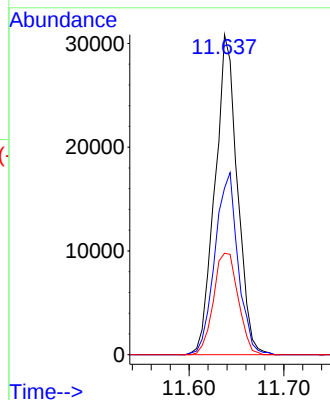
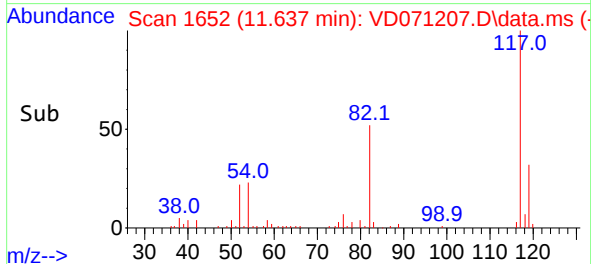


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

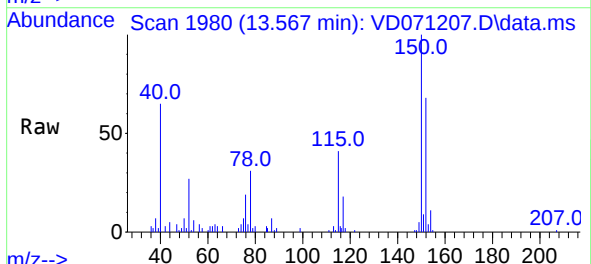
Instrument :
MSVOA_D
ClientSampleId :



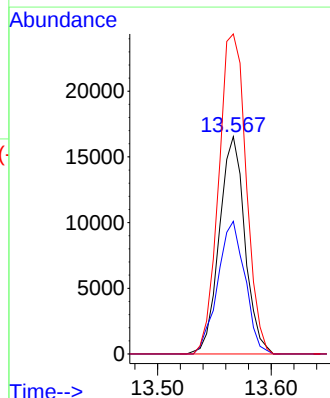
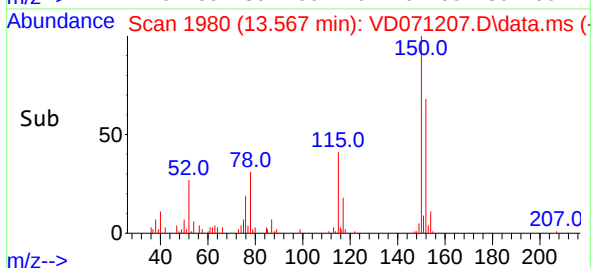
Tgt Ion:117 Resp: 50644
Ion Ratio Lower Upper
117 100
82 52.0 44.7 67.1
119 31.7 26.2 39.4

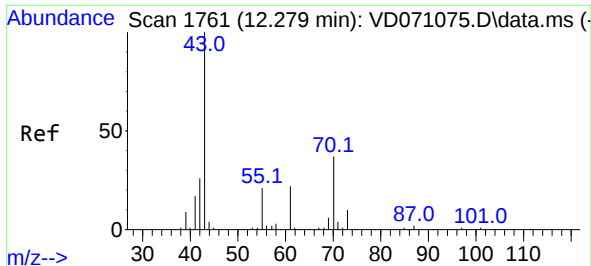


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59



Tgt Ion:152 Resp: 25865
Ion Ratio Lower Upper
152 100
115 65.1 29.8 89.3
150 158.3 0.0 349.2

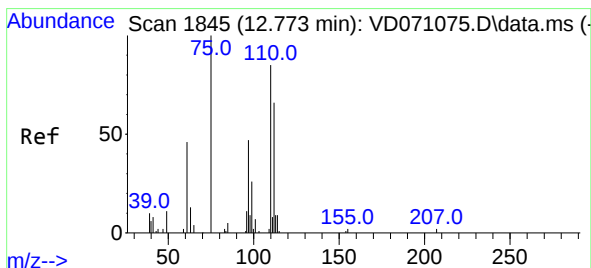
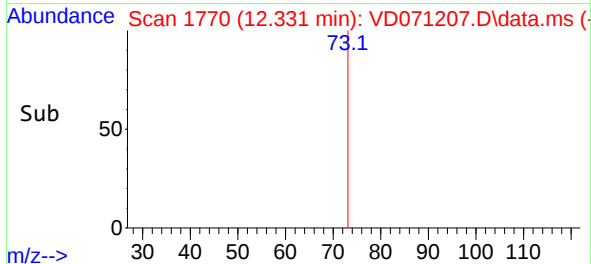
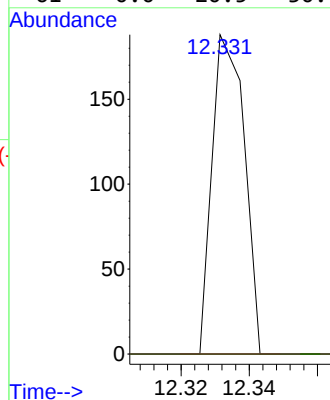
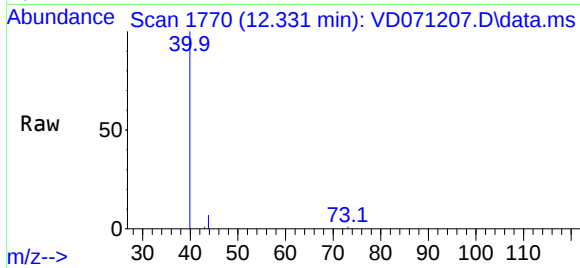




#74
N-amy1 acetate
Concen: 5.914 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.052 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

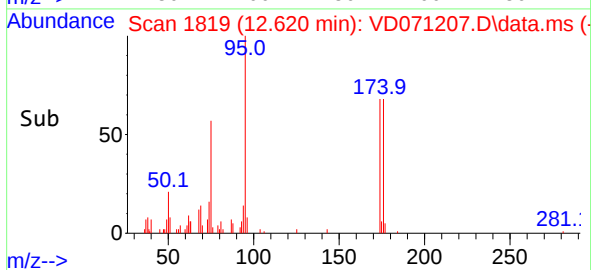
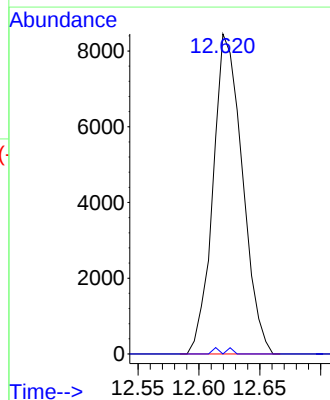
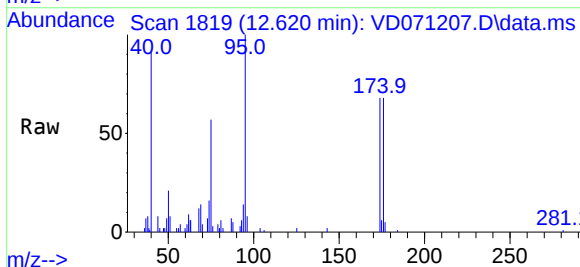
Instrument :
MSVOA_D
ClientSampleId :

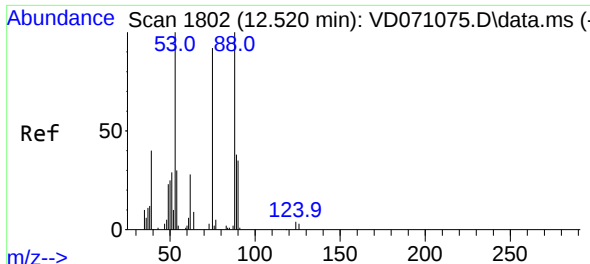
Tgt Ion: 43	Resp: 123
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 57.529 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Tgt Ion: 75	Resp:	14177	
Ion Ratio	Lower	Upper	
75 100			
77 0.8	158.4	475.3#	

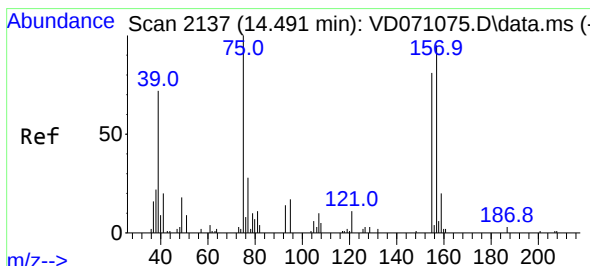
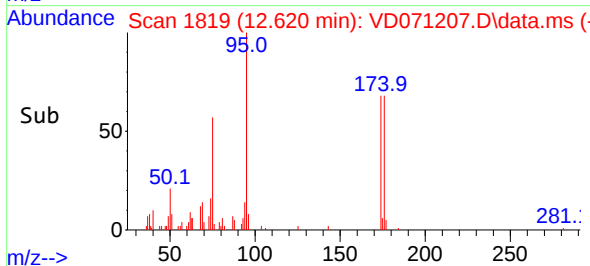
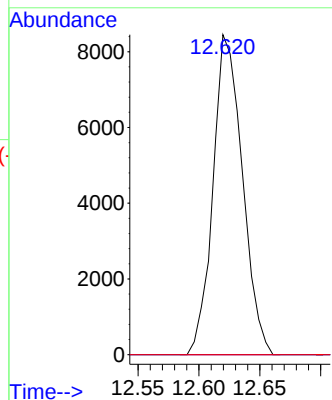
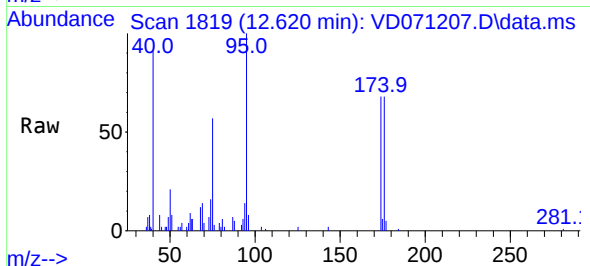




#81
trans-1,4-Dichloro-2-butene
Concen: 124.793 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 14177
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: 1.075 ug/l
RT: 14.702 min Scan# 2173
Delta R.T. 0.211 min
Lab File: VD071207.D
Acq: 08 Dec 2021 15:59

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

