

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069757.D
 Acq On : 19 Jul 2021 17:47
 Operator : VA/SY
 Sample : M3039-07
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:14:18 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)

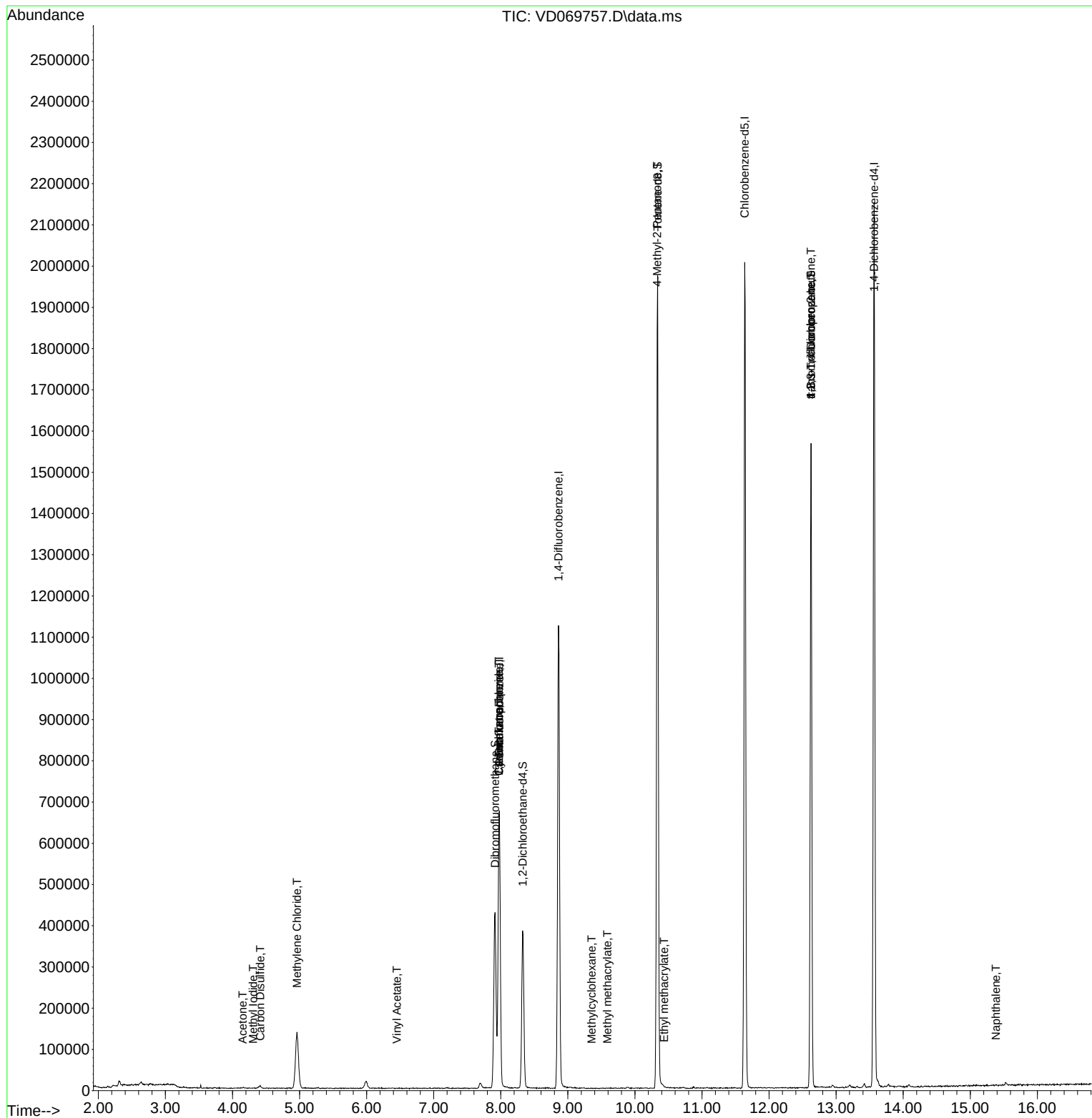
Internal Standards						
1) Pentafluorobenzene	7.979	168	481661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	967265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1150790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	550511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	300058	49.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.780%
35) Dibromofluoromethane	7.914	113	316089	48.710	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.337	98	1321686	52.426	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.860%
62) 4-Bromofluorobenzene	12.626	95	535619	63.704	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	127.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.208	50	1113	Below Cal	#	88
5) Bromomethane	2.767	94	2348	Below Cal	#	63
10) Methyl Iodide	4.308	142	949	2.619	ug/l #	47
16) Acetone	4.149	43	3065	15.326	ug/l #	39
17) Carbon Disulfide	4.414	76	11191	1.034	ug/l #	90
18) Methyl Acetate	4.938	43	488	Below Cal	#	49
20) Methylene Chloride	4.961	84	106420	8.256	ug/l	96
23) Vinyl Acetate	6.449	43	115	15.436	ug/l #	72
31) Cyclohexane	7.973	56	12435	1.610	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	43030	4.312	ug/l #	50
38) Carbon Tetrachloride	7.973	117	52002	5.691	ug/l #	16
39) Methylcyclohexane	9.355	83	57	1.963	ug/l #	16
48) Methyl methacrylate	9.590	41	91	1.127	ug/l #	13
51) 4-Methyl-2-Pentanone	10.332	43	5899	1.648	ug/l #	1
56) Ethyl methacrylate	10.437	69	62	1.674	ug/l #	35
76) 1,2,3-Trichloropropane	12.626	75	264535	49.464	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	264535	132.932	ug/l #	14
95) Naphthalene	15.384	128	209	2.216	ug/l #	69

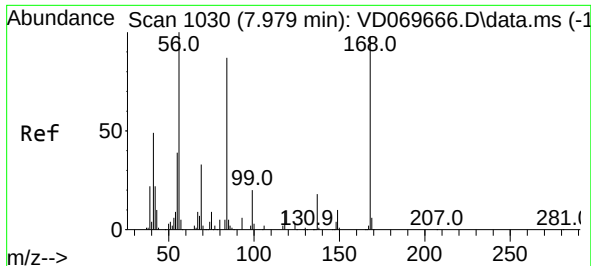
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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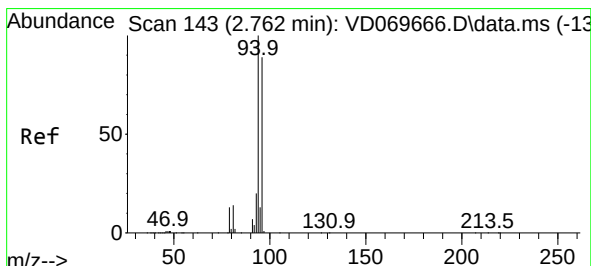
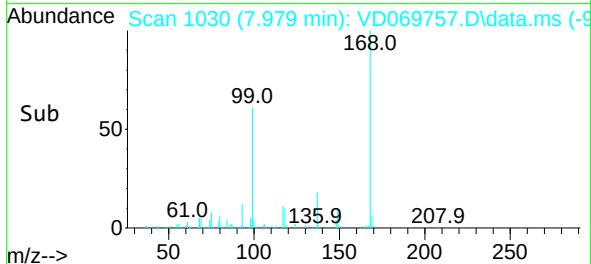
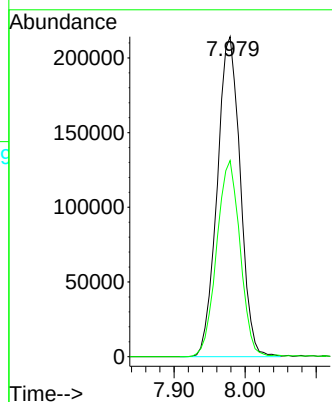
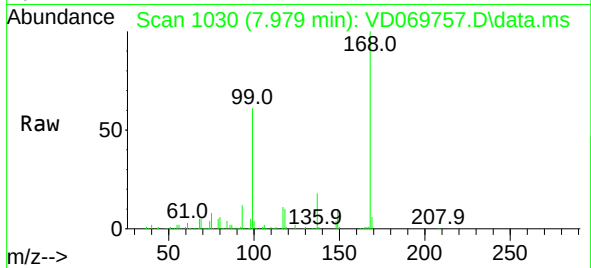




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

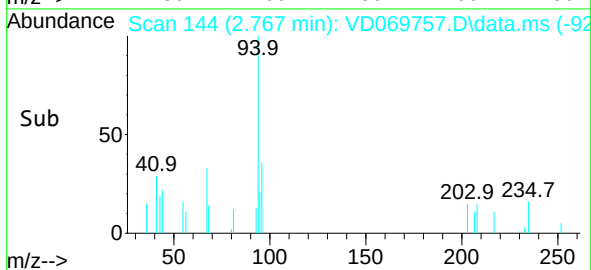
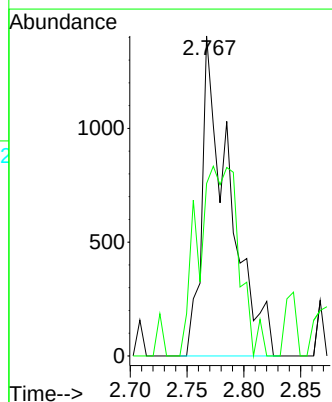
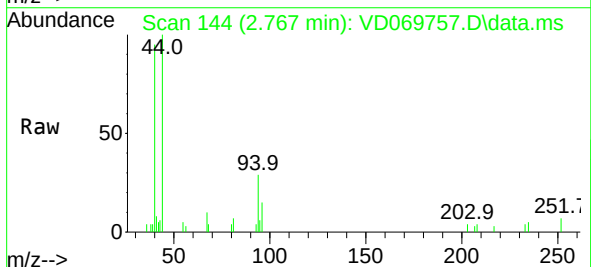
Instrument :
MSVOA_D
ClientSampled :

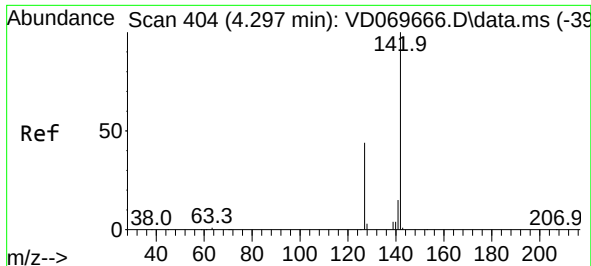
Tgt Ion:168 Resp: 481661
Ion Ratio Lower Upper
168 100
99 61.3 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

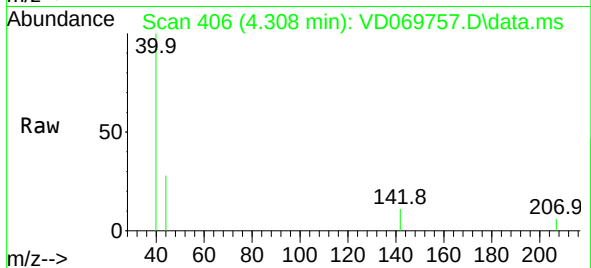
Tgt Ion: 94 Resp: 2348
Ion Ratio Lower Upper
94 100
96 53.9 71.2 106.8#



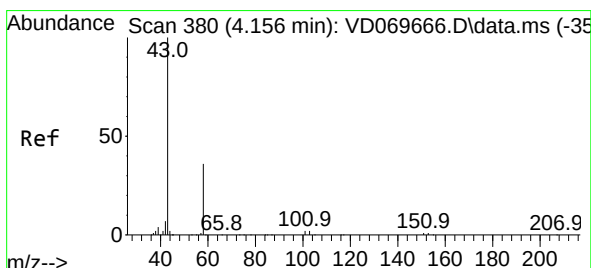
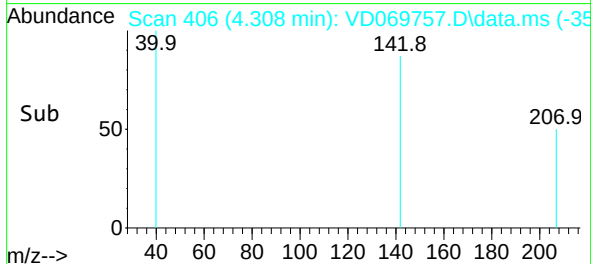
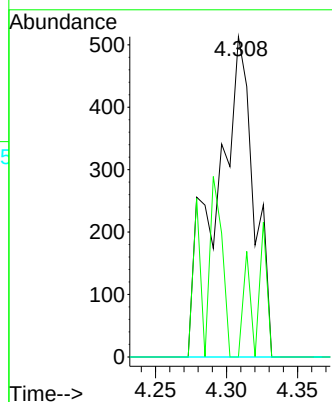


#10
Methyl Iodide
Concen: 2.619 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Instrument :
MSVOA_D
ClientSampled :

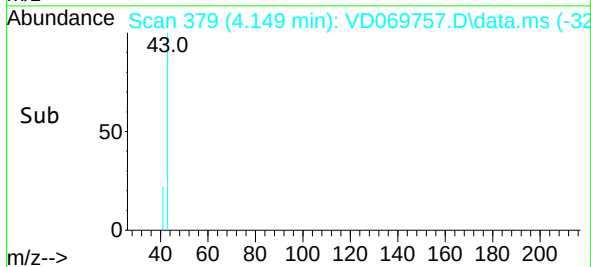
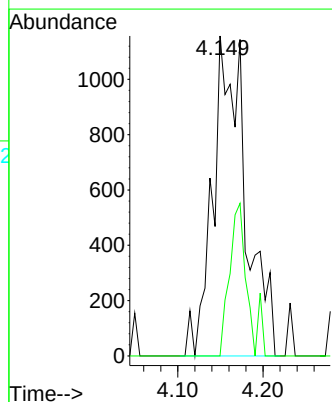
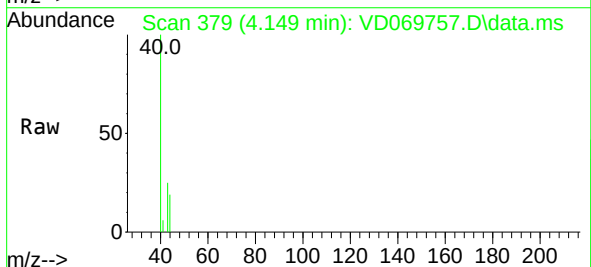


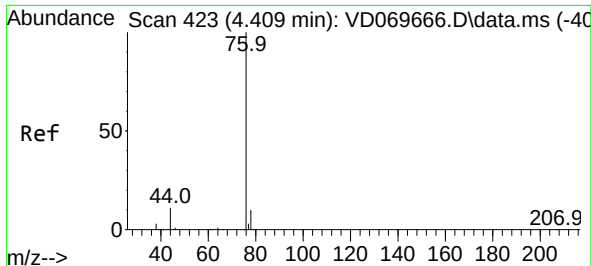
Tgt Ion:142 Resp: 949
Ion Ratio Lower Upper
142 100
127 6.3 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 15.326 ug/l
RT: 4.149 min Scan# 379
Delta R.T. -0.007 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#

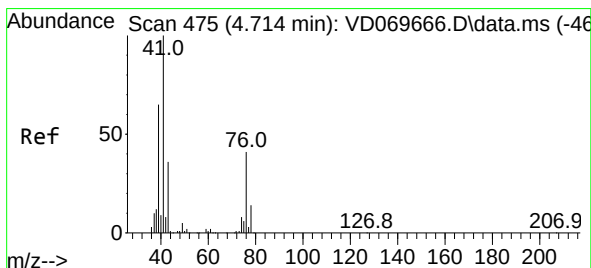
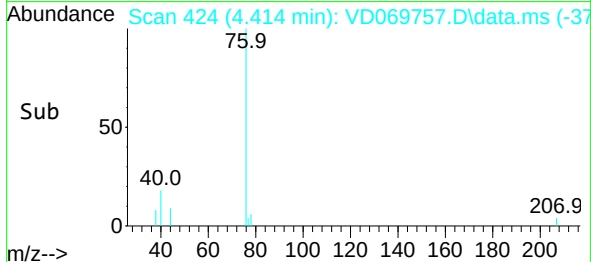
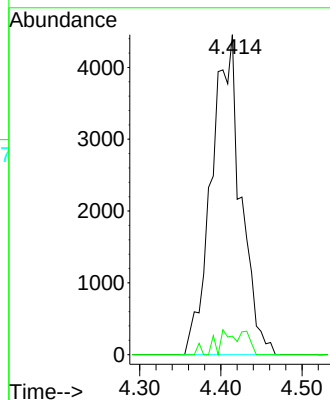
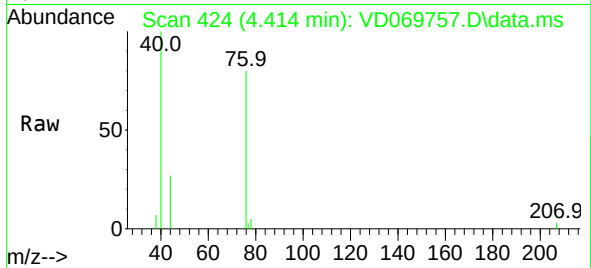




#17
Carbon Disulfide
Concen: 1.034 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

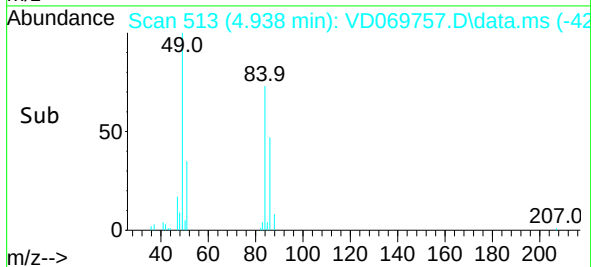
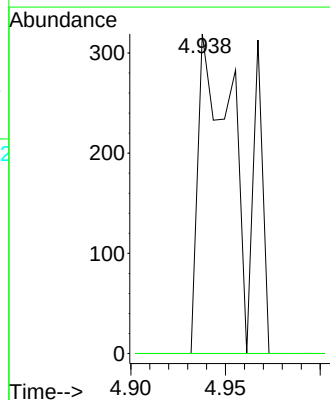
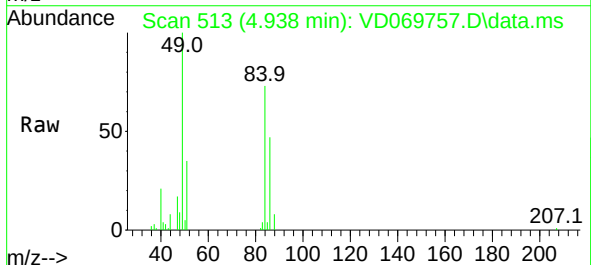
Instrument :
MSVOA_D
ClientSampled :

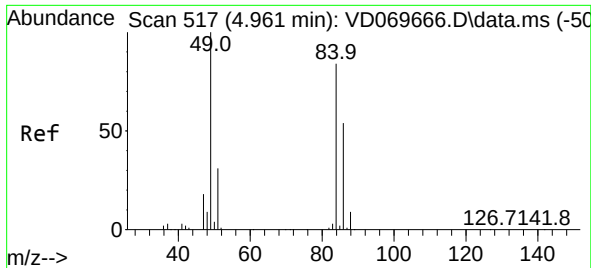
Tgt Ion: 76 Resp: 11191
Ion Ratio Lower Upper
76 100
78 5.8 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.938 min Scan# 513
Delta R.T. 0.224 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

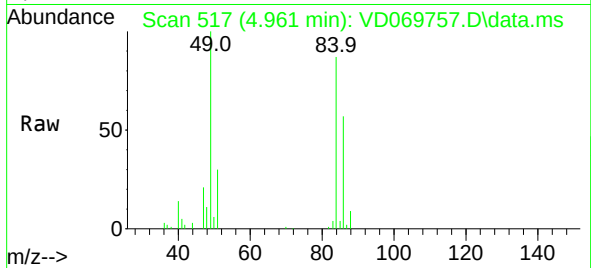
Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



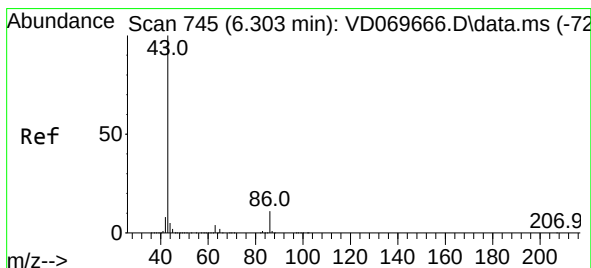
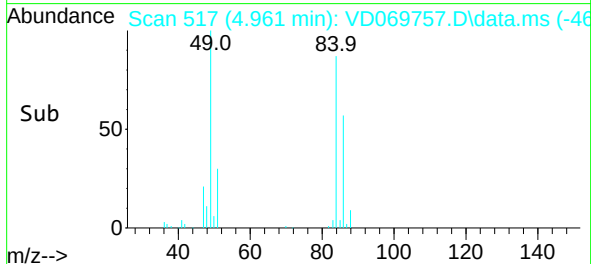
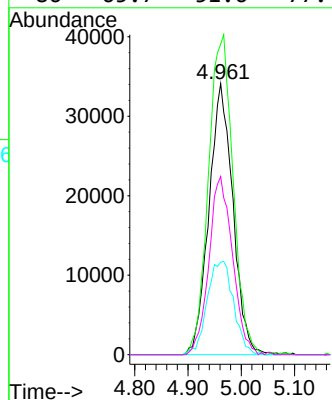


#20
Methylene Chloride
Concen: 8.256 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :

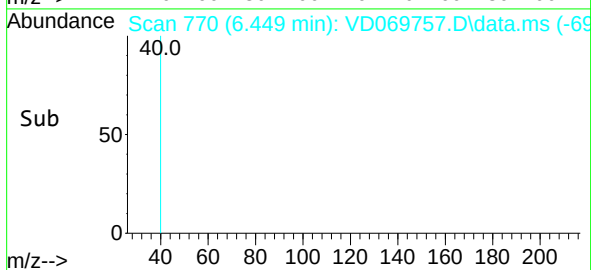
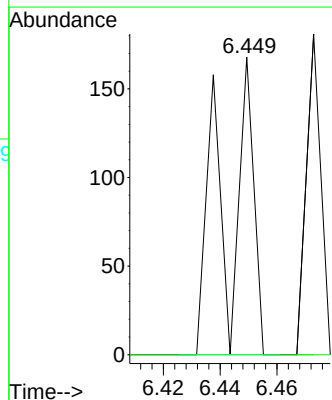
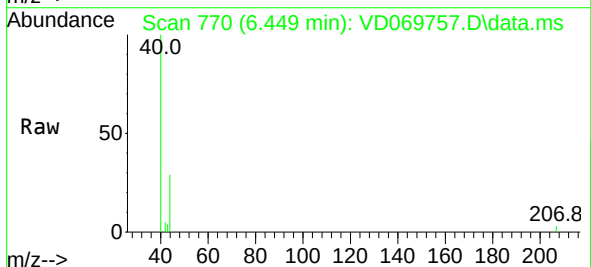


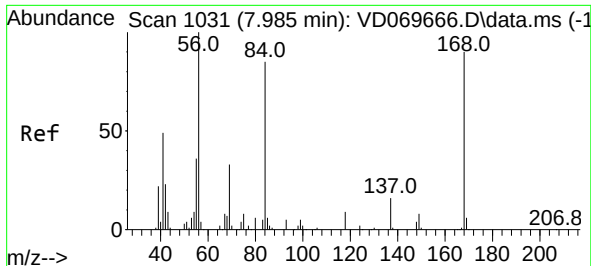
Tgt Ion: 84	Resp: 106420
Ion Ratio	Lower Upper
84 100	
49 114.6	95.5 143.3
51 34.1	29.7 44.5
86 65.7	51.6 77.4



#23
Vinyl Acetate
Concen: 15.436 ug/l
RT: 6.449 min Scan# 770
Delta R.T. 0.146 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

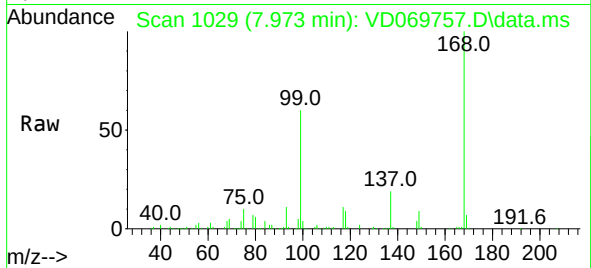
Tgt Ion: 43	Resp: 115		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.6	12.8#	



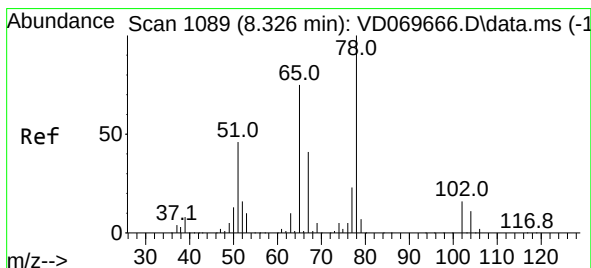
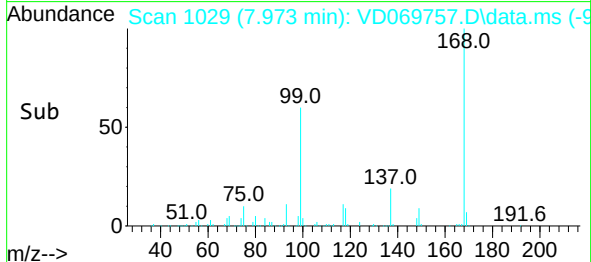
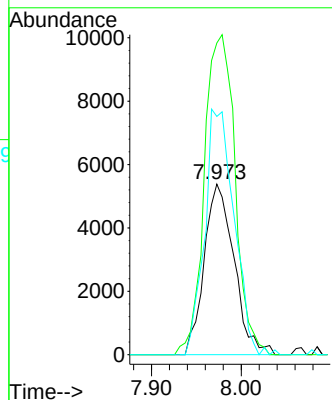


#31
Cyclohexane
Concen: 1.610 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Instrument :
MSVOA_D
ClientSampled :

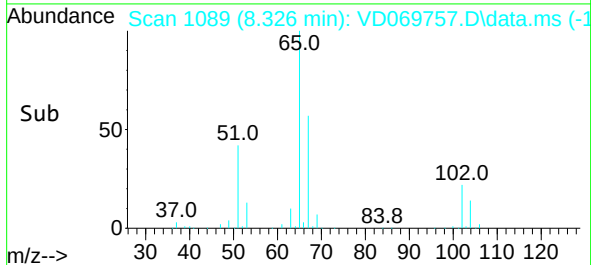
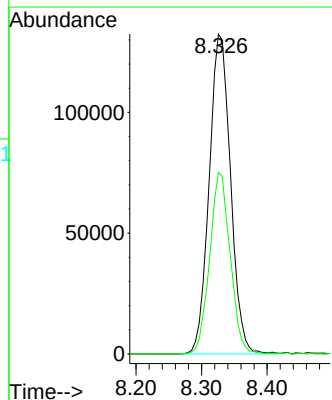
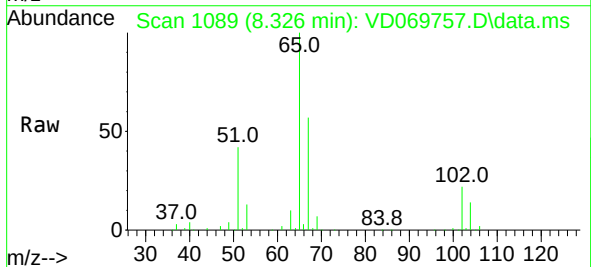


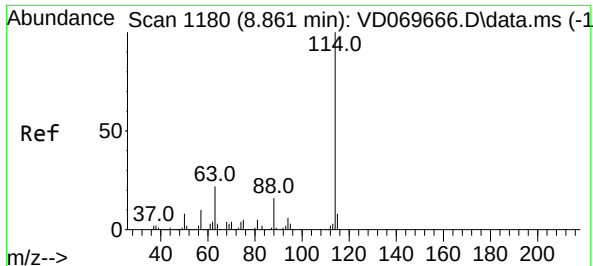
Tgt Ion: 56 Resp: 12435
Ion Ratio Lower Upper
56 100
69 182.8 26.6 39.8#
84 139.7 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 49.892 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Tgt Ion: 65 Resp: 300058
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.2

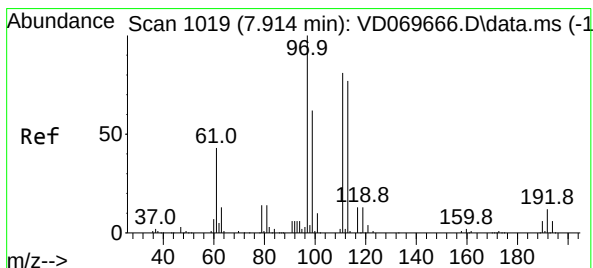
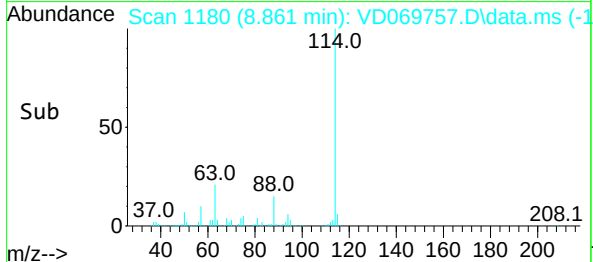
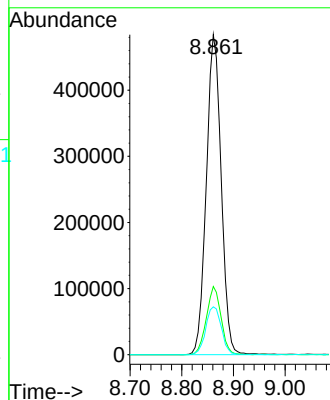
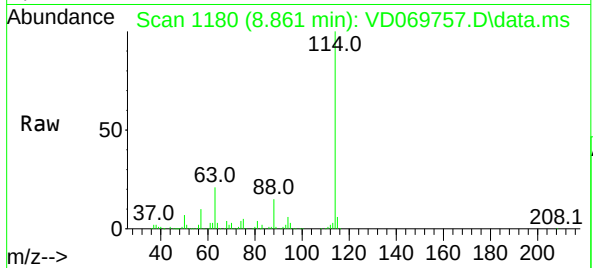




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

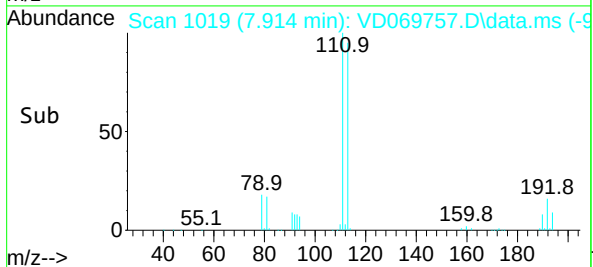
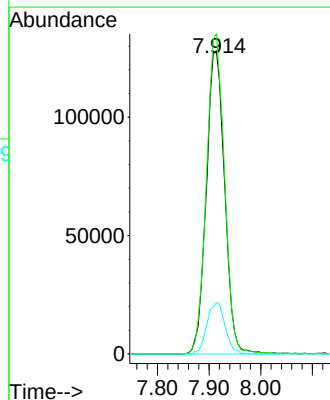
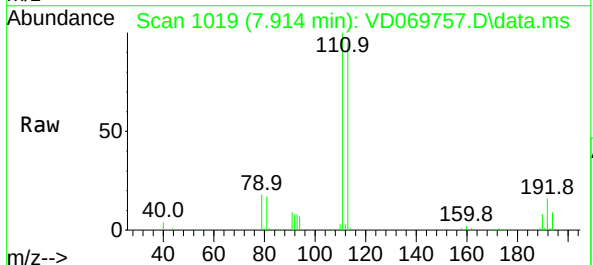
Instrument :
MSVOA_D
ClientSampleId :

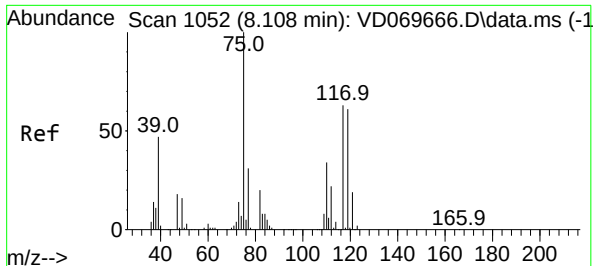
Tgt Ion:114 Resp: 967265
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.4
88 14.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 48.710 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Tgt Ion:113 Resp: 316089
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.7 12.7 19.1



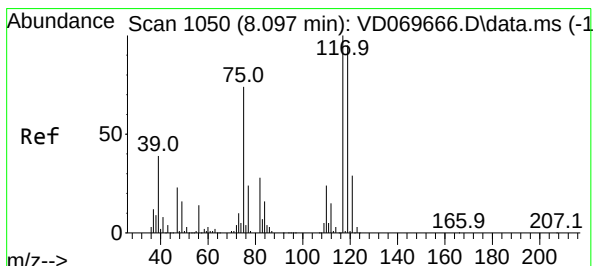
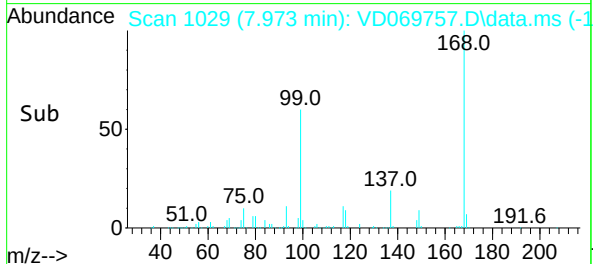
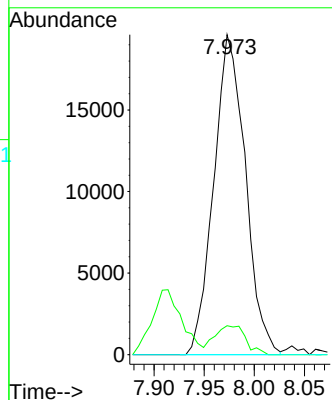
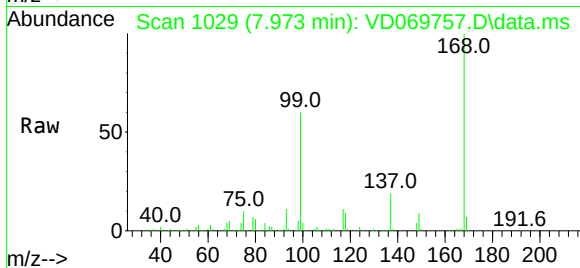


#36

1,1-Dichloropropene
Concen: 4.312 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :

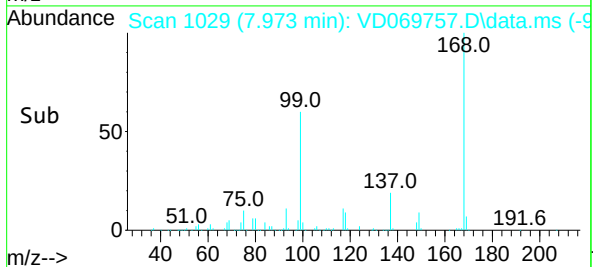
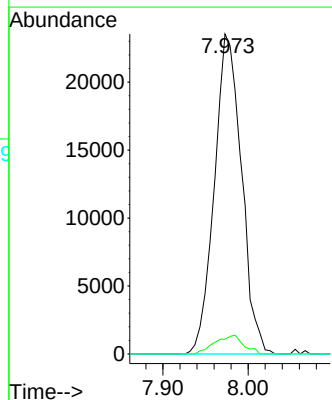
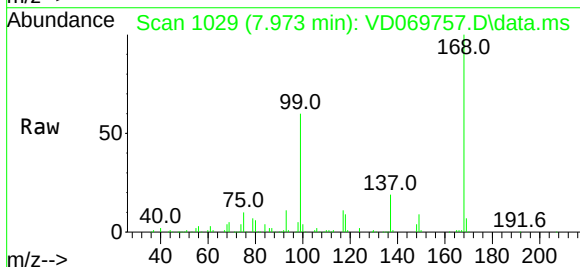
Tgt Ion: 75 Resp: 43030
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.0#
77 0.0 25.3 37.9#

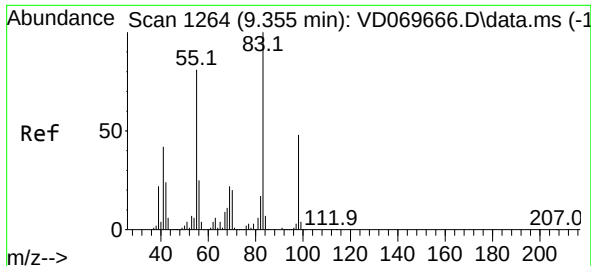


#38

Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Tgt Ion: 117 Resp: 52002
Ion Ratio Lower Upper
117 100
119 4.6 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.963 ug/l

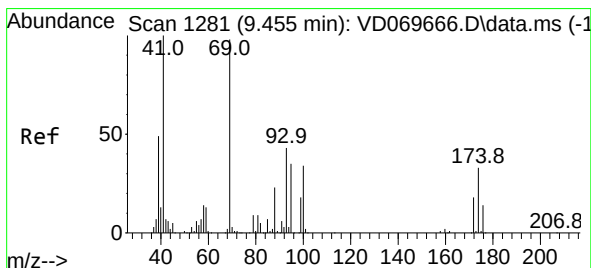
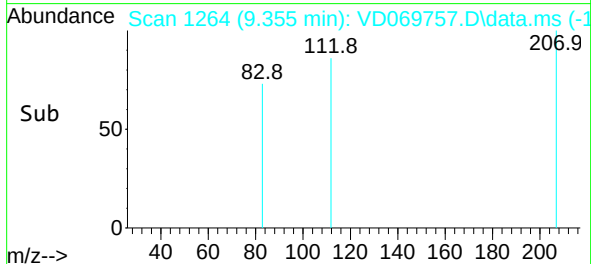
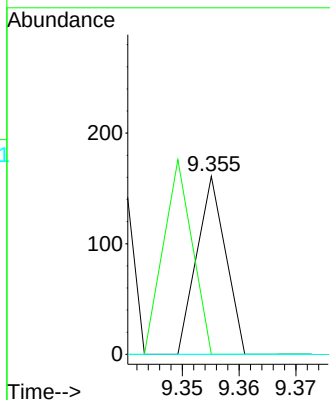
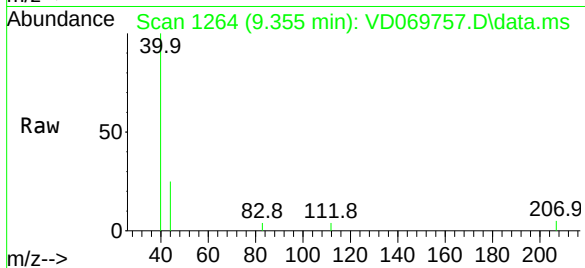
RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD069757.D

Acq: 19 Jul 2021 17:47

Tgt Ion:	83	Resp:	57
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	0.0	38.4	57.6#



#48

Methyl methacrylate

Concen: 1.127 ug/l

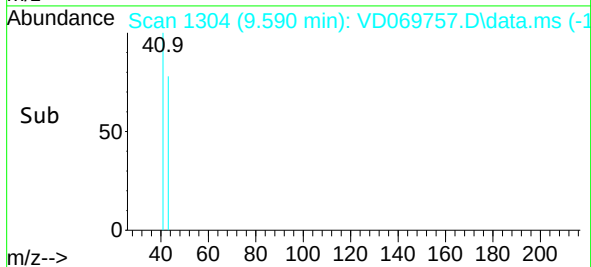
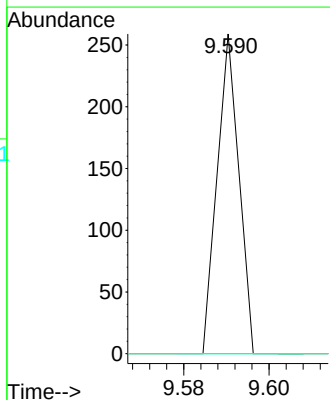
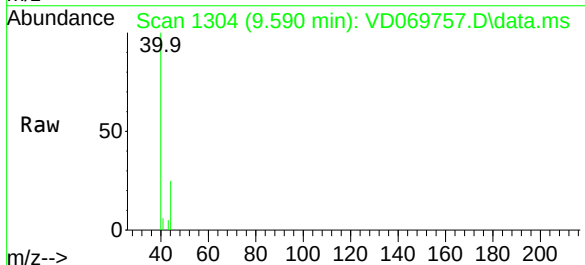
RT: 9.590 min Scan# 1304

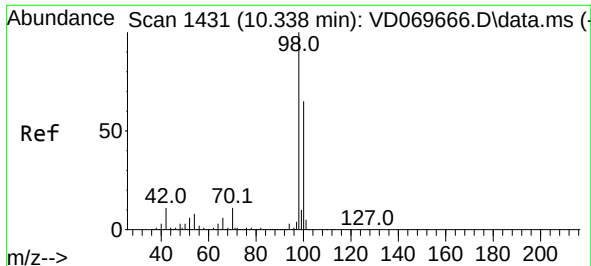
Delta R.T. 0.135 min

Lab File: VD069757.D

Acq: 19 Jul 2021 17:47

Tgt Ion:	41	Resp:	91
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#

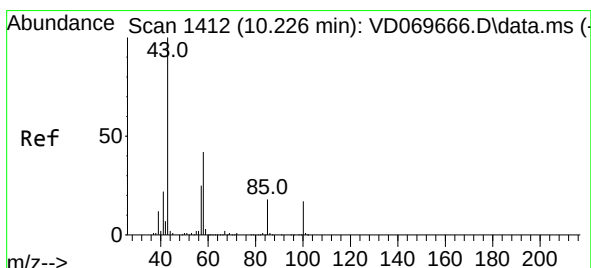
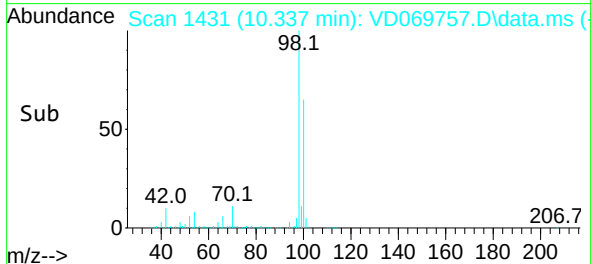
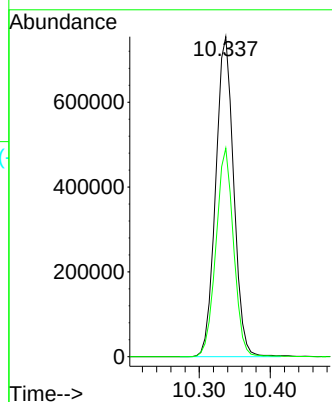
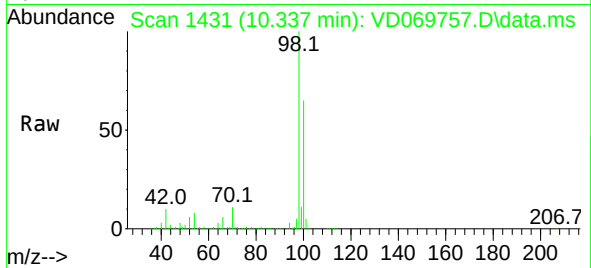




#50
Toluene-d8
Concen: 52.426 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

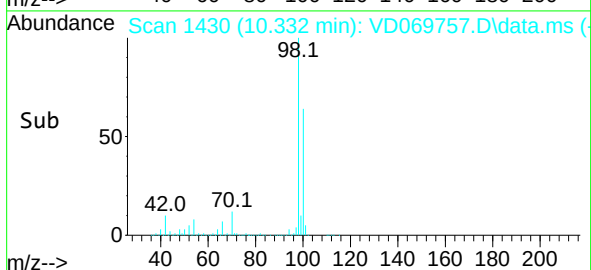
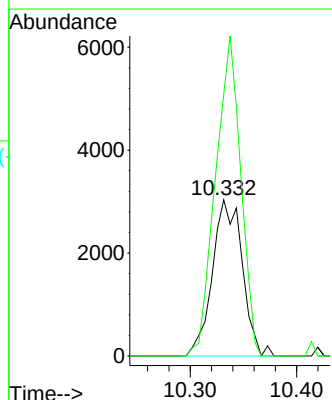
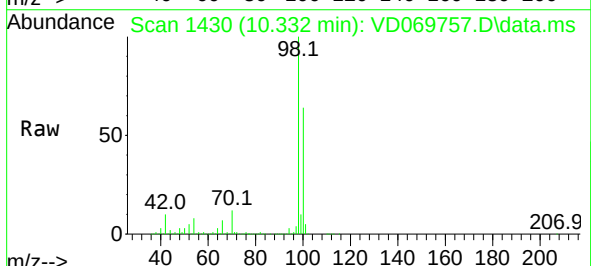
Instrument :
MSVOA_D
ClientSampled :

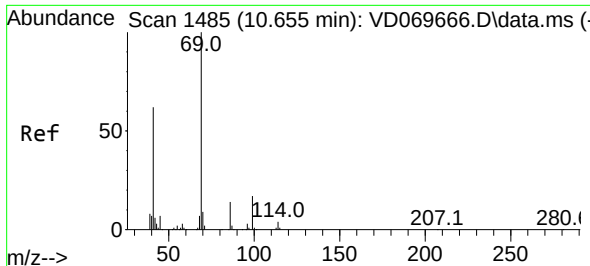
Tgt Ion: 98 Resp: 1321686
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.648 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Tgt Ion: 43 Resp: 5899
Ion Ratio Lower Upper
43 100
58 173.6 33.5 50.3#

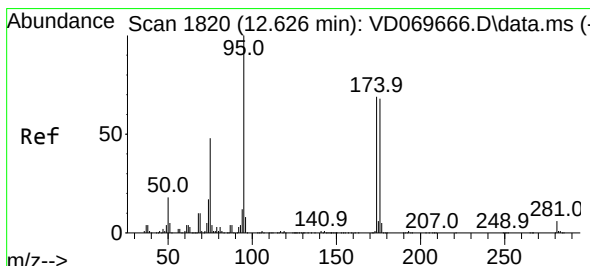
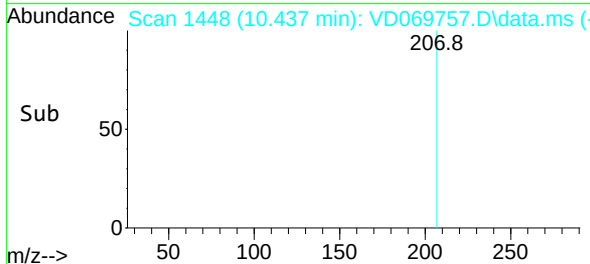
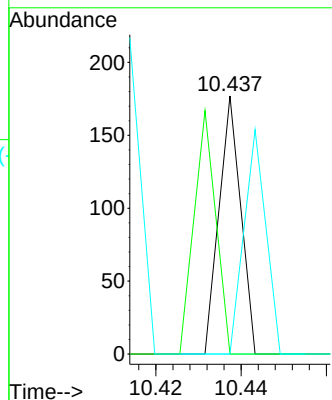
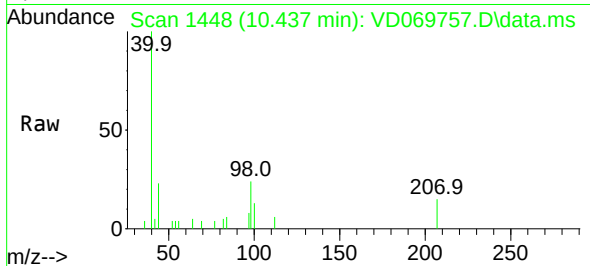




#56
Ethyl methacrylate
Concen: 1.674 ug/l
RT: 10.437 min Scan# 1448
Delta R.T. -0.218 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

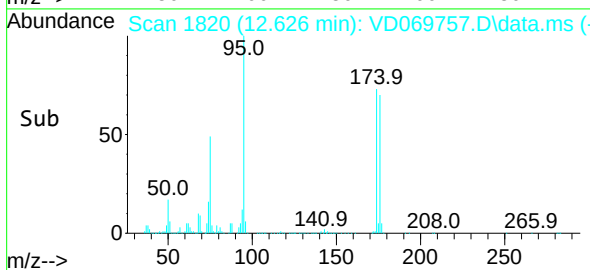
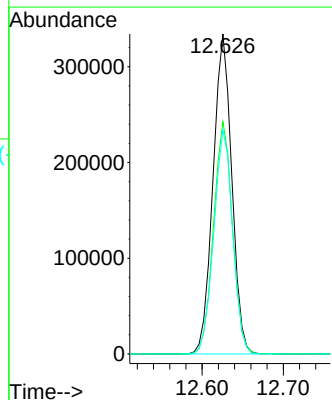
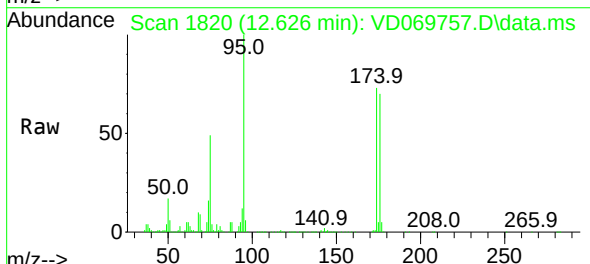
Instrument :
MSVOA_D
ClientSampleId :

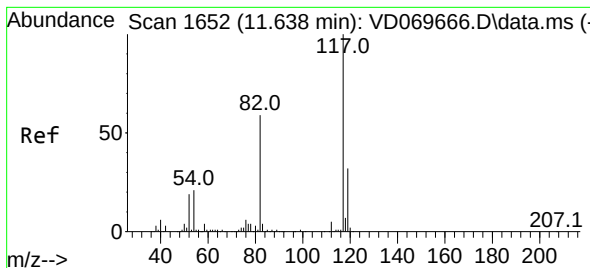
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 95.2 49.5 74.3#
39 87.1 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 63.704 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

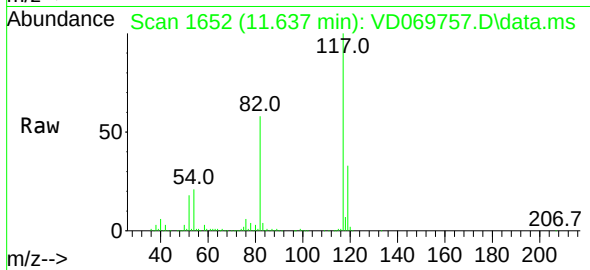
Tgt Ion: 95 Resp: 535619
Ion Ratio Lower Upper
95 100
174 73.4 0.0 140.0
176 70.7 0.0 136.2



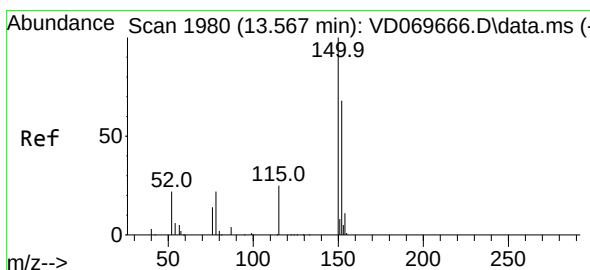
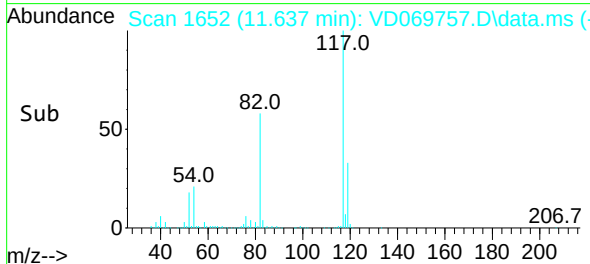
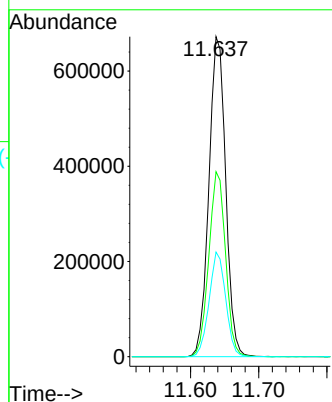


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :

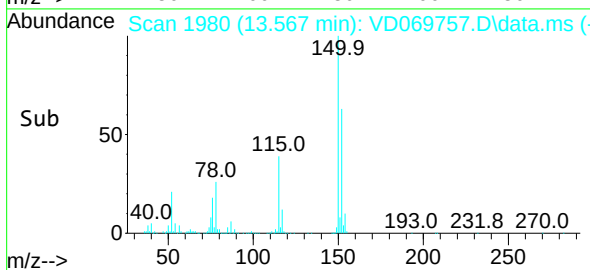
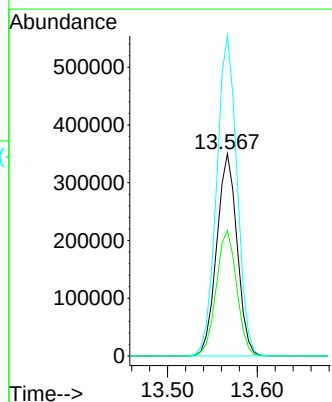
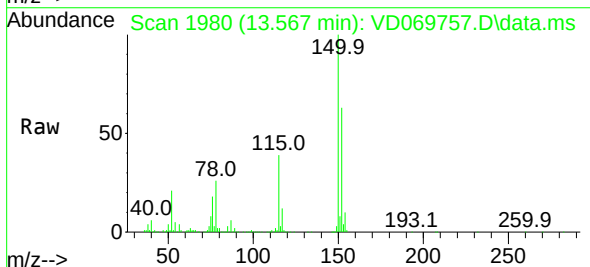


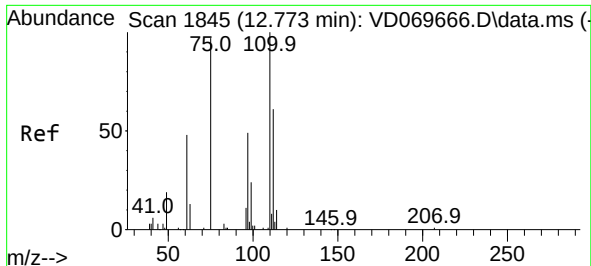
Tgt Ion:117 Resp: 1150790
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Tgt Ion:152 Resp: 550511
Ion Ratio Lower Upper
152 100
115 62.5 31.7 95.1
150 159.1 0.0 350.4

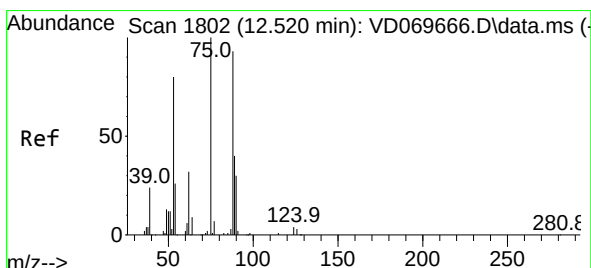
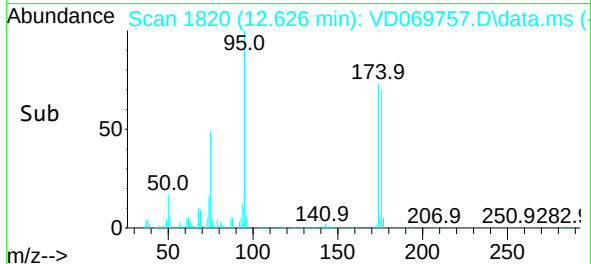
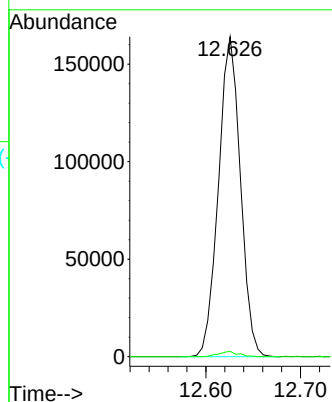
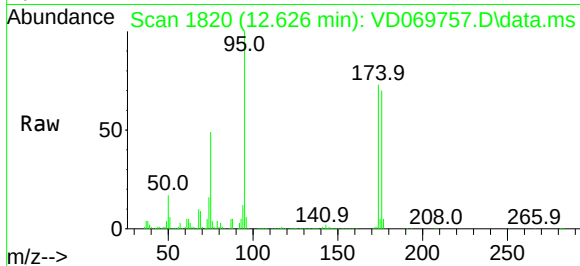




#76
1,2,3-Trichloropropane
Concen: 49.464 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

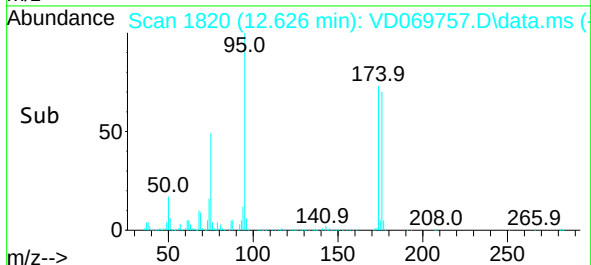
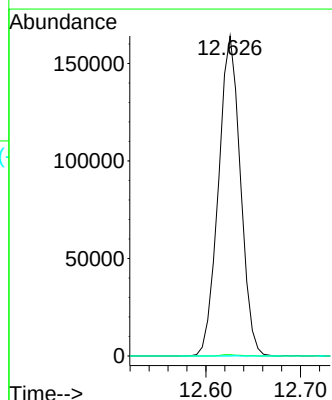
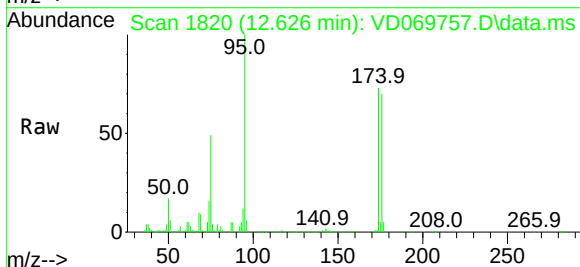
Instrument :
MSVOA_D
ClientSampleId :

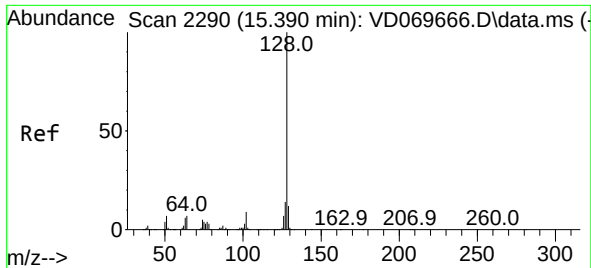
Tgt Ion: 75 Resp: 264535
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.932 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

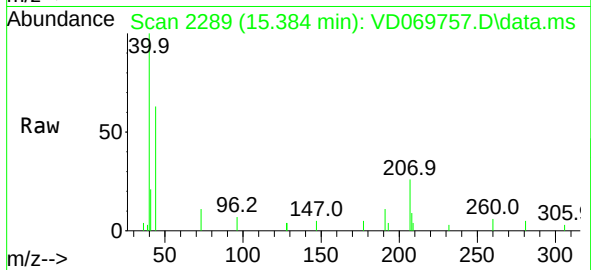
Tgt Ion: 75 Resp: 264535
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.216 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069757.D
Acq: 19 Jul 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :



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

