

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069703.D
 Acq On : 15 Jul 2021 10:57
 Operator : VA/SY
 Sample : VD0715SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 15:51:29 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)

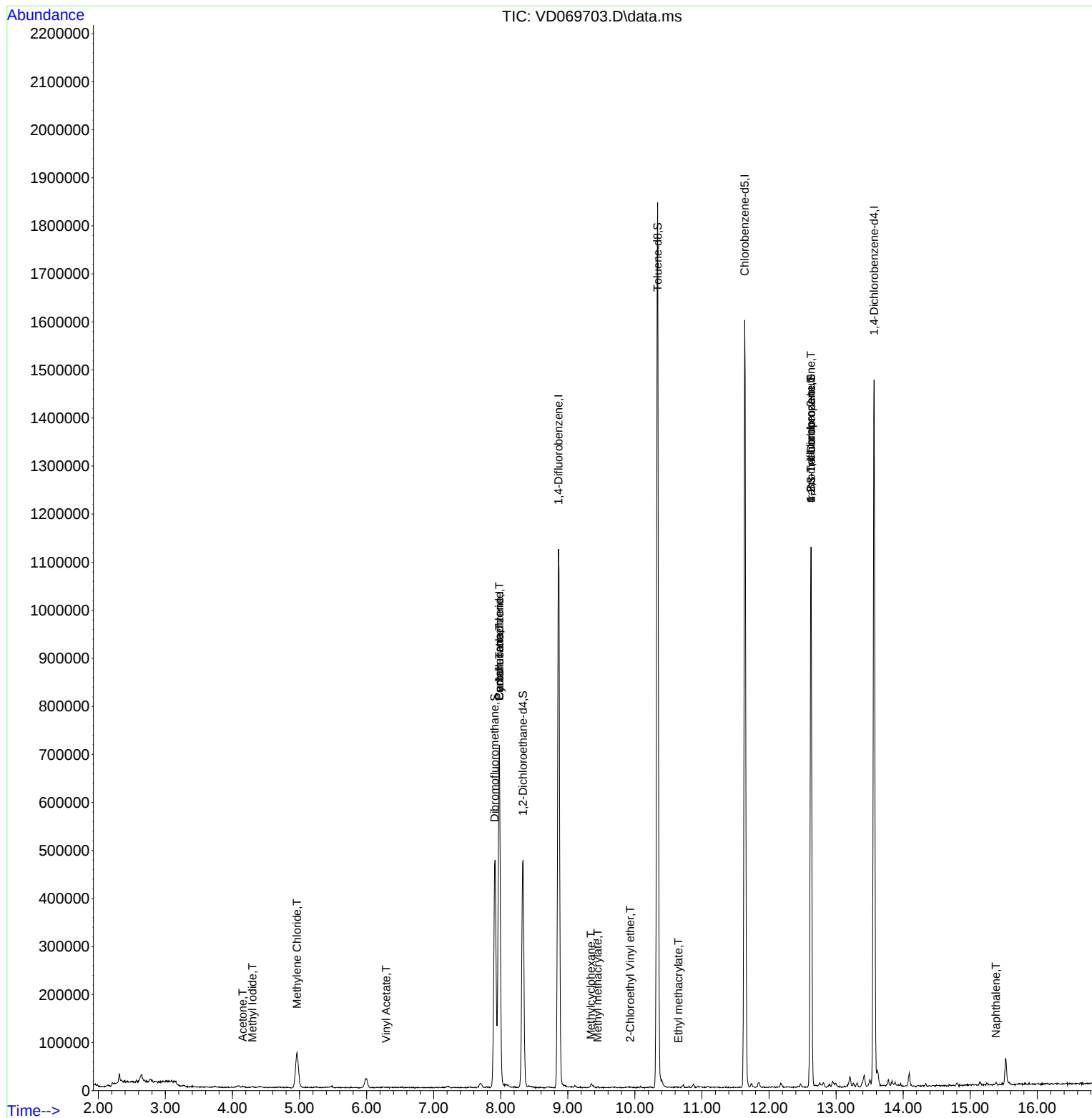
Internal Standards						
1) Pentafluorobenzene	7.979	168	489126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	970735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	919569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	384081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	378439	61.964	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.920%			
35) Dibromofluoromethane	7.908	113	352233	54.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.180%			
50) Toluene-d8	10.338	98	1259942	49.798	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.600%			
62) 4-Bromofluorobenzene	12.626	95	384245	45.537	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.080%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	4680	Below Cal		100
10) Methyl Iodide	4.297	142	2149	2.805 ug/l #		75
16) Acetone	4.150	43	1322	14.074 ug/l #		42
18) Methyl Acetate	4.726	43	271	Below Cal #		49
20) Methylene Chloride	4.962	84	57599	2.111 ug/l		97
23) Vinyl Acetate	6.291	43	125	15.437 ug/l #		72
31) Cyclohexane	7.979	56	14474	1.786 ug/l #		8
38) Carbon Tetrachloride	7.979	117	54523	5.945 ug/l #		18
39) Methylcyclohexane	9.344	83	2635	2.170 ug/l #		73
48) Methyl methacrylate	9.444	41	321	1.190 ug/l #		24
56) Ethyl methacrylate	10.650	69	62	1.674 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.932	63	415	9.496 ug/l #		49
76) 1,2,3-Trichloropropane	12.626	75	191935	51.440 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	191935	138.243 ug/l #		15
95) Naphthalene	15.385	128	3696	2.496 ug/l #		88

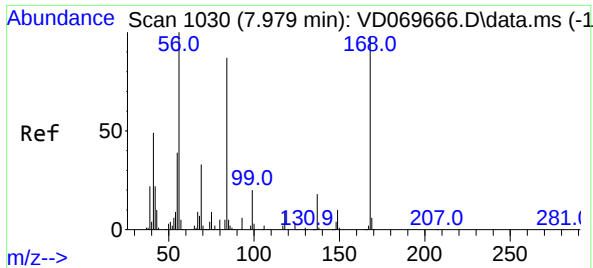
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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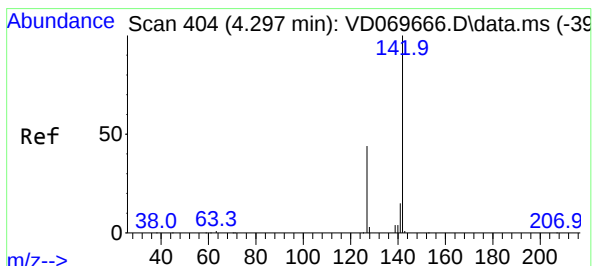
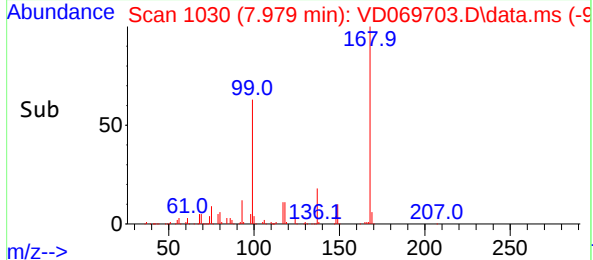
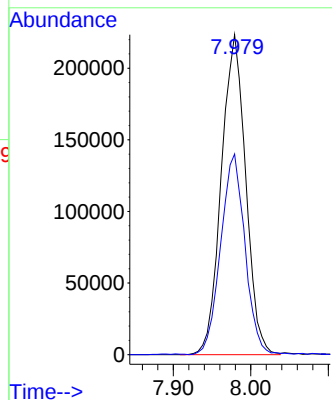
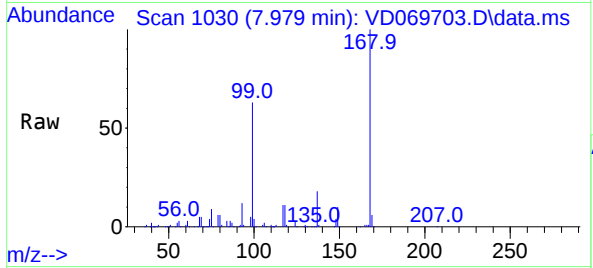




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

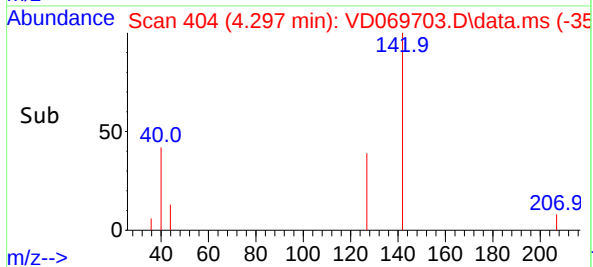
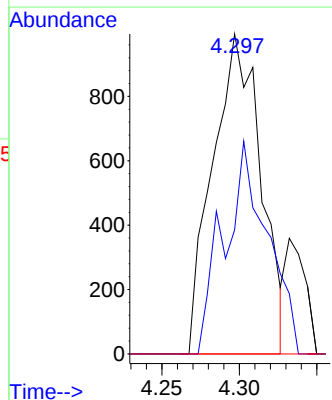
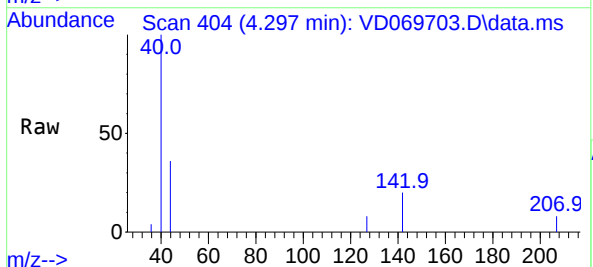
Instrument :
MSVOA_D
ClientSampled :

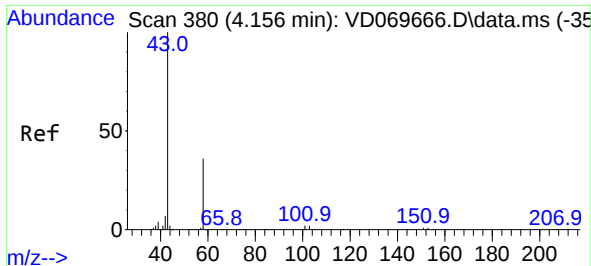
Tgt Ion:168 Resp: 489126
Ion Ratio Lower Upper
168 100
99 62.6 51.8 77.6



#10
Methyl Iodide
Concen: 2.805 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion:142 Resp: 2149
Ion Ratio Lower Upper
142 100
127 59.5 36.1 54.1#
141 0.0 11.6 17.4#

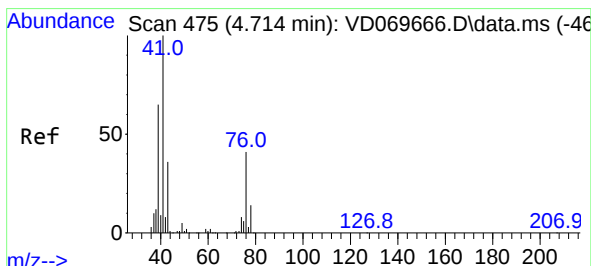
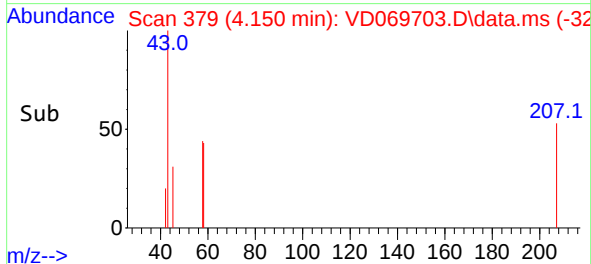
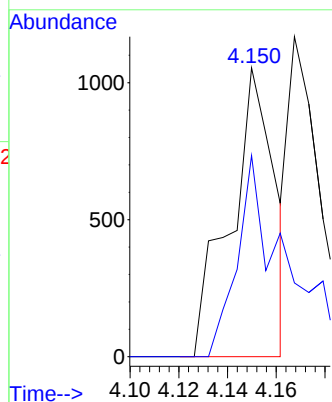
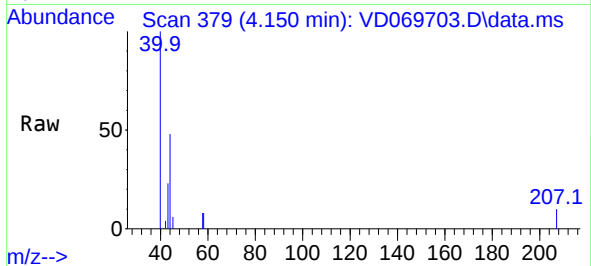




#16
Acetone
Concen: 14.074 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

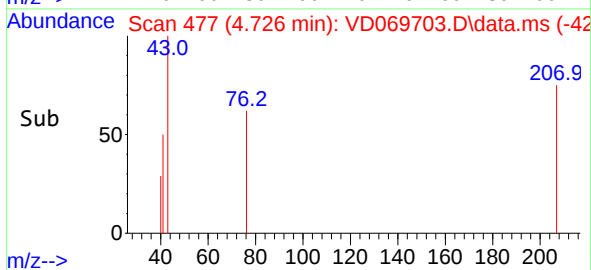
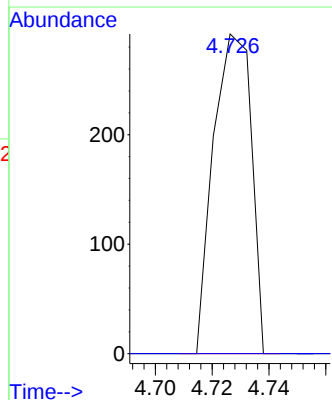
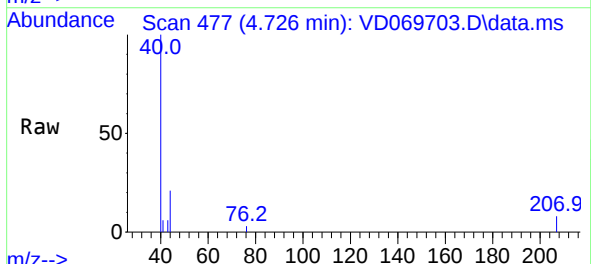
Instrument :
MSVOA_D
ClientSampled :

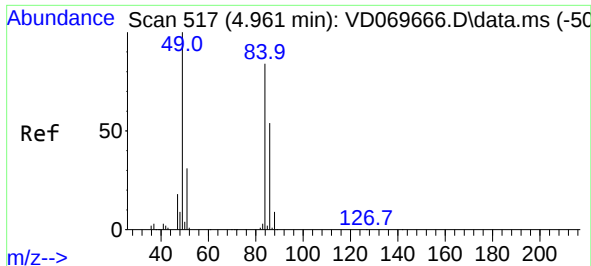
Tgt Ion: 43 Resp: 1322
Ion Ratio Lower Upper
43 100
58 69.6 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



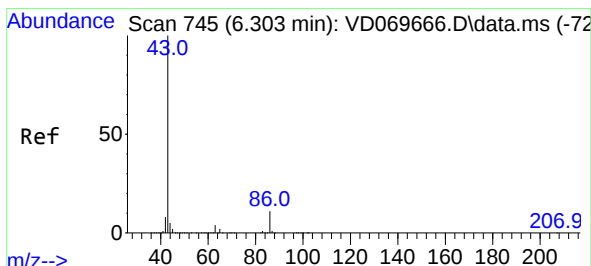
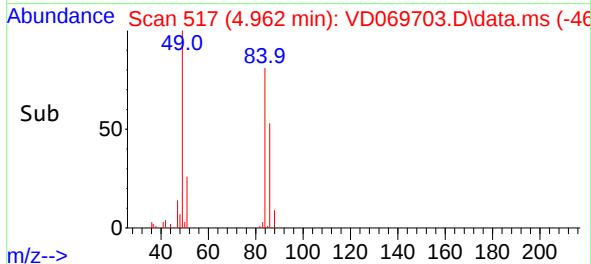
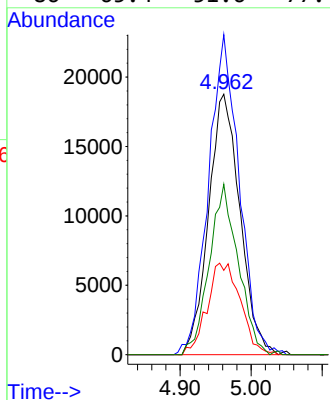
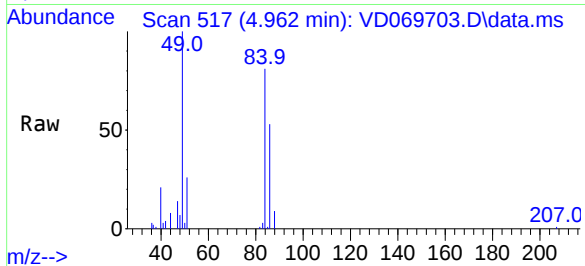


#20
Methylene Chloride
Concen: 2.111 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 84 Resp: 57599

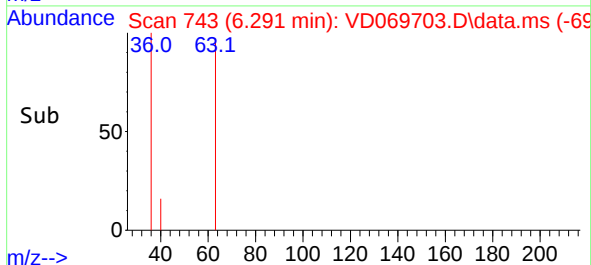
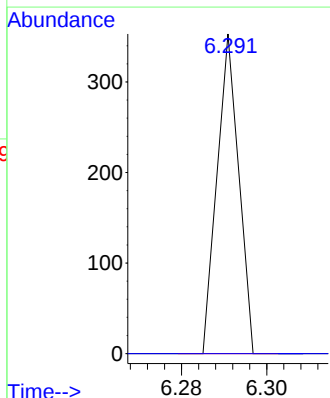
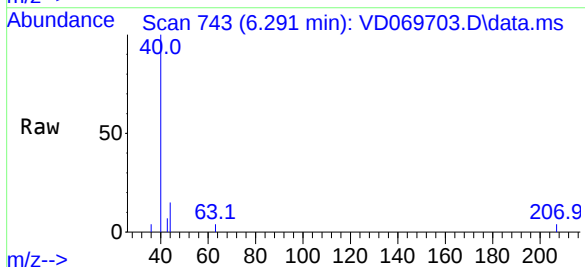
Ion	Ratio	Lower	Upper
84	100		
49	122.0	95.5	143.3
51	32.4	29.7	44.5
86	65.4	51.6	77.4

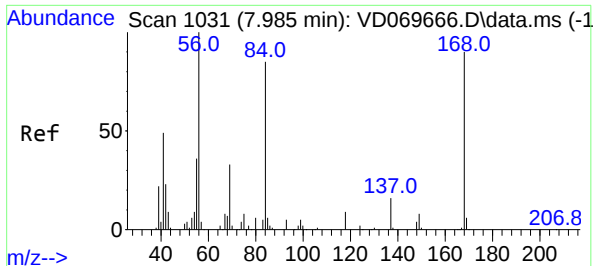


#23
Vinyl Acetate
Concen: 15.437 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion: 43 Resp: 125

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#31

Cyclohexane

Concen: 1.786 ug/l

RT: 7.979 min Scan# 1030

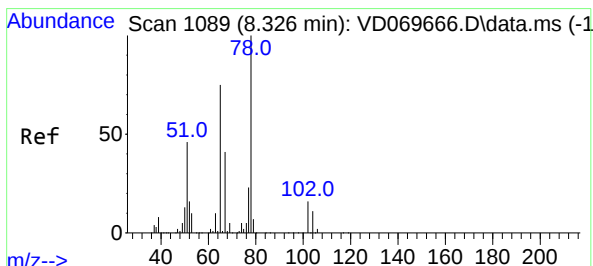
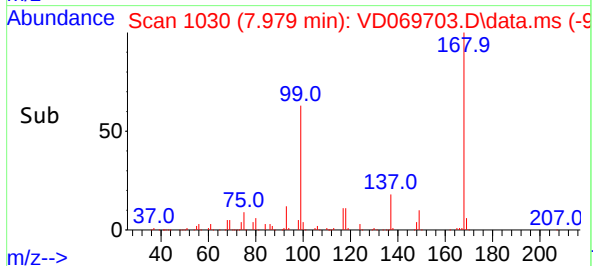
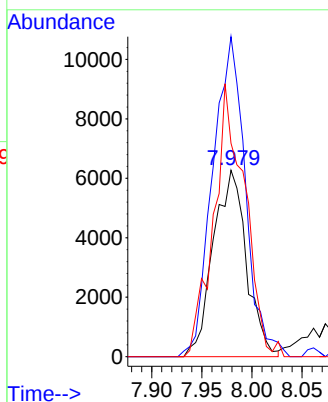
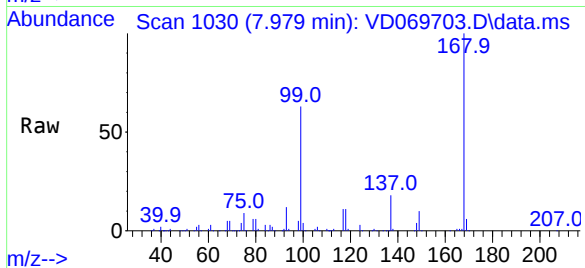
Delta R.T. -0.006 min

Lab File: VD069703.D

Acq: 15 Jul 2021 10:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	56	Resp:	14474
Ion	Ratio	Lower	Upper
56	100		
69	171.6	26.6	39.8#
84	114.5	68.2	102.2#



#33

1,2-Dichloroethane-d4

Concen: 61.964 ug/l

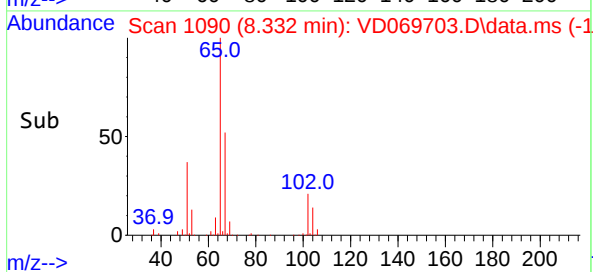
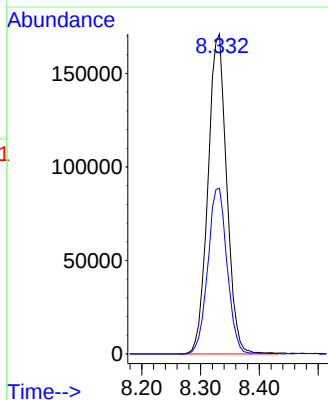
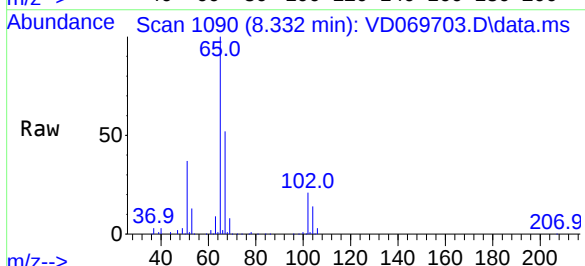
RT: 8.332 min Scan# 1090

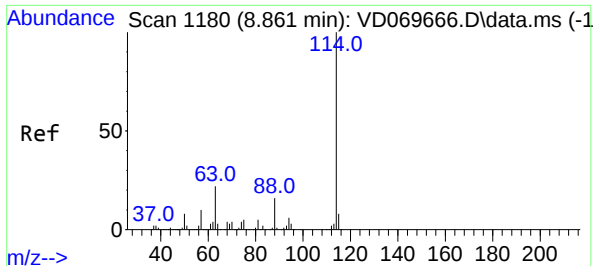
Delta R.T. 0.006 min

Lab File: VD069703.D

Acq: 15 Jul 2021 10:57

Tgt Ion:	65	Resp:	378439
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.2



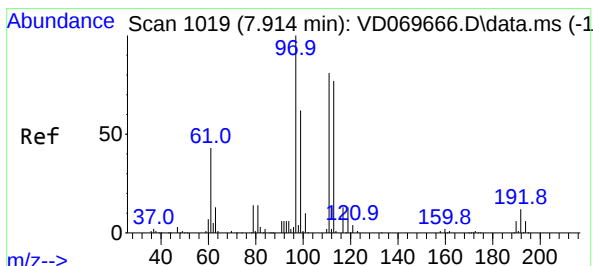
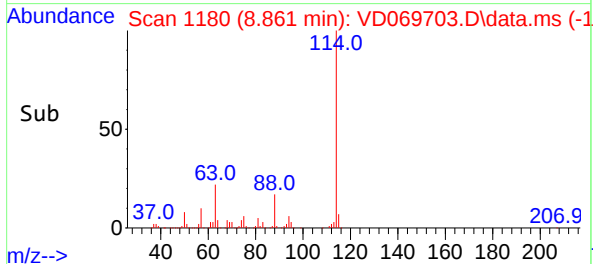
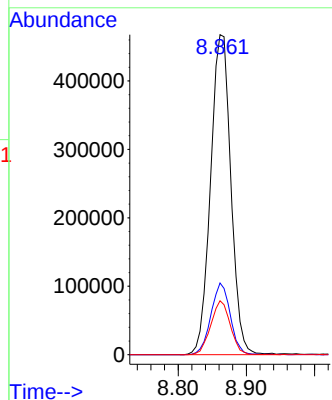
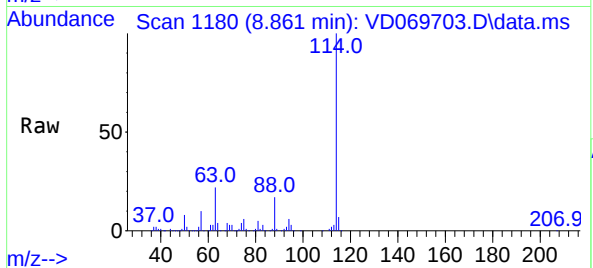


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Instrument :
MSVOA_D
ClientSampled :

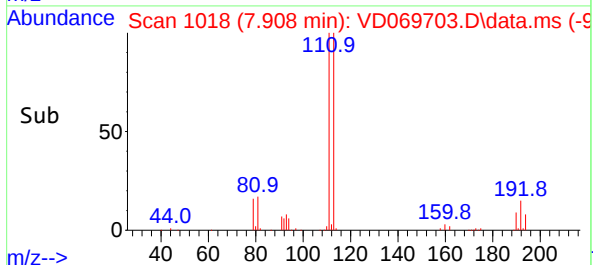
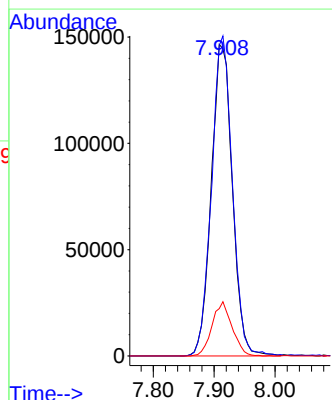
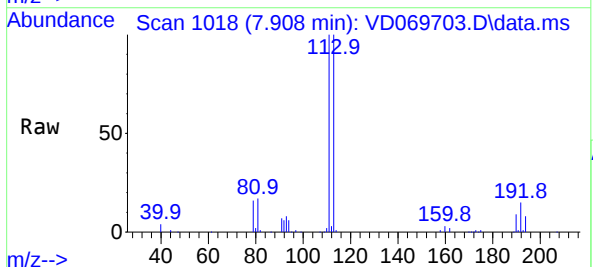
Tgt Ion:114 Resp: 970735
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.4
88 16.9 0.0 32.0

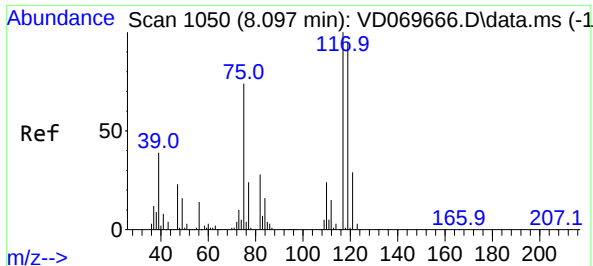


#35

Dibromofluoromethane
Concen: 54.086 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

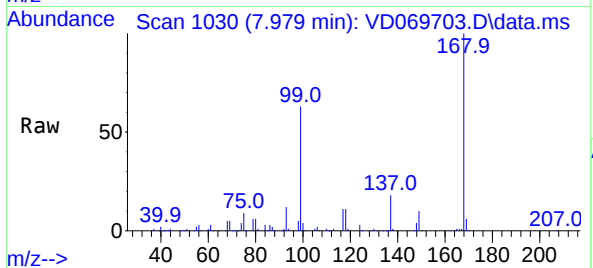
Tgt Ion:113 Resp: 352233
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 16.5 12.7 19.1



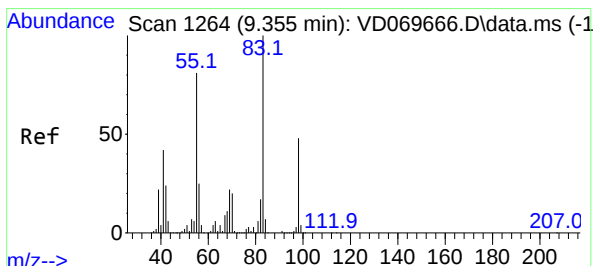
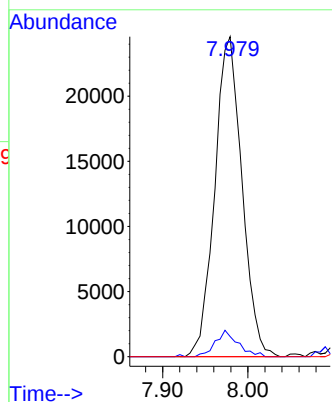
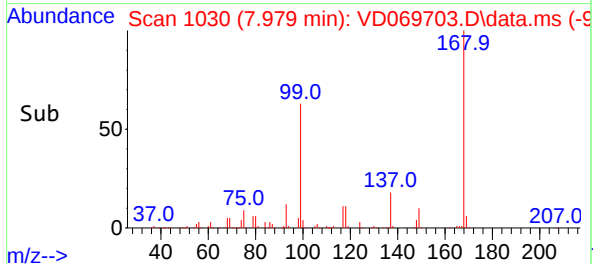


#38
Carbon Tetrachloride
Concen: 5.945 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

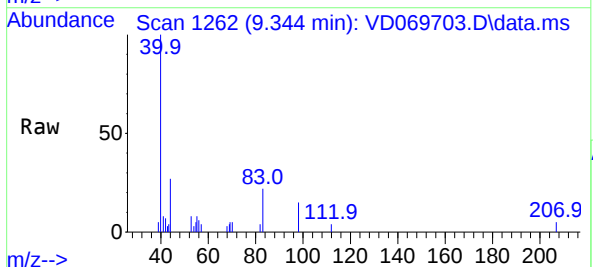
Instrument :
MSVOA_D
ClientSampled :



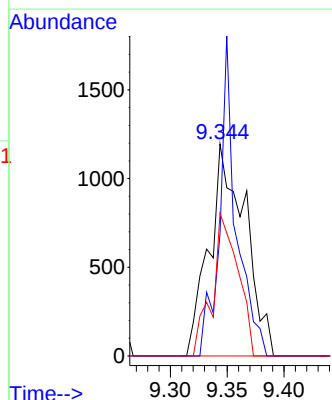
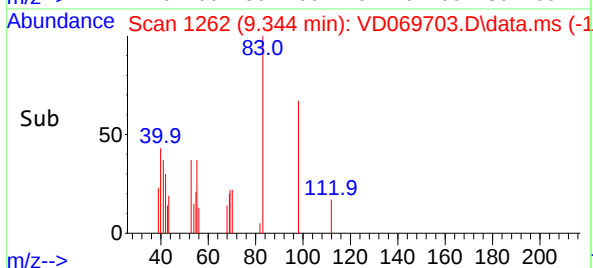
Tgt Ion:117 Resp: 54523
Ion Ratio Lower Upper
117 100
119 6.3 75.7 113.5#
121 0.0 23.0 34.6#

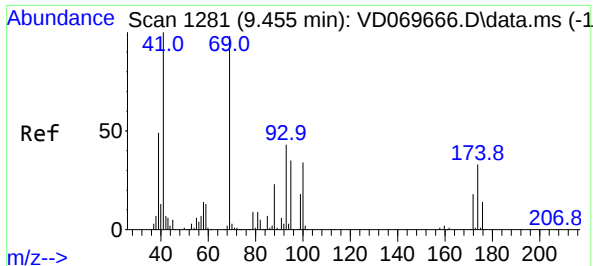


#39
Methylcyclohexane
Concen: 2.170 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.011 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57



Tgt Ion: 83 Resp: 2635
Ion Ratio Lower Upper
83 100
55 57.9 64.6 97.0#
98 67.4 38.4 57.6#





#48

Methyl methacrylate

Concen: 1.190 ug/l

RT: 9.444 min Scan# 1279

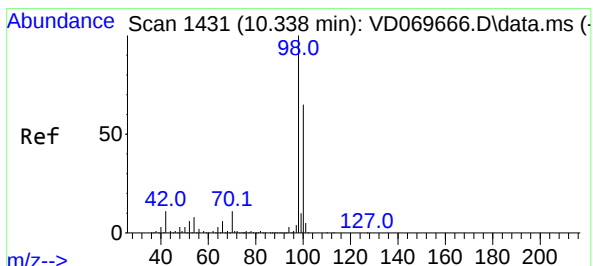
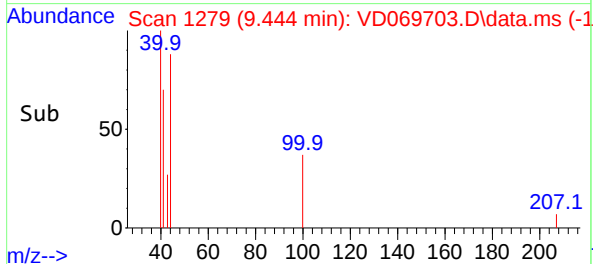
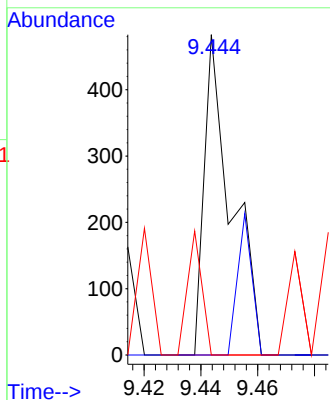
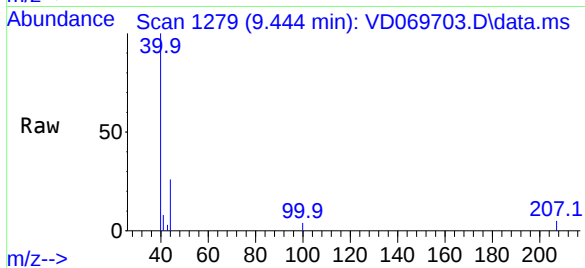
Delta R.T. -0.011 min

Lab File: VD069703.D

Acq: 15 Jul 2021 10:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	321
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	20.6	36.7	55.1#



#50

Toluene-d8

Concen: 49.798 ug/l

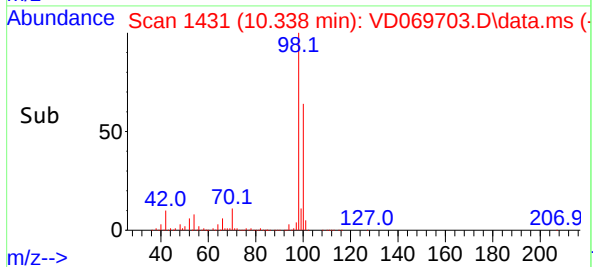
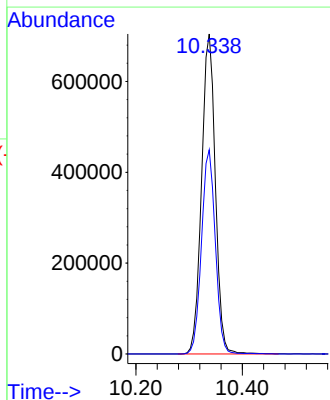
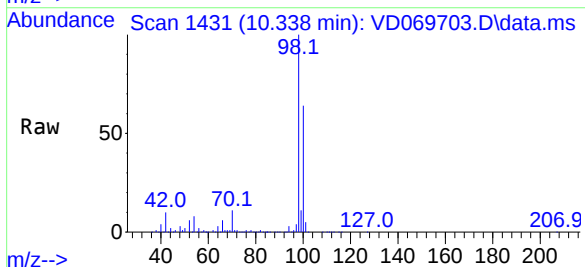
RT: 10.338 min Scan# 1431

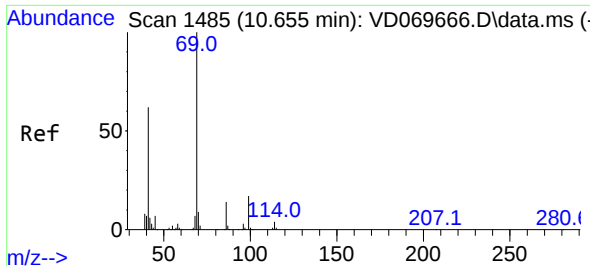
Delta R.T. -0.000 min

Lab File: VD069703.D

Acq: 15 Jul 2021 10:57

Tgt Ion:	98	Resp:	1259942
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2

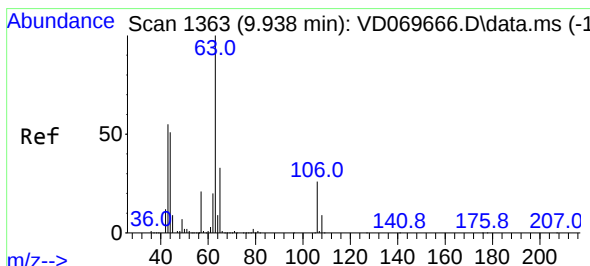
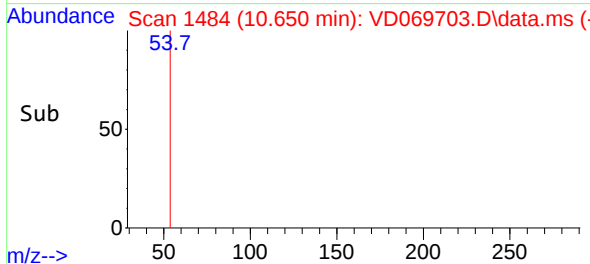
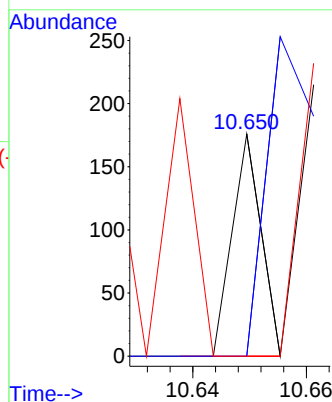
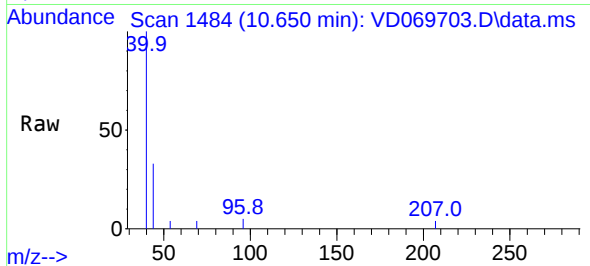




#56
Ethyl methacrylate
Concen: 1.674 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

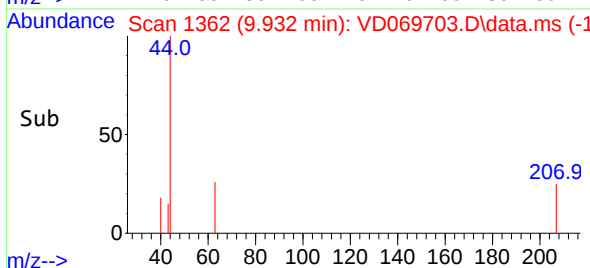
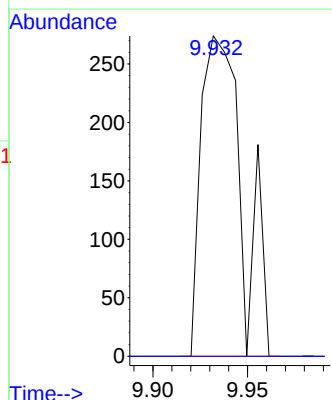
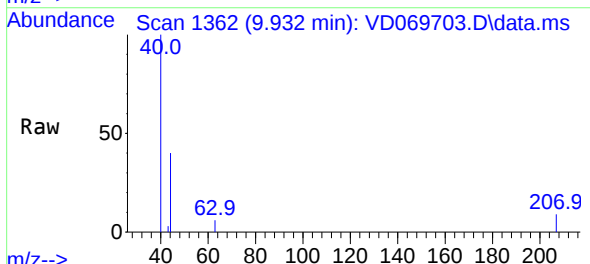
Instrument :
MSVOA_D
ClientSampled :

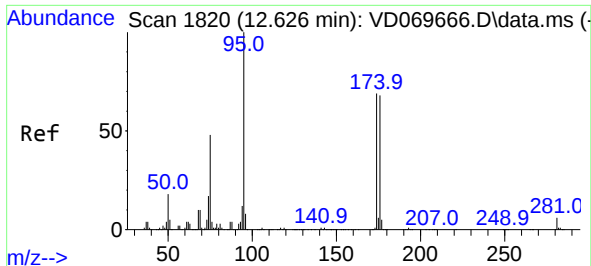
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 595.2 49.5 74.3#
39 219.4 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.496 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion: 63 Resp: 415
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

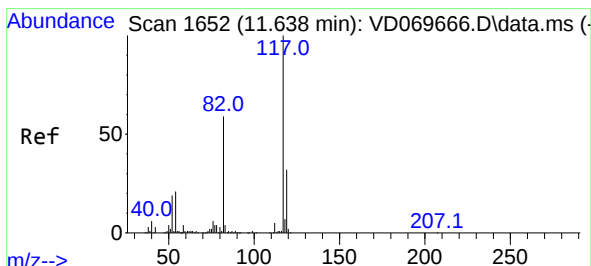
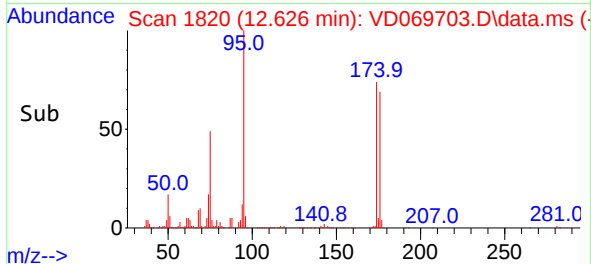
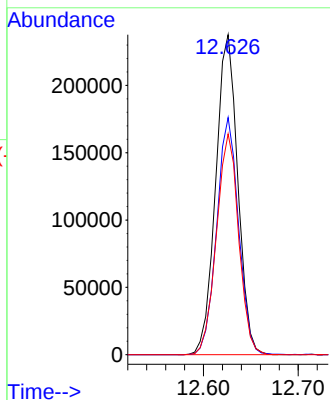
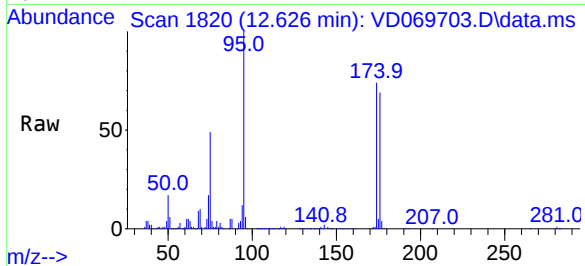




#62
4-Bromofluorobenzene
Concen: 45.537 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

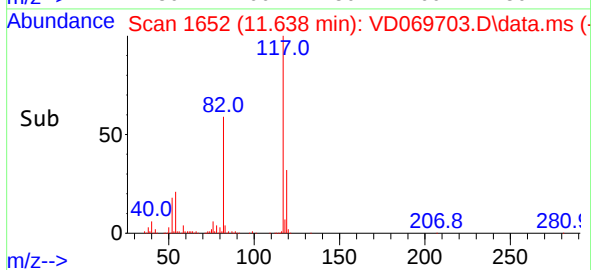
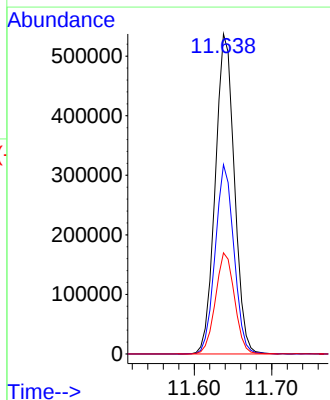
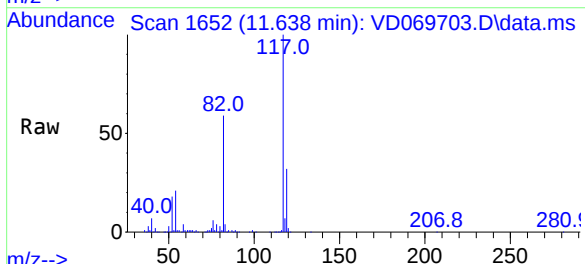
Instrument :
MSVOA_D
ClientSampleId :

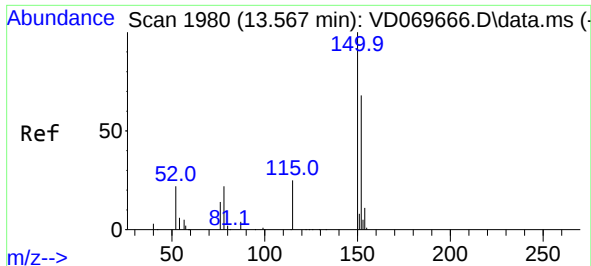
Tgt Ion: 95 Resp: 384245
Ion Ratio Lower Upper
95 100
174 73.7 0.0 140.0
176 69.3 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion: 117 Resp: 919569
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.6 25.5 38.3

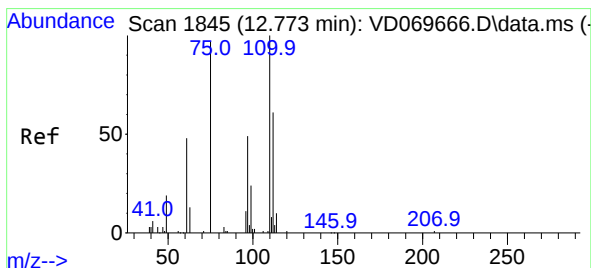
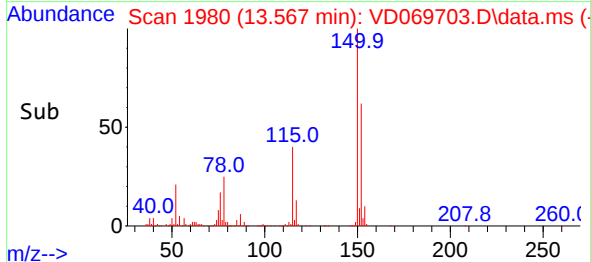
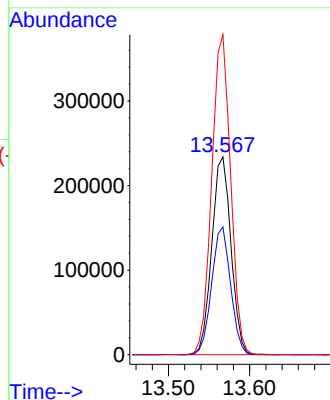
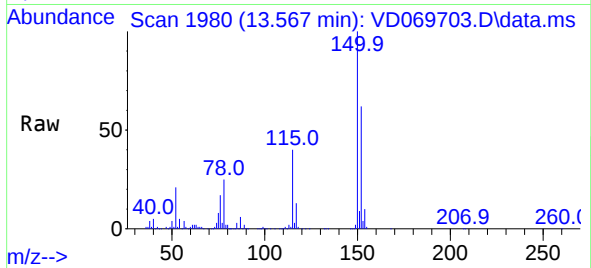




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

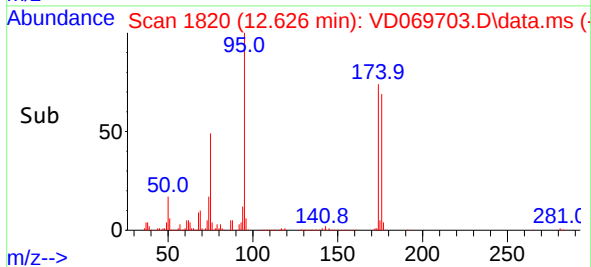
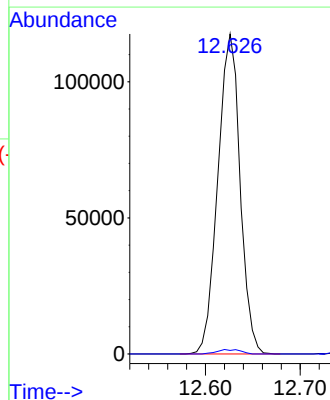
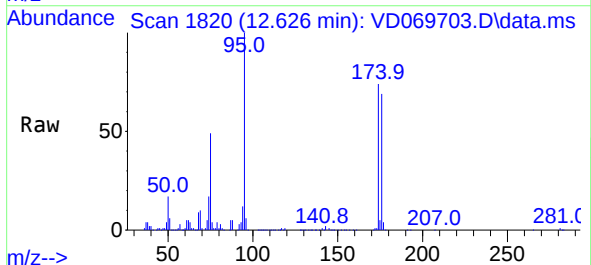
Instrument :
MSVOA_D
ClientSampled :

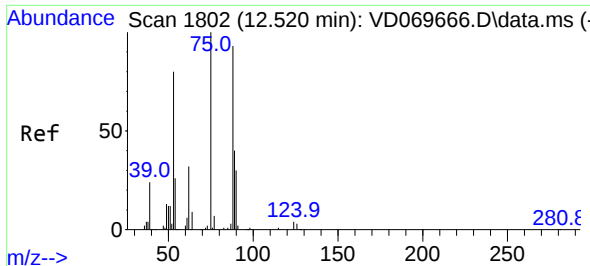
Tgt Ion:152 Resp: 384081
Ion Ratio Lower Upper
152 100
115 63.8 31.7 95.1
150 159.4 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 51.440 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion: 75 Resp: 191935
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

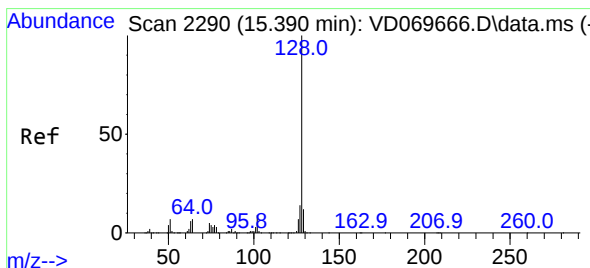
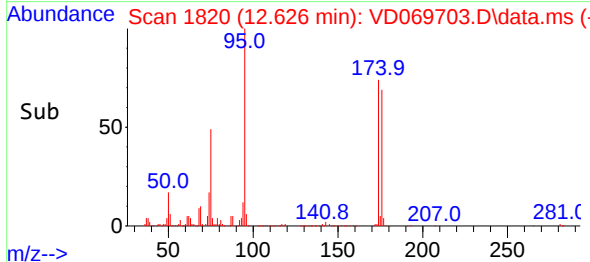
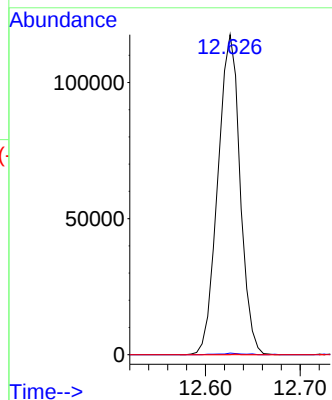
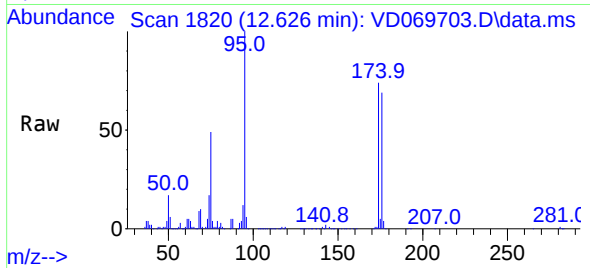




#81
trans-1,4-Dichloro-2-butene
Concen: 138.243 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 191935
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.496 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069703.D
Acq: 15 Jul 2021 10:57

Tgt Ion:128 Resp: 3696
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 1.6 8.8 13.2#

