

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071319.D
 Acq On : 14 Dec 2021 14:31
 Operator : VA/SY
 Sample : M5022-59RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:29:37 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)

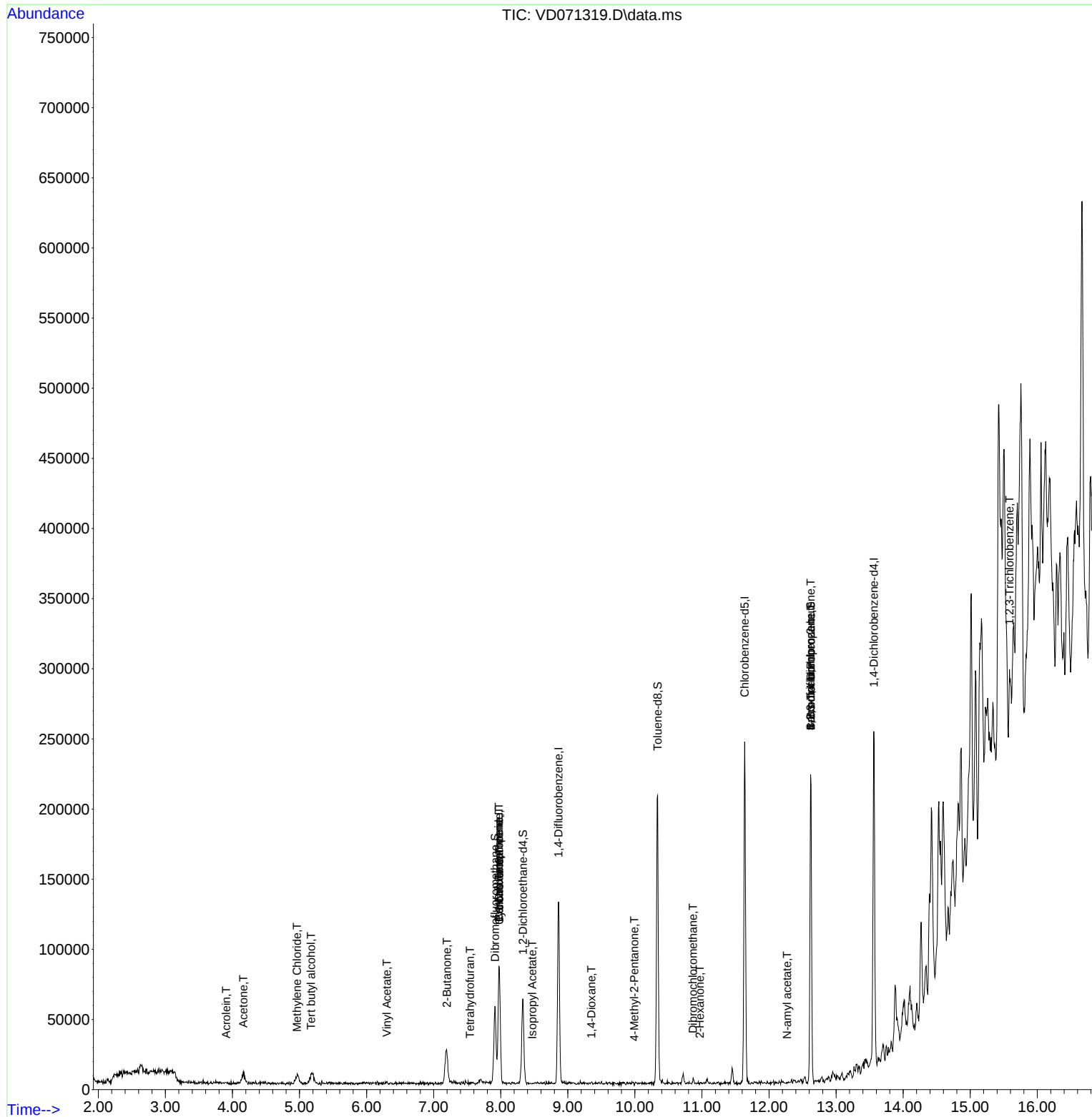
Internal Standards						
1) Pentafluorobenzene	7.973	168	58616	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	98948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	123831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	59786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	47886	69.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.240%	
35) Dibromofluoromethane	7.914	113	37342	59.265	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.520%	
50) Toluene-d8	10.338	98	133406	55.636	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.280%	
62) 4-Bromofluorobenzene	12.620	95	60020	72.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 144.420%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.173	59	7792	148.192	ug/l #	73
13) Acrolein	3.909	56	66	1.404	ug/l #	45
16) Acetone	4.162	43	14079	98.389	ug/l	89
20) Methylene Chloride	4.962	84	4570	2.628	ug/l #	76
23) Vinyl Acetate	6.303	43	58	27.264	ug/l #	72
25) 2-Butanone	7.197	43	3356	42.464	ug/l #	45
29) Tetrahydrofuran	7.544	42	152	1.392	ug/l #	34
31) Cyclohexane	7.979	56	2109	1.803	ug/l #	71
36) 1,1-Dichloropropene	7.973	75	5515	5.963	ug/l #	50
38) Carbon Tetrachloride	7.973	117	6382	7.001	ug/l #	12
41) Methacrylonitrile	7.526	41	128	Below Cal	#	56
43) Isopropyl Acetate	8.467	43	72	5.296	ug/l #	47
49) 1,4-Dioxane	9.350	88	60	18.135	ug/l #	1
51) 4-Methyl-2-Pentanone	9.991	43	123	30.891	ug/l	96
59) 2-Hexanone	10.967	43	116	34.868	ug/l	98
60) Dibromochloromethane	10.867	129	691	1.237	ug/l #	11
71) Bromoform	12.620	173	735	1.691	ug/l #	1
74) N-amyl acetate	12.267	43	115	5.787	ug/l #	43
76) 1,2,3-Trichloropropane	12.620	75	34962	61.378	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	34962	132.756	ug/l #	18
96) 1,2,3-Trichlorobenzene	15.585	180	1355	1.611	ug/l #	15

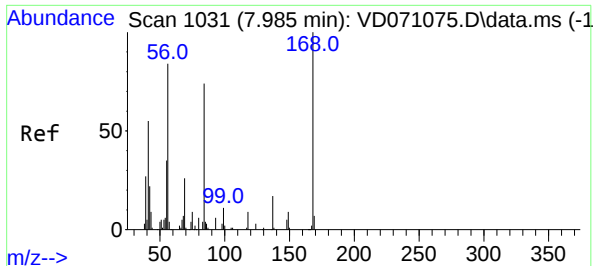
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
Data File : VD071319.D
Acq On : 14 Dec 2021 14:31
Operator : VA/SY
Sample : M5022-59RE
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 15 08:29:37 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

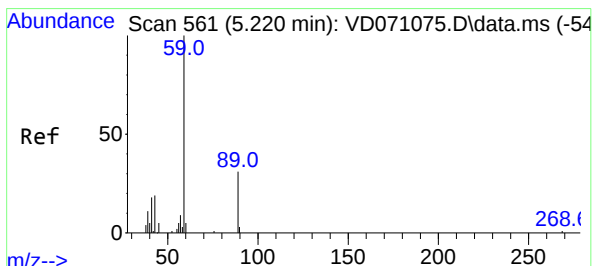
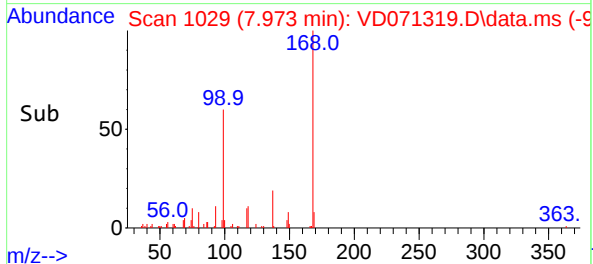
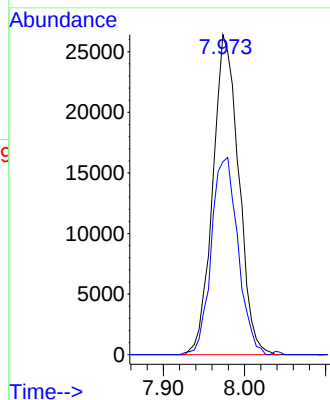
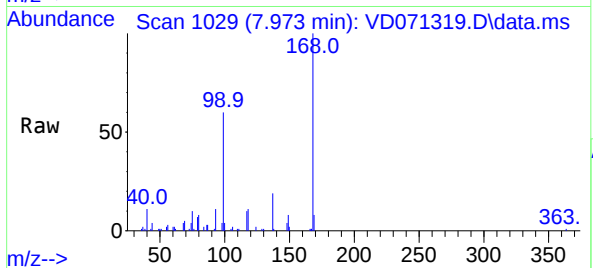




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

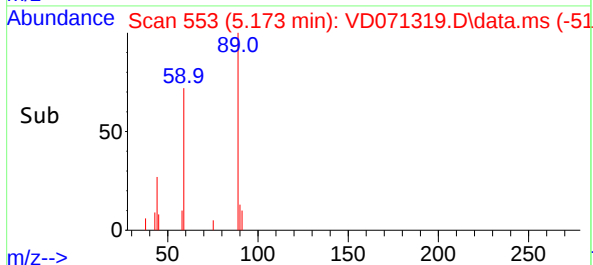
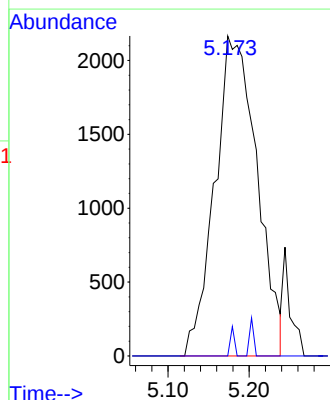
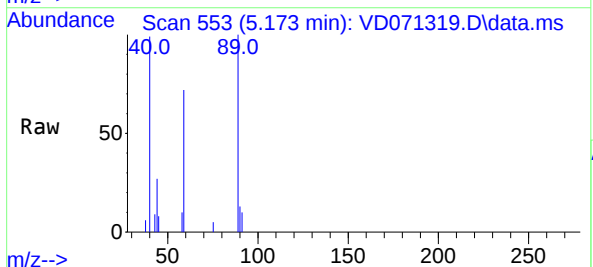
Instrument :
MSVOA_D
ClientSampleId :

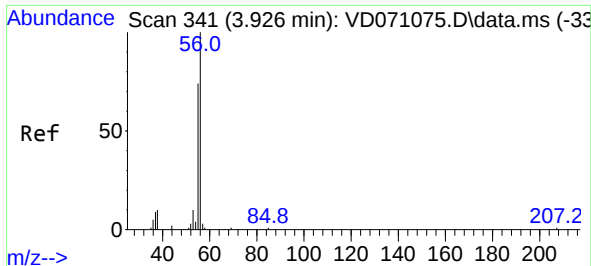
Tgt Ion:168 Resp: 58616
Ion Ratio Lower Upper
168 100
99 60.3 46.6 69.8



#11
Tert butyl alcohol
Concen: 148.192 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion: 59 Resp: 7792
Ion Ratio Lower Upper
59 100
57 0.9 9.0 13.4#

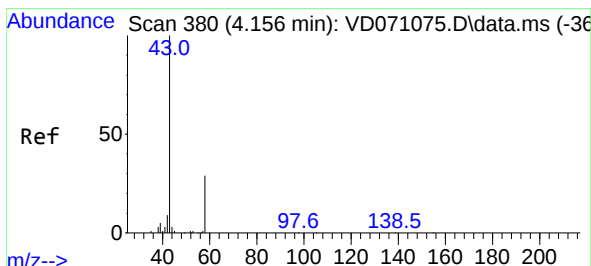
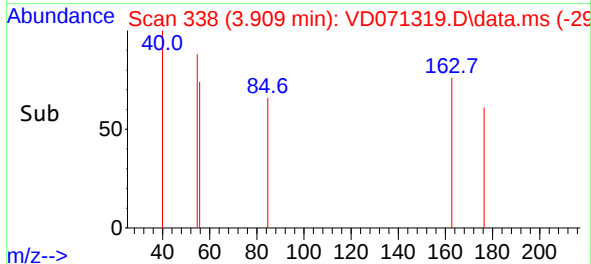
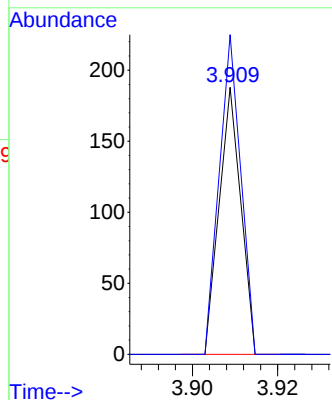
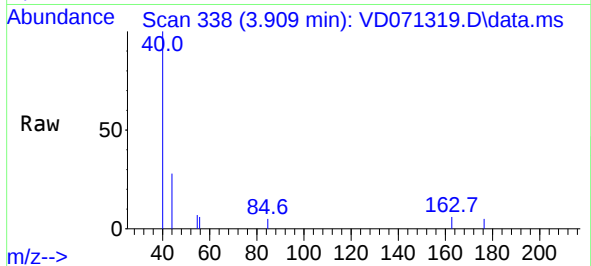




#13
Acrolein
Concen: 1.404 ug/l
RT: 3.909 min Scan# 31
Delta R.T. -0.017 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

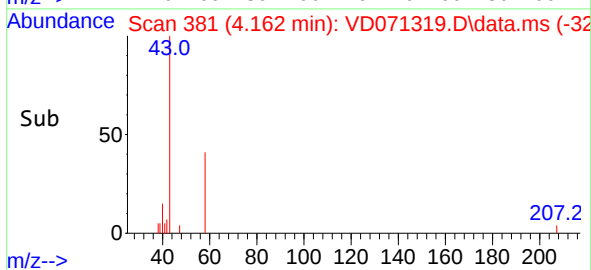
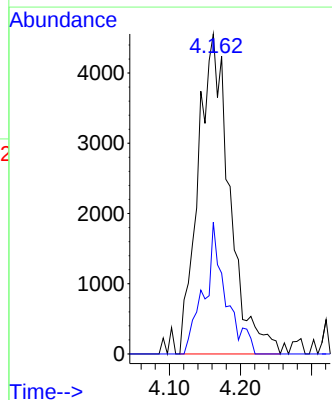
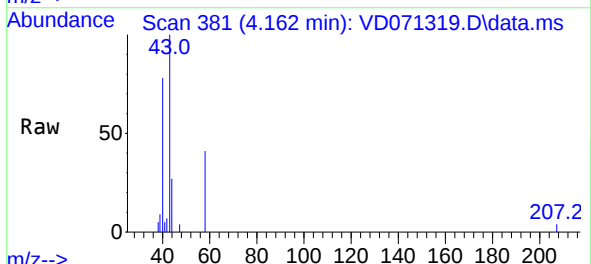
Instrument :
MSVOA_D
ClientSampleId :

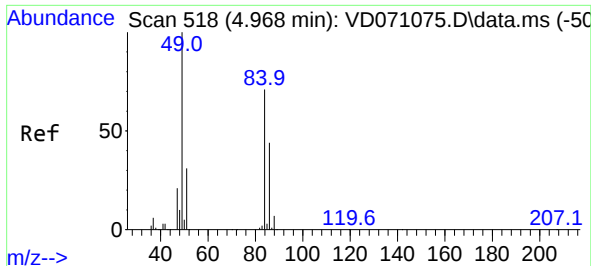
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 119.7 58.6 87.8#



#16
Acetone
Concen: 98.389 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

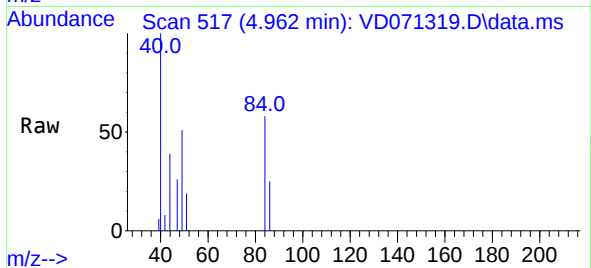
Tgt Ion: 43 Resp: 14079
Ion Ratio Lower Upper
43 100
58 41.1 27.8 41.8



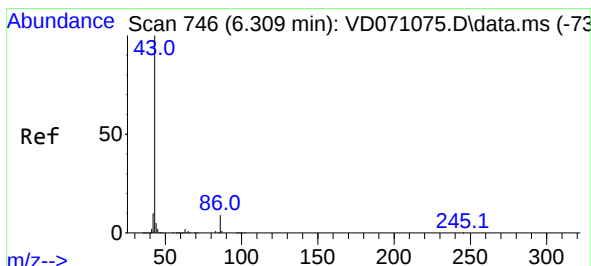
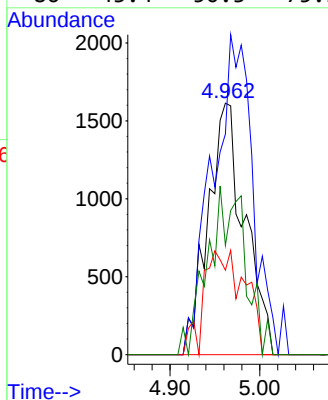
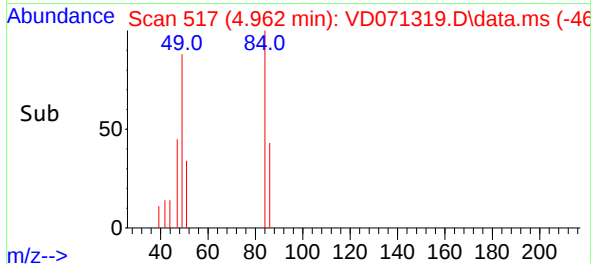


#20
Methylene Chloride
Concen: 2.628 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Instrument :
MSVOA_D
ClientSampleId :

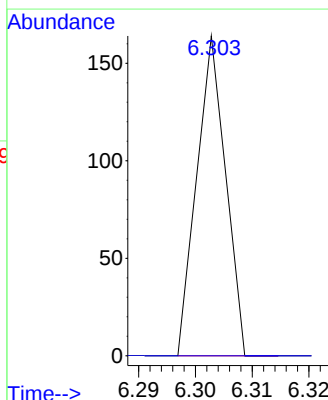
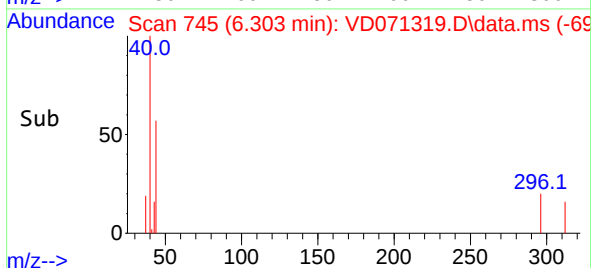
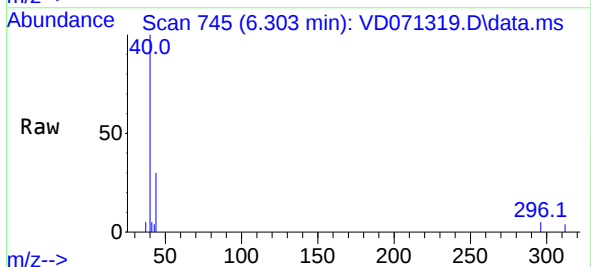


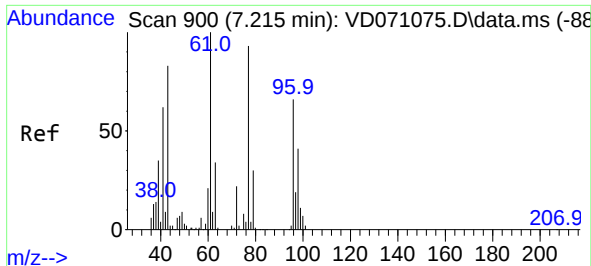
Tgt Ion: 84 Resp: 4570
Ion Ratio Lower Upper
84 100
49 87.7 95.8 143.6#
51 33.6 30.9 46.3
86 43.4 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.264 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

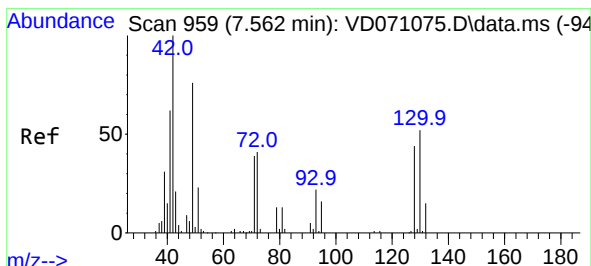
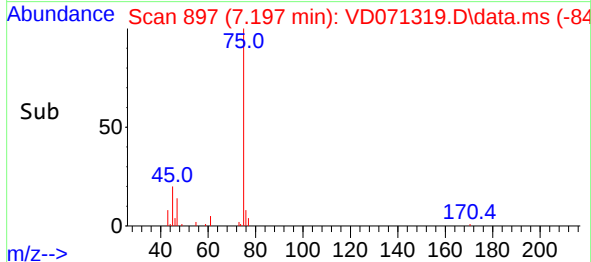
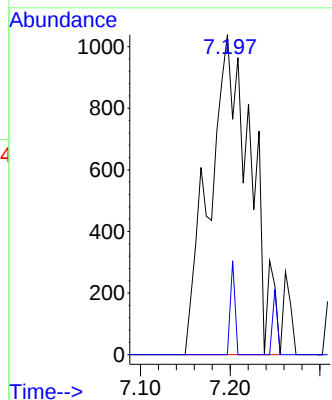
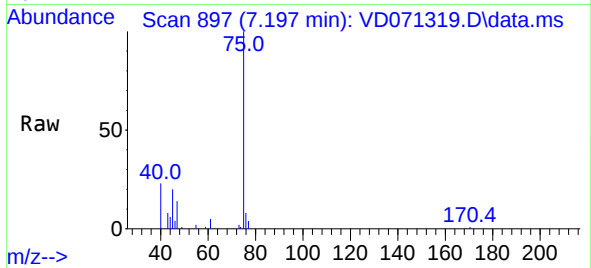




#25
2-Butanone
Concen: 42.464 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

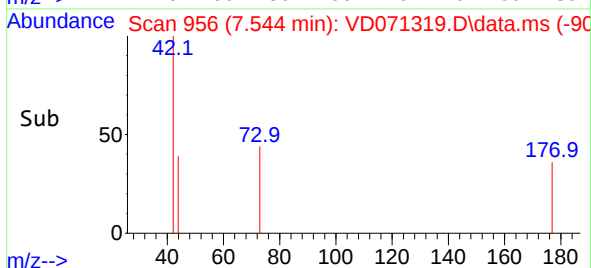
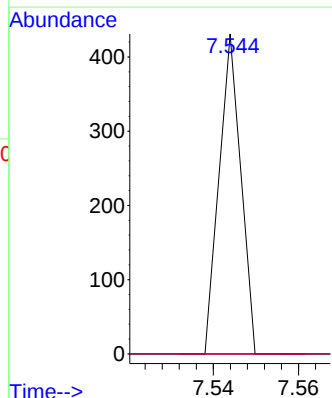
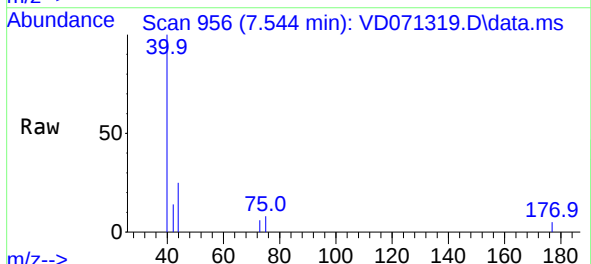
Instrument :
MSVOA_D
ClientSampleId :

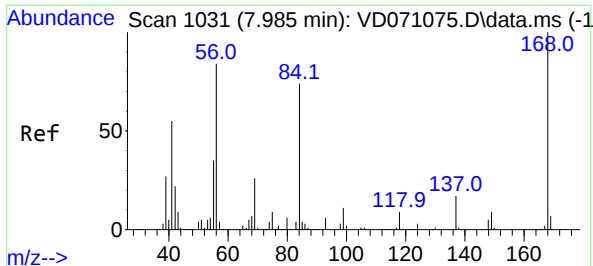
Tgt Ion: 43 Resp: 3356
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.392 ug/l
RT: 7.544 min Scan# 956
Delta R.T. -0.018 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion: 42 Resp: 152
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.803 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071319.D

Acq: 14 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

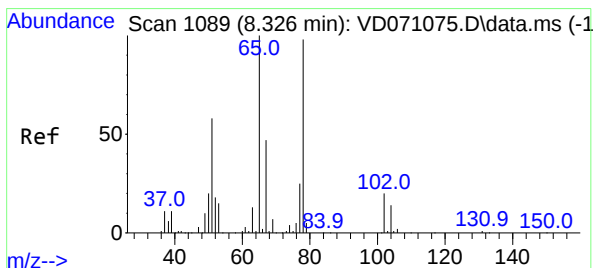
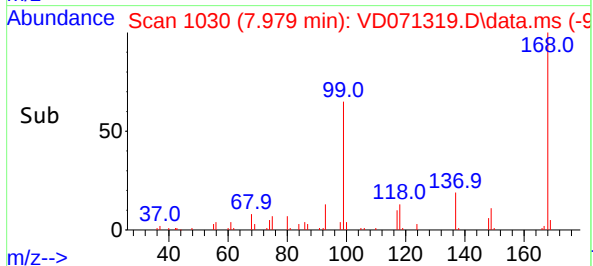
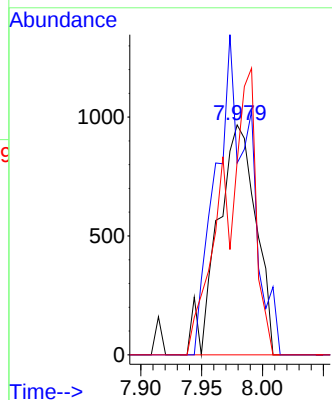
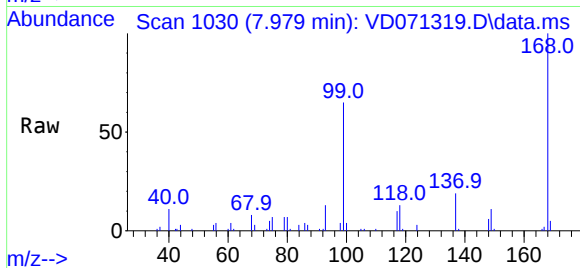
Tgt Ion: 56 Resp: 2109

Ion Ratio Lower Upper

56 100

69 83.5 25.9 38.9#

84 84.2 64.3 96.5



#33

1,2-Dichloroethane-d4

Concen: 69.623 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071319.D

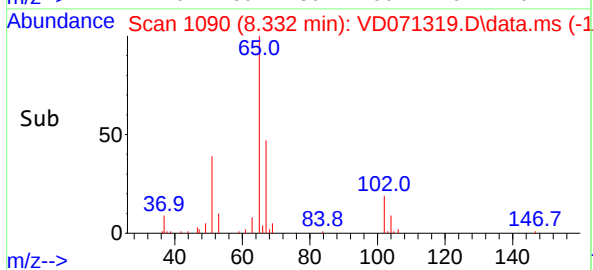
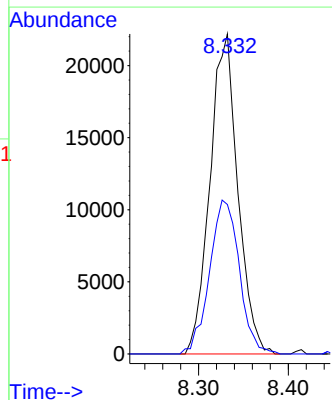
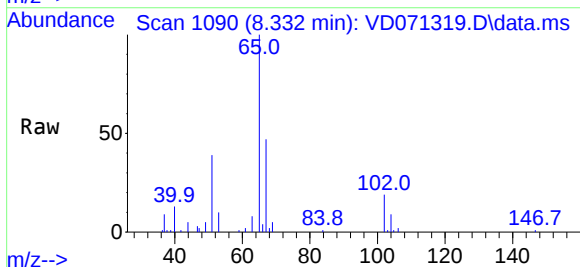
Acq: 14 Dec 2021 14:31

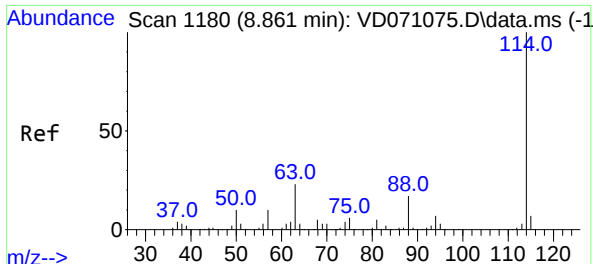
Tgt Ion: 65 Resp: 47886

Ion Ratio Lower Upper

65 100

67 51.3 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: VD071319.D

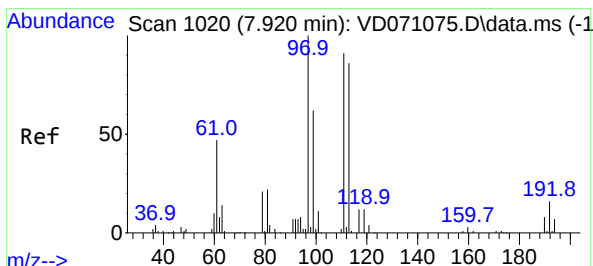
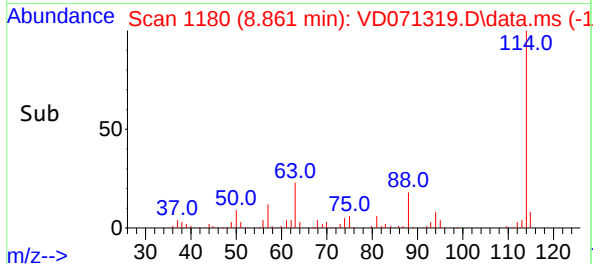
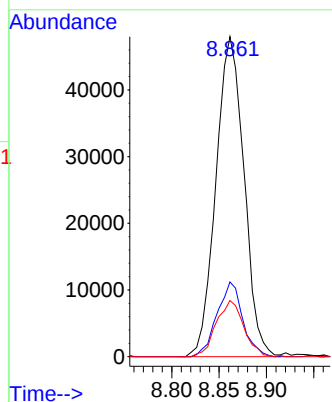
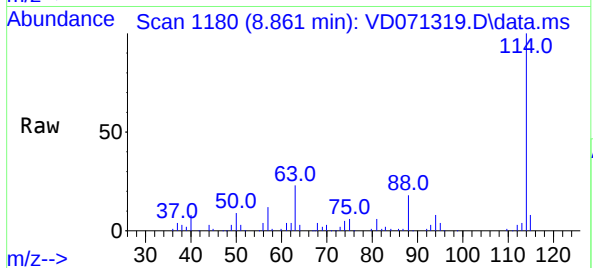
Acq: 14 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	98948
Ion Ratio	Lower	Upper
114	100	
63	23.3	0.0 41.8
88	17.5	0.0 32.8



#35

Dibromofluoromethane

Concen: 59.265 ug/l

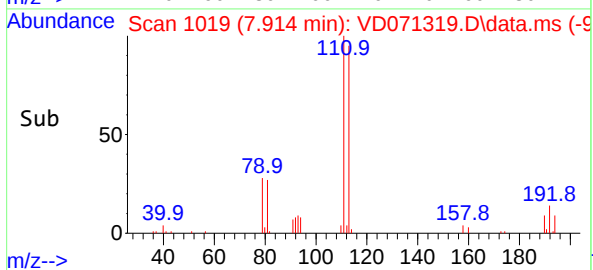
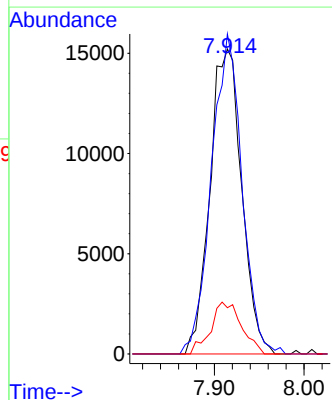
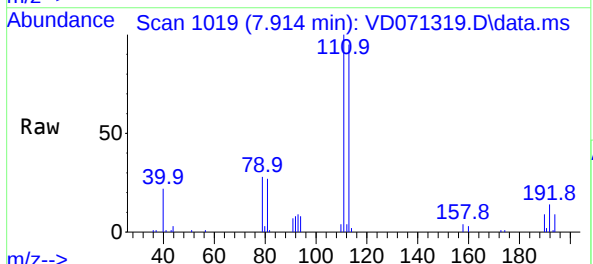
RT: 7.914 min Scan# 1019

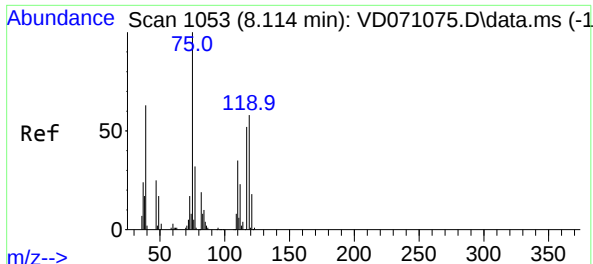
Delta R.T. -0.006 min

Lab File: VD071319.D

Acq: 14 Dec 2021 14:31

Tgt Ion:113	Resp:	37342
Ion Ratio	Lower	Upper
113	100	
111	101.0	82.0 123.0
192	16.5	15.2 22.8

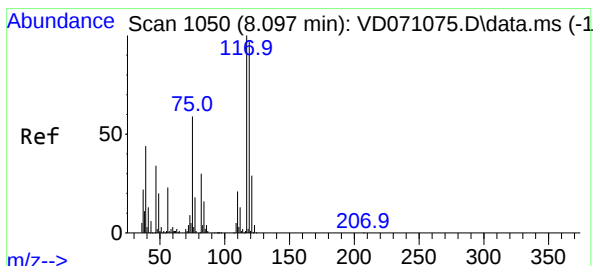
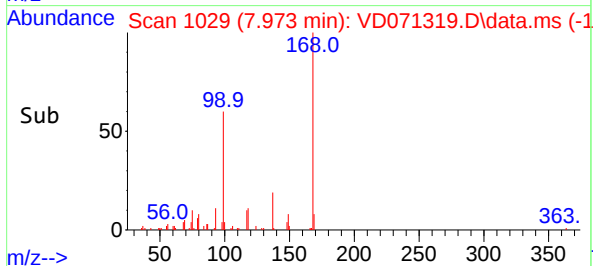
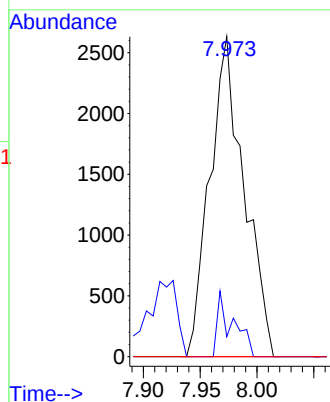
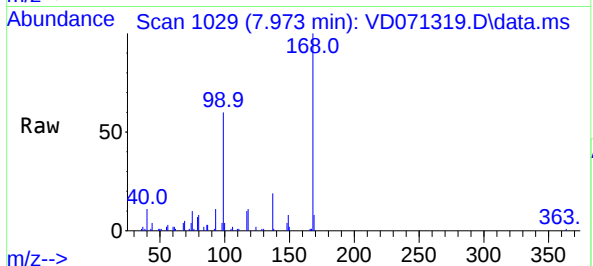




#36
1,1-Dichloropropene
Concen: 5.963 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

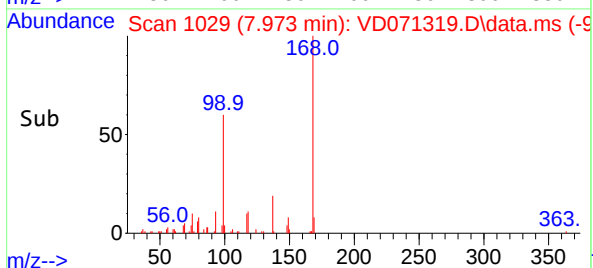
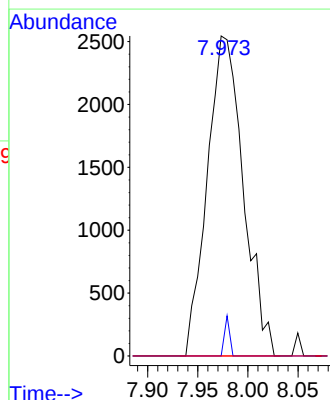
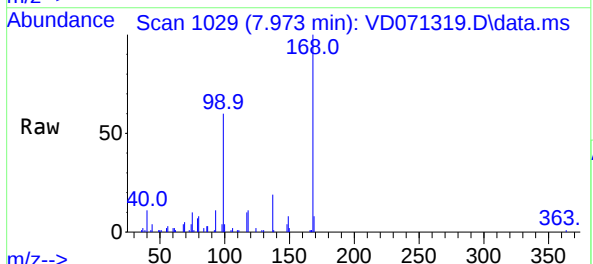
Instrument :
MSVOA_D
ClientSampleId :

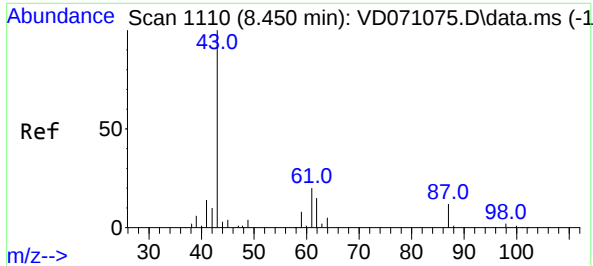
Tgt Ion: 75 Resp: 5515
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 7.001 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion: 117 Resp: 6382
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

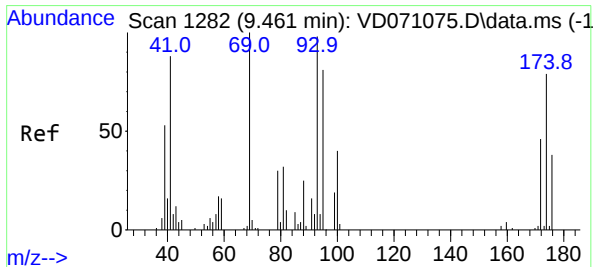
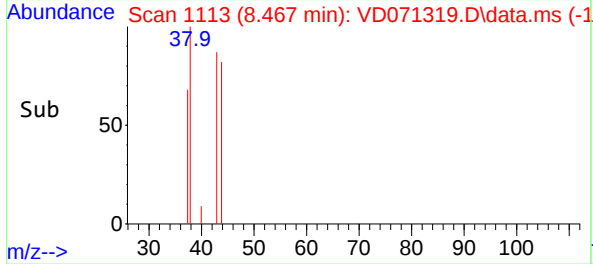
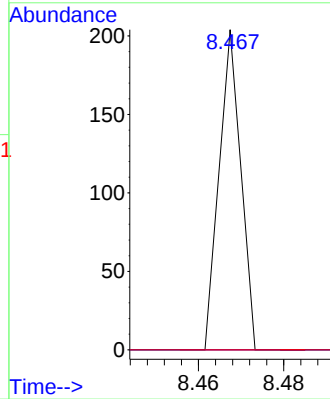
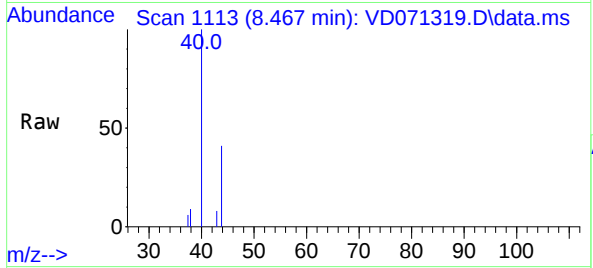




#43
Isopropyl Acetate
Concen: 5.296 ug/l
RT: 8.467 min Scan# 1110
Delta R.T. 0.017 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

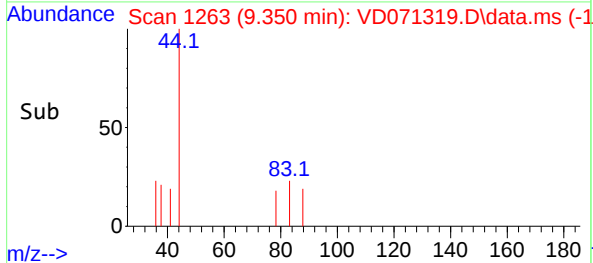
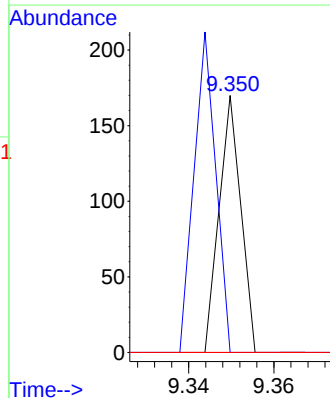
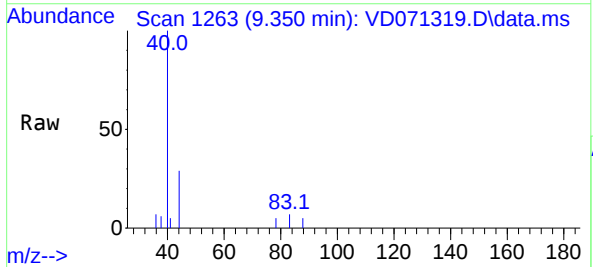
Instrument :
MSVOA_D
ClientSampleId :

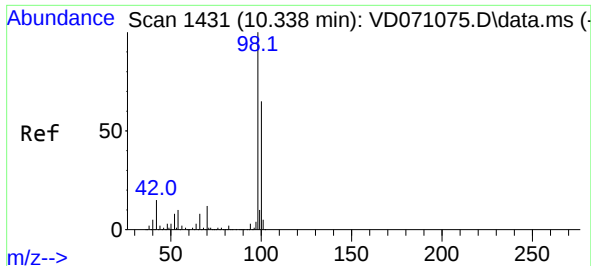
Tgt Ion:	43	Resp:	72
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



#49
1,4-Dioxane
Concen: 18.135 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.111 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	125.0	28.9	43.3#
58	0.0	56.3	84.5#

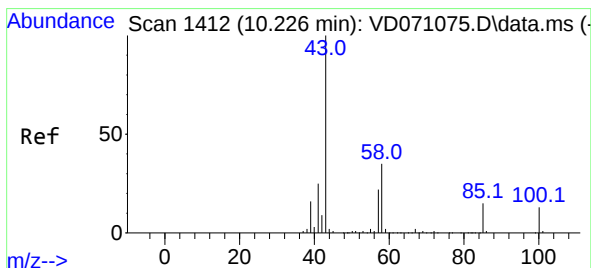
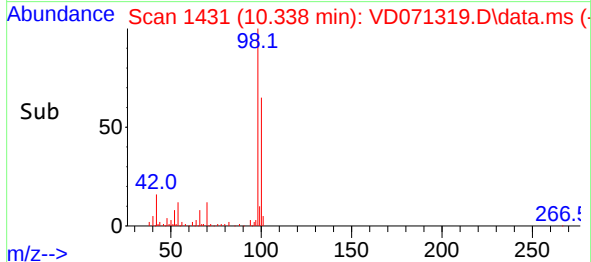
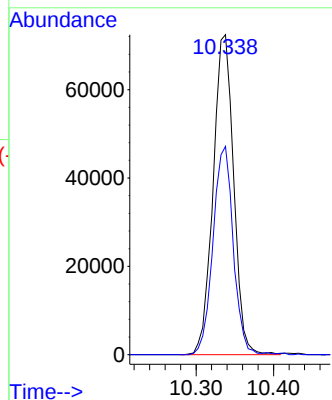
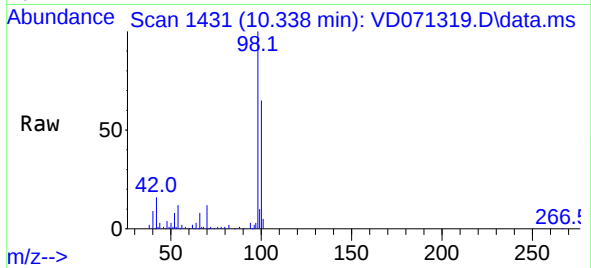




#50
Toluene-d8
Concen: 55.636 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

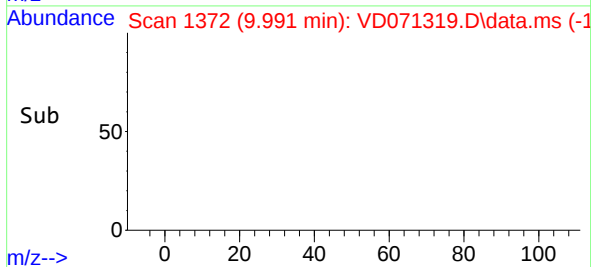
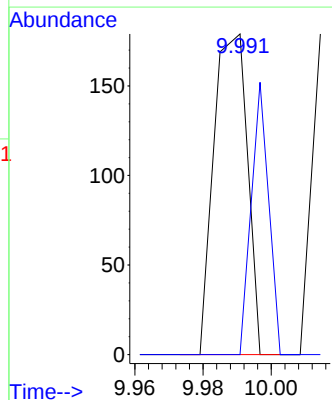
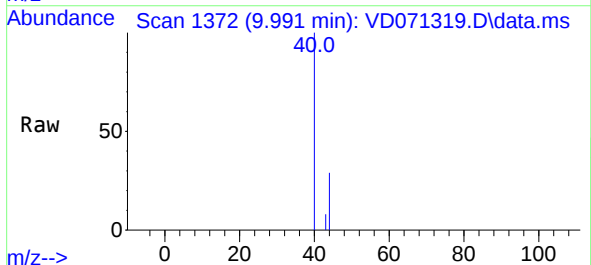
Instrument :
MSVOA_D
ClientSampleId :

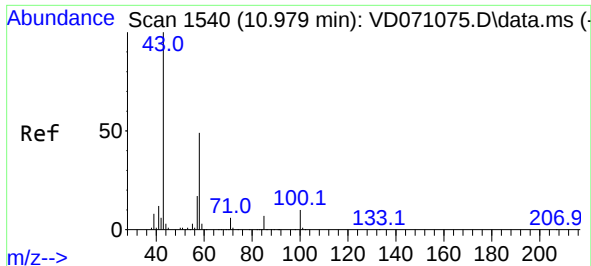
Tgt Ion: 98 Resp: 133406
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.891 ug/l
RT: 9.991 min Scan# 1372
Delta R.T. -0.235 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

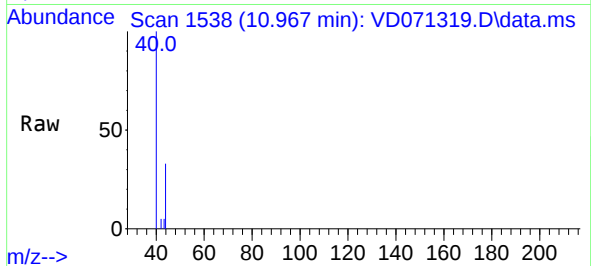
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 43.9 33.1 49.7



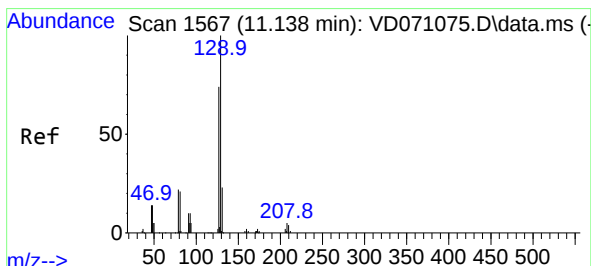
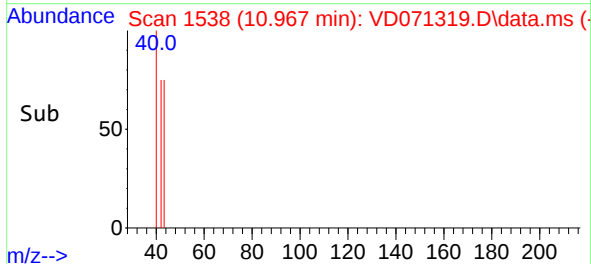
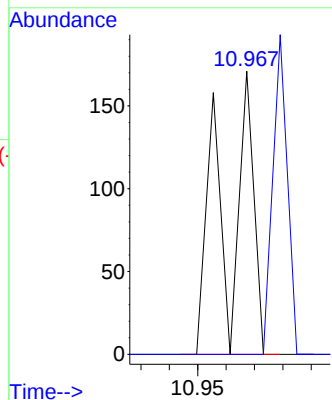


#59
2-Hexanone
Concen: 34.868 ug/l
RT: 10.967 min Scan# 116
Delta R.T. -0.012 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Instrument :
MSVOA_D
ClientSampleId :

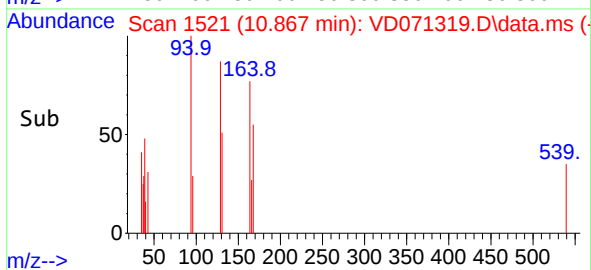
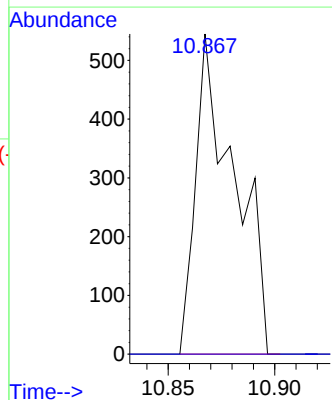
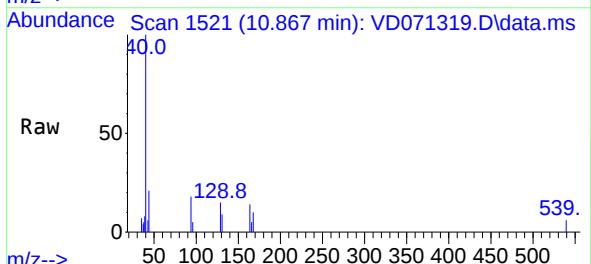


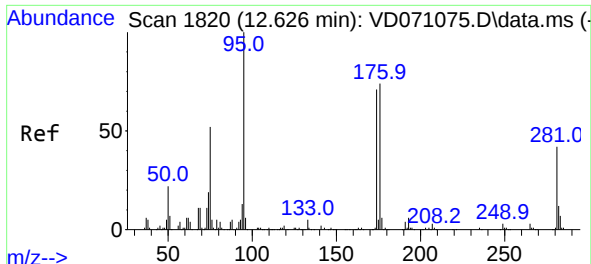
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 58.6 28.7 86.1



#60
Dibromochloromethane
Concen: 1.237 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.271 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion: 129 Resp: 691
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

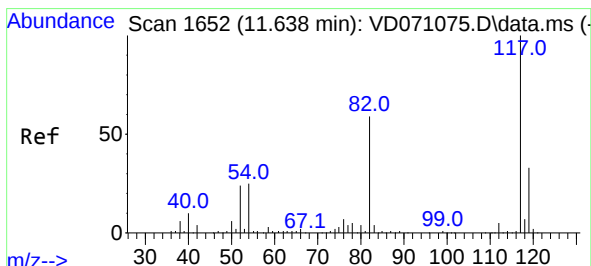
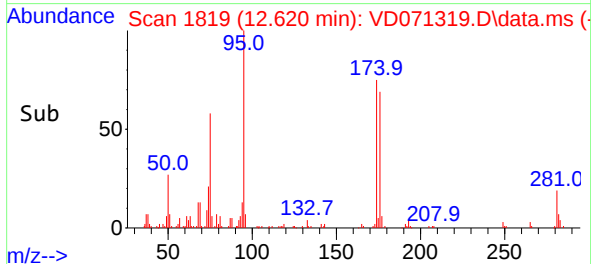
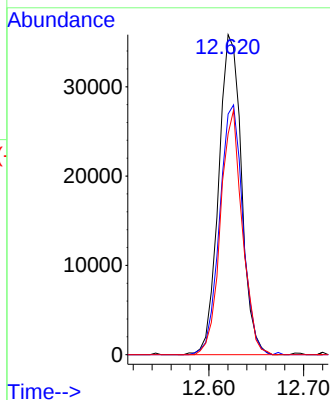
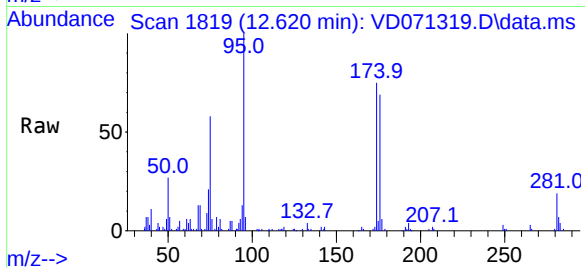




#62
4-Bromofluorobenzene
Concen: 72.211 ug/l
RT: 12.620 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

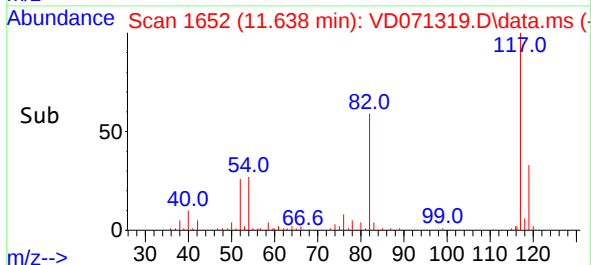
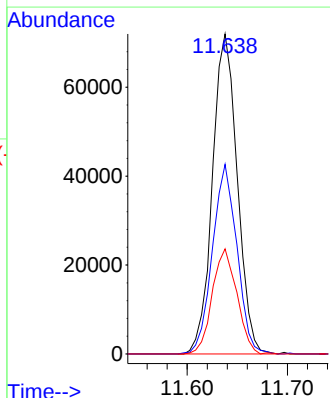
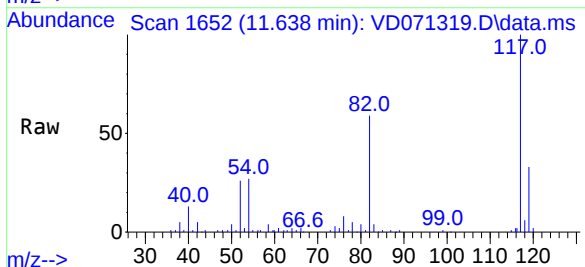
Instrument :
MSVOA_D
ClientSampleId :

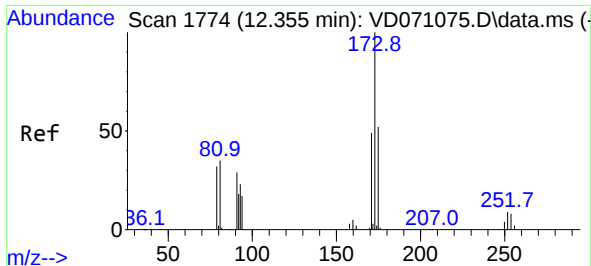
Tgt Ion: 95 Resp: 60020
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.4
176 72.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

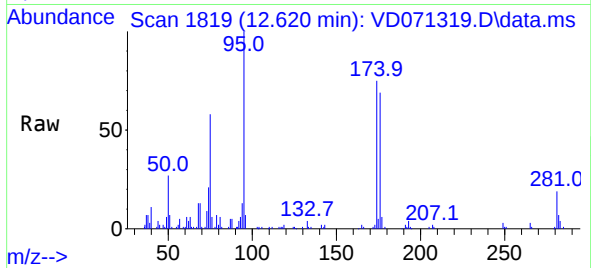
Tgt Ion: 117 Resp: 123831
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 32.8 26.2 39.4



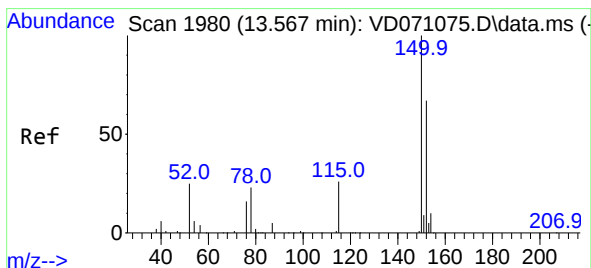
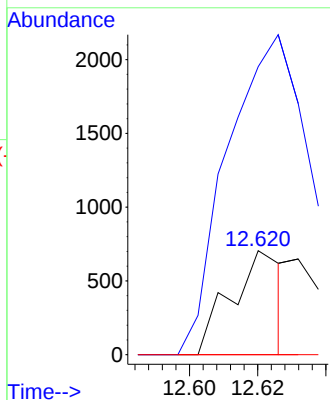
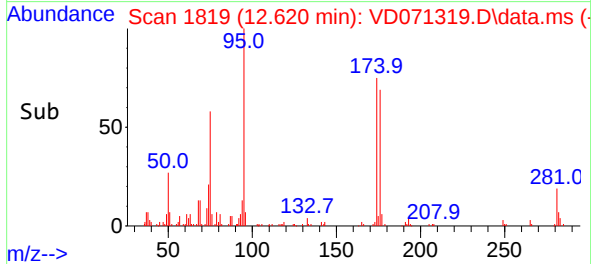


#71
Bromoform
Concen: 1.691 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

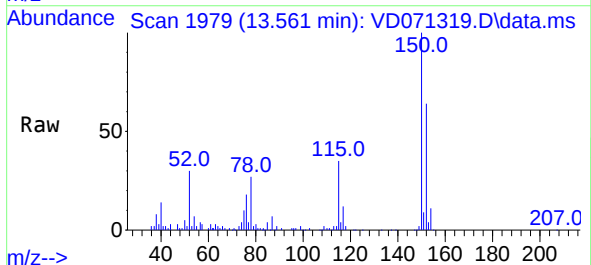
Instrument :
MSVOA_D
ClientSampleId :



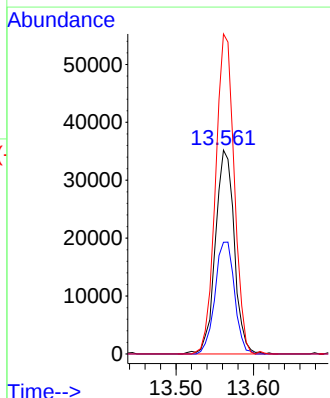
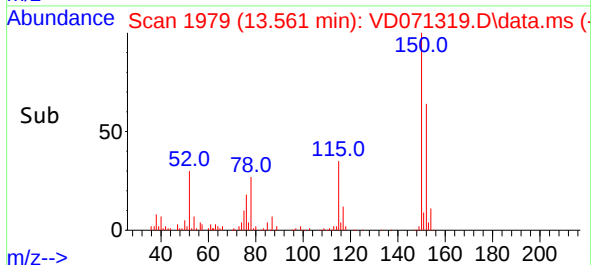
Tgt Ion:173 Resp: 735
Ion Ratio Lower Upper
173 100
175 428.7 24.1 72.2#
254 0.0 0.1 0.1#

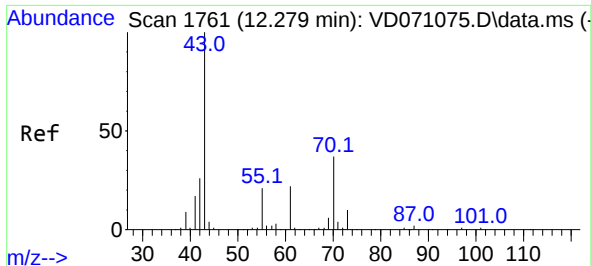


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31



Tgt Ion:152 Resp: 59786
Ion Ratio Lower Upper
152 100
115 56.7 29.8 89.3
150 154.8 0.0 349.2

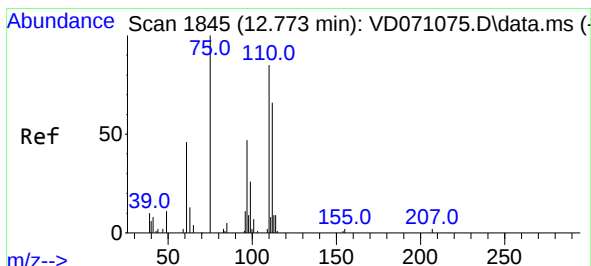
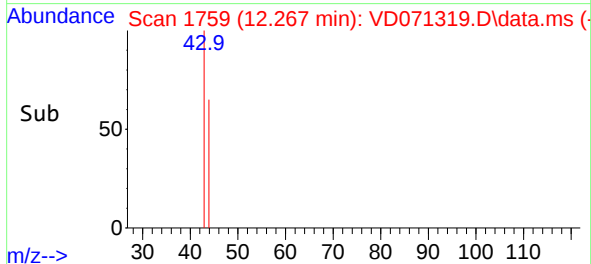
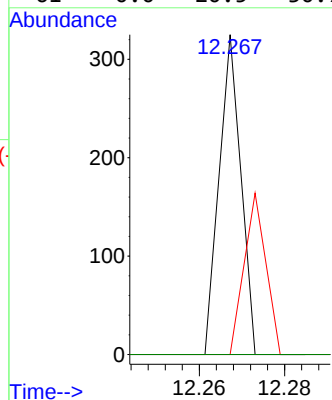
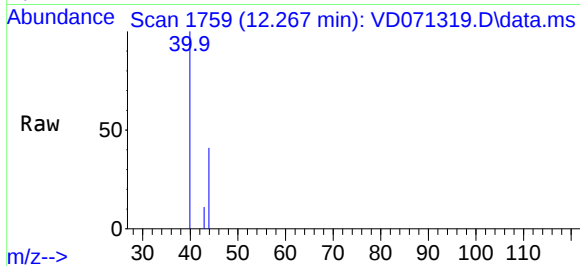




#74
N-amy1 acetate
Concen: 5.787 ug/l
RT: 12.267 min Scan# 1115
Delta R.T. -0.012 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

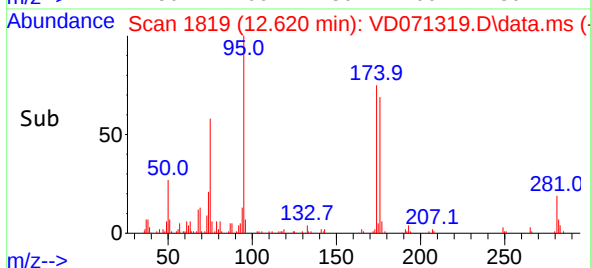
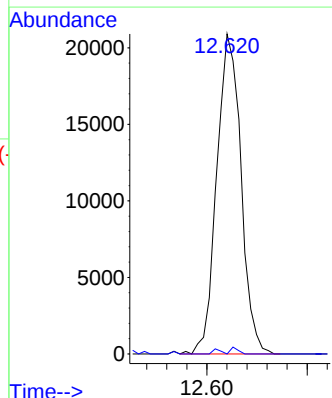
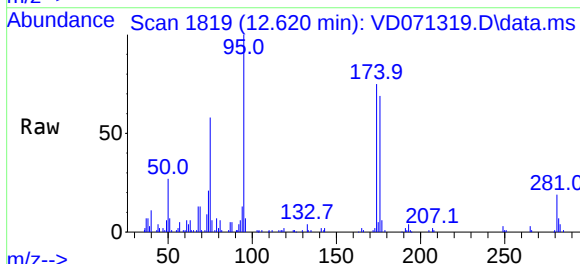
Instrument :
MSVOA_D
ClientSampleId :

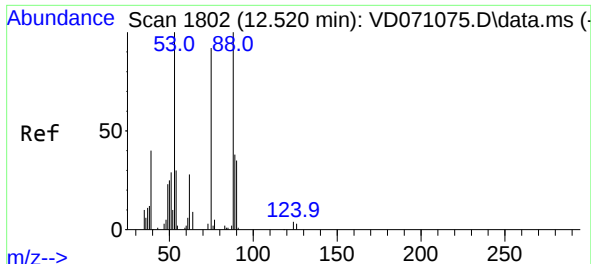
Tgt Ion: 43	Resp:	115
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	50.4	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 61.378 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion: 75	Resp:	34962
Ion	Ratio	Lower Upper
75	100	
77	0.7	158.4 475.3#

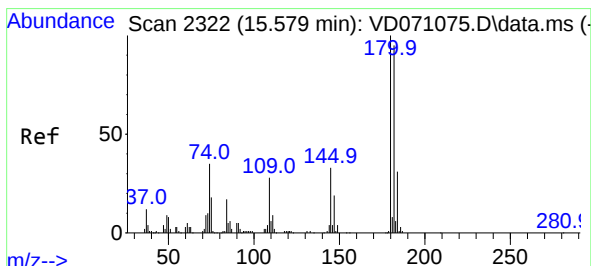
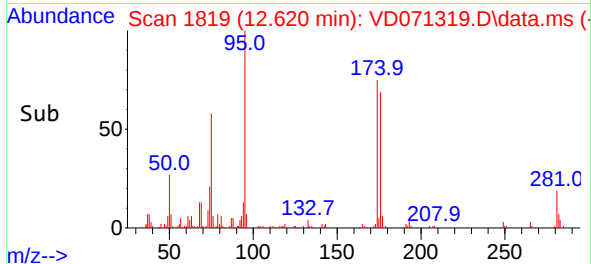
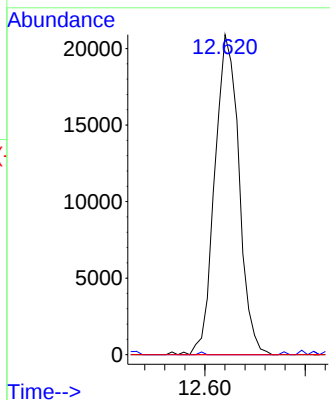
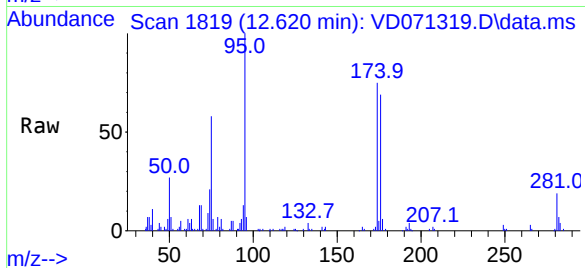




#81
trans-1,4-Dichloro-2-butene
Concen: 132.756 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34962
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.611 ug/l
RT: 15.585 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VD071319.D
Acq: 14 Dec 2021 14:31

Tgt Ion:180 Resp: 1355
Ion Ratio Lower Upper
180 100
182 0.0 46.7 140.1#
145 4.6 15.9 47.6#

