

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069714.D
 Acq On : 15 Jul 2021 18:30
 Operator : VA/SY
 Sample : M3031-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 16 02:04:16 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)

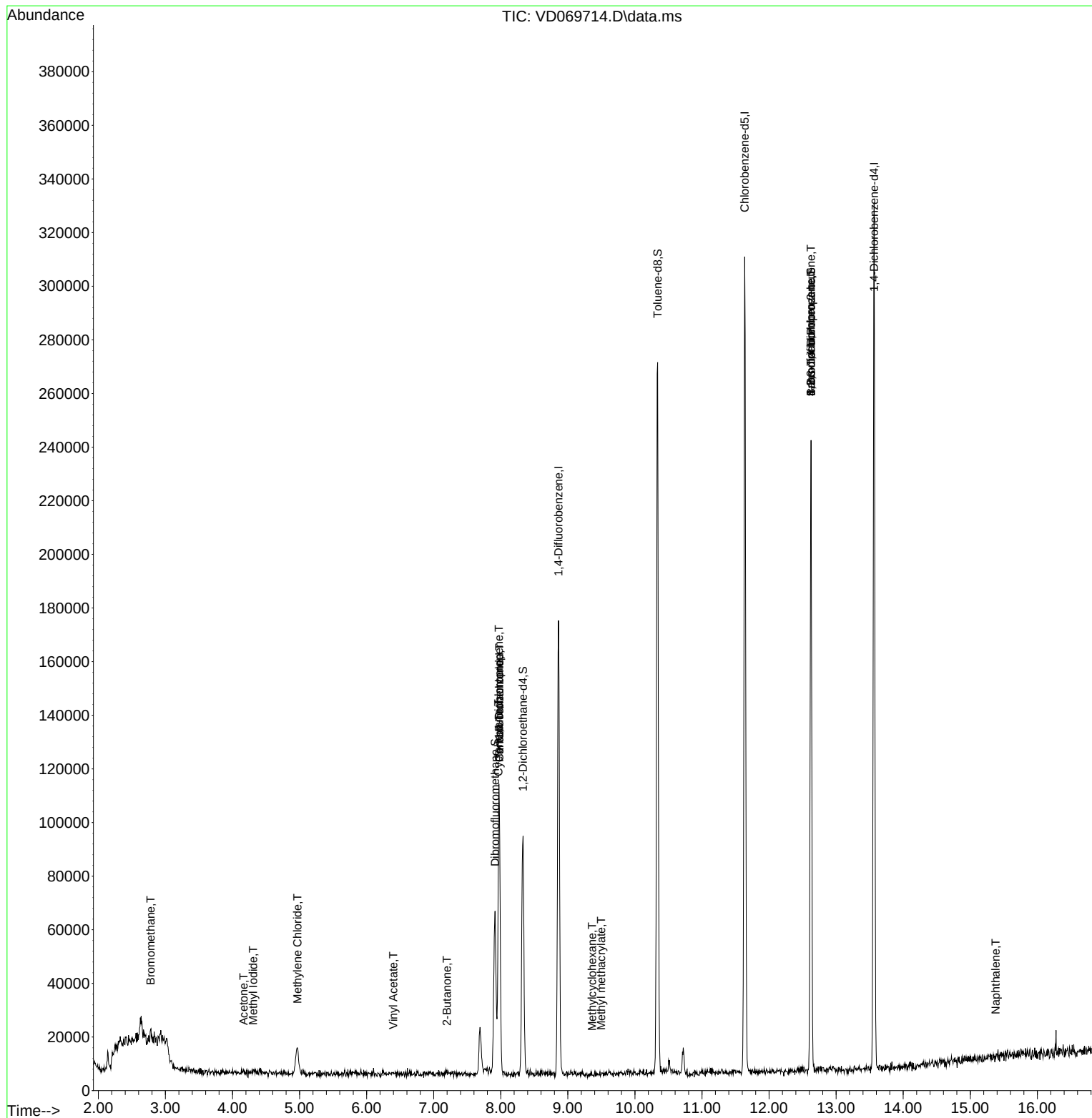
Internal Standards						
1) Pentafluorobenzene	7.979	168	73445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	141792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	178176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	84244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	72227	78.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.520%			
35) Dibromofluoromethane	7.914	113	44439	46.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.440%			
50) Toluene-d8	10.338	98	185862	50.292	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.626	95	78404	63.612	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 127.220%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	2462	1.914	ug/l #	68
10) Methyl Iodide	4.309	142	1345	3.868	ug/l #	75
16) Acetone	4.167	43	1688	21.030	ug/l #	71
18) Methyl Acetate	4.732	43	286	Below Cal	#	49
20) Methylene Chloride	4.967	84	7601	1.273	ug/l #	89
23) Vinyl Acetate	6.397	43	59	15.463	ug/l #	72
25) 2-Butanone	7.197	43	579	2.671	ug/l #	47
31) Cyclohexane	7.967	56	1929	1.631	ug/l #	40
36) 1,1-Dichloropropene	7.973	75	6969	4.764	ug/l #	46
38) Carbon Tetrachloride	7.979	117	8325	6.215	ug/l #	21
39) Methylcyclohexane	9.361	83	60	1.991	ug/l #	60
48) Methyl methacrylate	9.496	41	57	1.208	ug/l #	13
71) Bromoform	12.626	173	684	1.110	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	39028	47.688	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	39028	128.159	ug/l #	14
95) Naphthalene	15.379	128	235	2.289	ug/l #	69

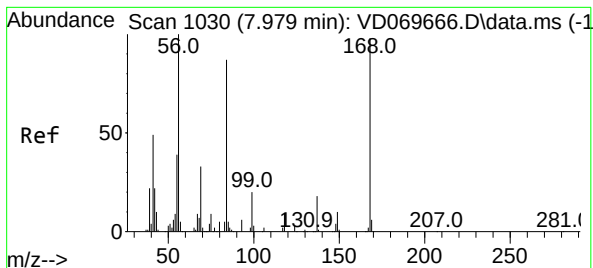
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 02:04:16 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

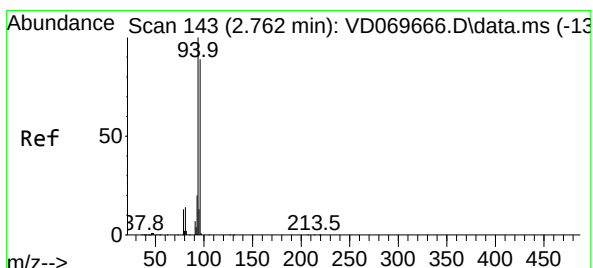
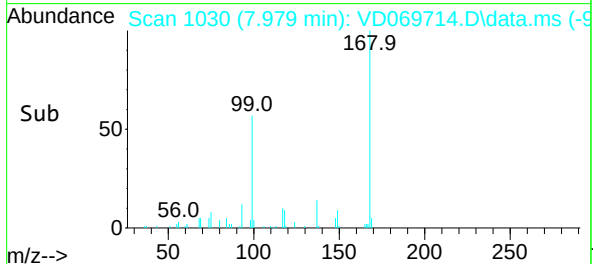
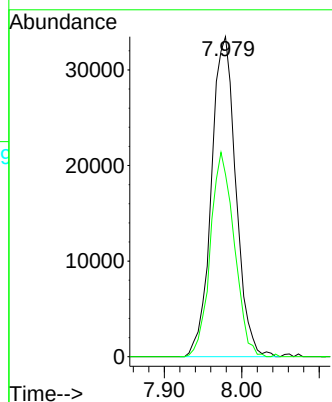
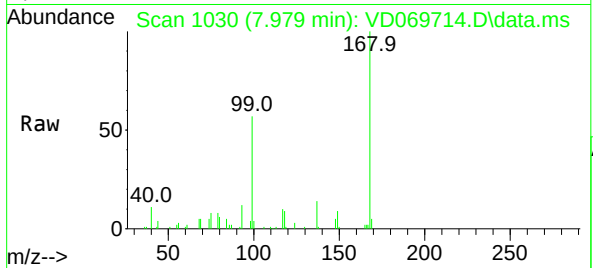




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

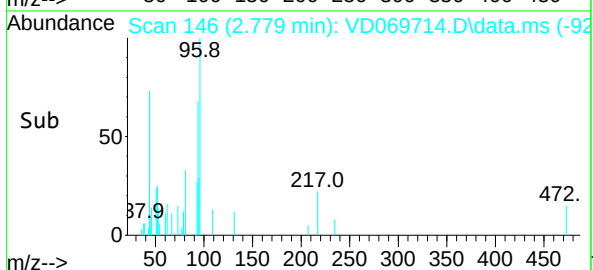
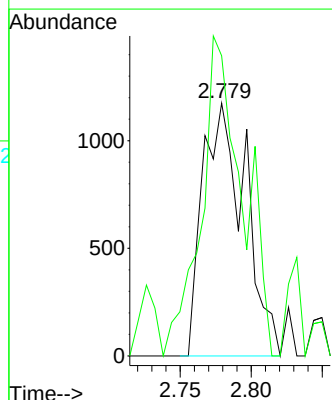
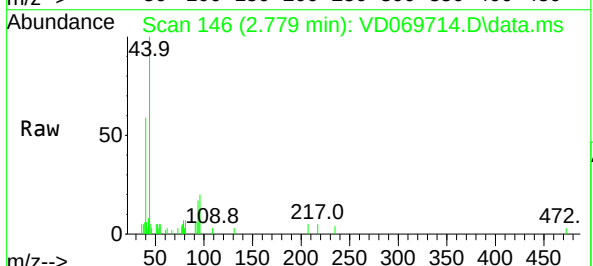
Instrument :
MSVOA_D
ClientSampleId :

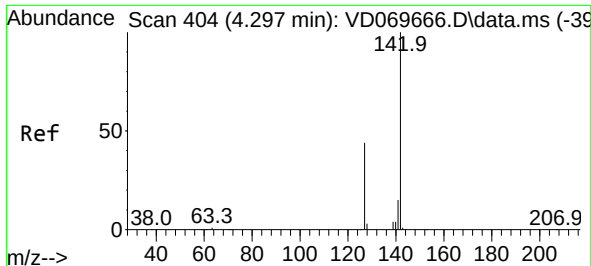
Tgt Ion:168 Resp: 73445
Ion Ratio Lower Upper
168 100
99 57.0 51.8 77.6



#5
Bromomethane
Concen: 1.914 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

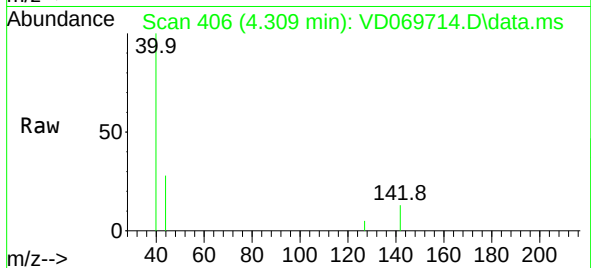
Tgt Ion: 94 Resp: 2462
Ion Ratio Lower Upper
94 100
96 118.7 71.2 106.8#



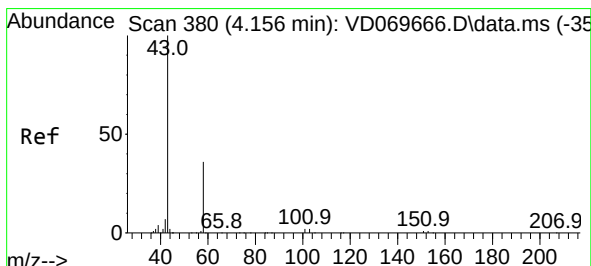
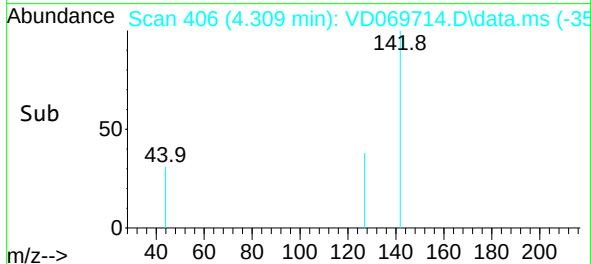
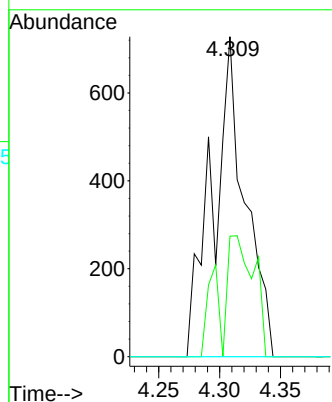


#10
Methyl Iodide
Concen: 3.868 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampled :

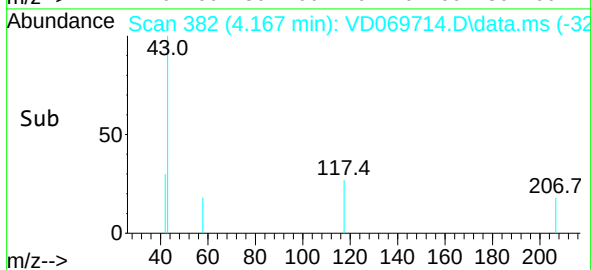
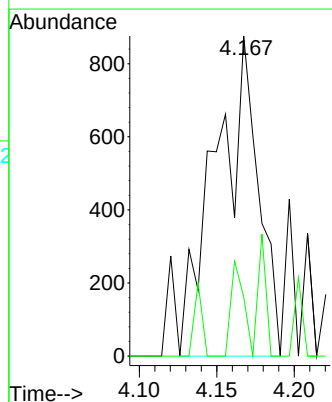
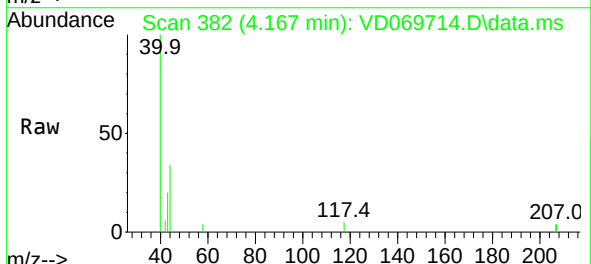


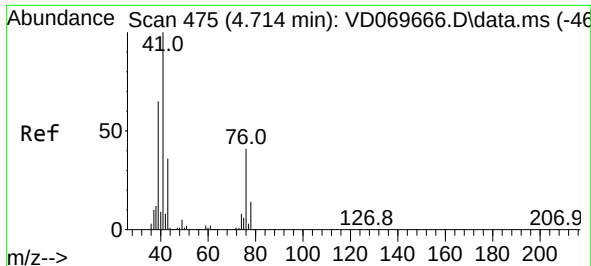
Tgt Ion:142 Resp: 1345
Ion Ratio Lower Upper
142 100
127 30.6 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 21.030 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
58 18.5 28.6 42.8#

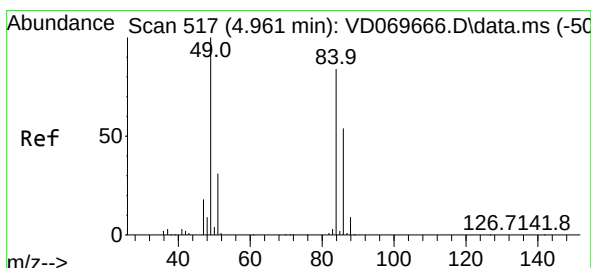
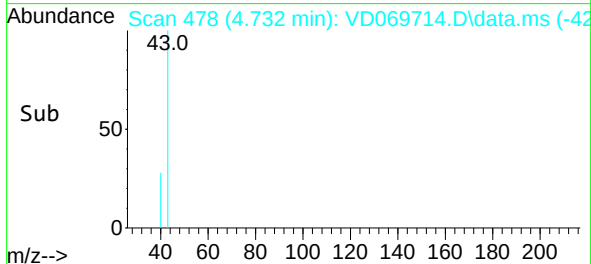
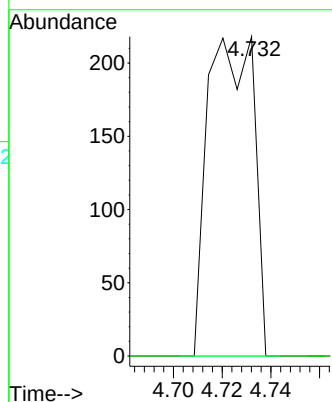
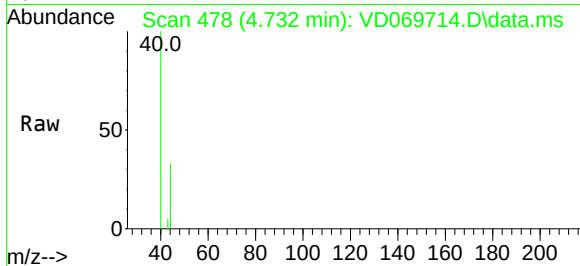




#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

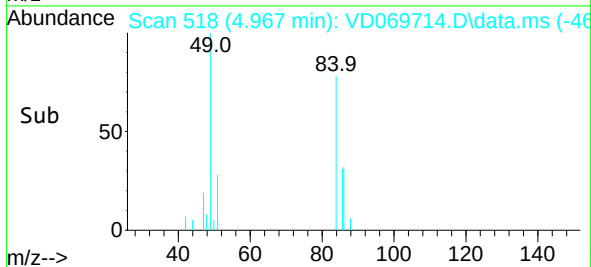
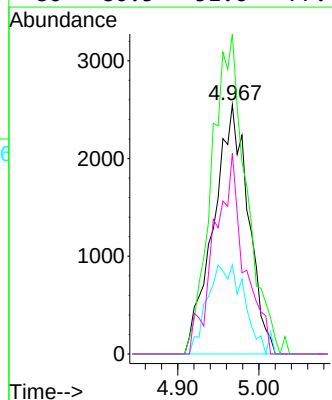
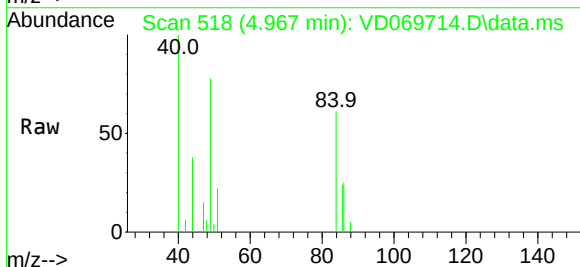
Instrument :
MSVOA_D
ClientSampled :

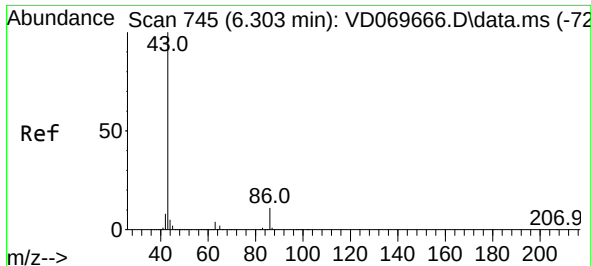
Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 1.273 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion: 84 Resp: 7601
Ion Ratio Lower Upper
84 100
49 128.5 95.5 143.3
51 35.8 29.7 44.5
86 80.5 51.6 77.4#

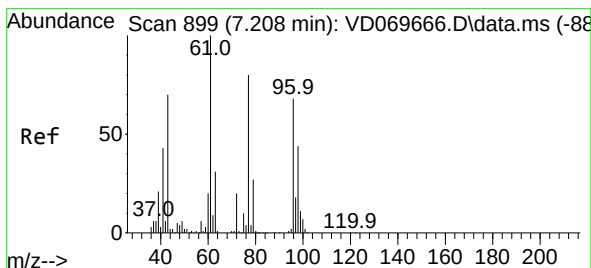
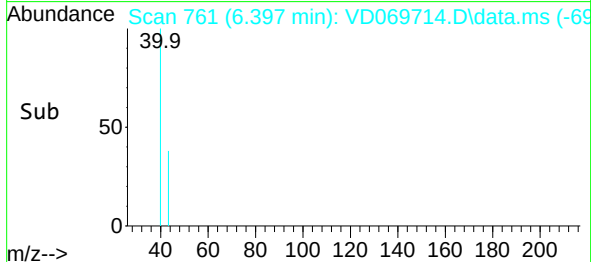
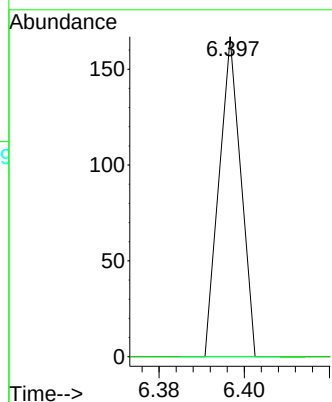
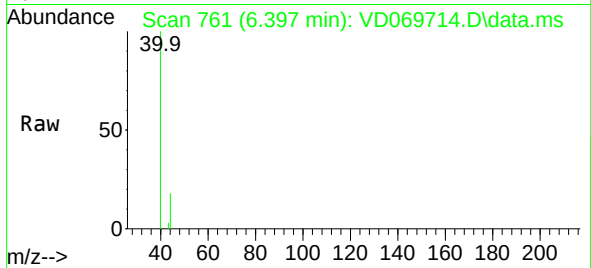




#23
 Vinyl Acetate
 Concen: 15.463 ug/l
 RT: 6.397 min Scan# 761
 Delta R.T. 0.094 min
 Lab File: VD069714.D
 Acq: 15 Jul 2021 18:30

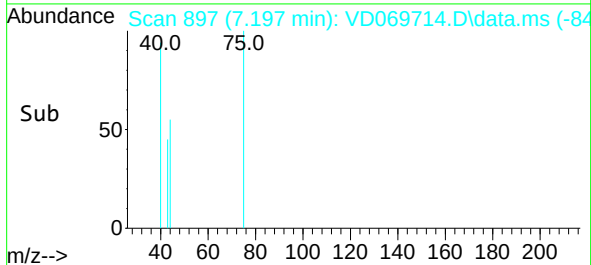
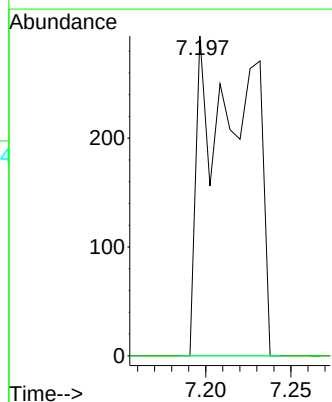
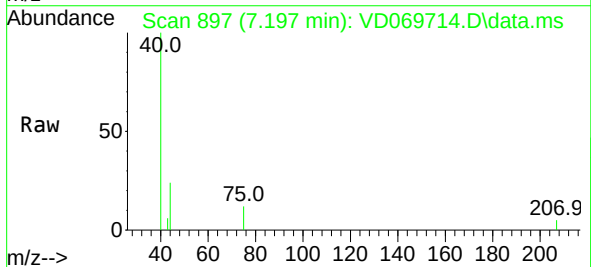
Instrument :
 MSVOA_D
 ClientSampleId :

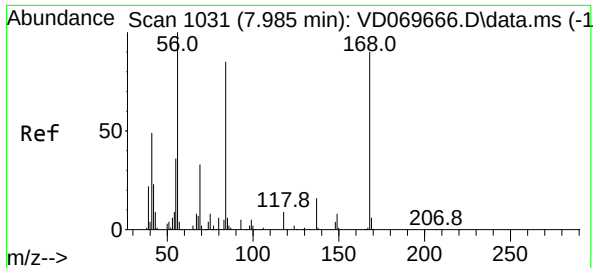
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 2.671 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.011 min
 Lab File: VD069714.D
 Acq: 15 Jul 2021 18:30

Tgt Ion: 43 Resp: 579
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#

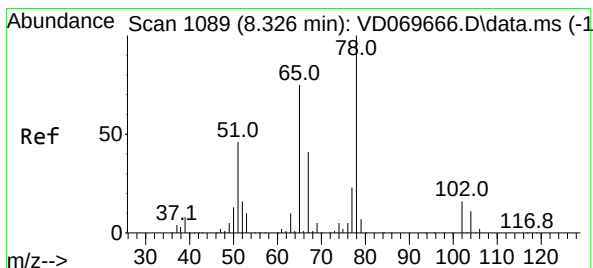
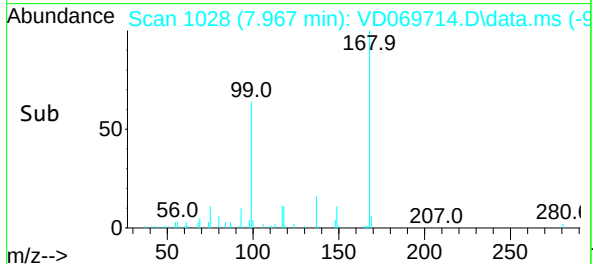
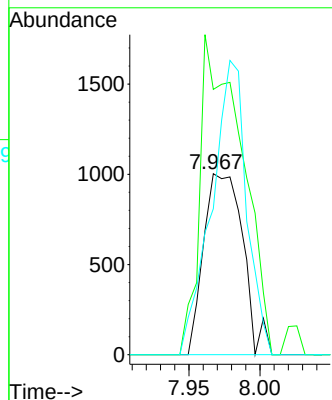
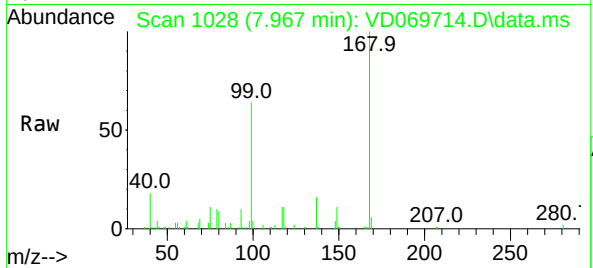




#31
Cyclohexane
Concen: 1.631 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

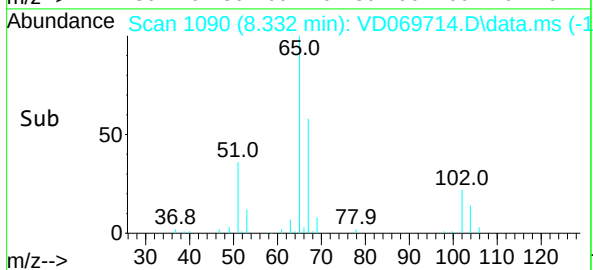
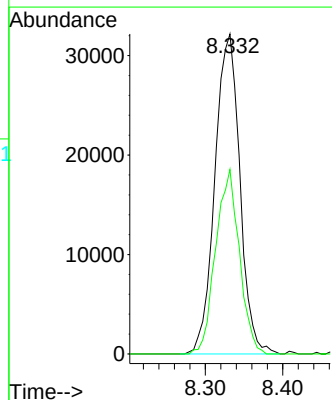
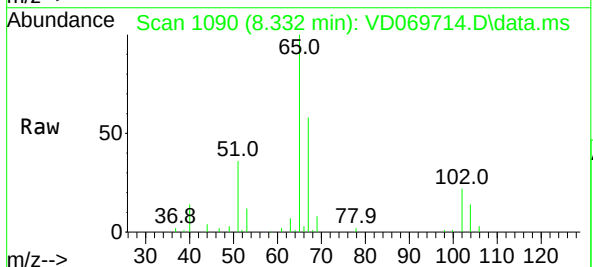
Instrument :
MSVOA_D
ClientSampleId :

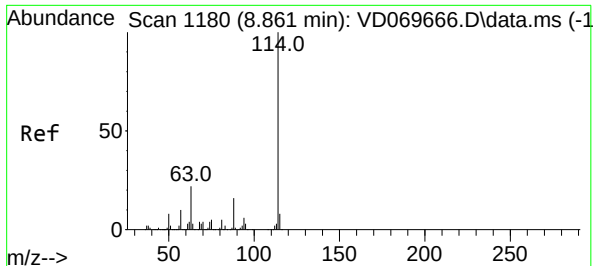
Tgt Ion: 56 Resp: 1929
Ion Ratio Lower Upper
56 100
69 146.7 26.6 39.8#
84 80.7 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 78.760 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion: 65 Resp: 72227
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.2

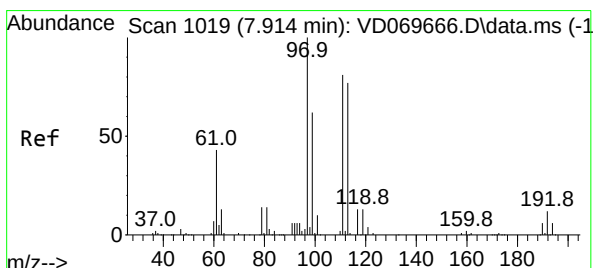
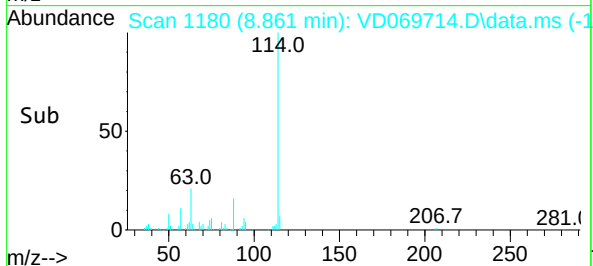
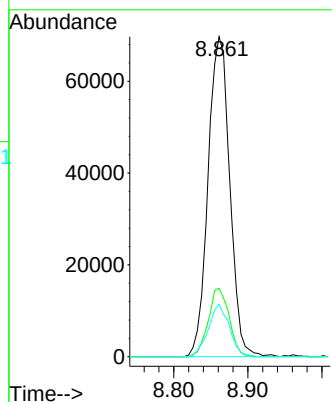
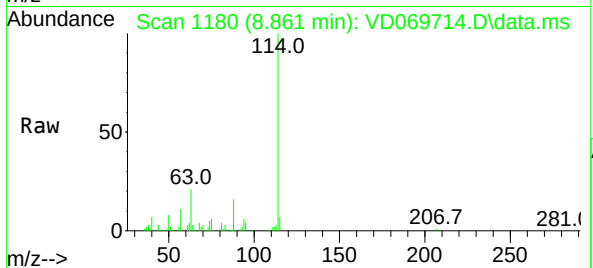




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

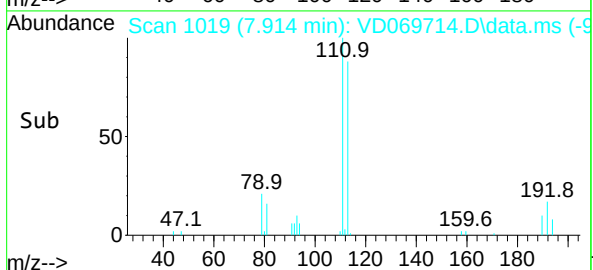
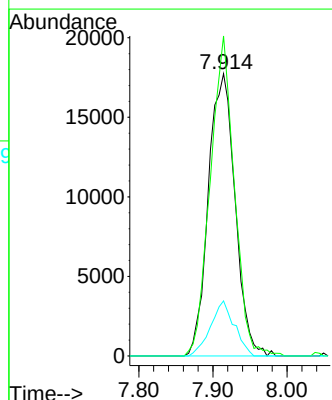
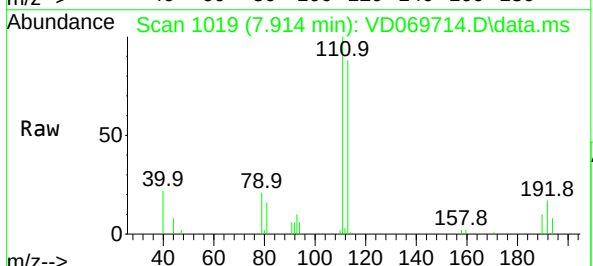
Instrument :
MSVOA_D
ClientSampleId :

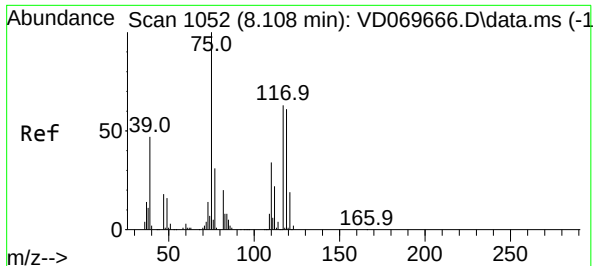
Tgt Ion:	114	Resp:	141792
Ion Ratio	Lower	Upper	
114	100		
63	21.3	0.0	43.4
88	16.4	0.0	32.0



#35
Dibromofluoromethane
Concen: 46.716 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion:	113	Resp:	44439
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.6	123.8
192	17.5	12.7	19.1

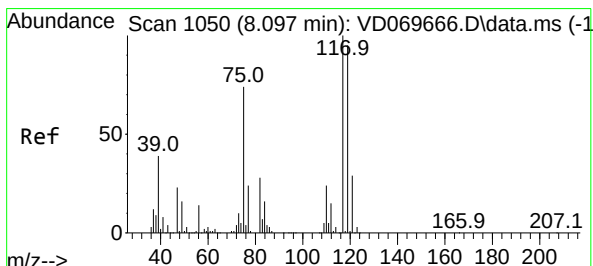
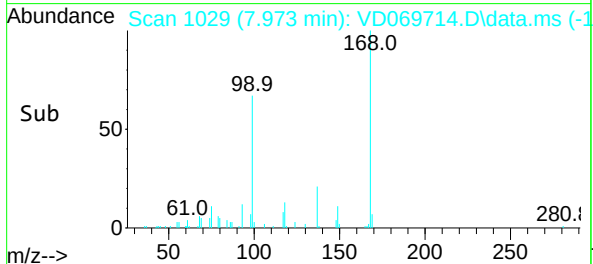
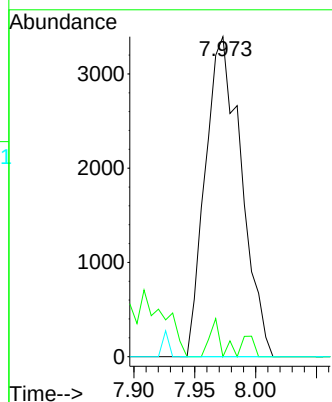
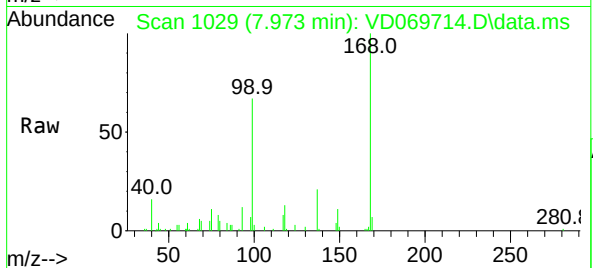




#36
1,1-Dichloropropene
Concen: 4.764 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

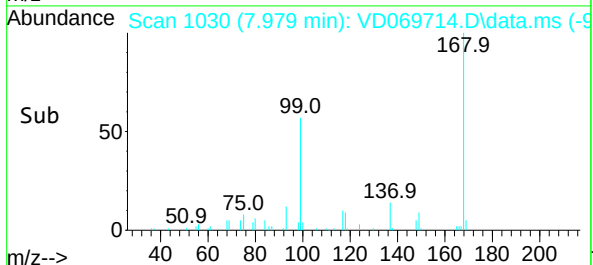
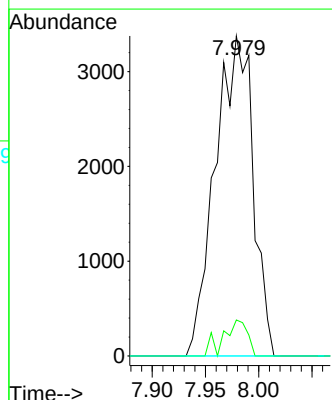
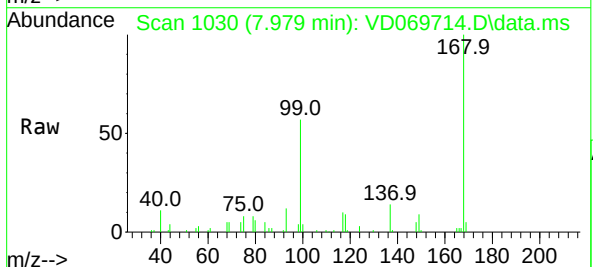
Instrument :
MSVOA_D
ClientSampled :

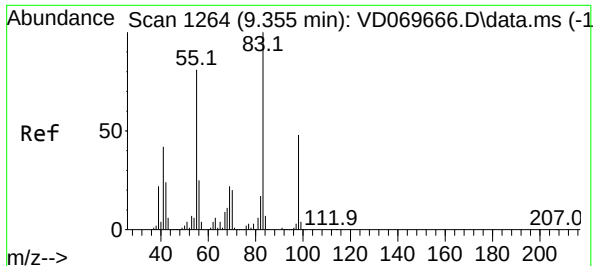
Tgt Ion: 75 Resp: 6969
Ion Ratio Lower Upper
75 100
110 3.8 16.7 50.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.215 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion: 117 Resp: 8325
Ion Ratio Lower Upper
117 100
119 11.3 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.991 ug/l

RT: 9.361 min Scan# 1265

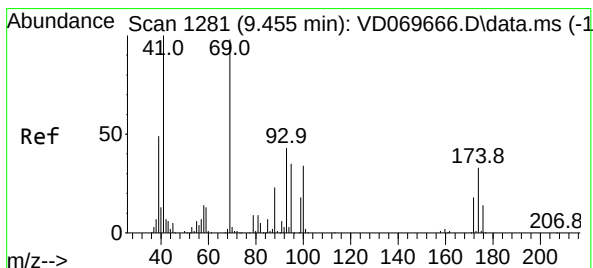
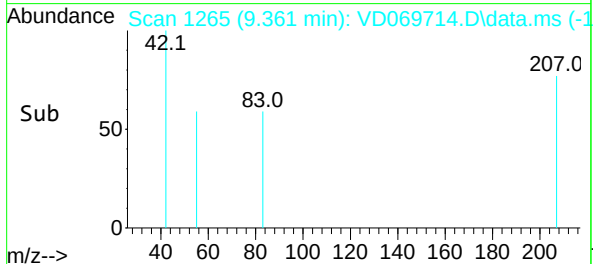
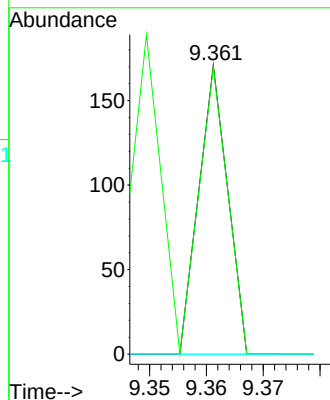
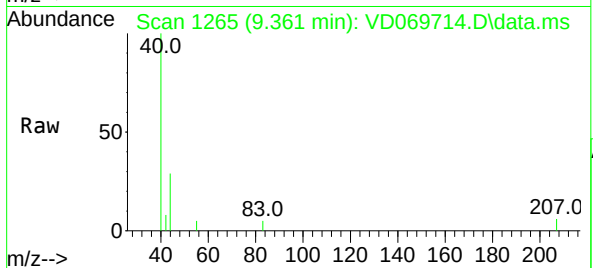
Delta R.T. 0.006 min

Lab File: VD069714.D

Acq: 15 Jul 2021 18:30

Tgt Ion:	83	Resp:	60
Ion	Ratio	Lower	Upper
83	100		
55	99.4	64.6	97.0#
98	0.0	38.4	57.6#

Instrument :
MSVOA_D
ClientSampled :



#48

Methyl methacrylate

Concen: 1.208 ug/l

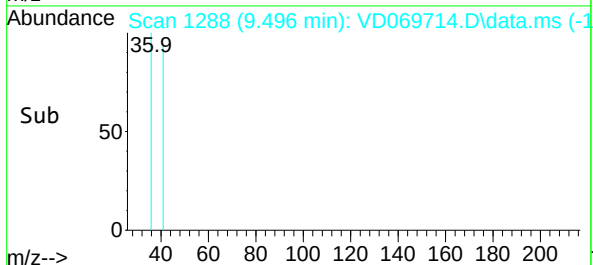
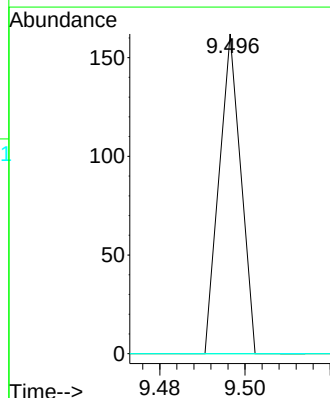
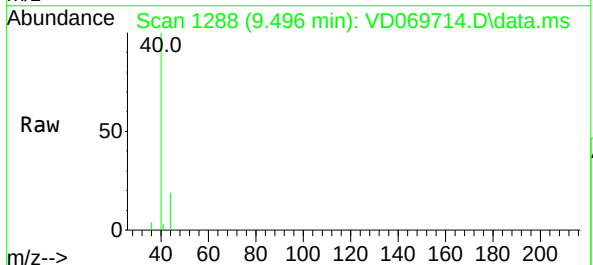
RT: 9.496 min Scan# 1288

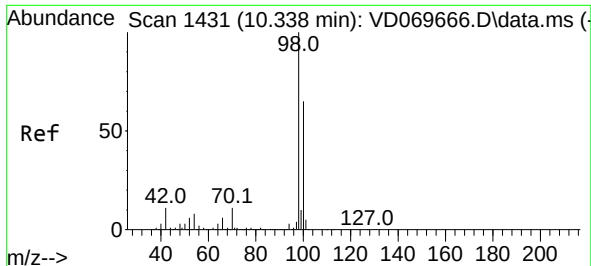
Delta R.T. 0.041 min

Lab File: VD069714.D

Acq: 15 Jul 2021 18:30

Tgt Ion:	41	Resp:	57
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#

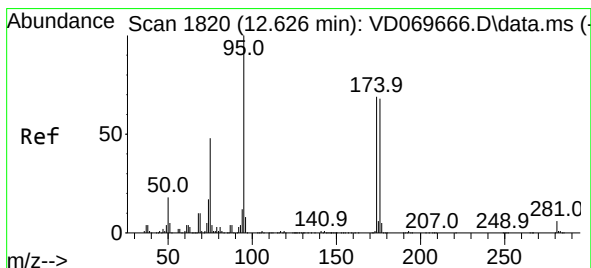
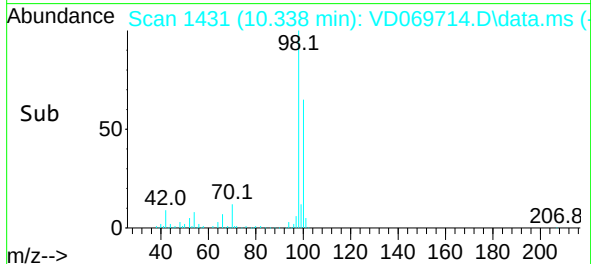
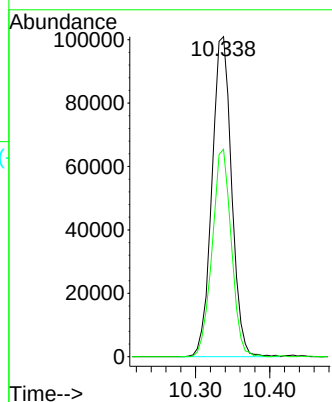
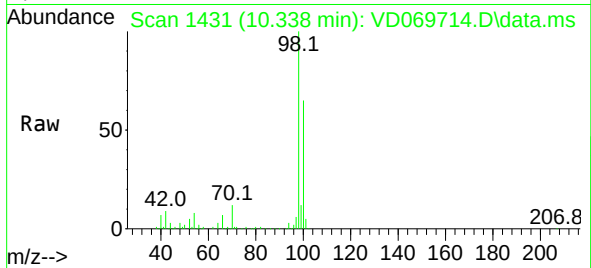




#50
Toluene-d8
Concen: 50.292 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

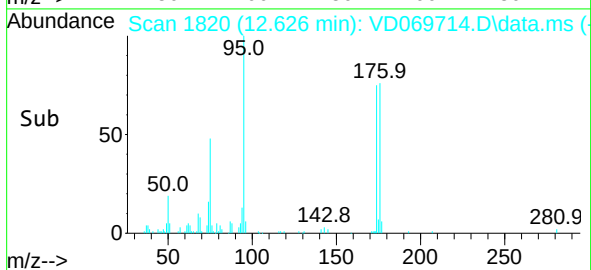
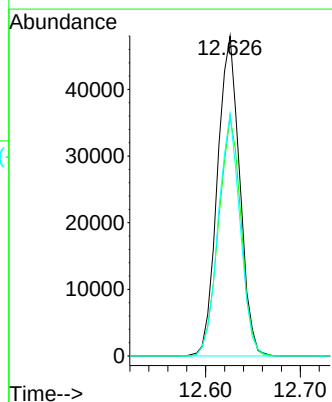
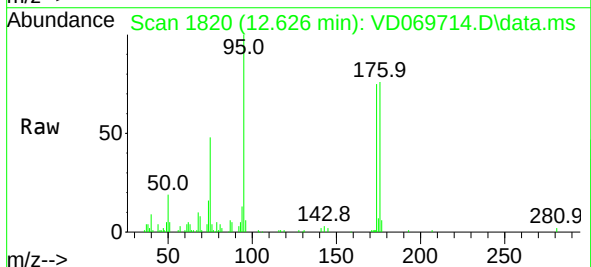
Instrument :
MSVOA_D
ClientSampleId :

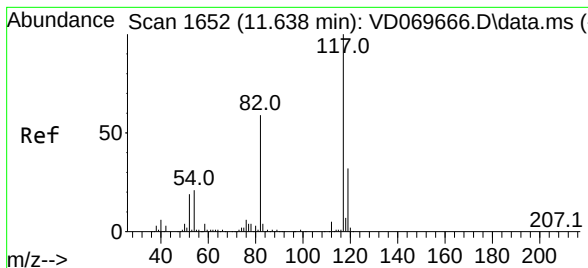
Tgt Ion: 98 Resp: 185862
Ion Ratio Lower Upper
98 100
100 63.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 63.612 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion: 95 Resp: 78404
Ion Ratio Lower Upper
95 100
174 75.3 0.0 140.0
176 73.9 0.0 136.2

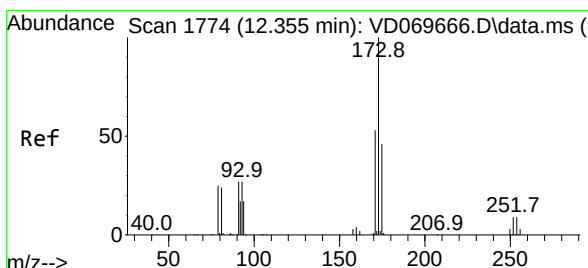
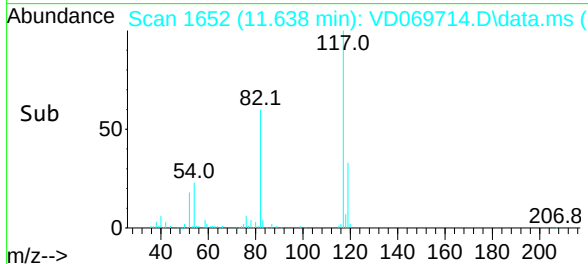
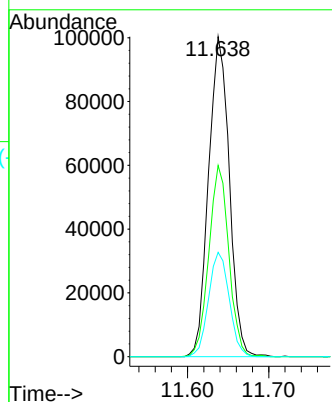
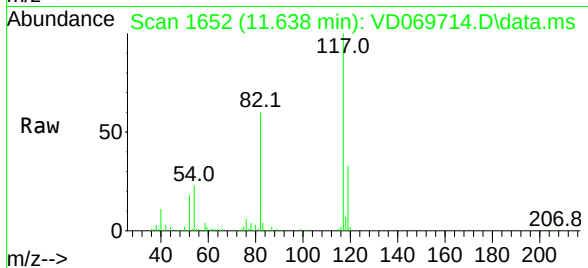




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

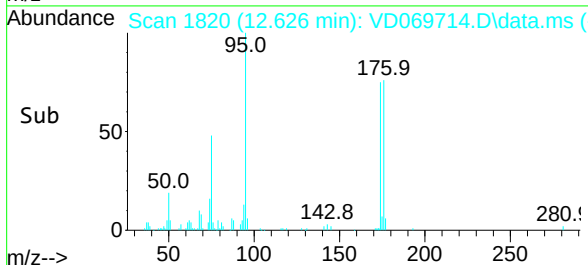
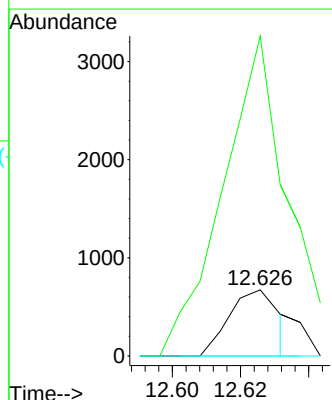
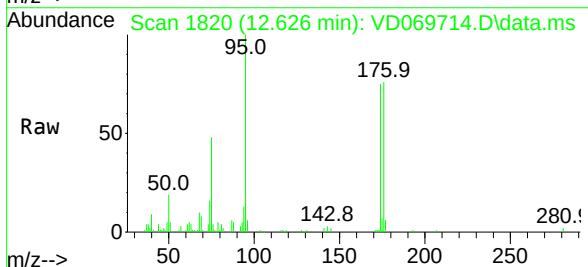
Instrument :
MSVOA_D
ClientSampleId :

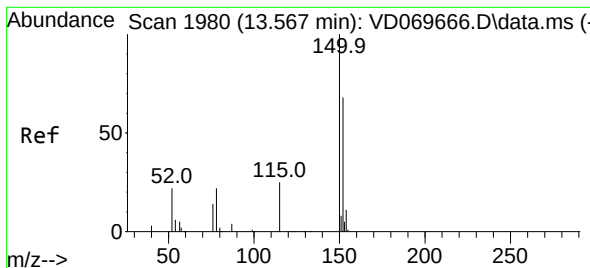
Tgt Ion:	117	Resp:	178176
Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	32.6	25.5	38.3



#71
Bromoform
Concen: 1.110 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion:	173	Resp:	684
Ion	Ratio	Lower	Upper
173	100		
175	527.9	24.2	72.6#
254	0.0	0.1	0.1#

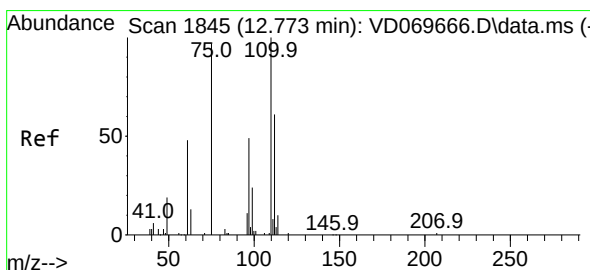
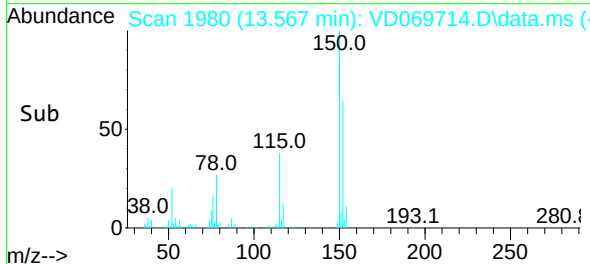
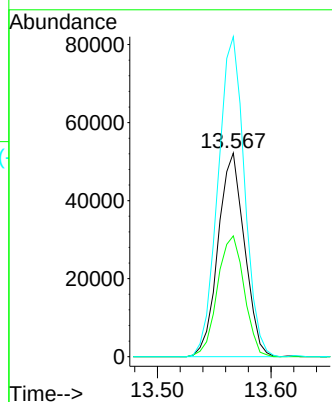
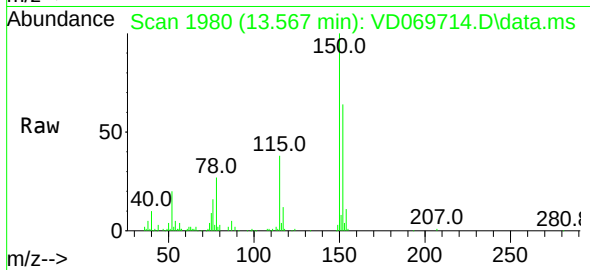




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069714.D
 Acq: 15 Jul 2021 18:30

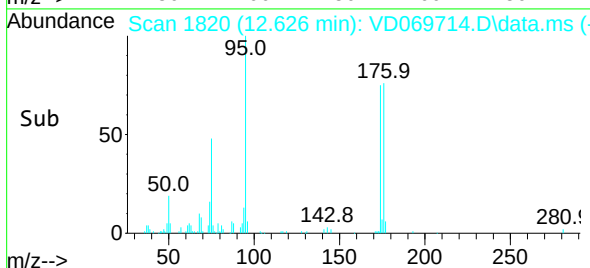
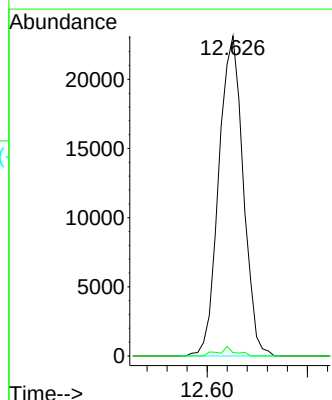
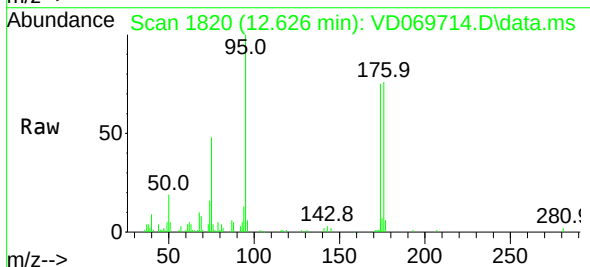
Instrument :
 MSVOA_D
 ClientSampleId :

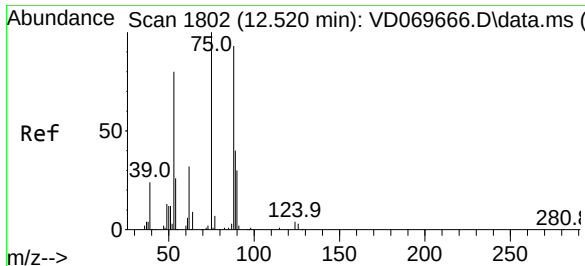
Tgt Ion:152 Resp: 84244
 Ion Ratio Lower Upper
 152 100
 115 60.1 31.7 95.1
 150 157.7 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 47.688 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069714.D
 Acq: 15 Jul 2021 18:30

Tgt Ion: 75 Resp: 39028
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

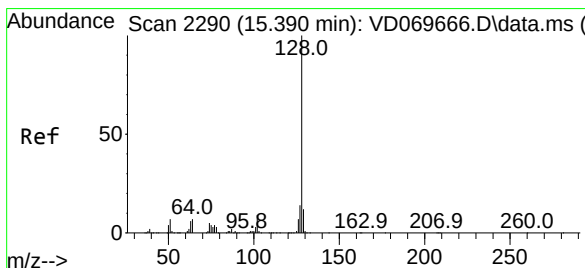
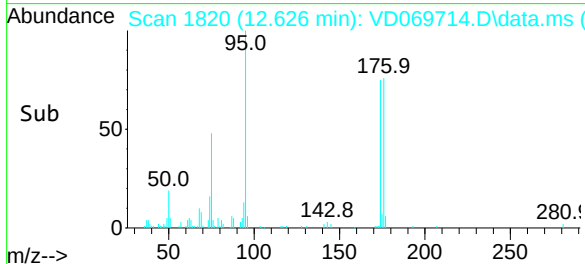
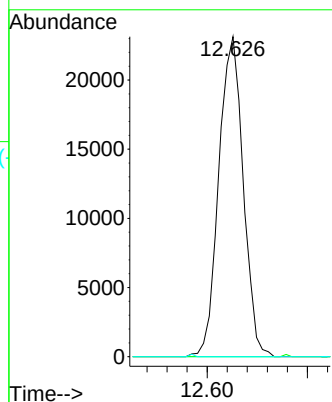
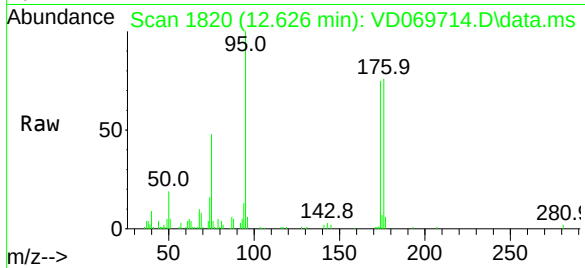




#81
trans-1,4-Dichloro-2-butene
Concen: 128.159 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 39028
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.289 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069714.D
Acq: 15 Jul 2021 18:30

Tgt Ion:128 Resp: 235
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

