

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069760.D
 Acq On : 20 Jul 2021 10:21
 Operator : VA/SY
 Sample : VD0720SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:22:20 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)

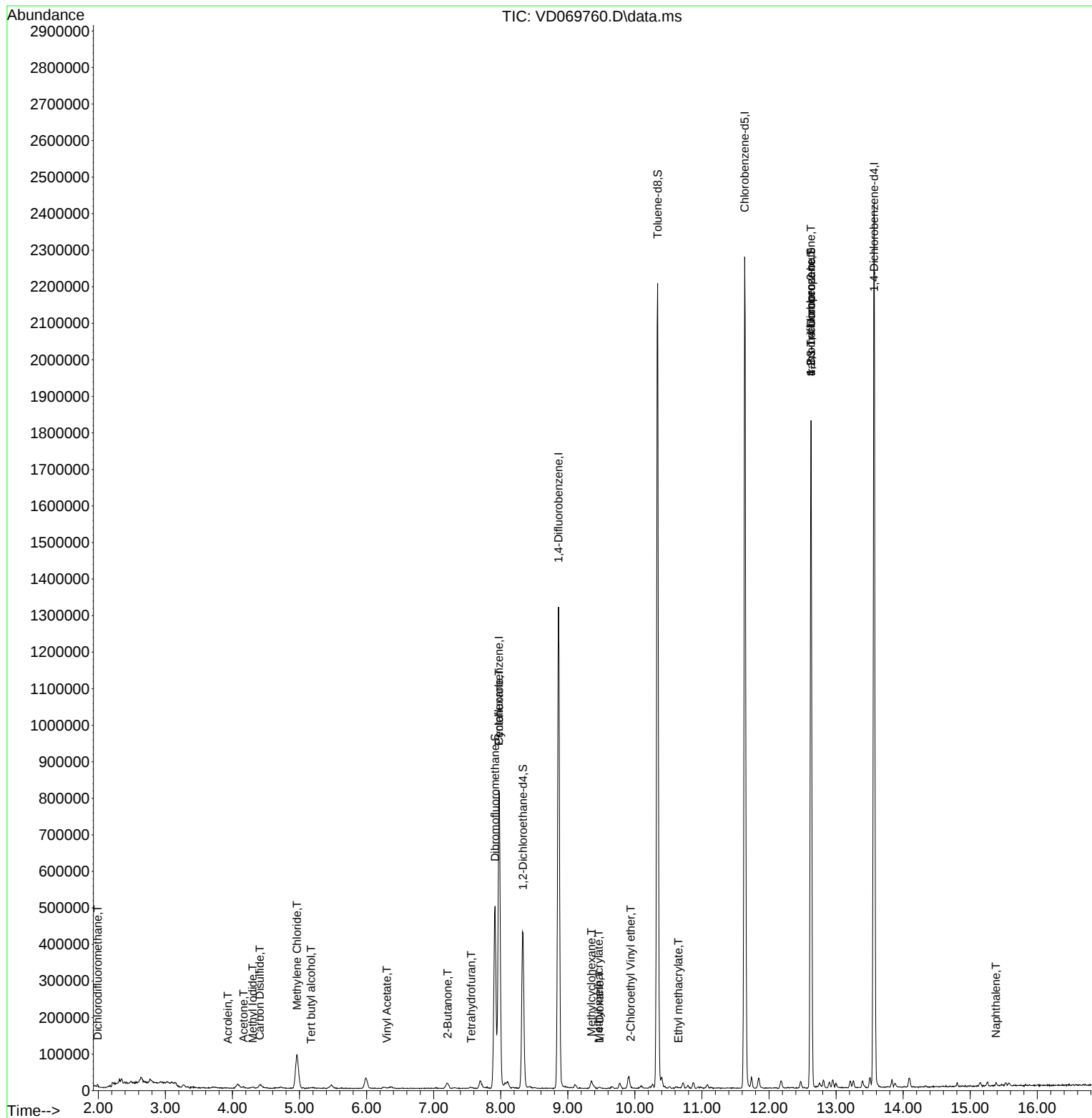
Internal Standards						
1) Pentafluorobenzene	7.973	168	568578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1105677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1295117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	620085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	333378	46.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.920%
35) Dibromofluoromethane	7.914	113	350384	47.236	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.480%
50) Toluene-d8	10.338	98	1505191	52.231	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.626	95	616122	64.105	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	4801	1.423	ug/l	84
5) Bromomethane	2.773	94	7618	Below Cal		88
10) Methyl Iodide	4.303	142	5227	3.171	ug/l #	94
11) Tert butyl alcohol	5.173	59	2024	2.134	ug/l #	90
13) Acrolein	3.932	56	728	1.487	ug/l #	15
16) Acetone	4.168	43	5561	16.496	ug/l	98
17) Carbon Disulfide	4.409	76	15212	1.125	ug/l	97
18) Methyl Acetate	4.726	43	1053	Below Cal	#	49
20) Methylene Chloride	4.962	84	73524	2.792	ug/l	97
23) Vinyl Acetate	6.303	43	1903	15.585	ug/l #	72
25) 2-Butanone	7.209	43	2069	1.233	ug/l #	84
29) Tetrahydrofuran	7.561	42	1371	1.319	ug/l #	64
31) Cyclohexane	7.973	56	19462	2.003	ug/l #	1
39) Methylcyclohexane	9.350	83	7792	2.508	ug/l	95
48) Methyl methacrylate	9.461	41	896	1.316	ug/l #	62
49) 1,4-Dioxane	9.473	88	82	102.671	ug/l #	1
56) Ethyl methacrylate	10.650	69	1147	1.812	ug/l #	74
58) 2-Chloroethyl Vinyl ether	9.938	63	1178	9.698	ug/l #	84
76) 1,2,3-Trichloropropane	12.626	75	308736	51.251	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	308736	137.736	ug/l #	14
95) Naphthalene	15.385	128	6869	2.540	ug/l	99

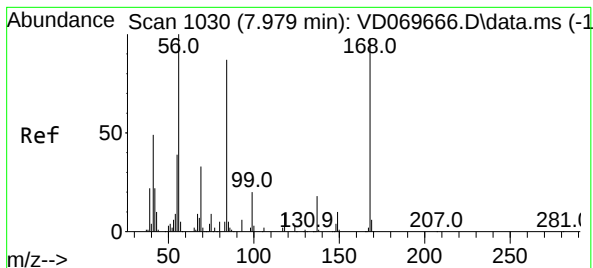
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jul 21 03:22:20 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



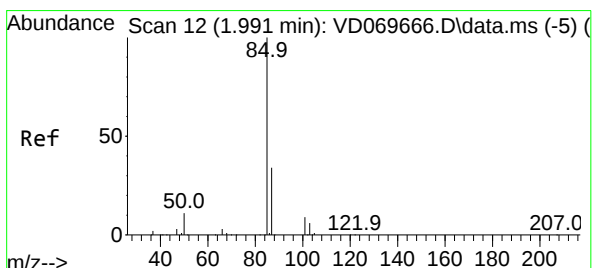
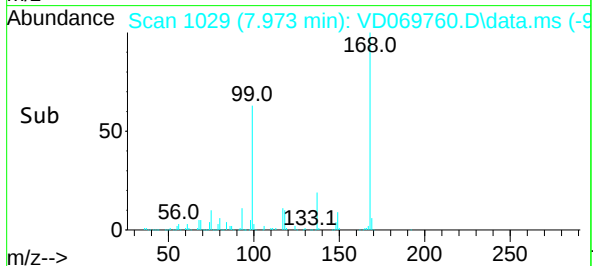
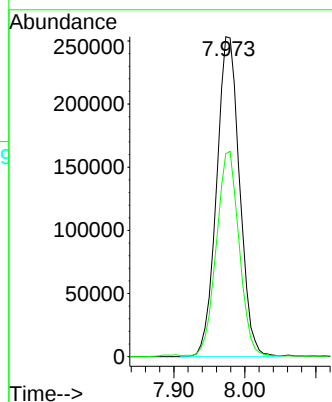
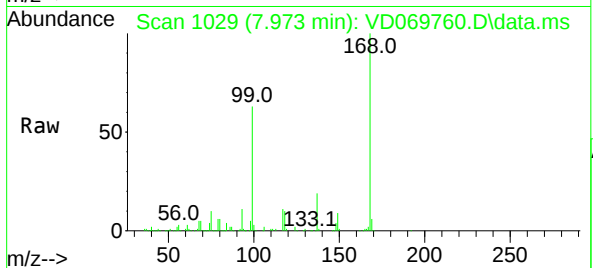


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.006 min
 Lab File: VD069760.D
 Acq: 20 Jul 2021 10:21

Instrument :
 MSVOA_D
 ClientSampled :

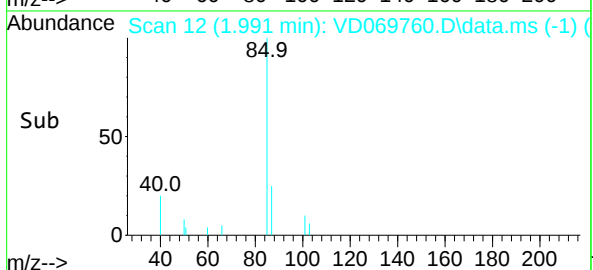
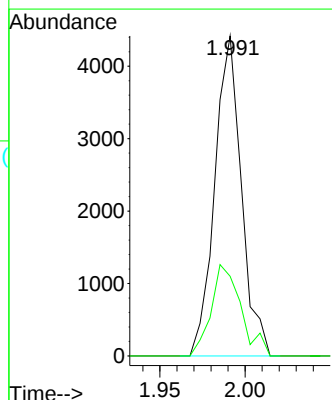
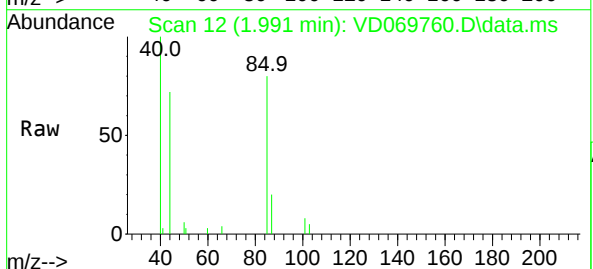
Tgt Ion:168 Resp: 568578
 Ion Ratio Lower Upper
 168 100
 99 63.1 51.8 77.6

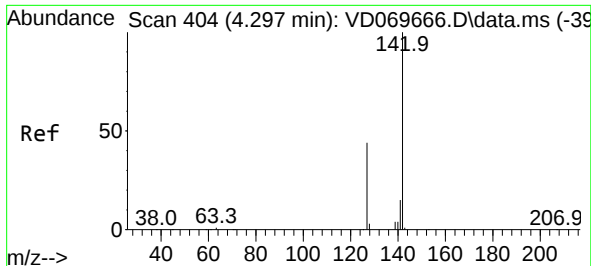


#2

Dichlorodifluoromethane
 Concen: 1.423 ug/l
 RT: 1.991 min Scan# 12
 Delta R.T. 0.000 min
 Lab File: VD069760.D
 Acq: 20 Jul 2021 10:21

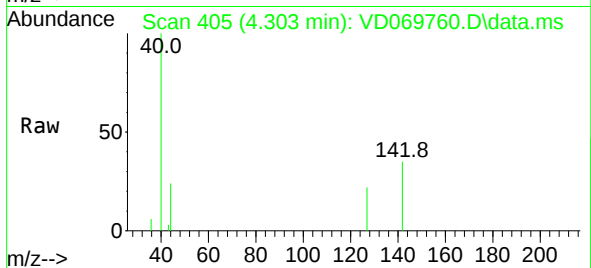
Tgt Ion: 85 Resp: 4801
 Ion Ratio Lower Upper
 85 100
 87 24.9 17.0 51.0



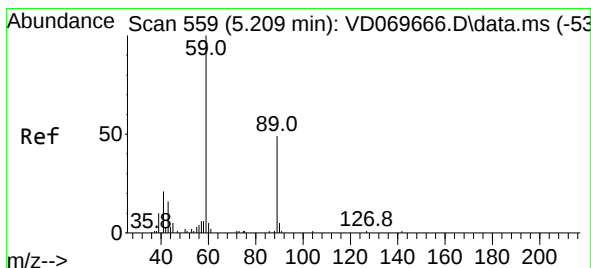
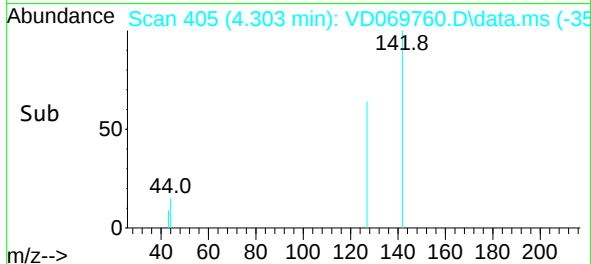
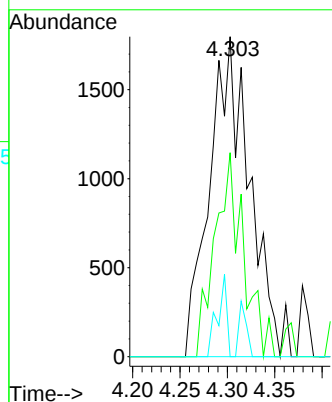


#10
Methyl Iodide
Concen: 3.171 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Instrument :
MSVOA_D
ClientSampled :

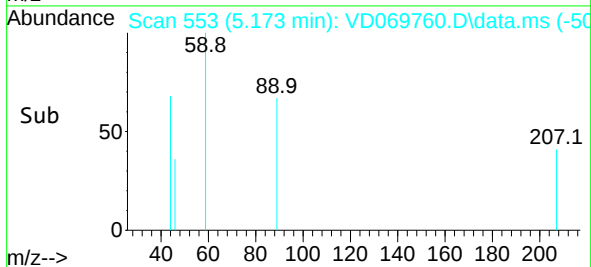
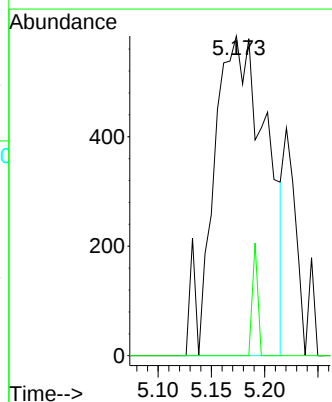
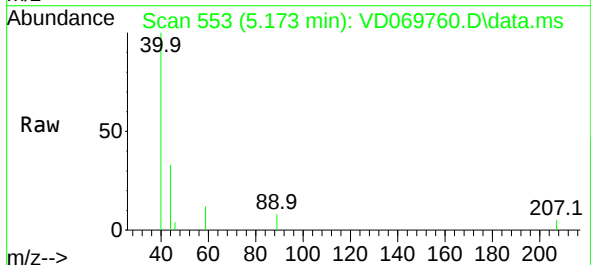


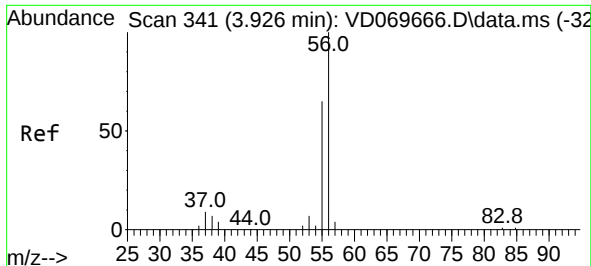
Tgt Ion:142 Resp: 5227
Ion Ratio Lower Upper
142 100
127 45.8 36.1 54.1
141 6.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.134 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion: 59 Resp: 2024
Ion Ratio Lower Upper
59 100
57 3.6 5.7 8.5#

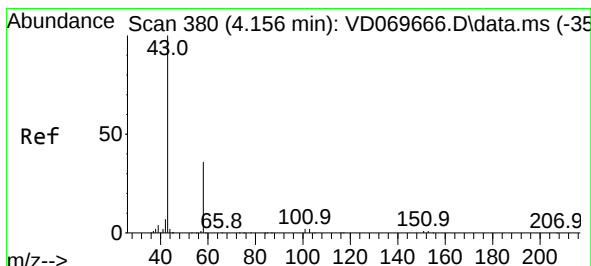
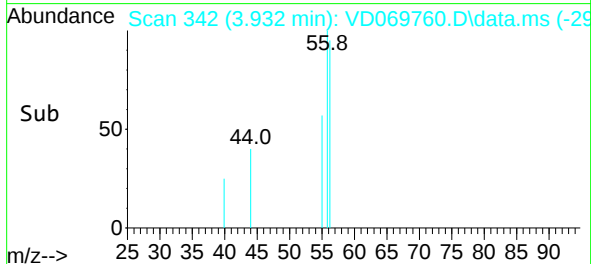
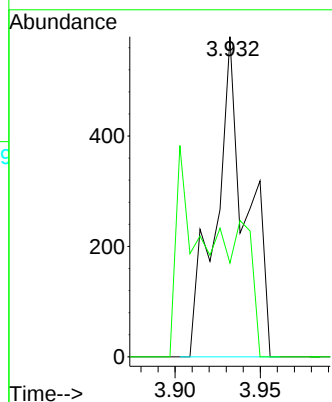
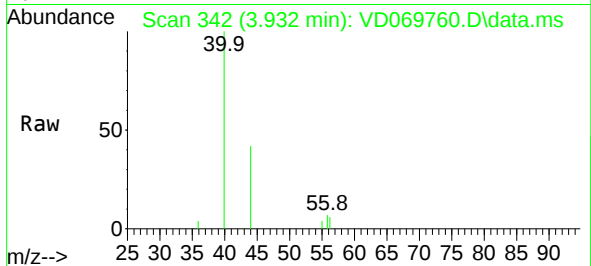




#13
Acrolein
Concen: 1.487 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

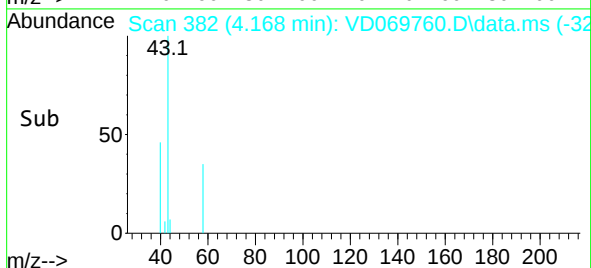
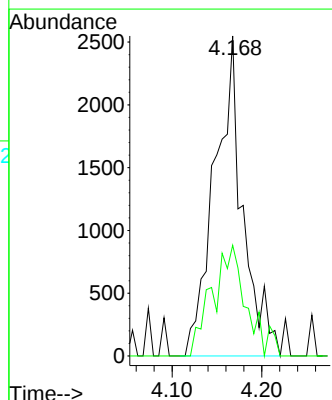
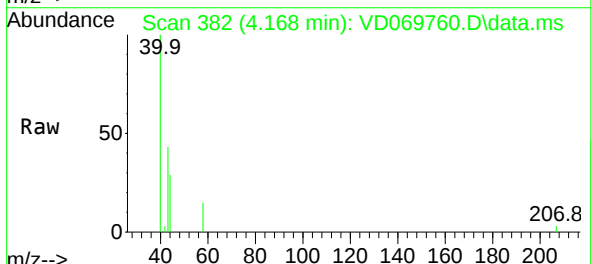
Instrument :
MSVOA_D
ClientSampled :

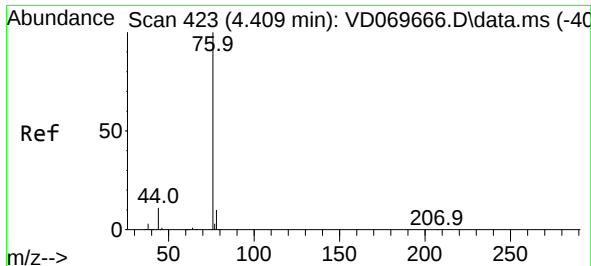
Tgt Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 16.496 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion: 43 Resp: 5561
Ion Ratio Lower Upper
43 100
58 34.6 28.6 42.8

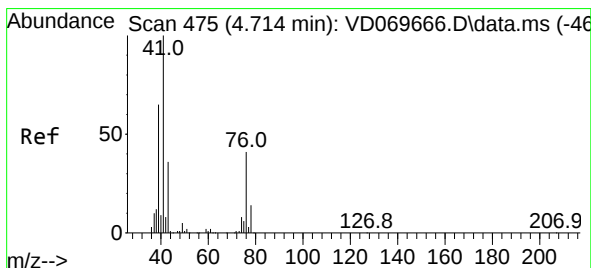
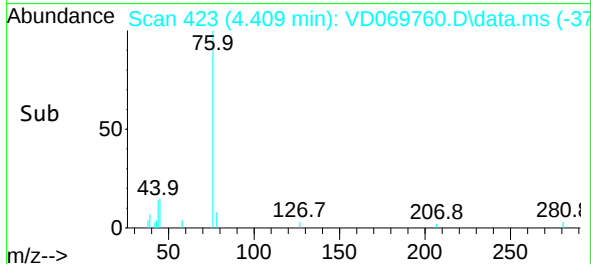
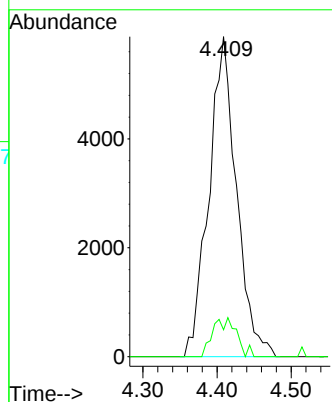
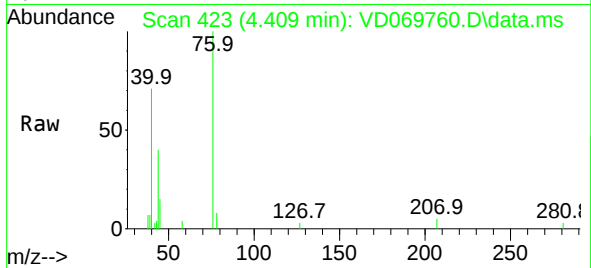




#17
Carbon Disulfide
Concen: 1.125 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

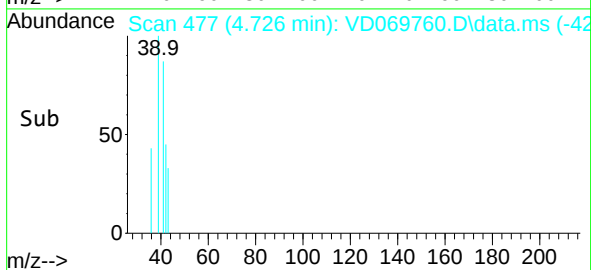
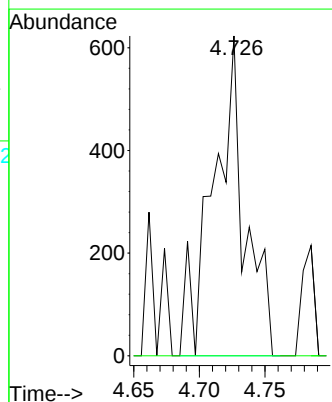
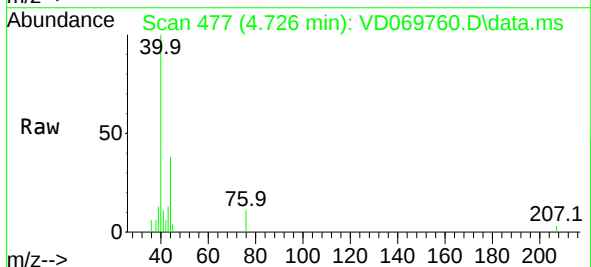
Instrument :
MSVOA_D
ClientSampleId :

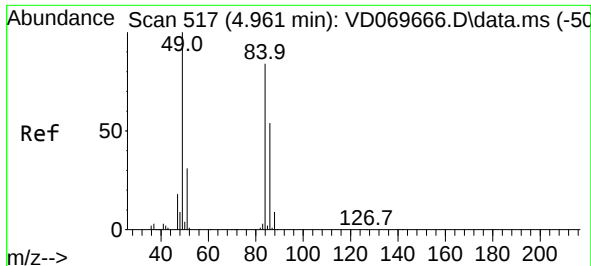
Tgt Ion: 76 Resp: 15212
Ion Ratio Lower Upper
76 100
78 8.4 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

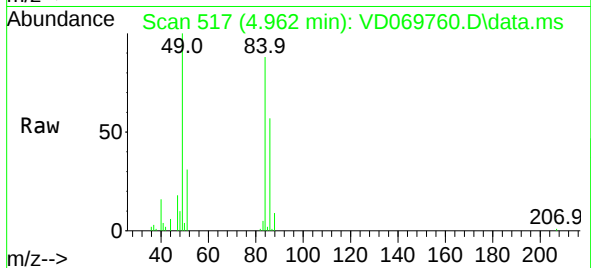
Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



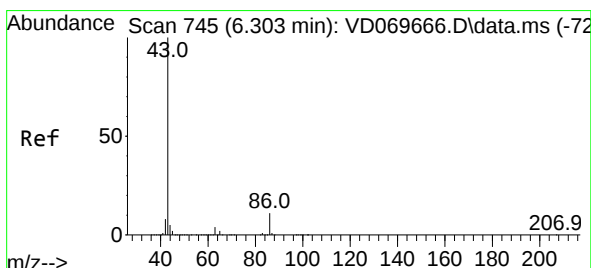
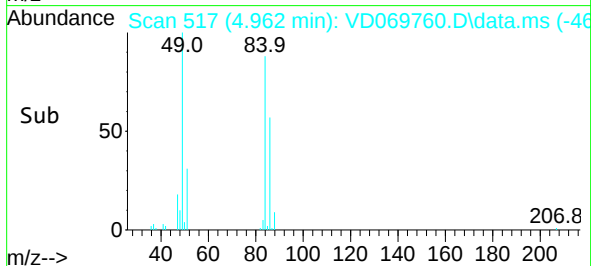
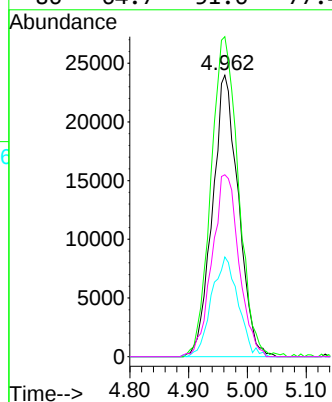


#20
Methylene Chloride
Concen: 2.792 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Instrument :
MSVOA_D
ClientSampled :

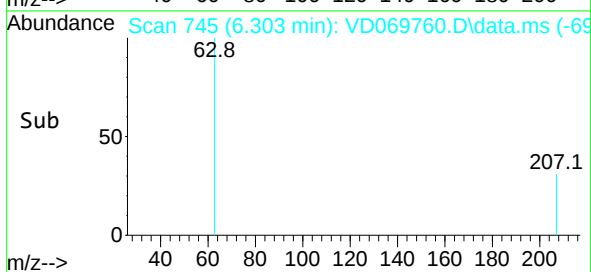
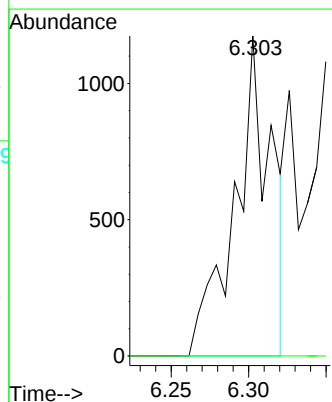
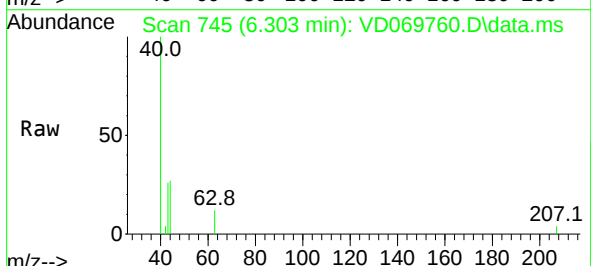


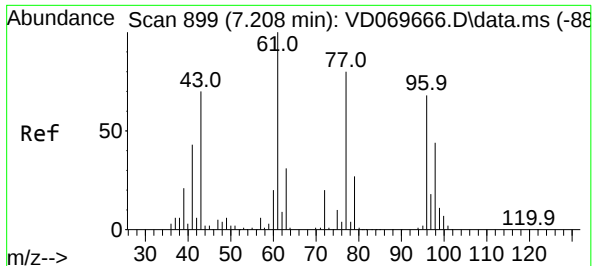
Tgt Ion:	84	Resp:	73524
Ion	Ratio	Lower	Upper
84	100		
49	113.7	95.5	143.3
51	35.4	29.7	44.5
86	64.7	51.6	77.4



#23
Vinyl Acetate
Concen: 15.585 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion:	43	Resp:	1903
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

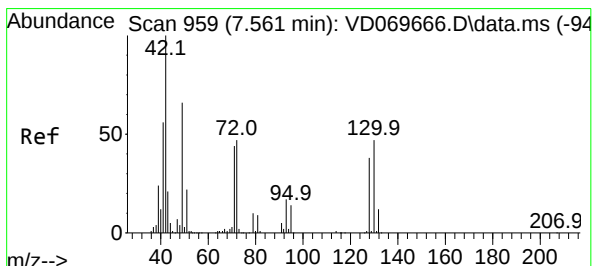
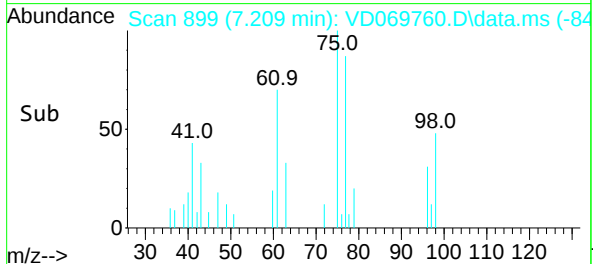
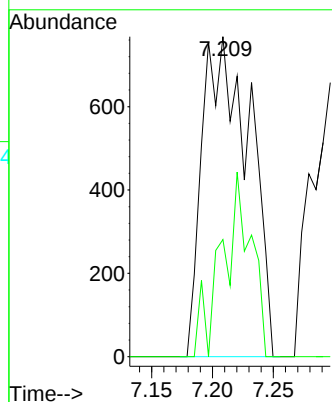
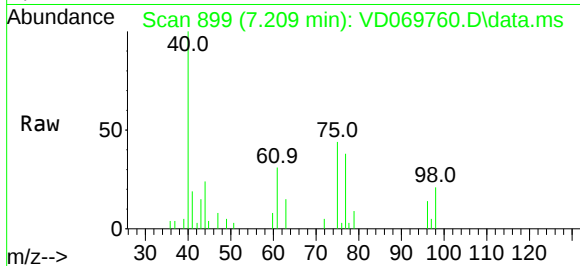




#25
2-Butanone
Concen: 1.233 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

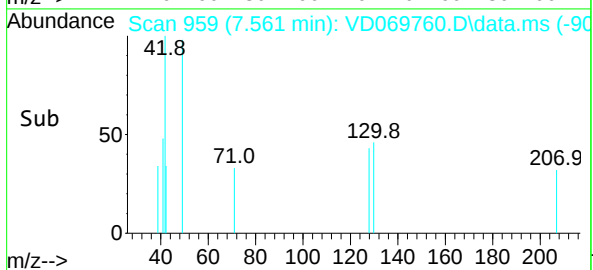
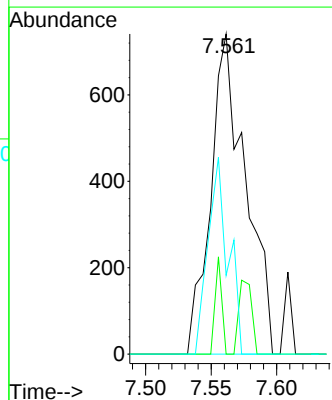
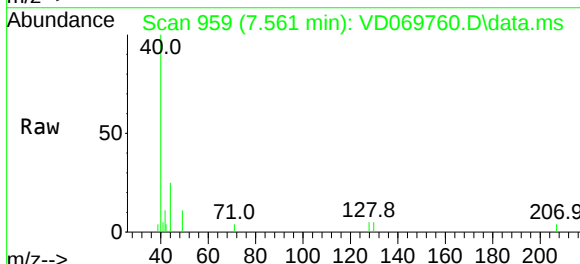
Instrument :
MSVOA_D
ClientSampled :

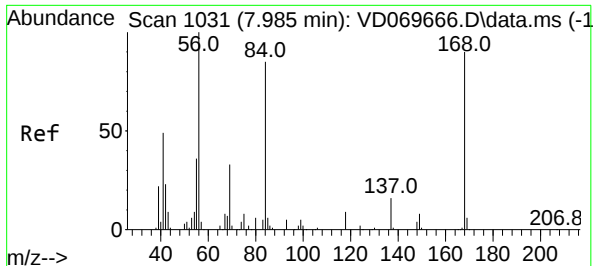
Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
72 36.6 22.6 33.8#



#29
Tetrahydrofuran
Concen: 1.319 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

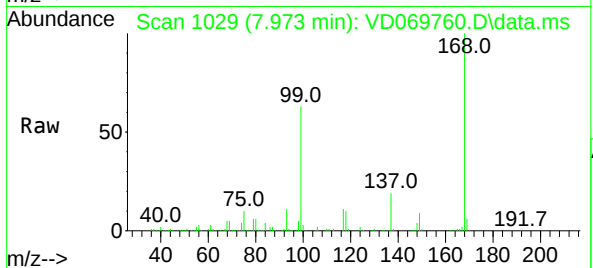
Tgt Ion: 42 Resp: 1371
Ion Ratio Lower Upper
42 100
72 5.8 36.5 54.7#
71 35.4 33.4 50.0



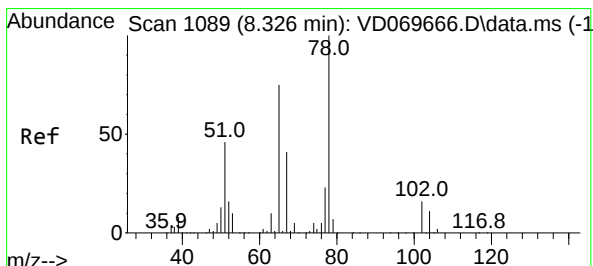
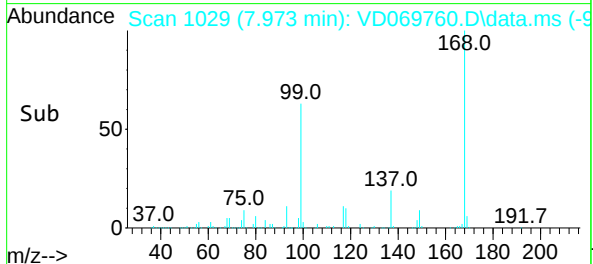
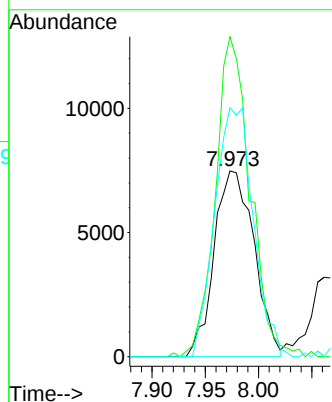


#31
Cyclohexane
Concen: 2.003 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Instrument :
MSVOA_D
ClientSampled :

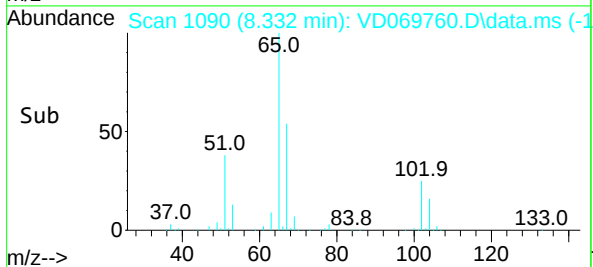
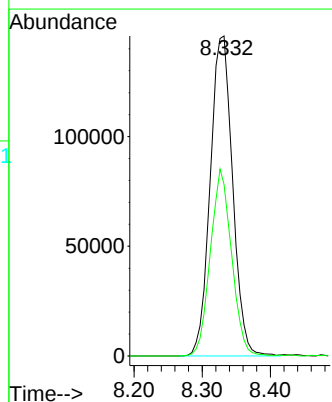
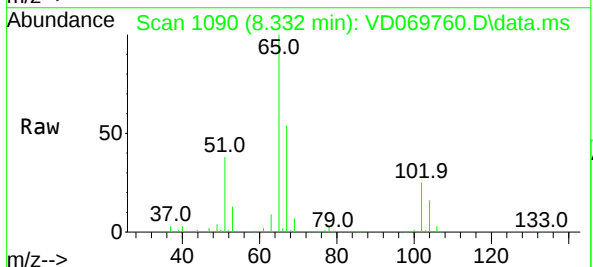


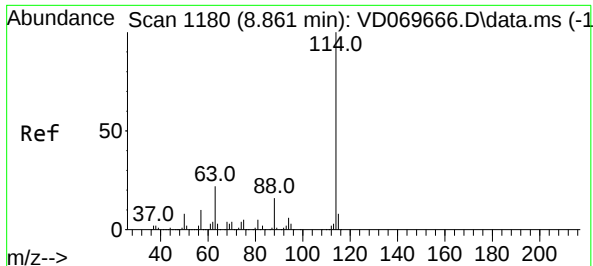
Tgt Ion: 56 Resp: 19462
Ion Ratio Lower Upper
56 100
69 172.2 26.6 39.8#
84 133.9 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 46.958 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion: 65 Resp: 333378
Ion Ratio Lower Upper
65 100
67 55.4 0.0 107.2

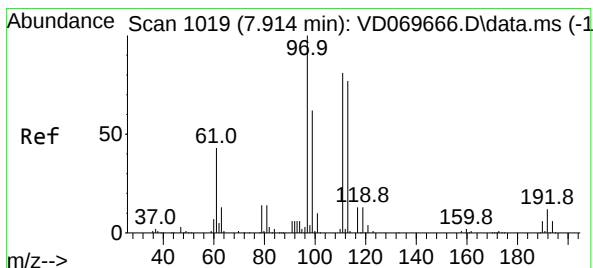
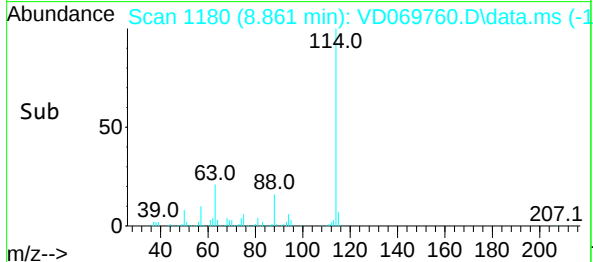
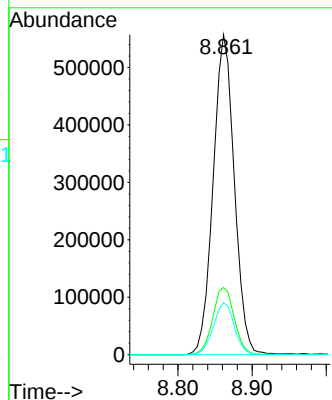
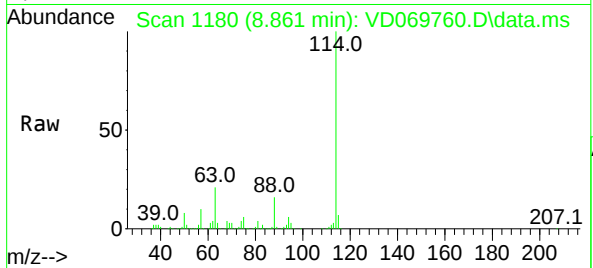




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

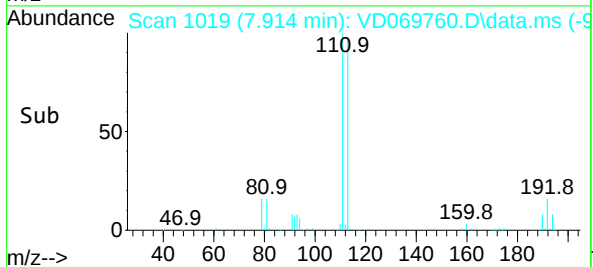
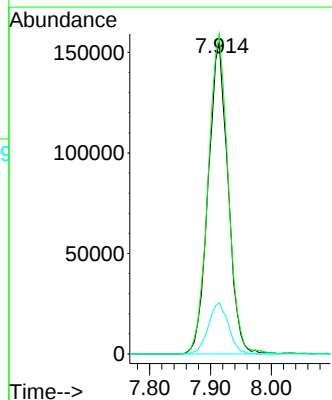
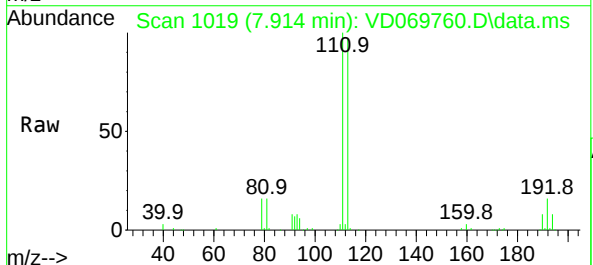
Instrument :
MSVOA_D
ClientSampleId :

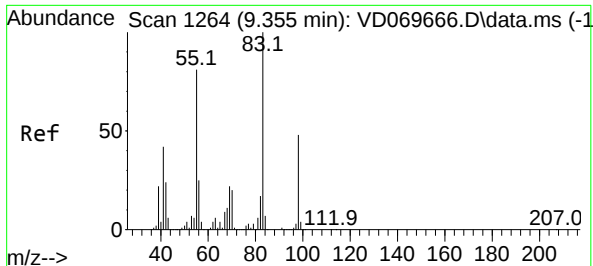
Tgt Ion:114 Resp: 1105677
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.4
88 16.3 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.236 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion:113 Resp: 350384
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 16.7 12.7 19.1





#39

Methylcyclohexane

Concen: 2.508 ug/l

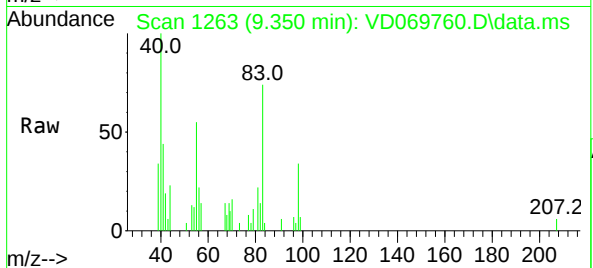
RT: 9.350 min Scan# 1263

Delta R.T. -0.005 min

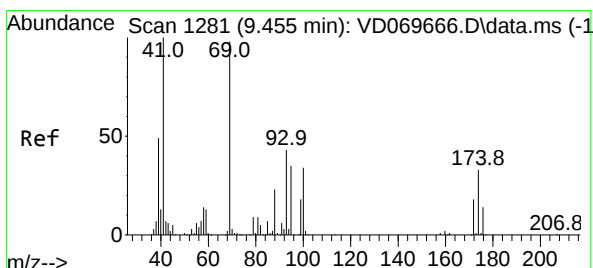
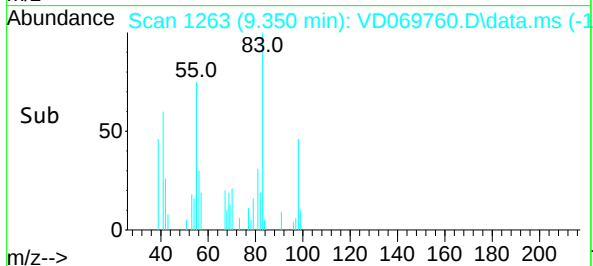
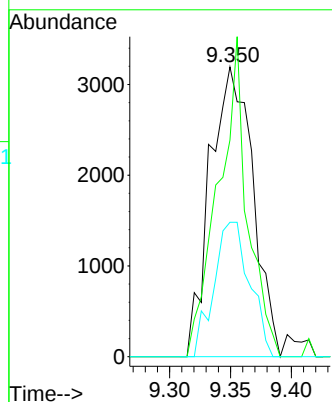
Lab File: VD069760.D

Acq: 20 Jul 2021 10:21

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 83	Resp: 7792		
Ion Ratio	Lower	Upper	
83 100			
55 74.8	64.6	97.0	
98 46.4	38.4	57.6	



#48

Methyl methacrylate

Concen: 1.316 ug/l

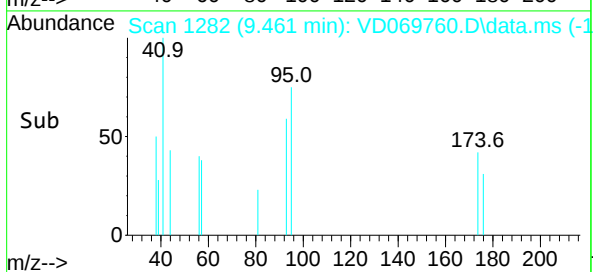
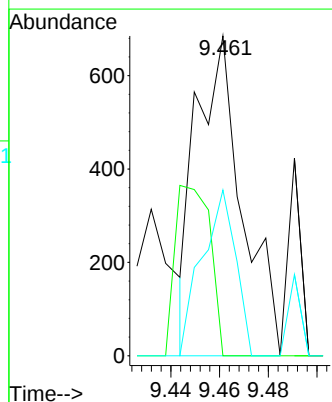
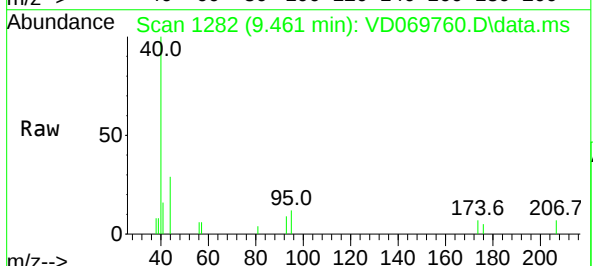
RT: 9.461 min Scan# 1282

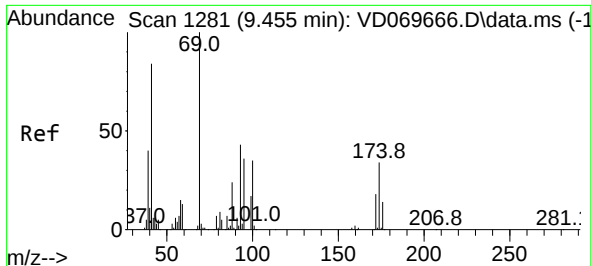
Delta R.T. 0.006 min

Lab File: VD069760.D

Acq: 20 Jul 2021 10:21

Tgt Ion: 41	Resp: 896
Ion Ratio	Lower Upper
41 100	
69 40.7	71.6 107.4#
39 38.3	36.7 55.1

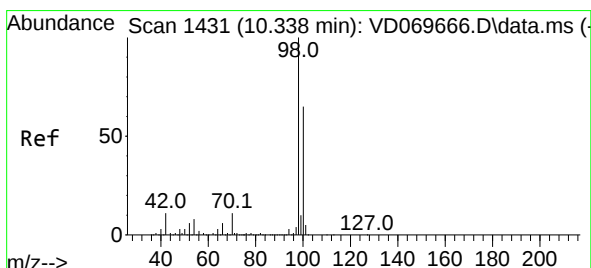
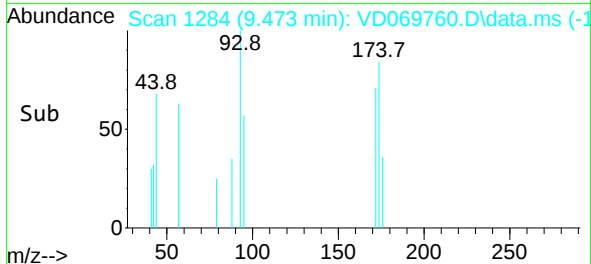
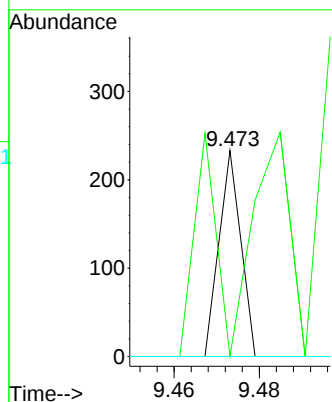
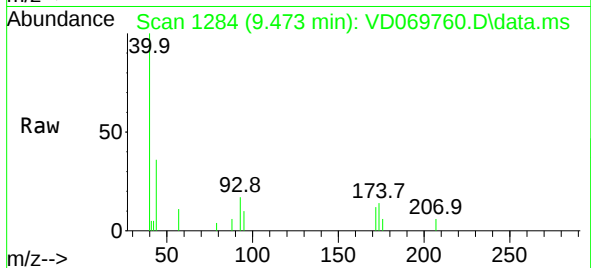




#49
1,4-Dioxane
Concen: 102.671 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.018 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

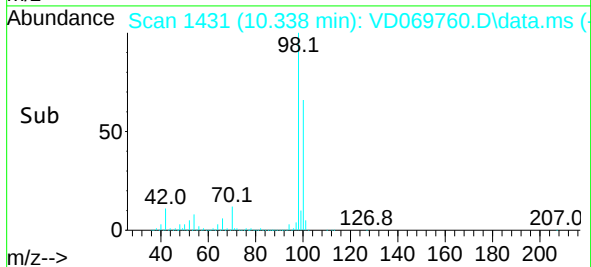
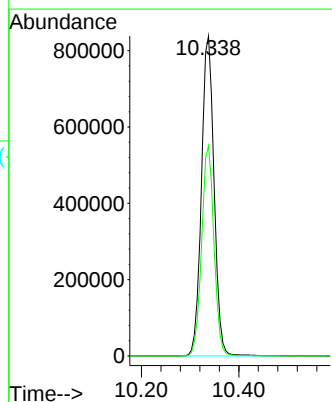
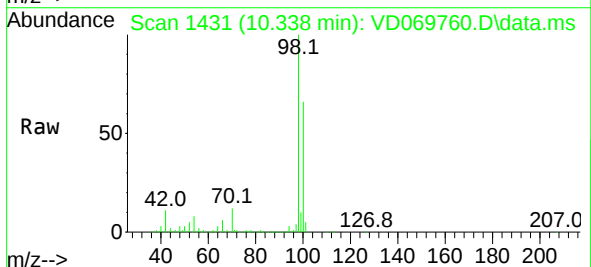
Instrument :
MSVOA_D
ClientSampled :

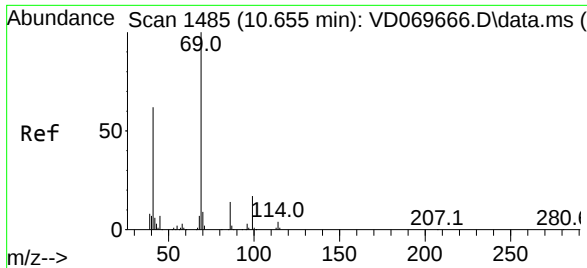
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 108.5 25.3 37.9#
58 0.0 62.6 94.0#



#50
Toluene-d8
Concen: 52.231 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion: 98 Resp: 1505191
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

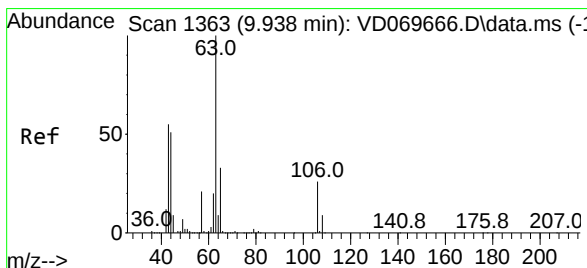
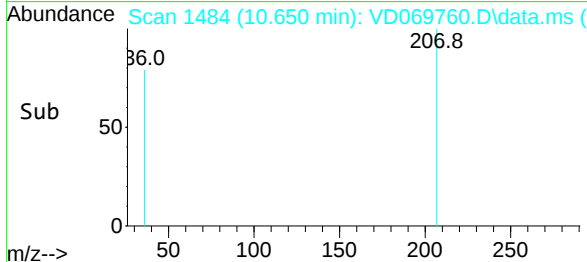
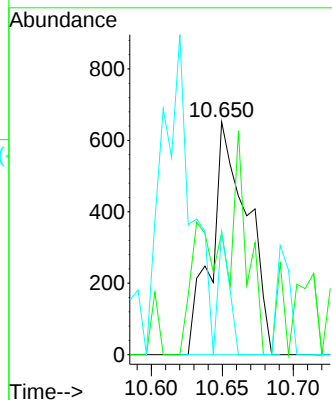
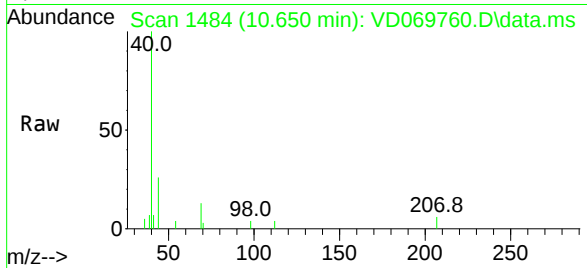




#56
Ethyl methacrylate
Concen: 1.812 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

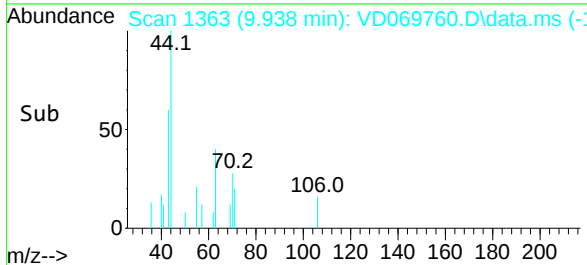
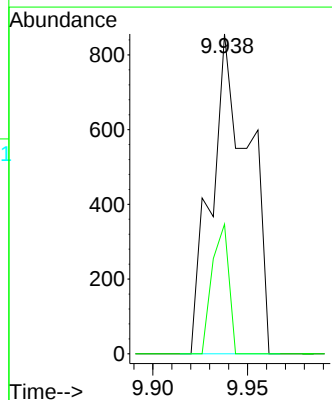
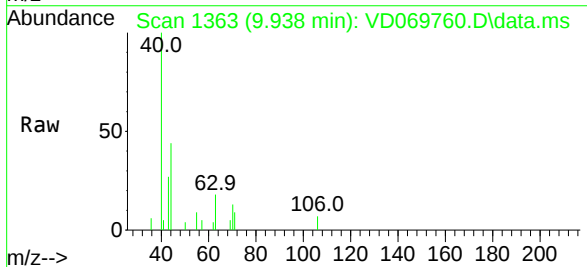
Instrument :
MSVOA_D
ClientSampleId :

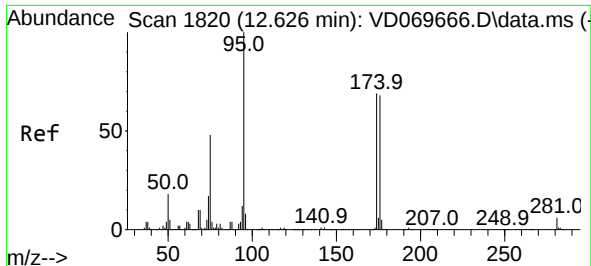
Tgt Ion: 69 Resp: 1147
Ion Ratio Lower Upper
69 100
41 51.4 49.5 74.3
39 0.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.698 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion: 63 Resp: 1178
Ion Ratio Lower Upper
63 100
106 18.0 21.1 31.7#

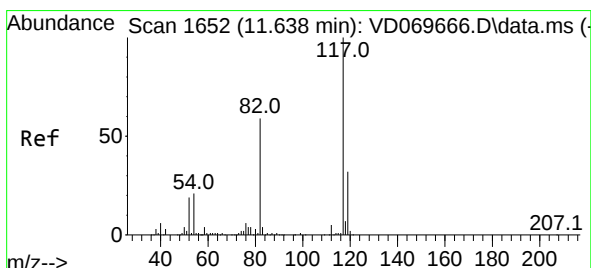
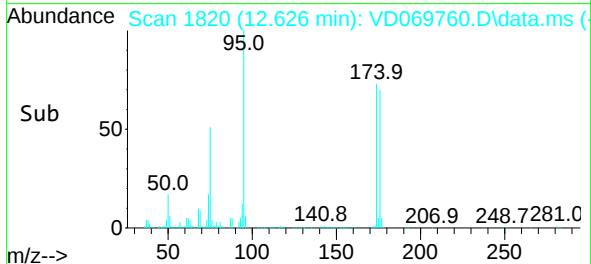
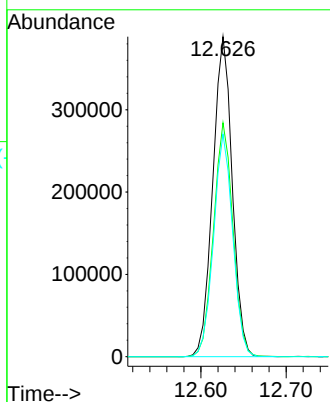
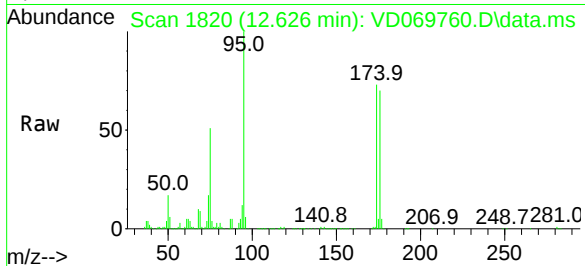




#62
4-Bromofluorobenzene
Concen: 64.105 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

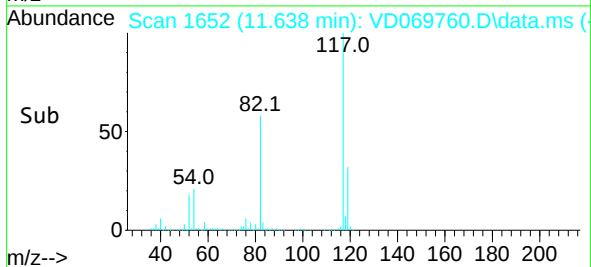
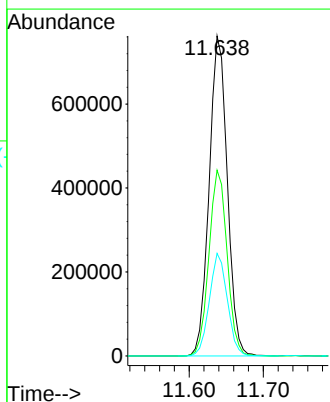
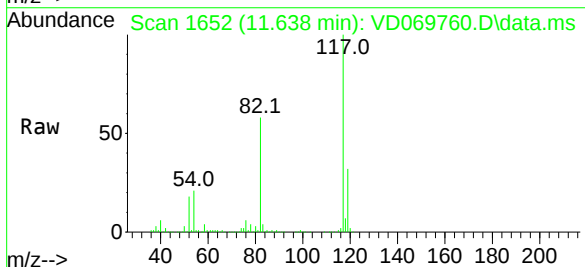
Instrument :
MSVOA_D
ClientSampleId :

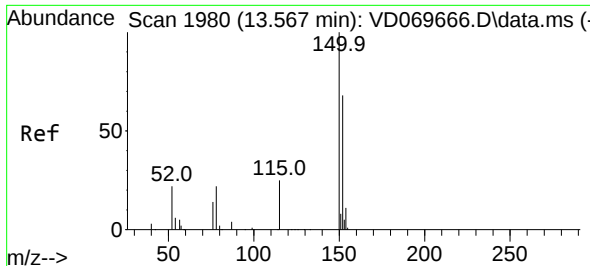
Tgt Ion: 95 Resp: 616122
Ion Ratio Lower Upper
95 100
174 73.1 0.0 140.0
176 68.6 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

Tgt Ion: 117 Resp: 1295117
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.1 25.5 38.3

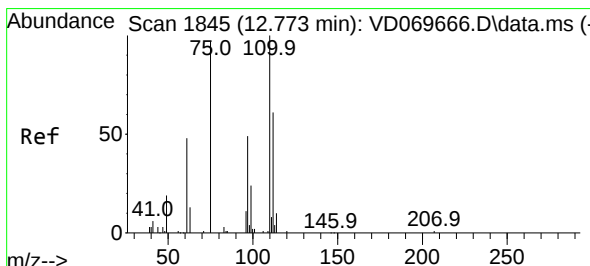
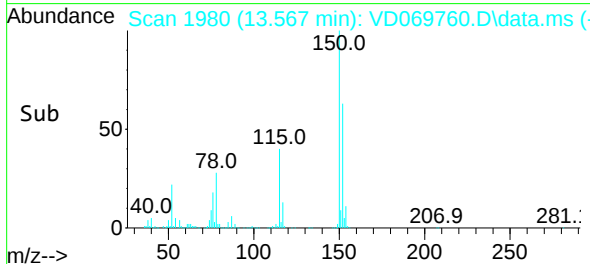
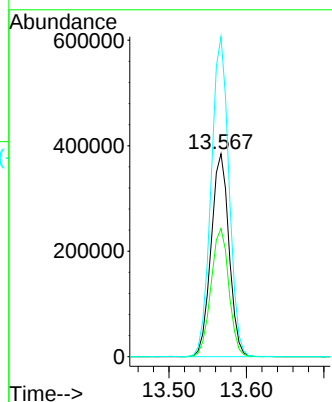
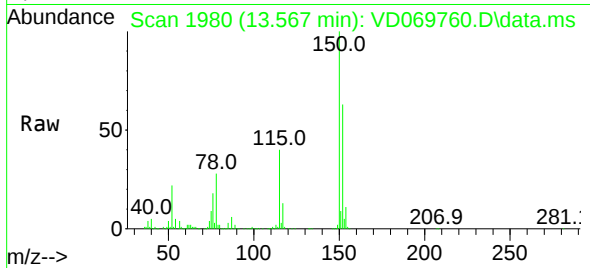




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

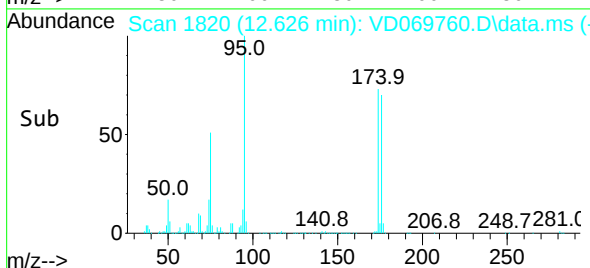
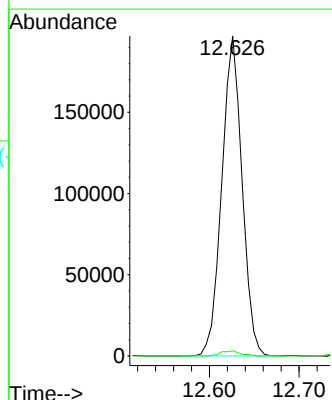
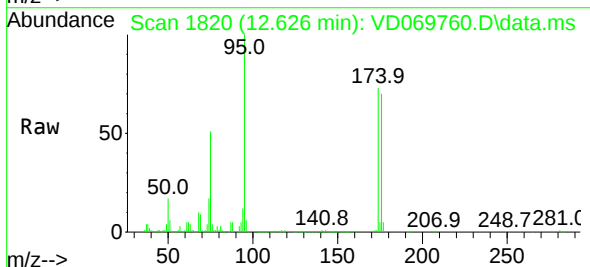
Instrument :
MSVOA_D
ClientSampleId :

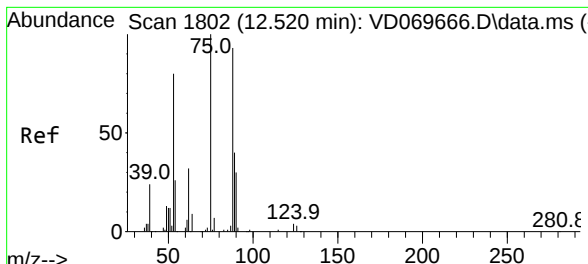
Tgt Ion:152 Resp: 620085
Ion Ratio Lower Upper
152 100
115 63.0 31.7 95.1
150 156.6 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 51.251 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

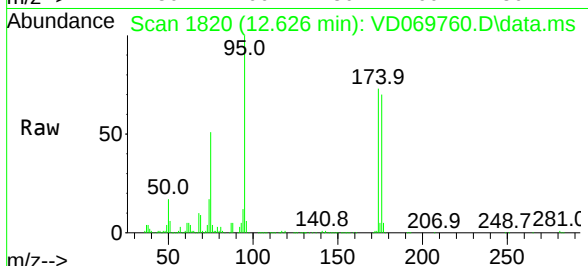
Tgt Ion: 75 Resp: 308736
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



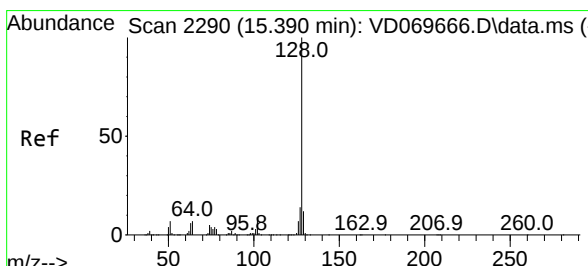
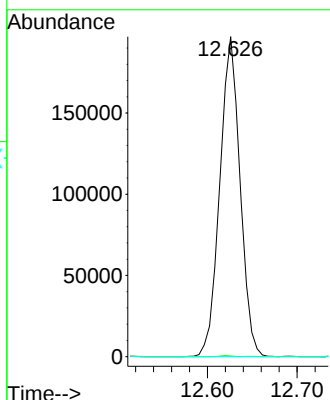
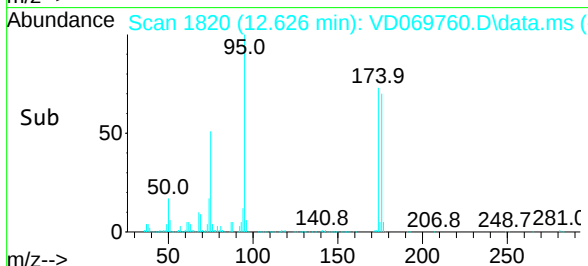


#81
trans-1,4-Dichloro-2-butene
Concen: 137.736 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21

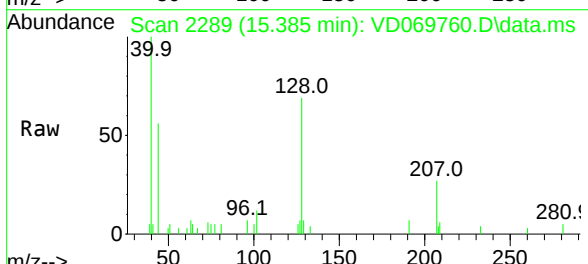
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	308736
Ion Ratio	Lower	Upper	
75	100		
53	0.2	70.6	106.0#
89	0.0	35.1	52.7#



#95
Naphthalene
Concen: 2.540 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069760.D
Acq: 20 Jul 2021 10:21



Tgt Ion:	128	Resp:	6869
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	10.6	8.8	13.2

