

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069747.D
 Acq On : 19 Jul 2021 13:01
 Operator : VA/SY
 Sample : M3072-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:11:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

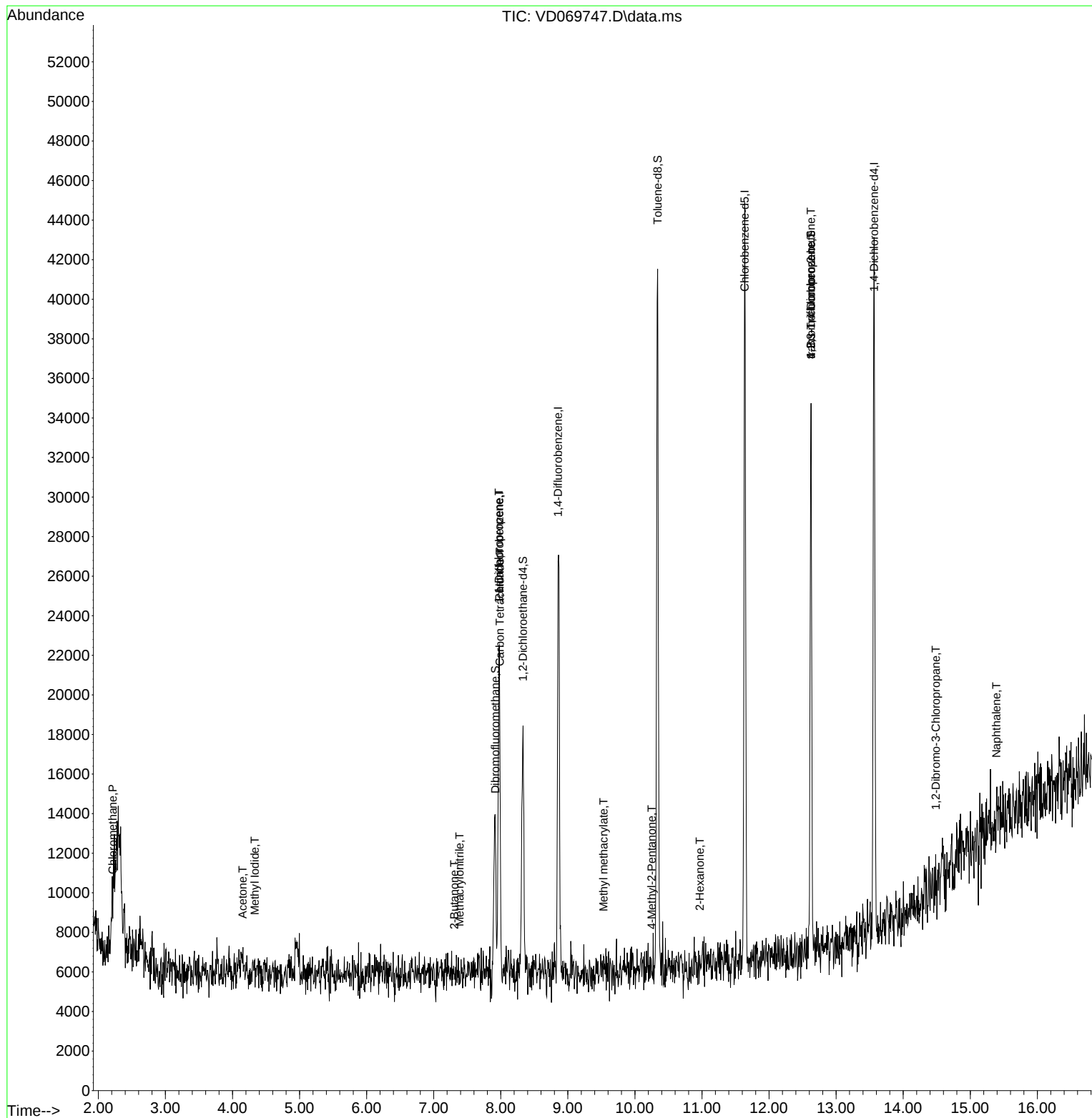
Internal Standards						
1) Pentafluorobenzene	7.979	168	11586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	19535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	20882	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	10091	69.754	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.500%
35) Dibromofluoromethane	7.920	113	5604	42.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.520%
50) Toluene-d8	10.338	98	25116	49.329	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.626	95	9635	56.741	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.480%
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	264	1.330	ug/l #	38
5) Bromomethane	2.791	94	168	Below Cal	#	5
10) Methyl Iodide	4.332	142	69	2.924	ug/l #	36
16) Acetone	4.150	43	1064	45.030	ug/l #	39
18) Methyl Acetate	4.879	43	60	Below Cal	#	49
25) 2-Butanone	7.308	43	68	1.989	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	999	4.957	ug/l #	42
38) Carbon Tetrachloride	7.985	117	1204	6.524	ug/l #	13
41) Methacrylonitrile	7.385	41	59	1.493	ug/l #	18
48) Methyl methacrylate	9.532	41	78	2.155	ug/l #	13
51) 4-Methyl-2-Pentanone	10.249	43	140	1.937	ug/l #	34
59) 2-Hexanone	10.967	43	83	1.722	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	4644	47.670	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	4644	128.112	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.485	75	63	2.974	ug/l #	8
95) Naphthalene	15.390	128	62	2.392	ug/l #	69

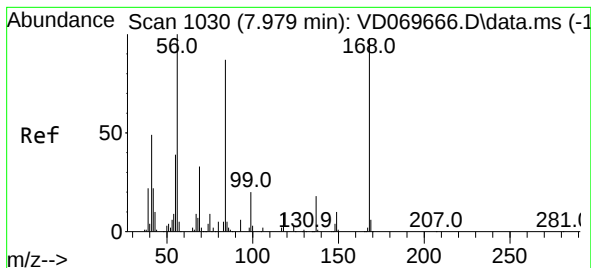
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jul 20 02:11:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

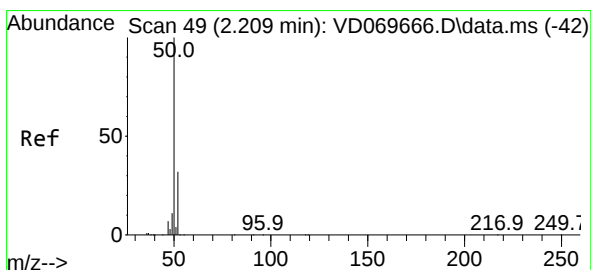
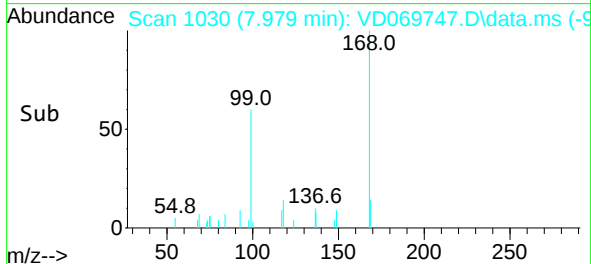
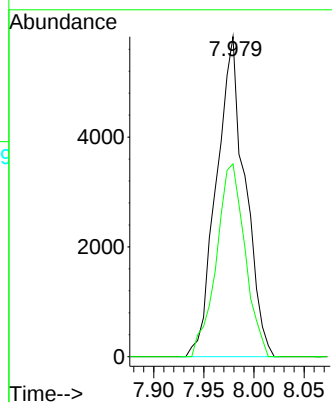
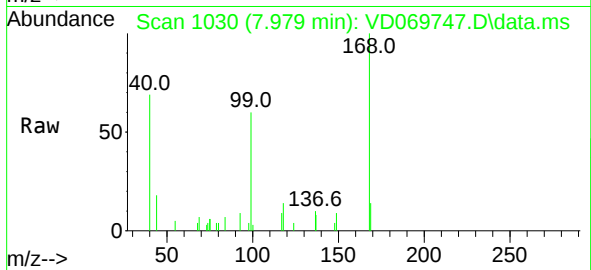




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

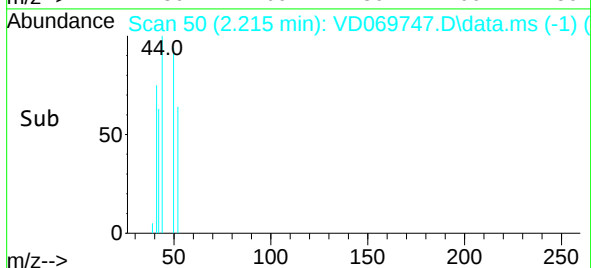
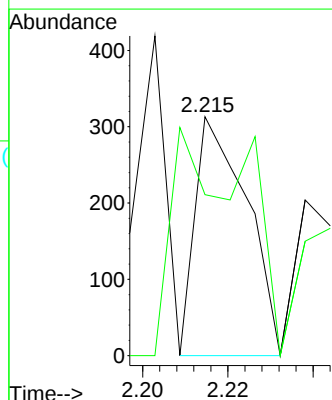
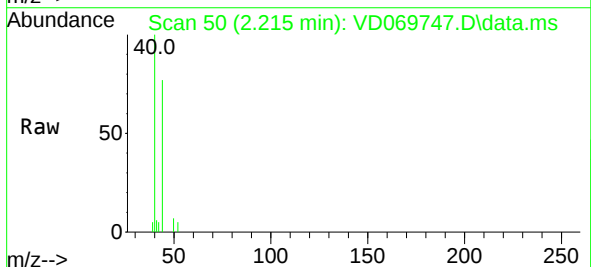
Instrument :
MSVOA_D
ClientSampleId :

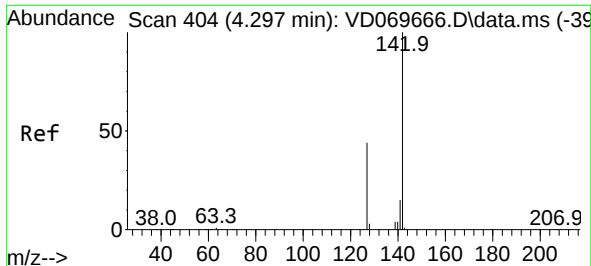
Tgt Ion:168 Resp: 11586
Ion Ratio Lower Upper
168 100
99 60.3 51.8 77.6



#3
Chloromethane
Concen: 1.330 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

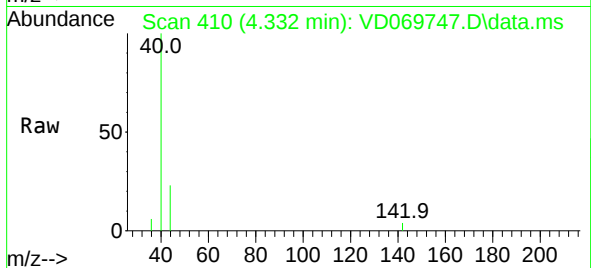
Tgt Ion: 50 Resp: 264
Ion Ratio Lower Upper
50 100
52 67.4 25.9 38.9#



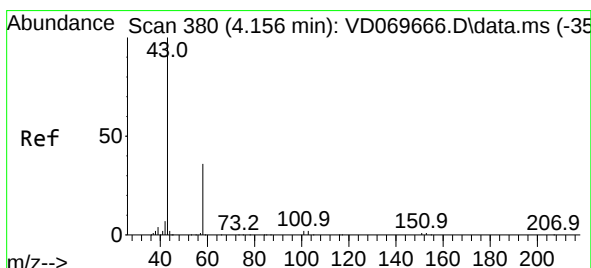
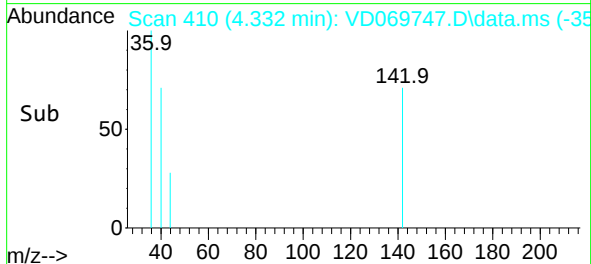
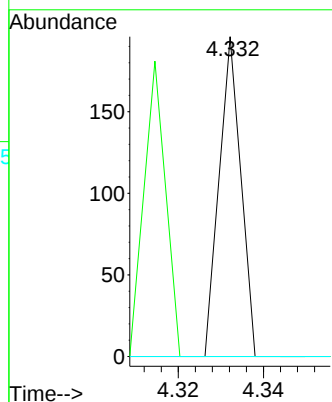


#10
Methyl Iodide
Concen: 2.924 ug/l
RT: 4.332 min Scan# 410
Delta R.T. 0.035 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Instrument :
MSVOA_D
ClientSampleId :

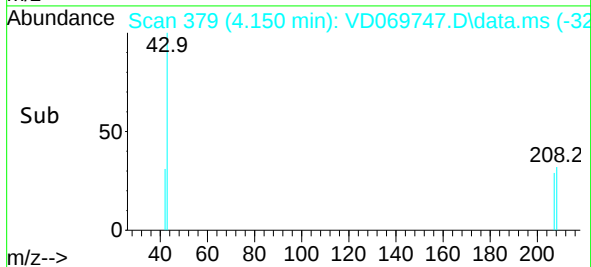
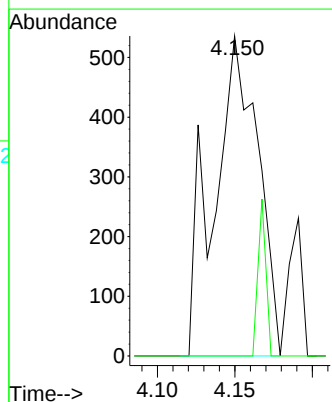
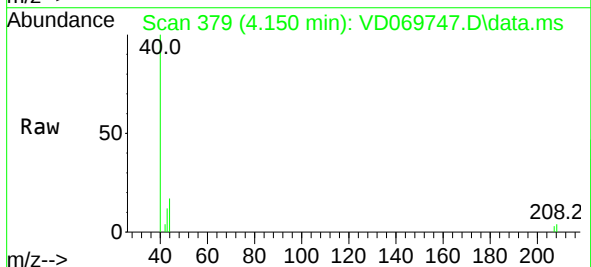


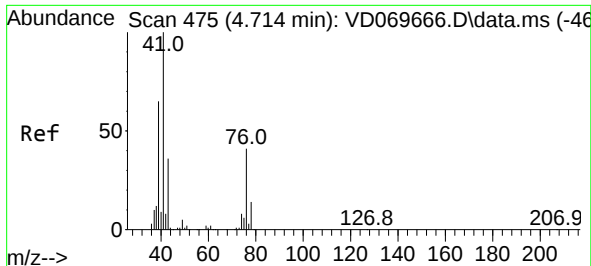
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 92.8 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 45.030 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

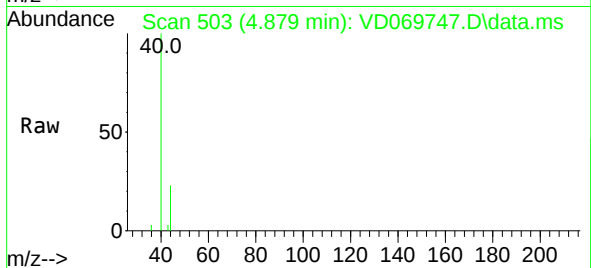
Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



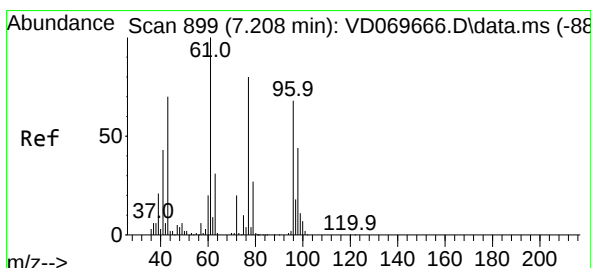
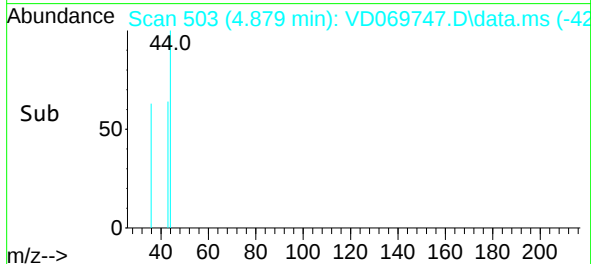
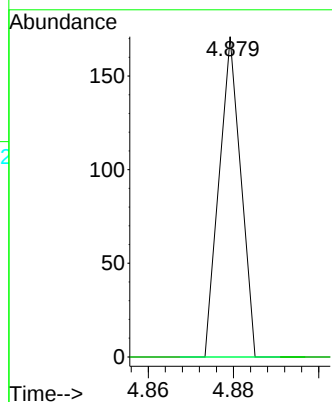


#18
Methyl Acetate
Concen: Below Cal
RT: 4.879 min Scan# 503
Delta R.T. 0.165 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Instrument :
MSVOA_D
ClientSampled :

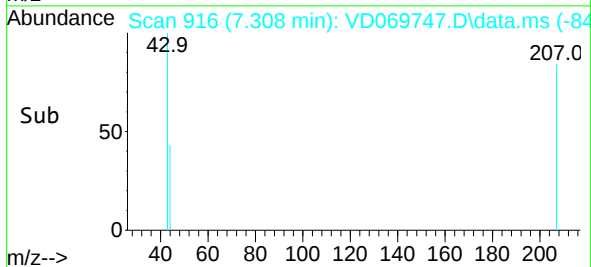
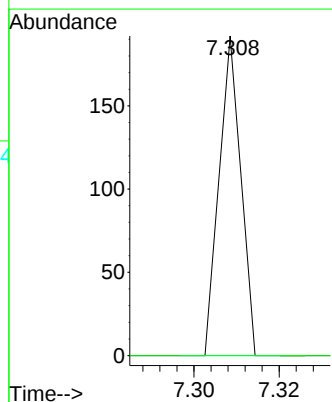
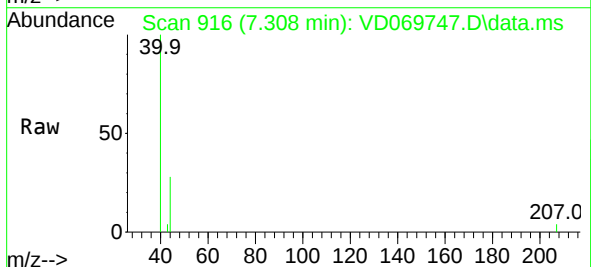


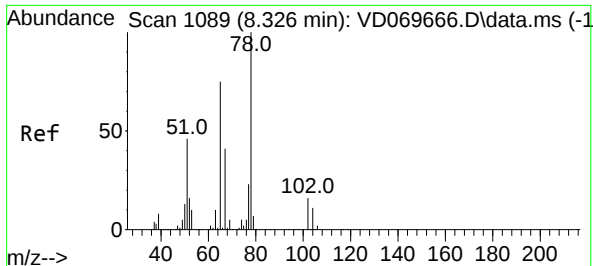
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#25
2-Butanone
Concen: 1.989 ug/l
RT: 7.308 min Scan# 916
Delta R.T. 0.100 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#

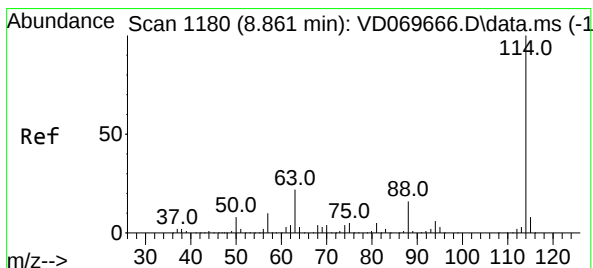
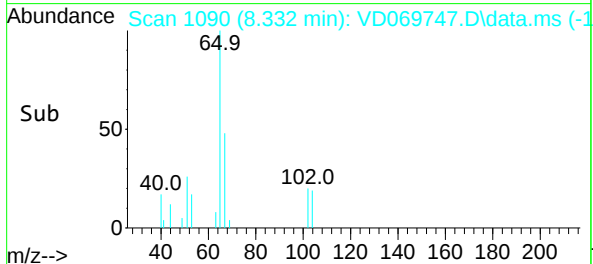
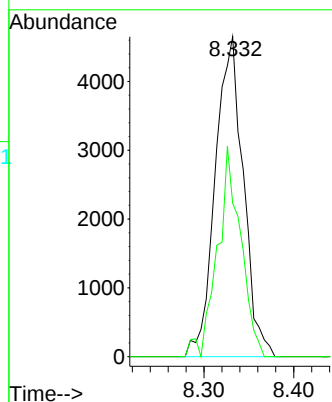
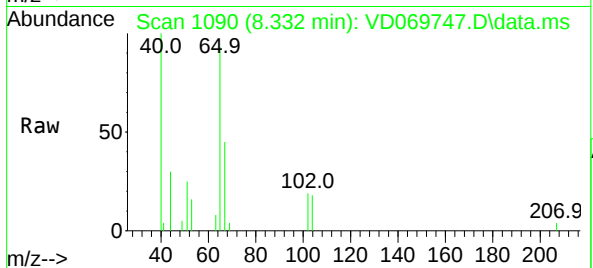




#33
1,2-Dichloroethane-d4
Concen: 69.754 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

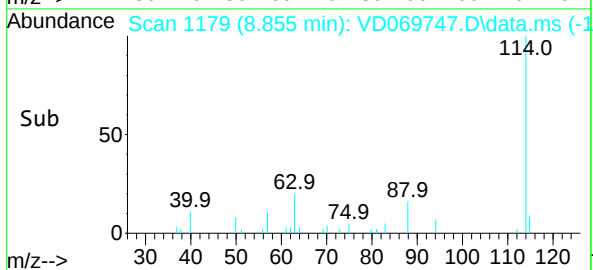
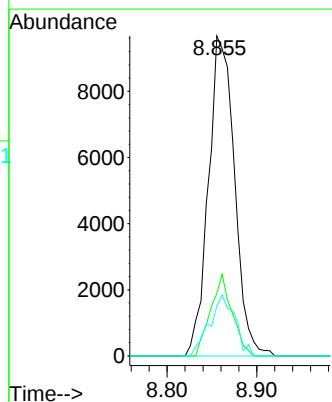
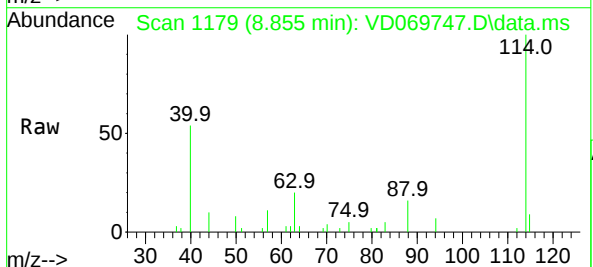
Instrument :
MSVOA_D
ClientSampleId :

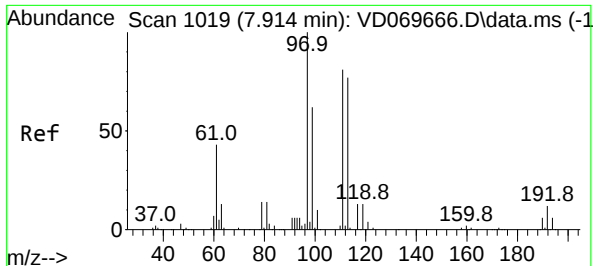
Tgt Ion: 65 Resp: 10091
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Tgt Ion: 114 Resp: 19535
Ion Ratio Lower Upper
114 100
63 19.6 0.0 43.4
88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 42.760 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069747.D

Acq: 19 Jul 2021 13:01

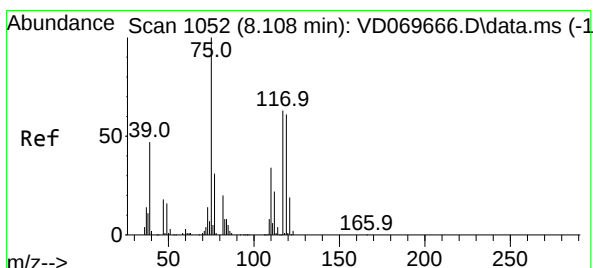
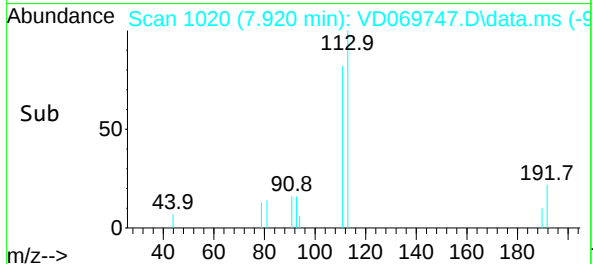
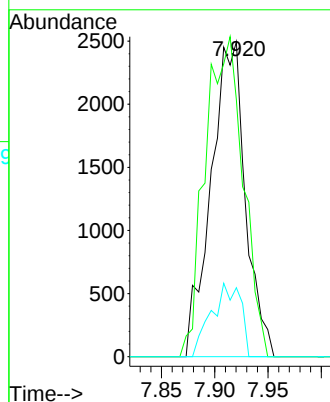
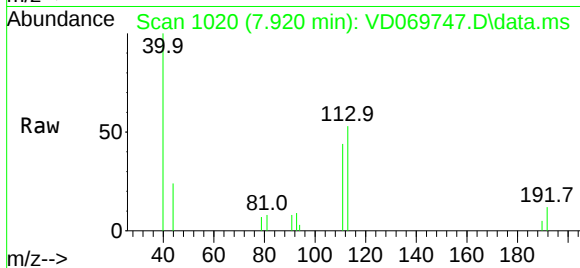
Tgt Ion:113 Resp: 5604

Ion Ratio Lower Upper

113 100

111 112.1 82.6 123.8

192 19.7 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069747.D

Acq: 19 Jul 2021 13:01

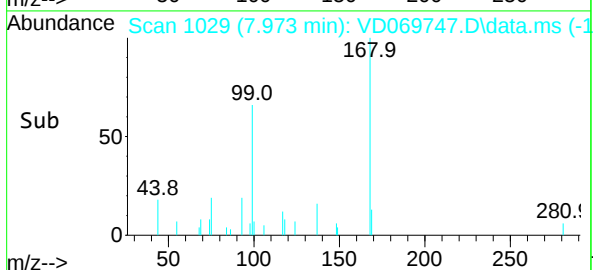
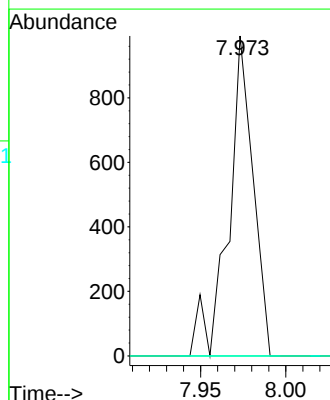
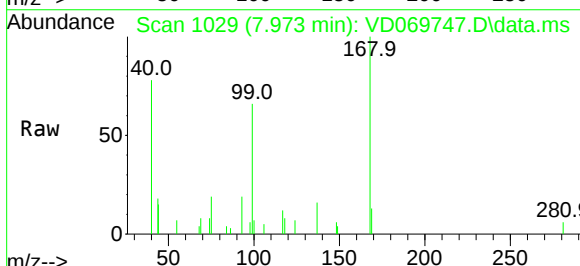
Tgt Ion: 75 Resp: 999

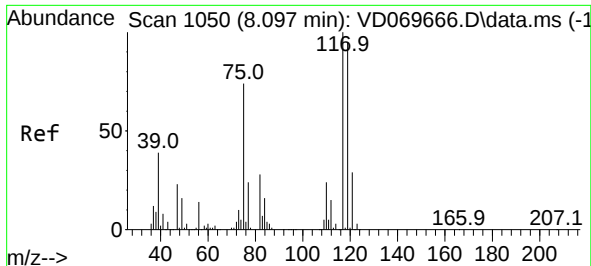
Ion Ratio Lower Upper

75 100

110 0.0 16.7 50.0#

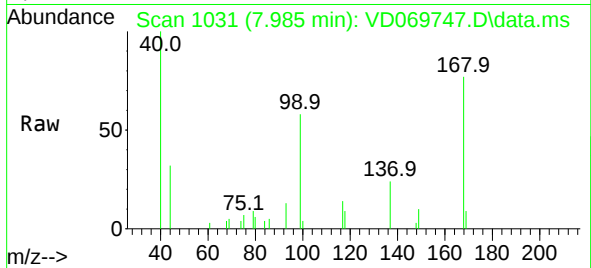
77 0.0 25.3 37.9#



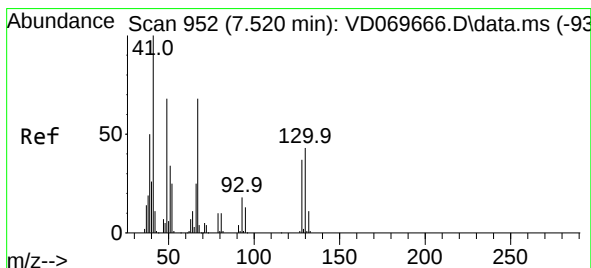
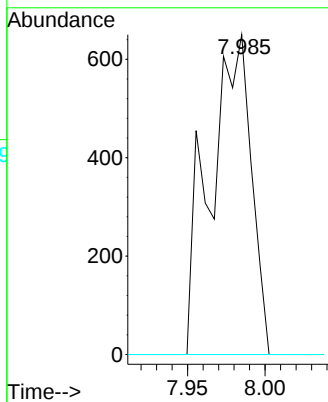
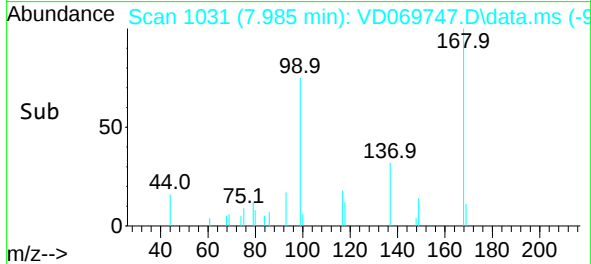


#38
Carbon Tetrachloride
Concen: 6.524 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

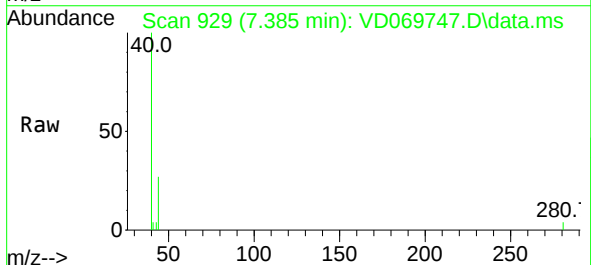
Instrument :
MSVOA_D
ClientSampleId :



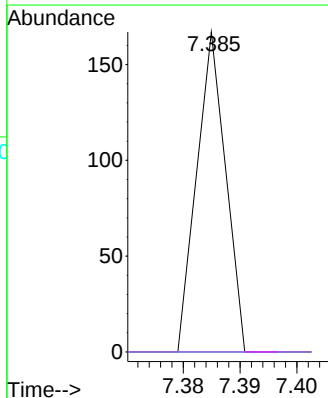
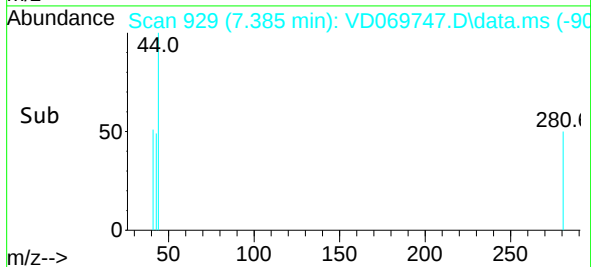
Tgt Ion:117 Resp: 1204
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#

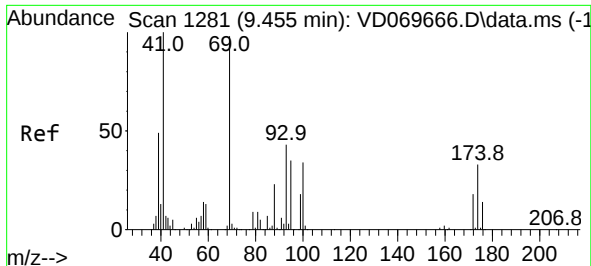


#41
Methacrylonitrile
Concen: 1.493 ug/l
RT: 7.385 min Scan# 929
Delta R.T. -0.135 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01



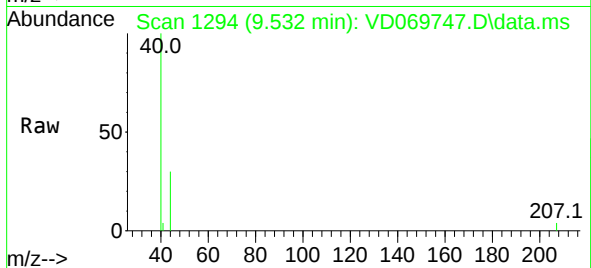
Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
39 0.0 47.4 71.0#
67 0.0 67.0 100.6#
52 0.0 27.3 40.9#



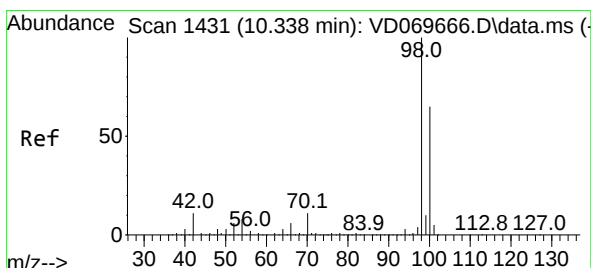
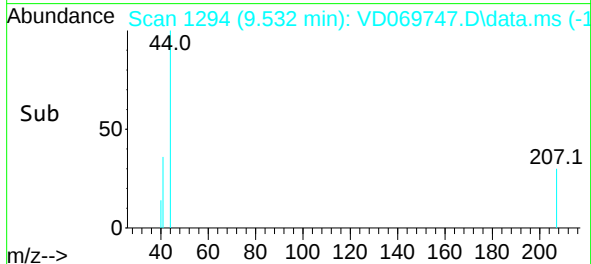
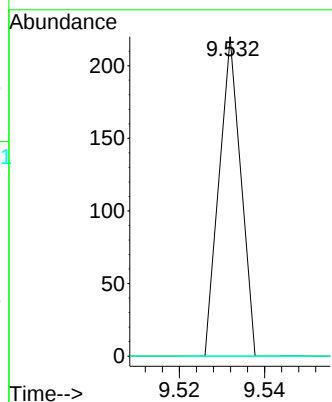


#48
Methyl methacrylate
Concen: 2.155 ug/l
RT: 9.532 min Scan# 1294
Delta R.T. 0.077 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Instrument :
MSVOA_D
ClientSampled :

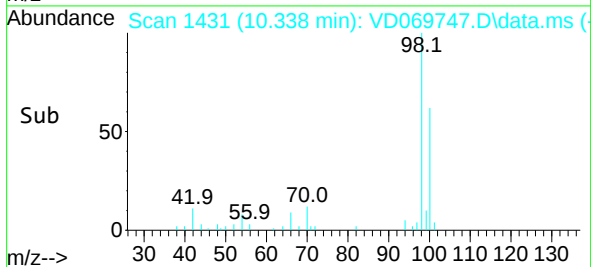
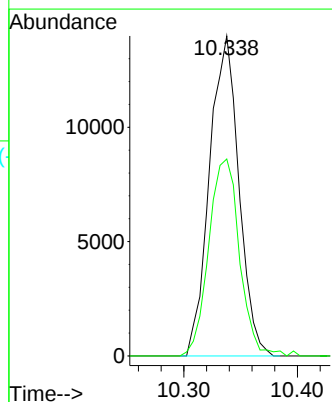
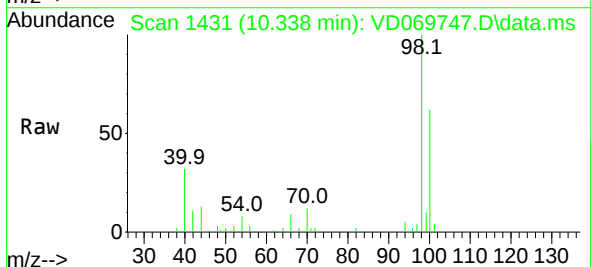


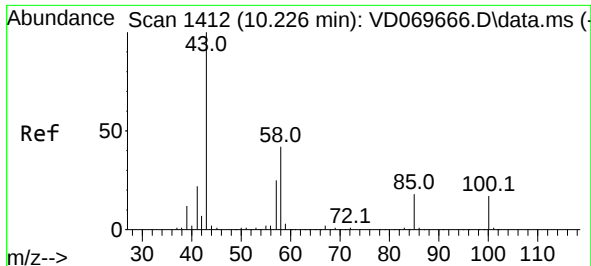
Tgt Ion: 41 Resp: 78
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 49.329 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Tgt Ion: 98 Resp: 25116
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

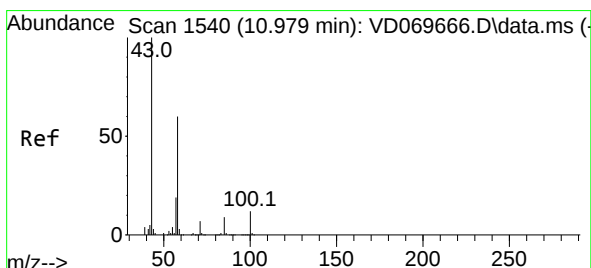
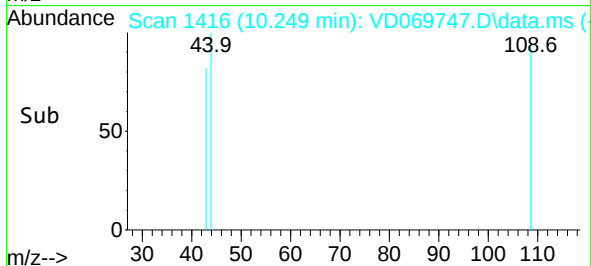
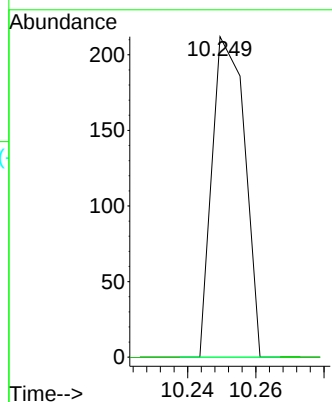
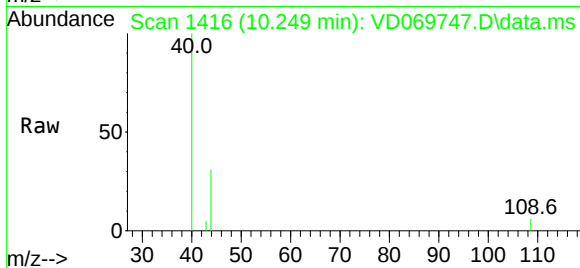




#51
4-Methyl-2-Pentanone
Concen: 1.937 ug/l
RT: 10.249 min Scan# 1416
Delta R.T. 0.023 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

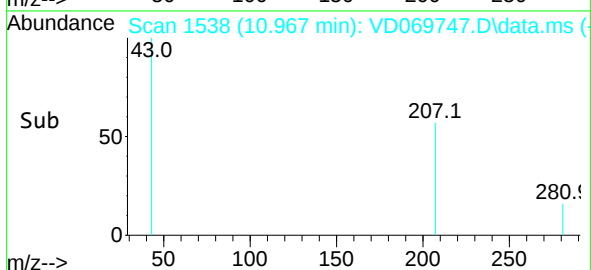
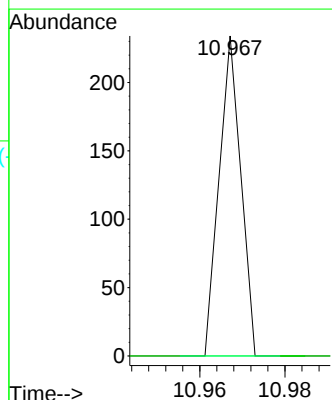
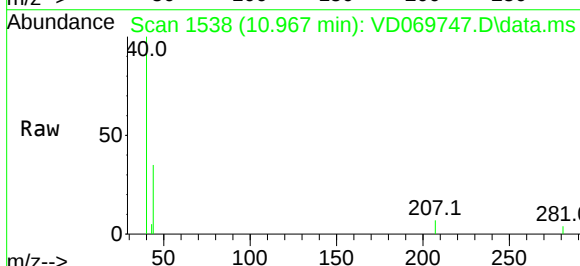
Instrument :
MSVOA_D
ClientSampled :

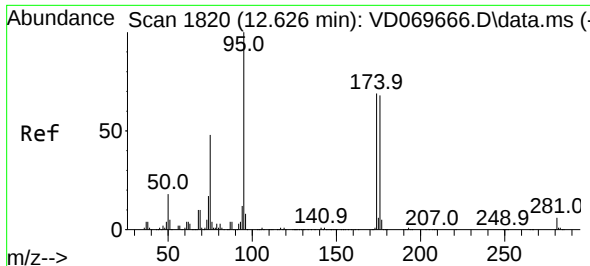
Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#59
2-Hexanone
Concen: 1.722 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#

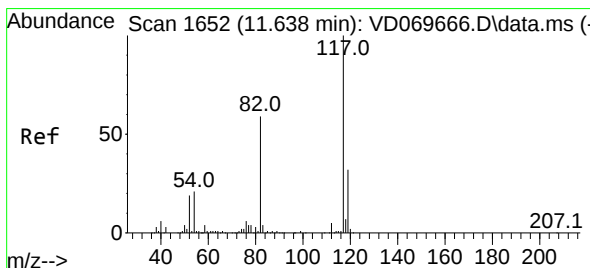
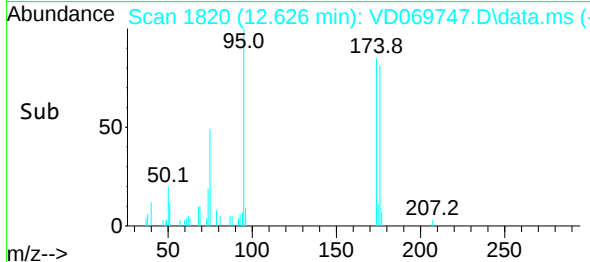
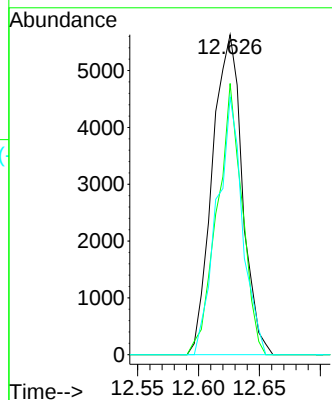
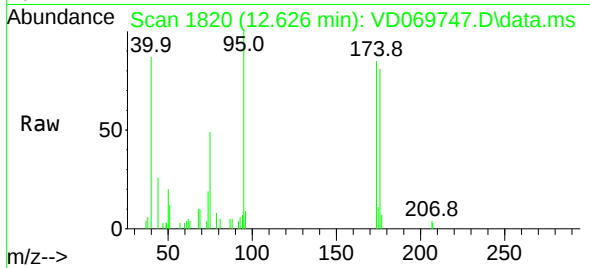




#62
4-Bromofluorobenzene
Concen: 56.741 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

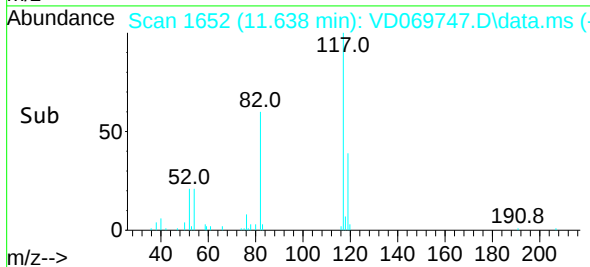
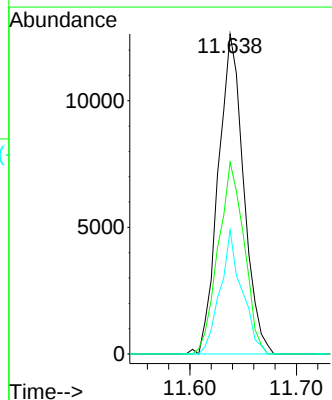
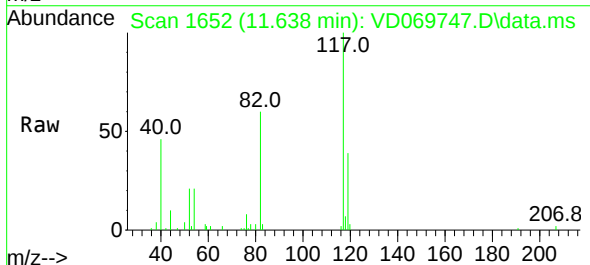
Instrument :
MSVOA_D
ClientSampleId :

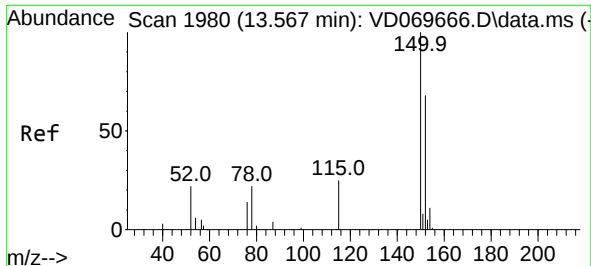
Tgt Ion:	95	Resp:	9635
Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	140.0
176	69.2	0.0	136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Tgt Ion:	117	Resp:	20882
Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.4	71.2
119	38.7	25.5	38.3

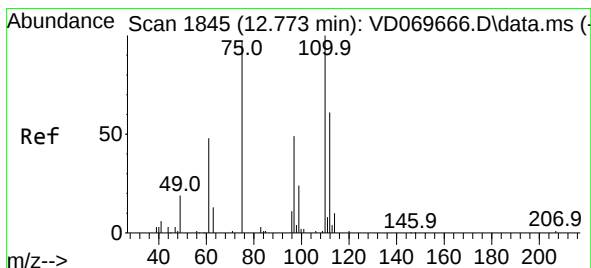
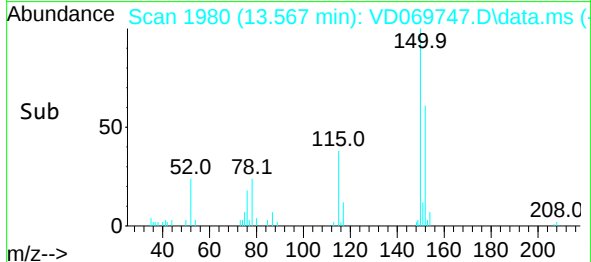
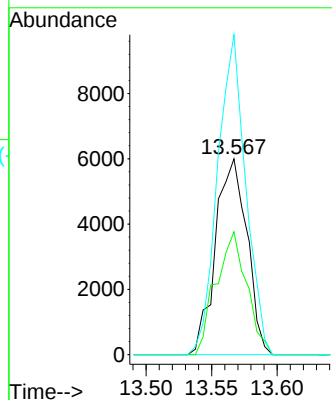
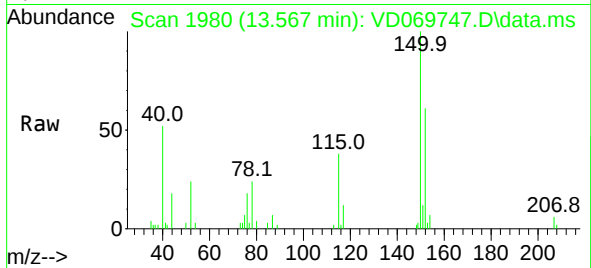




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

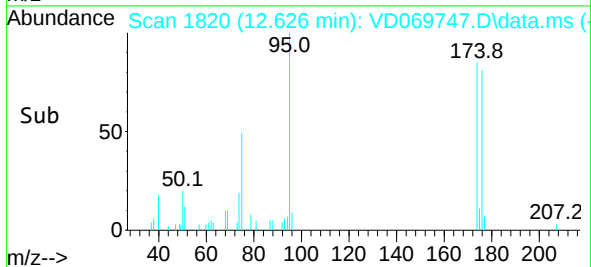
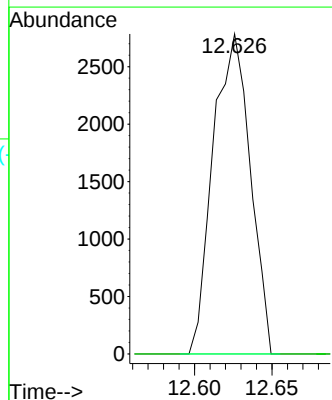
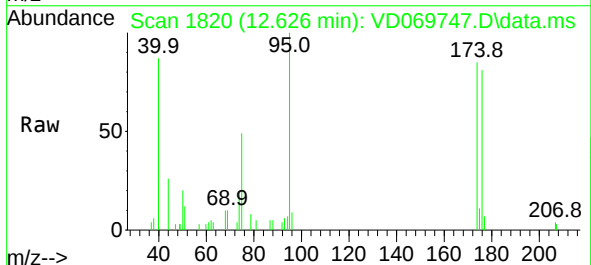
Instrument :
MSVOA_D
ClientSampleId :

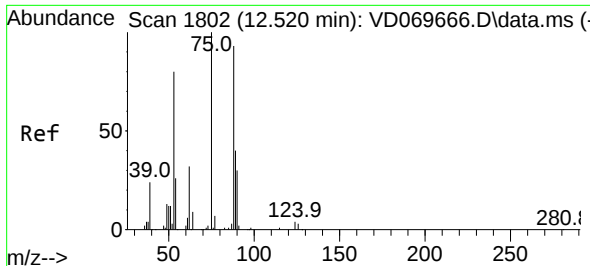
Tgt Ion:152 Resp: 10028
Ion Ratio Lower Upper
152 100
115 61.4 31.7 95.1
150 146.3 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 47.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Tgt Ion: 75 Resp: 4644
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

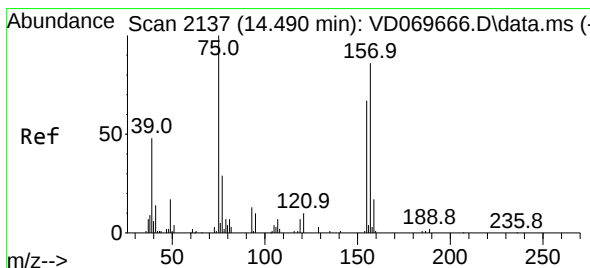
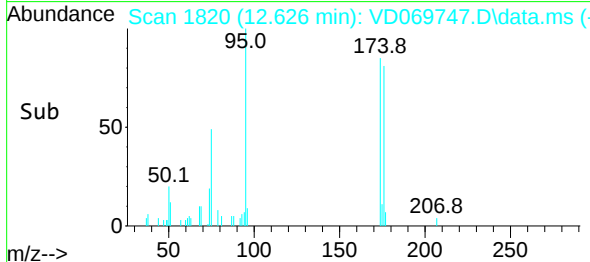
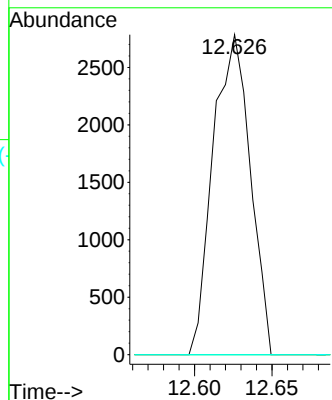
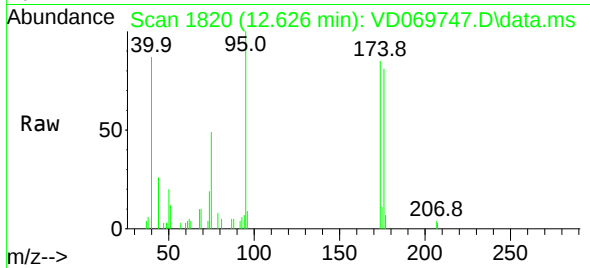




#81
trans-1,4-Dichloro-2-butene
Concen: 128.112 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

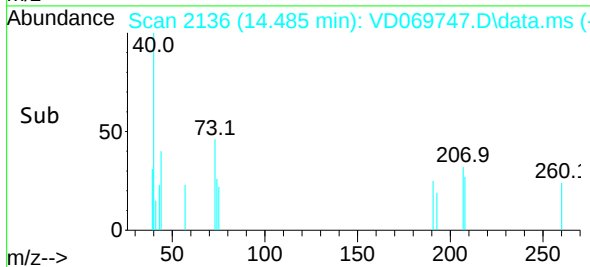
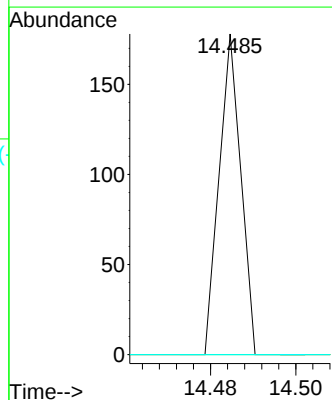
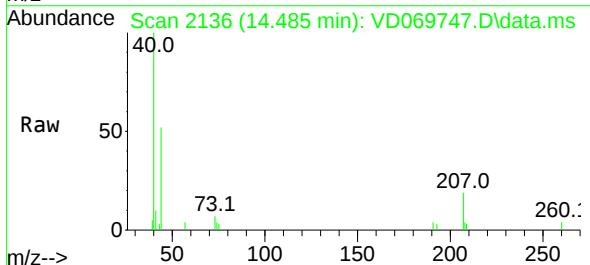
Instrument :
MSVOA_D
ClientSampled :

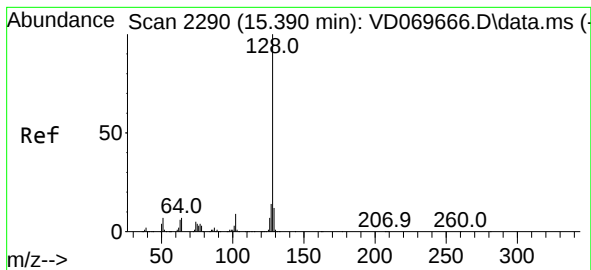
Tgt Ion: 75 Resp: 4644
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.974 ug/l
RT: 14.485 min Scan# 2136
Delta R.T. -0.005 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

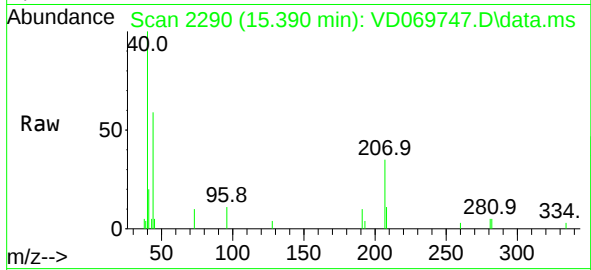
Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#





#95
Naphthalene
Concen: 2.392 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069747.D
Acq: 19 Jul 2021 13:01

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 62
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

