

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069754.D
 Acq On : 19 Jul 2021 16:21
 Operator : VA/SY
 Sample : M3039-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:13:25 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)

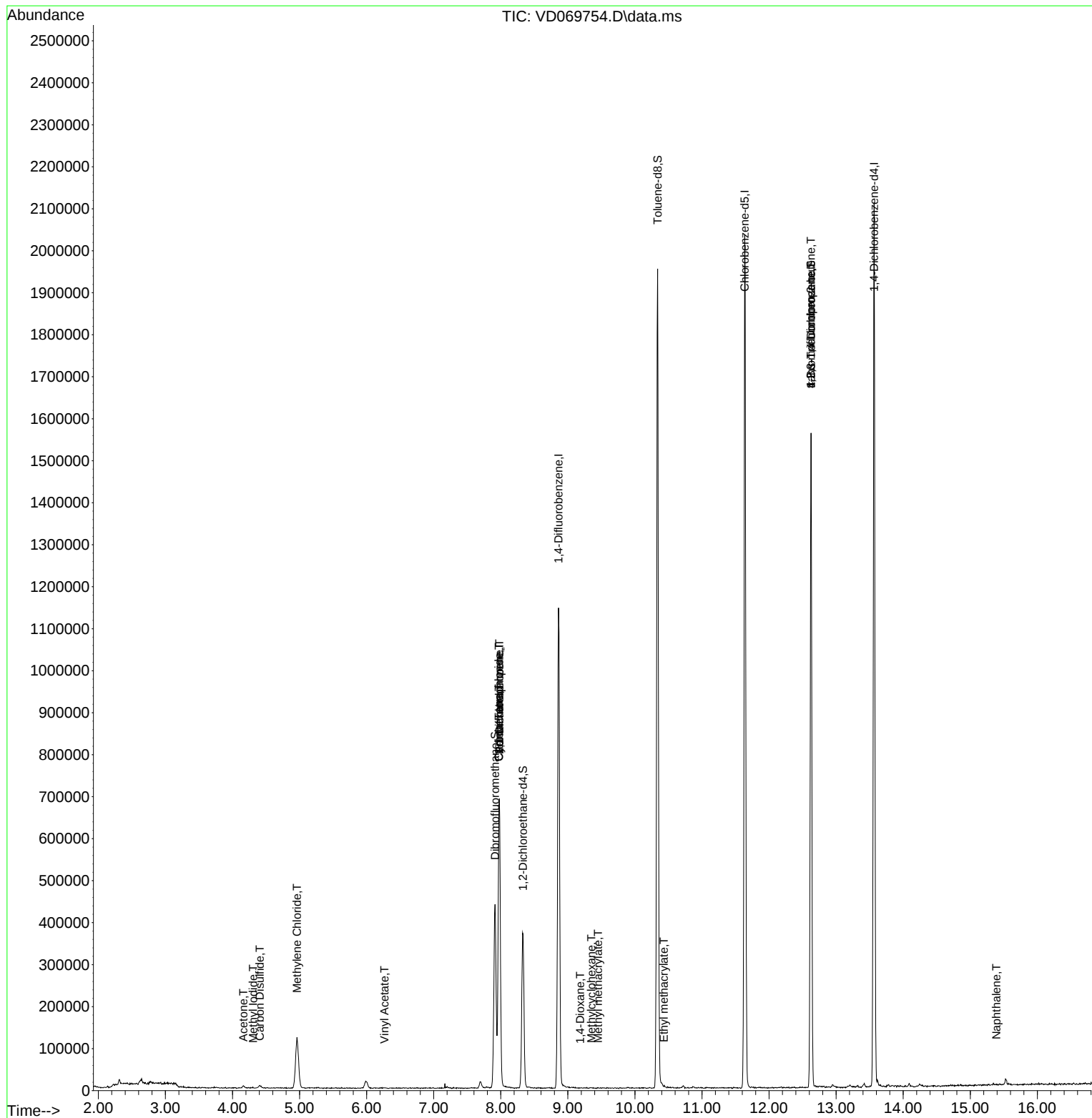
Internal Standards						
1) Pentafluorobenzene	7.979	168	494456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	986979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1161644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	538580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	303861	49.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.440%
35) Dibromofluoromethane	7.914	113	320058	48.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.680%
50) Toluene-d8	10.338	98	1330347	51.716	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.440%
62) 4-Bromofluorobenzene	12.626	95	530765	61.866	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1490	Below Cal		94
5) Bromomethane	2.773	94	2598	Below Cal		89
10) Methyl Iodide	4.309	142	828	2.597	ug/l #	61
16) Acetone	4.162	43	8733	19.200	ug/l	97
17) Carbon Disulfide	4.409	76	11891	1.055	ug/l	95
18) Methyl Acetate	4.691	43	205	Below Cal	#	49
20) Methylene Chloride	4.961	84	95120	6.540	ug/l	95
23) Vinyl Acetate	6.267	43	83	15.433	ug/l #	72
31) Cyclohexane	7.973	56	12314	1.567	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	46308	4.548	ug/l #	49
38) Carbon Tetrachloride	7.973	117	52348	5.614	ug/l #	18
39) Methylcyclohexane	9.349	83	288	1.981	ug/l #	73
48) Methyl methacrylate	9.449	41	240	1.167	ug/l #	48
49) 1,4-Dioxane	9.185	88	59	102.434	ug/l #	20
56) Ethyl methacrylate	10.432	69	123	1.682	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	260850	49.855	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	260850	133.984	ug/l #	14
95) Naphthalene	15.390	128	1080	2.266	ug/l #	78

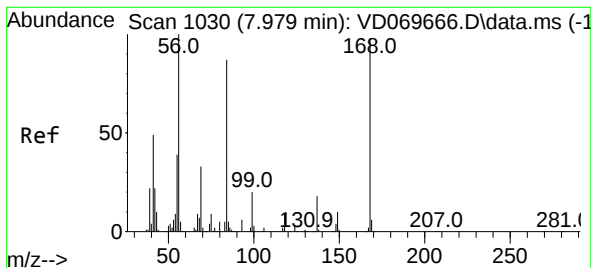
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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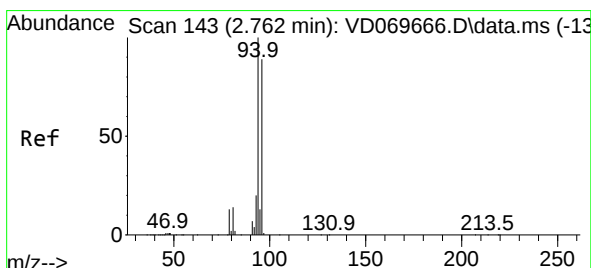
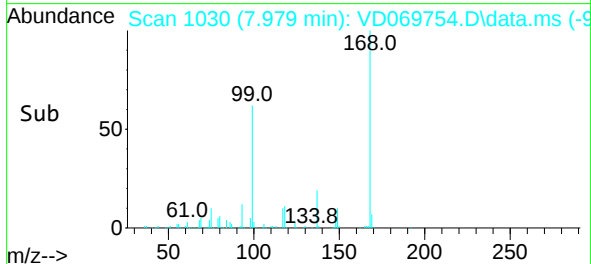
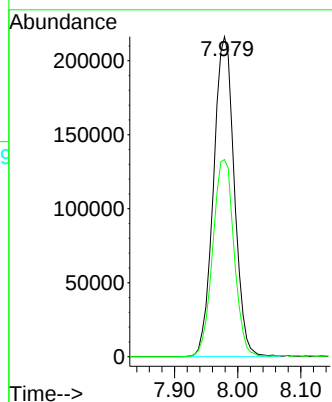
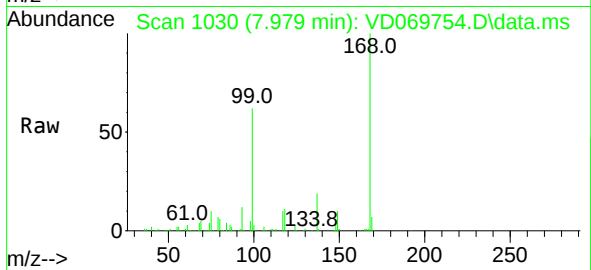




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

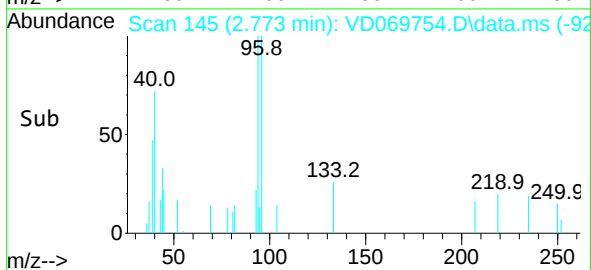
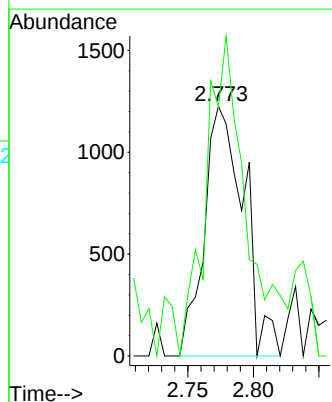
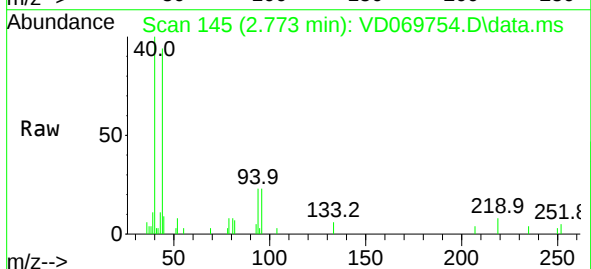
Instrument :
MSVOA_D
ClientSampleId :

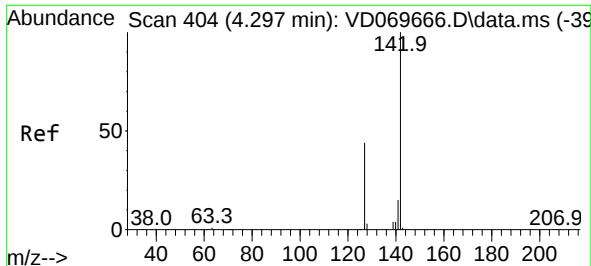
Tgt Ion:168 Resp: 494456
Ion Ratio Lower Upper
168 100
99 61.6 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

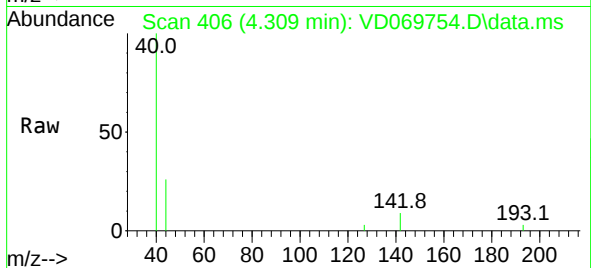
Tgt Ion: 94 Resp: 2598
Ion Ratio Lower Upper
94 100
96 99.7 71.2 106.8



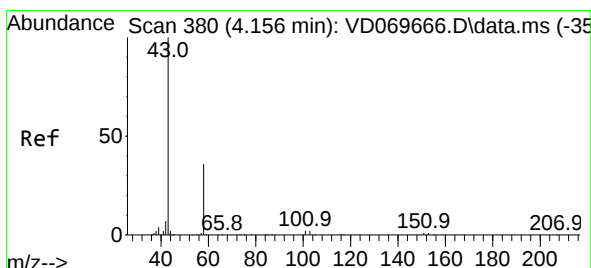
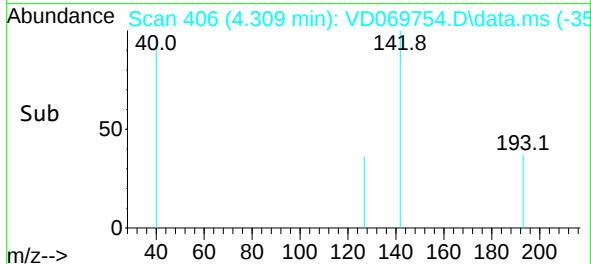
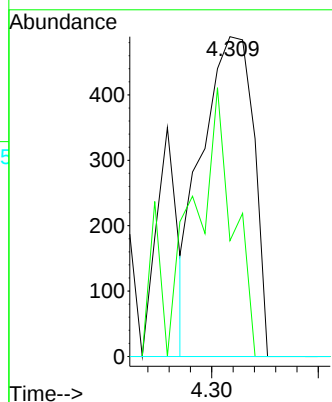


#10
Methyl Iodide
Concen: 2.597 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Instrument :
MSVOA_D
ClientSampled :

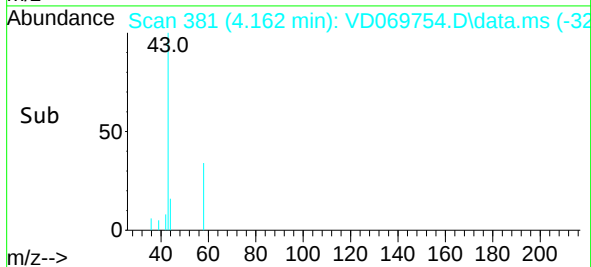
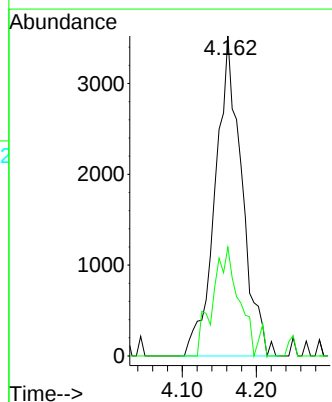
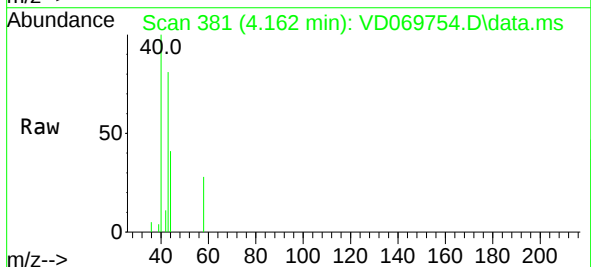


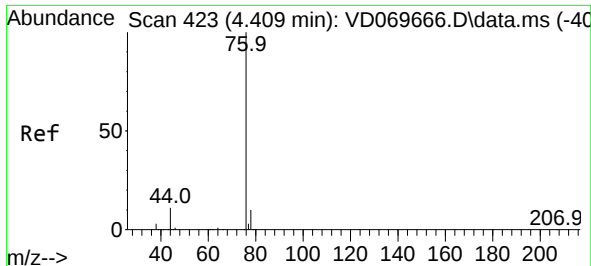
Tgt Ion:142 Resp: 828
Ion Ratio Lower Upper
142 100
127 71.7 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 19.200 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

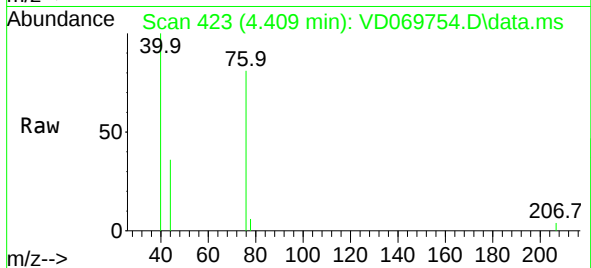
Tgt Ion: 43 Resp: 8733
Ion Ratio Lower Upper
43 100
58 34.0 28.6 42.8



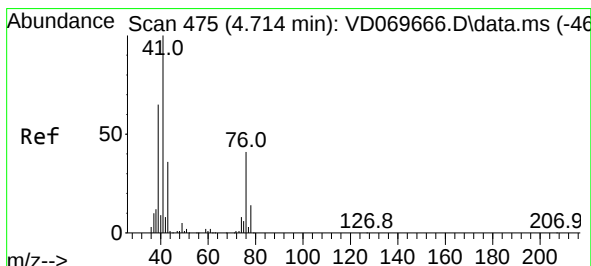
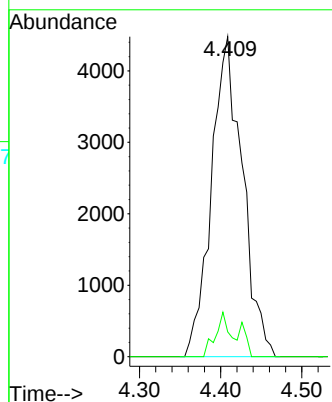
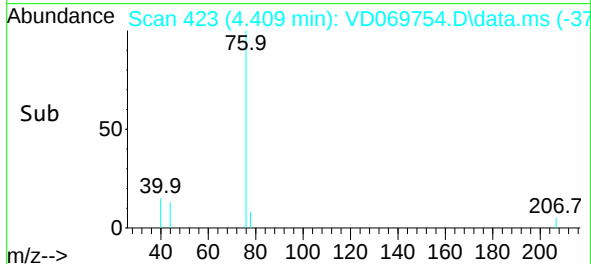


#17
Carbon Disulfide
Concen: 1.055 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

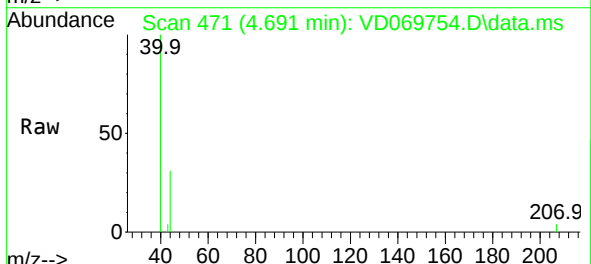
Instrument :
MSVOA_D
ClientSampleId :



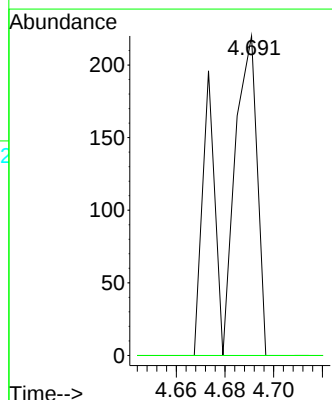
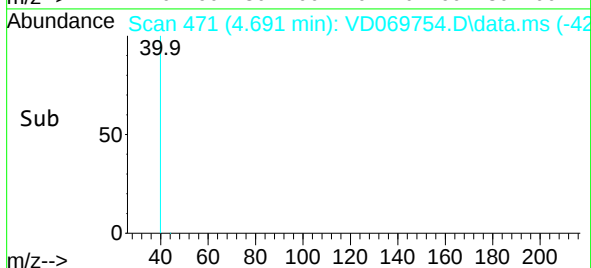
Tgt Ion: 76 Resp: 11891
Ion Ratio Lower Upper
76 100
78 7.8 7.6 11.4

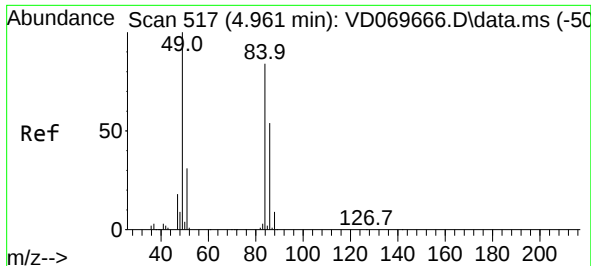


#18
Methyl Acetate
Concen: Below Cal
RT: 4.691 min Scan# 471
Delta R.T. -0.023 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21



Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

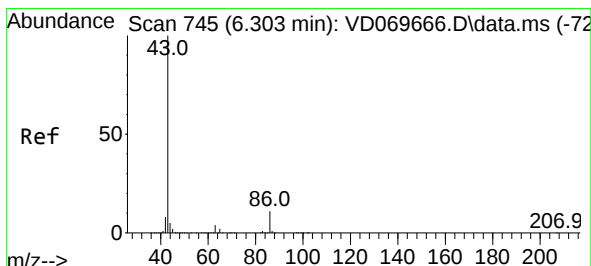
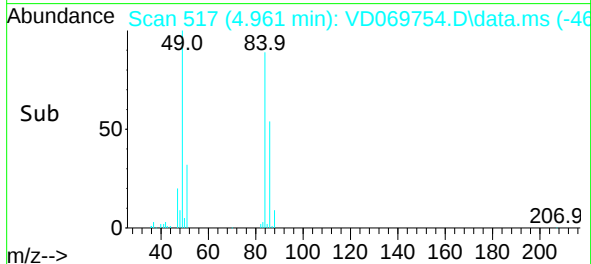
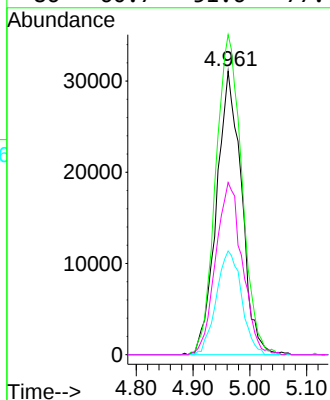
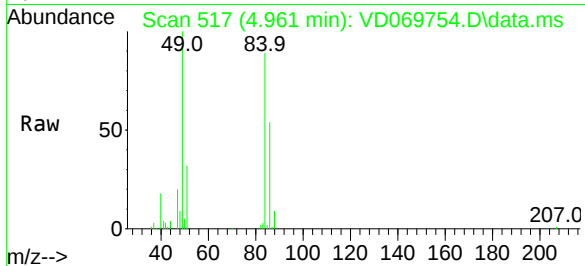




#20
Methylene Chloride
Concen: 6.540 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

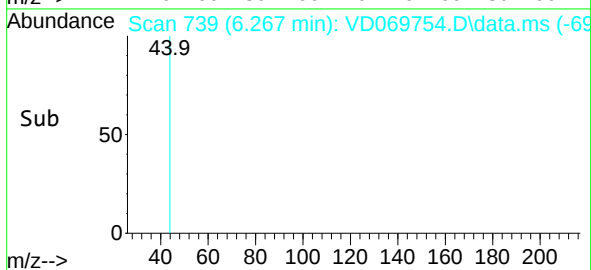
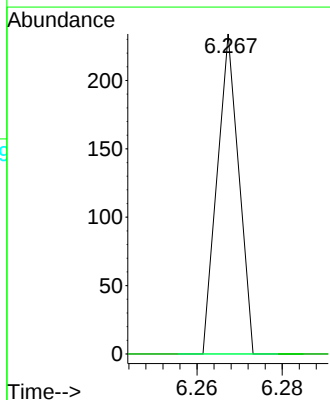
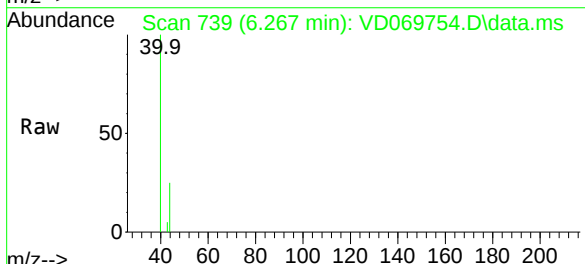
Instrument :
MSVOA_D
ClientSampleId :

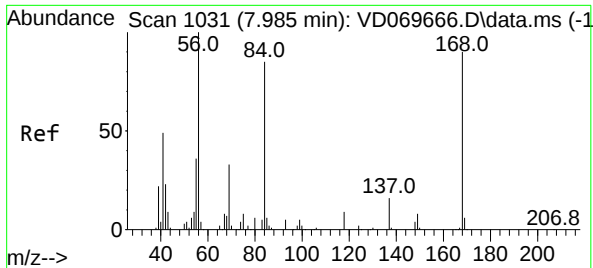
Tgt Ion:	84	Resp:	95120
Ion	Ratio	Lower	Upper
84	100		
49	112.9	95.5	143.3
51	36.6	29.7	44.5
86	60.7	51.6	77.4



#23
Vinyl Acetate
Concen: 15.433 ug/l
RT: 6.267 min Scan# 739
Delta R.T. -0.036 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion:	43	Resp:	83
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

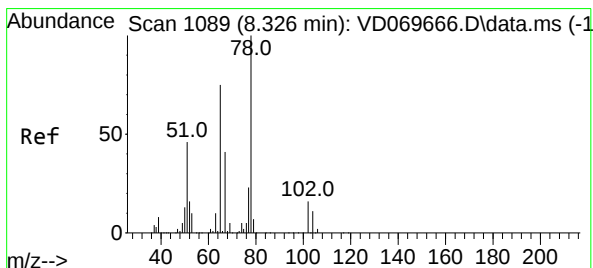
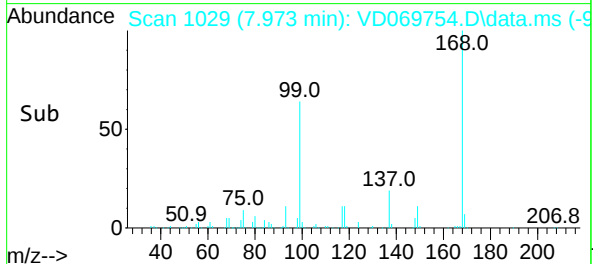
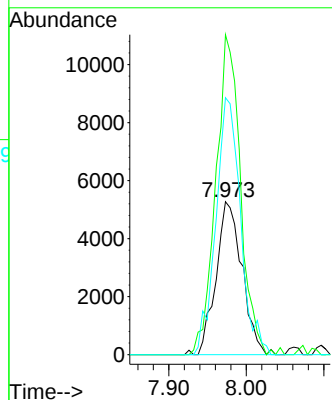
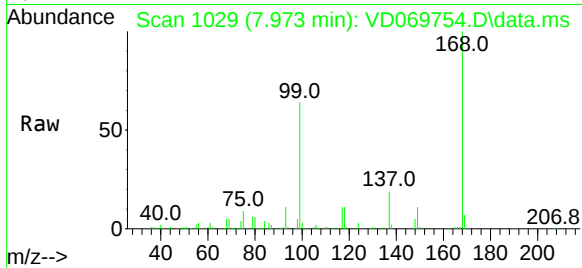




#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

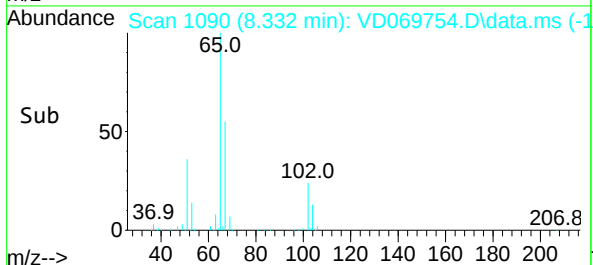
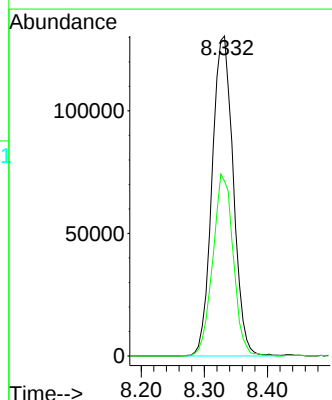
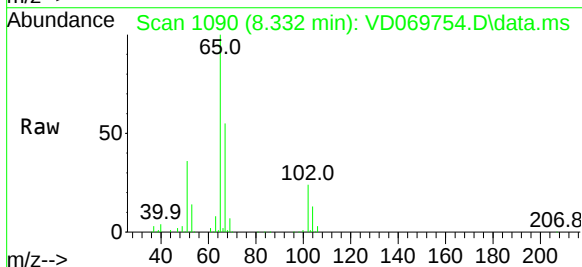
Instrument :
MSVOA_D
ClientSampled :

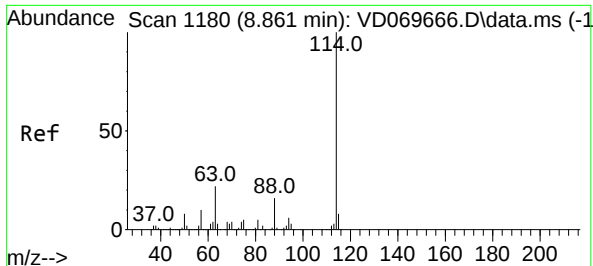
Tgt Ion: 56 Resp: 12314
Ion Ratio Lower Upper
56 100
69 209.3 26.6 39.8#
84 168.0 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 49.217 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion: 65 Resp: 303861
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2



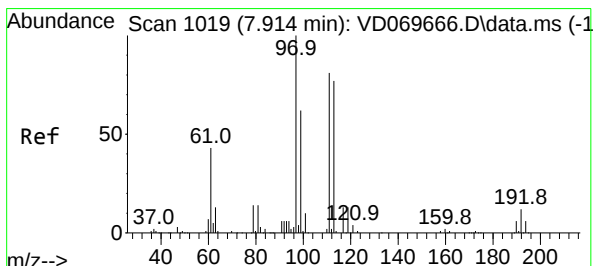
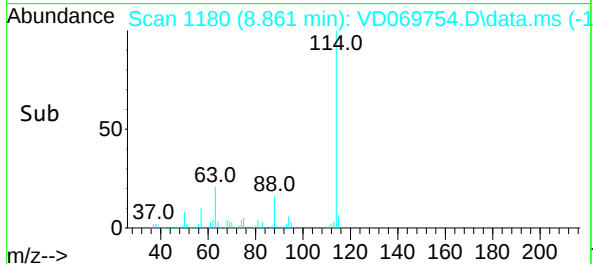
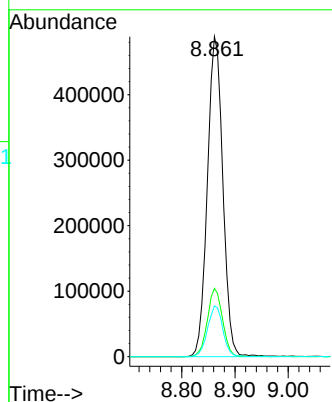
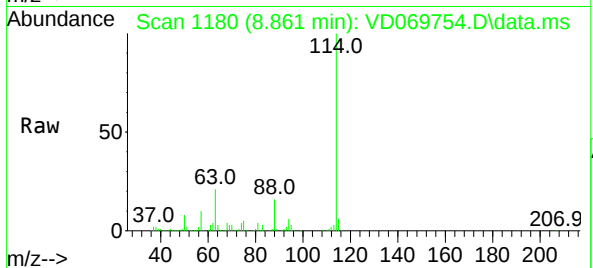


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Instrument :
MSVOA_D
ClientSampled :

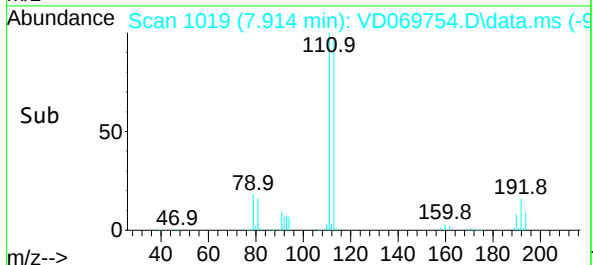
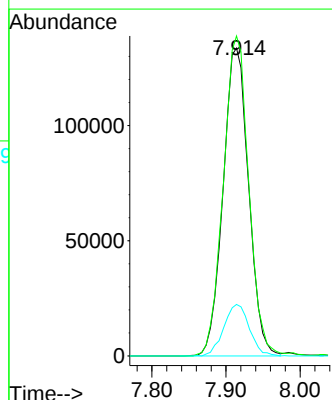
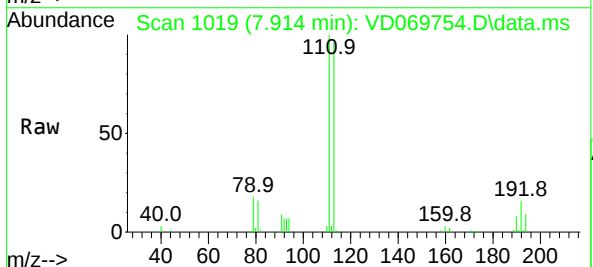
Tgt Ion:114 Resp: 986979
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.4
88 15.9 0.0 32.0

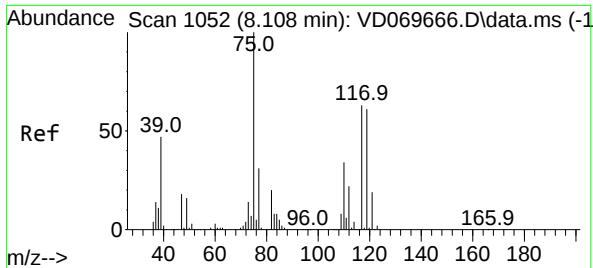


#35

Dibromofluoromethane
Concen: 48.336 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion:113 Resp: 320058
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 16.8 12.7 19.1

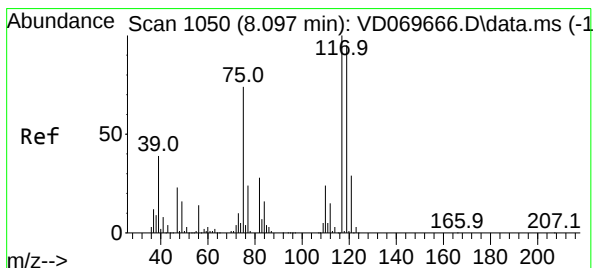
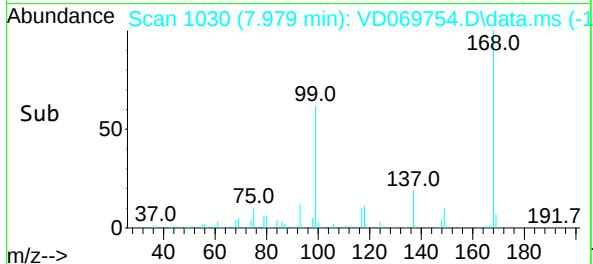
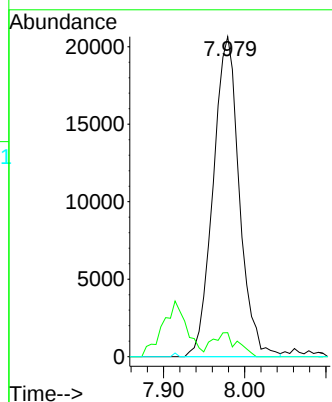
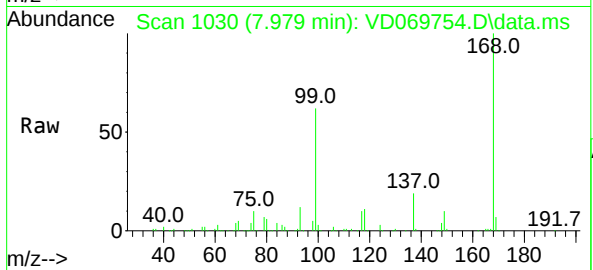




#36
1,1-Dichloropropene
Concen: 4.548 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

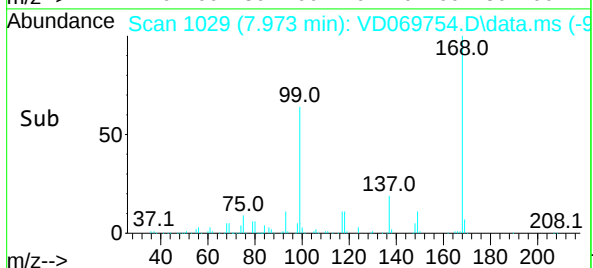
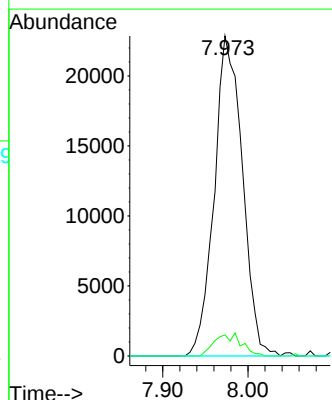
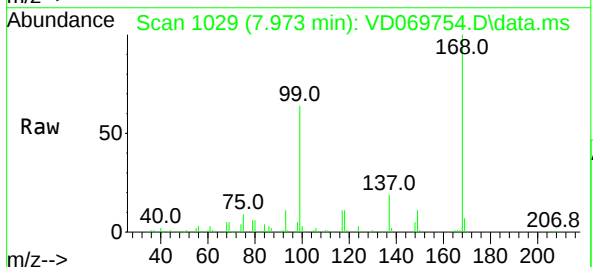
Instrument :
MSVOA_D
ClientSampled :

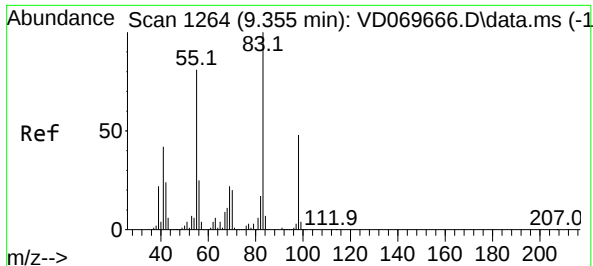
Tgt Ion: 75 Resp: 46308
Ion Ratio Lower Upper
75 100
110 7.1 16.7 50.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.614 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion: 117 Resp: 52348
Ion Ratio Lower Upper
117 100
119 6.6 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.981 ug/l

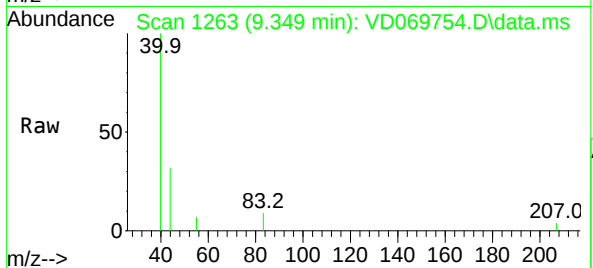
RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

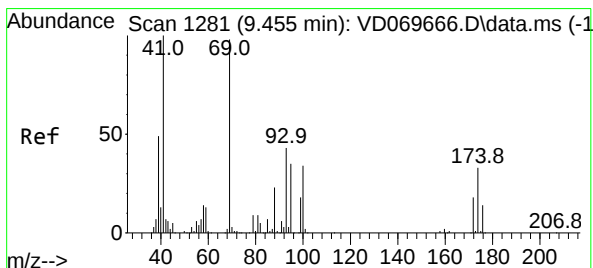
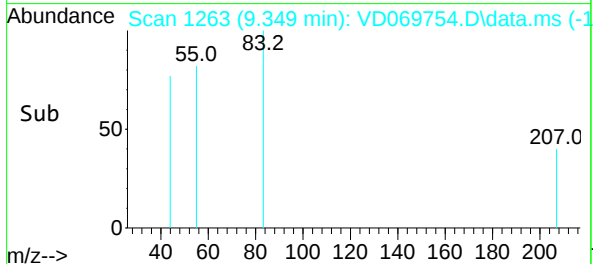
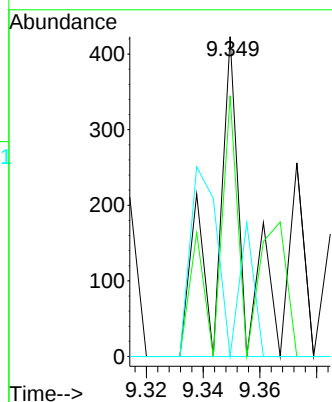
Lab File: VD069754.D

Acq: 19 Jul 2021 16:21

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 83	Resp: 288
Ion Ratio	Lower Upper
83	100
55	81.6 64.6 97.0
98	0.0 38.4 57.6#



#48

Methyl methacrylate

Concen: 1.167 ug/l

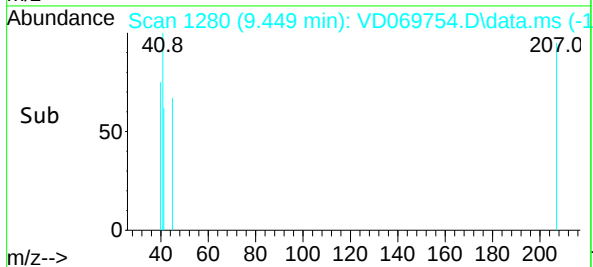
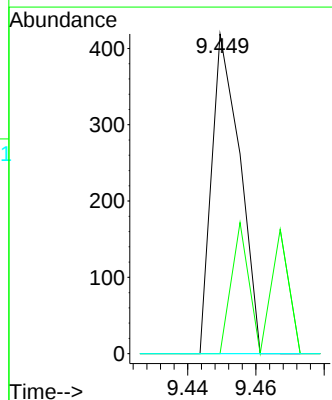
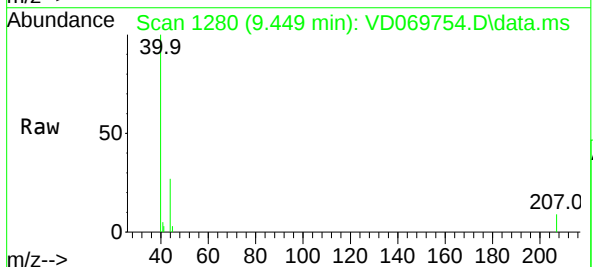
RT: 9.449 min Scan# 1280

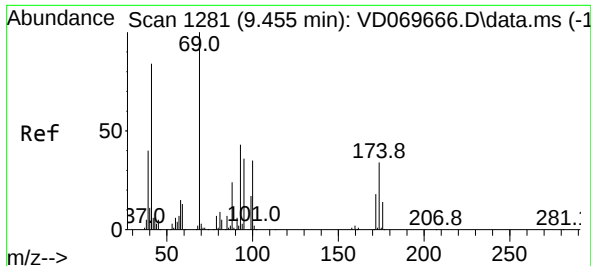
Delta R.T. -0.006 min

Lab File: VD069754.D

Acq: 19 Jul 2021 16:21

Tgt Ion: 41	Resp: 240
Ion Ratio	Lower Upper
41	100
69	49.2 71.6 107.4#
39	0.0 36.7 55.1#

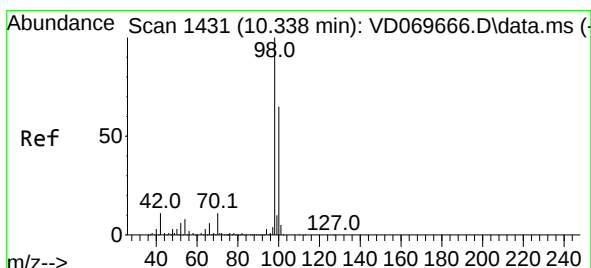
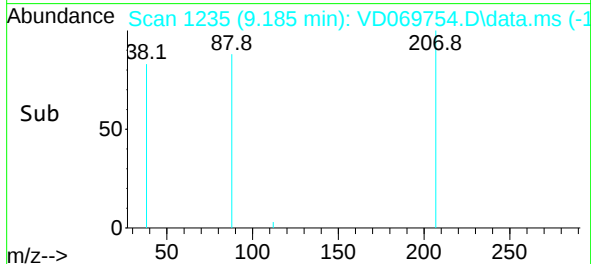
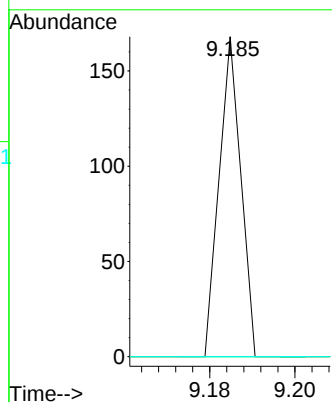
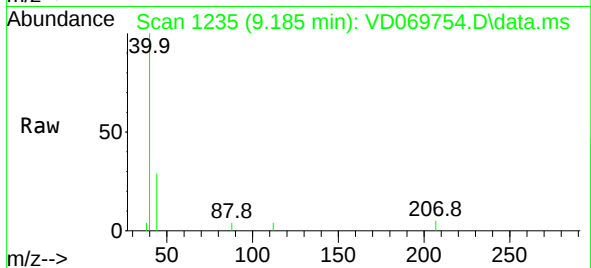




#49
1,4-Dioxane
Concen: 102.434 ug/l
RT: 9.185 min Scan# 1235
Delta R.T. -0.270 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

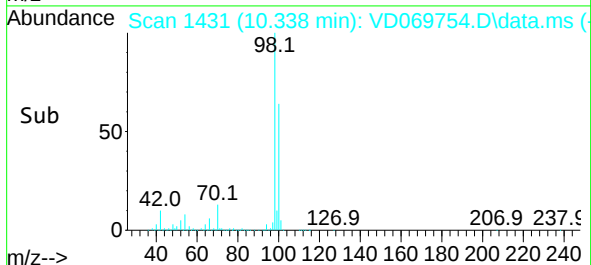
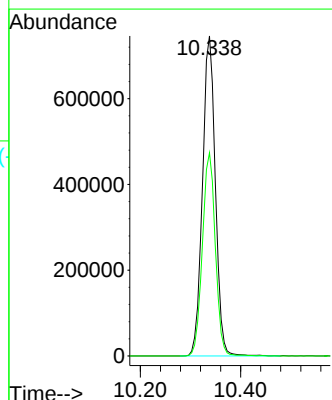
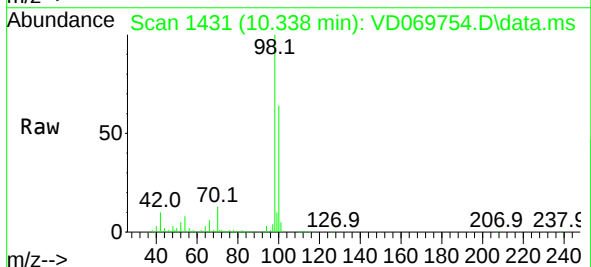
Instrument :
MSVOA_D
ClientSampleId :

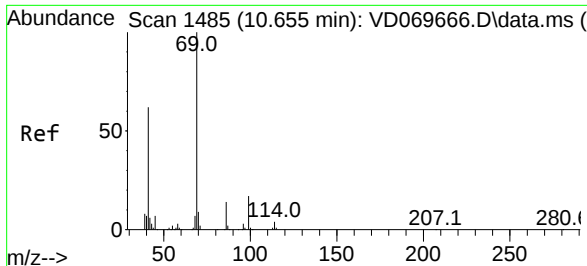
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 62.6 94.0#



#50
Toluene-d8
Concen: 51.716 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion: 98 Resp: 1330347
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

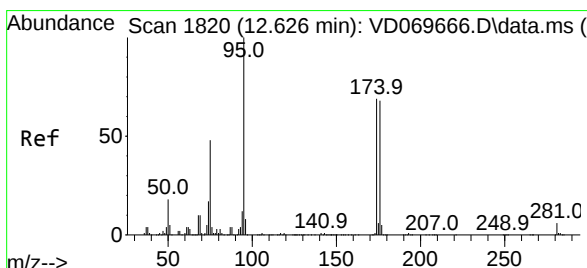
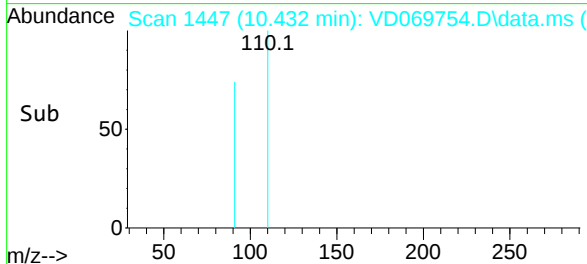
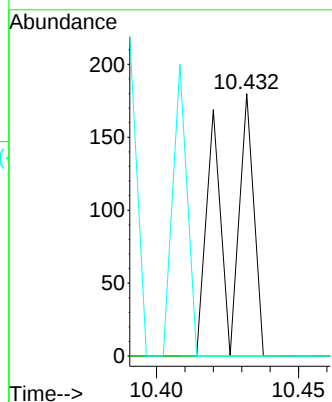
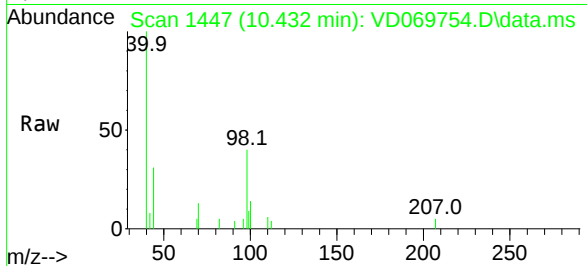




#56
Ethyl methacrylate
Concen: 1.682 ug/l
RT: 10.432 min Scan# 1447
Delta R.T. -0.223 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

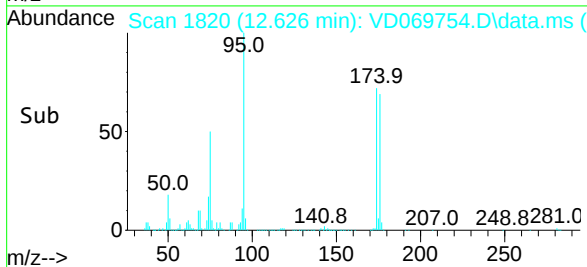
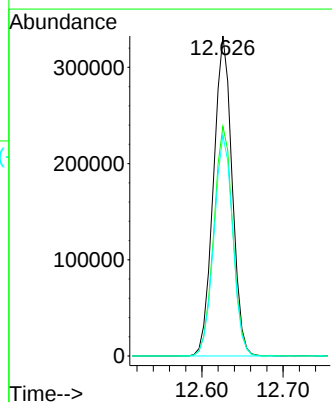
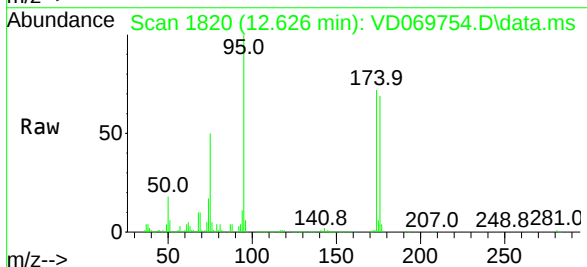
Instrument :
MSVOA_D
ClientSampled :

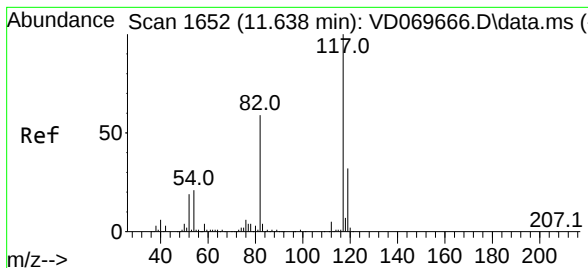
Tgt Ion: 69 Resp: 123
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 61.866 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion: 95 Resp: 530765
Ion Ratio Lower Upper
95 100
174 73.0 0.0 140.0
176 69.6 0.0 136.2

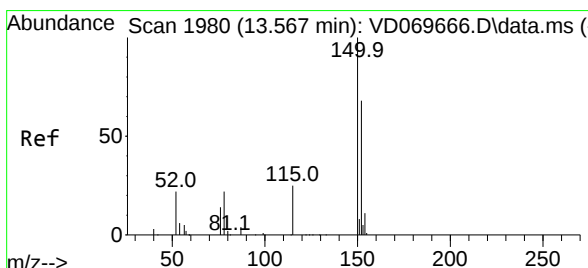
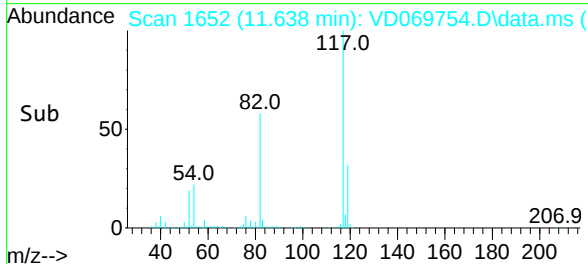
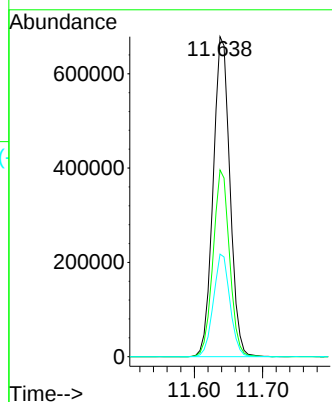
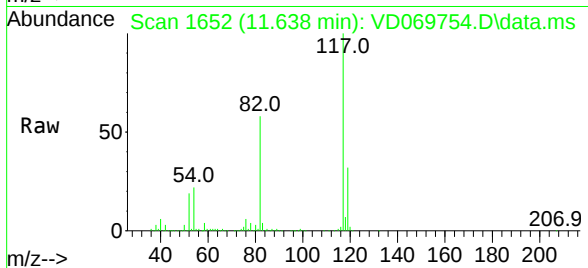




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

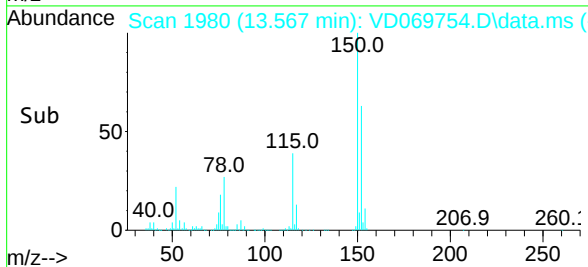
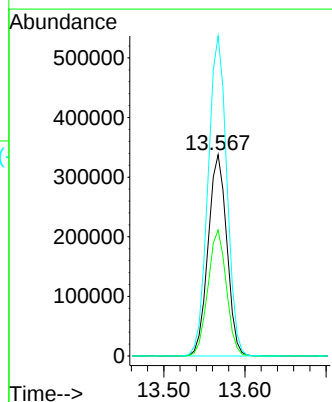
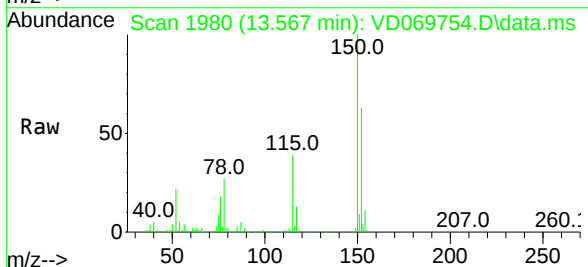
Instrument :
MSVOA_D
ClientSampleId :

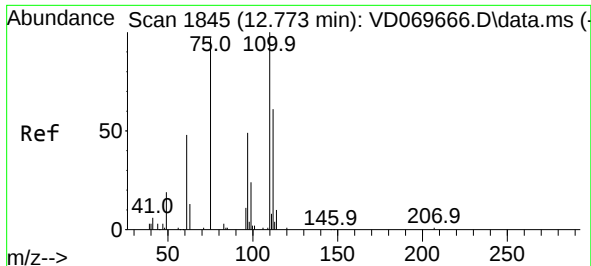
Tgt Ion:117 Resp: 1161644
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion:152 Resp: 538580
Ion Ratio Lower Upper
152 100
115 61.5 31.7 95.1
150 159.8 0.0 350.4

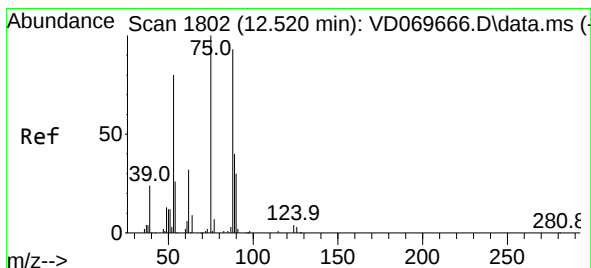
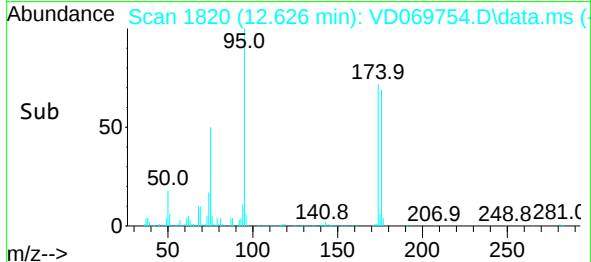
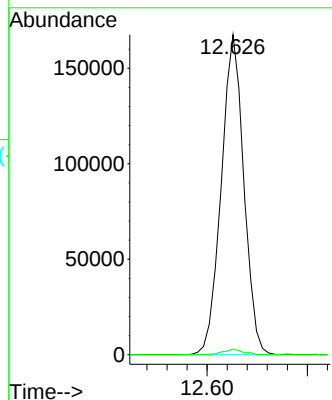
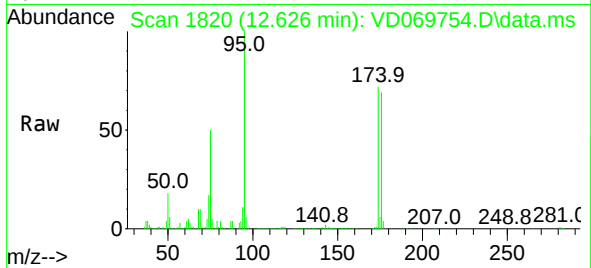




#76
1,2,3-Trichloropropane
Concen: 49.855 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

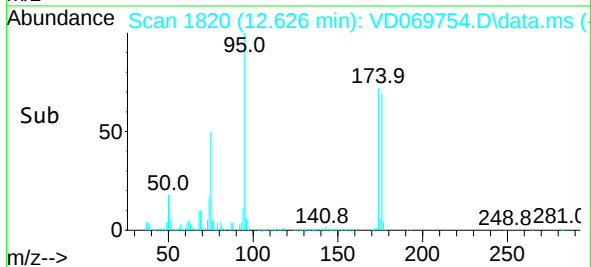
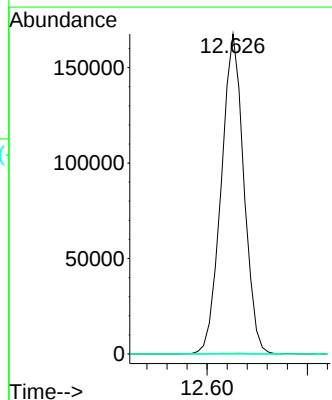
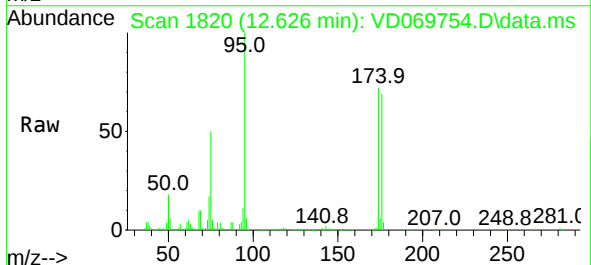
Instrument :
MSVOA_D
ClientSampleId :

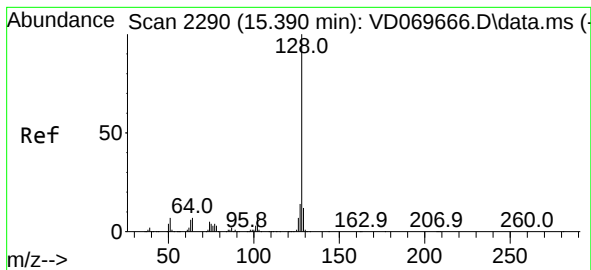
Tgt Ion: 75 Resp: 260850
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.984 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Tgt Ion: 75 Resp: 260850
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.266 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069754.D
Acq: 19 Jul 2021 16:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:128 Resp: 1080
Ion Ratio Lower Upper
128 100
127 6.7 10.6 16.0#
129 0.0 8.8 13.2#

