

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069670.D
 Acq On : 13 Jul 2021 15:01
 Operator : VA/SY
 Sample : VD0713SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 06:06:31 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)

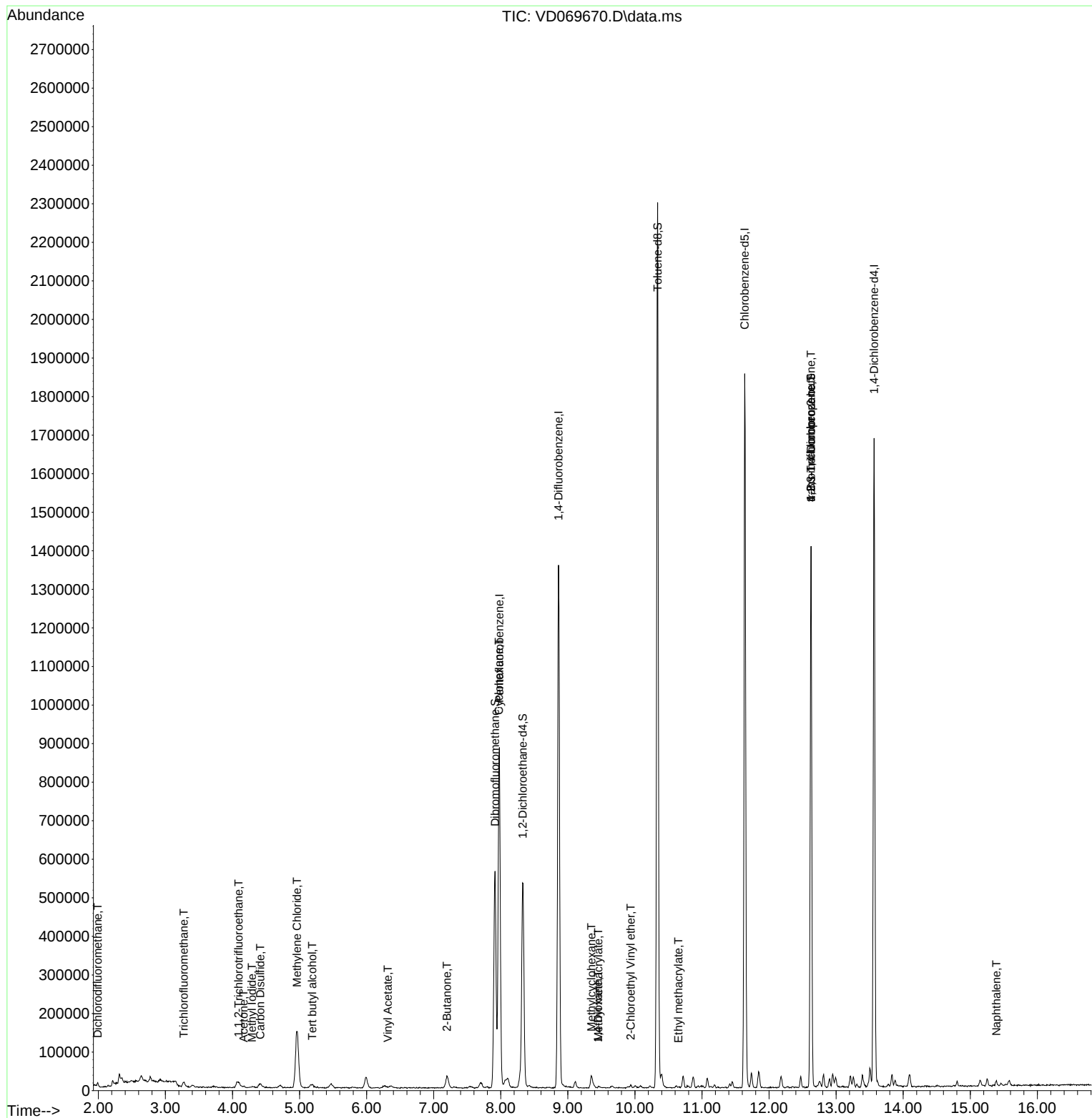
Internal Standards						
1) Pentafluorobenzene	7.979	168	592311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1145250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1038642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	431774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	435287	58.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.720%	
35) Dibromofluoromethane	7.914	113	406442	52.900	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.800%	
50) Toluene-d8	10.338	98	1543380	51.705	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.626	95	485307	48.750	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	7030	1.752	ug/l	72
5) Bromomethane	2.779	94	9386	Below Cal		90
7) Trichlorofluoromethane	3.273	101	13181	1.160	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	7856	1.115	ug/l	99
10) Methyl Iodide	4.291	142	2686	2.815	ug/l #	36
11) Tert butyl alcohol	5.191	59	8790	8.896	ug/l #	79
16) Acetone	4.167	43	6939	17.159	ug/l	94
17) Carbon Disulfide	4.414	76	19695	1.292	ug/l	99
18) Methyl Acetate	4.720	43	1088	Below Cal	#	74
20) Methylene Chloride	4.961	84	121355	7.290	ug/l	98
23) Vinyl Acetate	6.314	43	3195	15.682	ug/l #	89
25) 2-Butanone	7.197	43	2759	1.578	ug/l #	68
31) Cyclohexane	7.973	56	25049	2.379	ug/l #	21
39) Methylcyclohexane	9.349	83	11027	2.709	ug/l #	83
48) Methyl methacrylate	9.455	41	1001	1.333	ug/l #	79
49) 1,4-Dioxane	9.449	88	94	102.802	ug/l #	32
56) Ethyl methacrylate	10.649	69	1184	1.811	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.938	63	3109	10.220	ug/l	98
76) 1,2,3-Trichloropropane	12.626	75	241824	57.652	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	241824	154.937	ug/l #	14
95) Naphthalene	15.390	128	10198	2.919	ug/l #	94

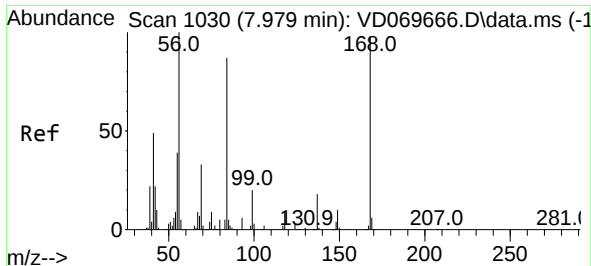
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 06:06:31 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

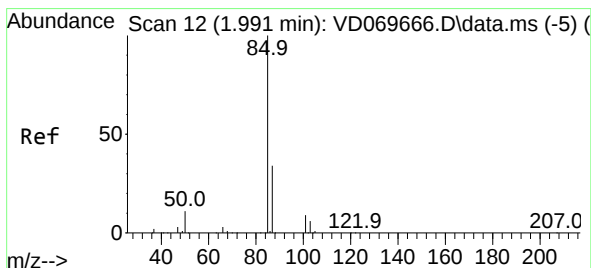
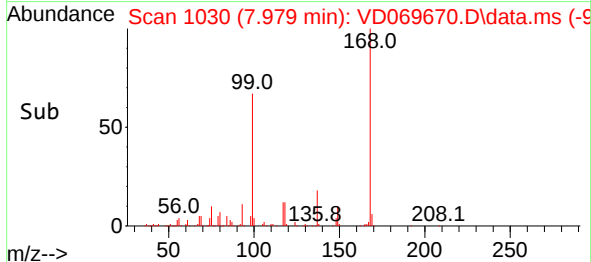
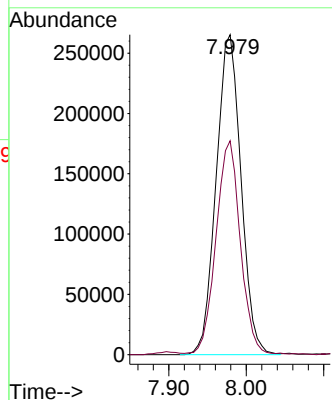
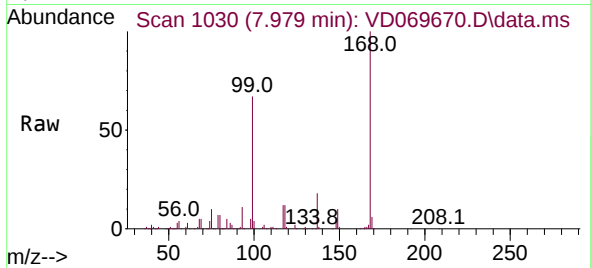




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

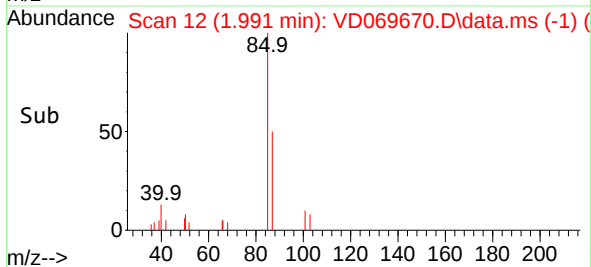
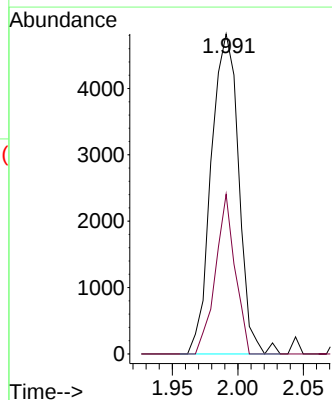
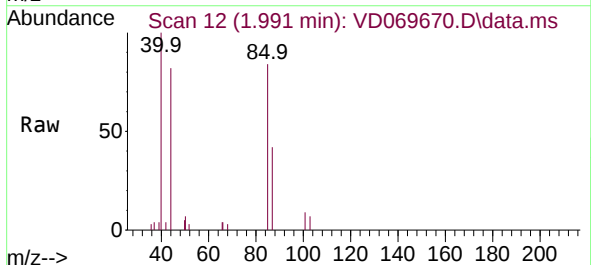
Instrument :
MSVOA_D
ClientSampled :

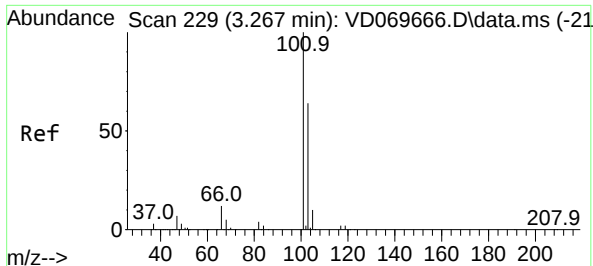
Tgt Ion:168 Resp: 592311
Ion Ratio Lower Upper
168 100
99 66.4 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.752 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 85 Resp: 7030
Ion Ratio Lower Upper
85 100
87 49.9 17.0 51.0

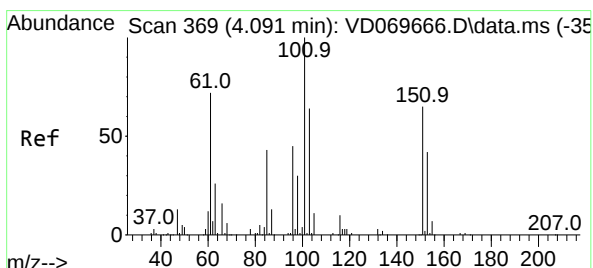
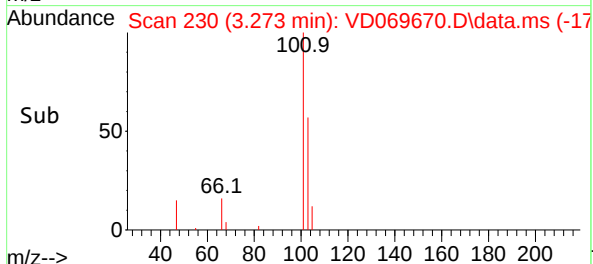
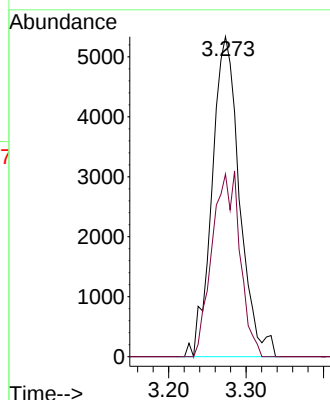
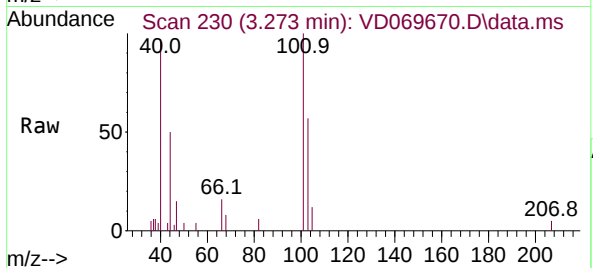




#7
Trichlorofluoromethane
Concen: 1.160 ug/l
RT: 3.273 min Scan# 230
Delta R.T. 0.006 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

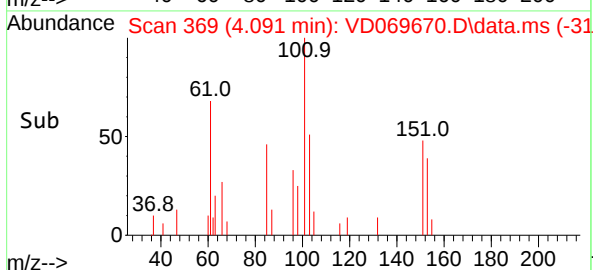
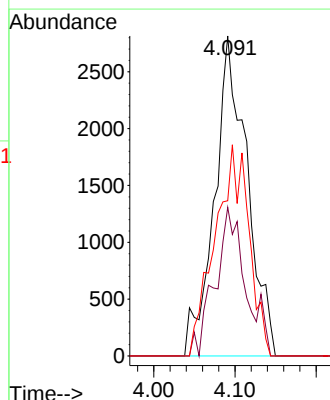
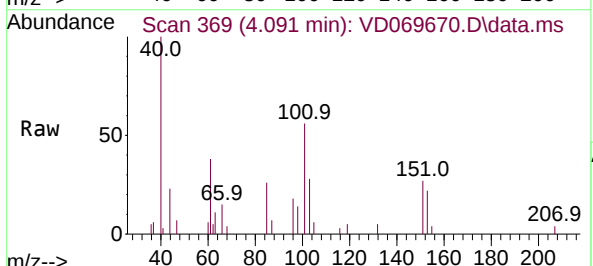
Instrument :
MSVOA_D
ClientSampled :

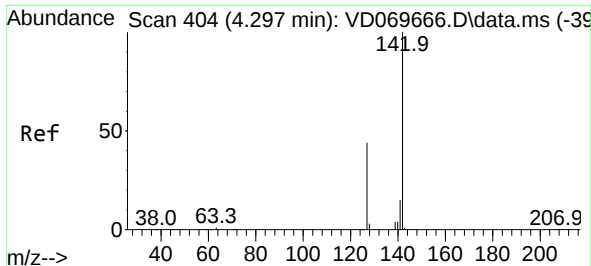
Tgt Ion:101 Resp: 13181
Ion Ratio Lower Upper
101 100
103 57.0 51.4 77.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.115 ug/l
RT: 4.091 min Scan# 369
Delta R.T. -0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

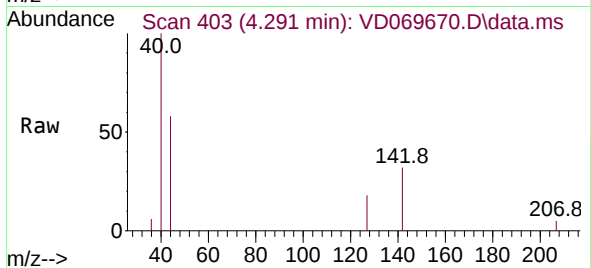
Tgt Ion:101 Resp: 7856
Ion Ratio Lower Upper
101 100
85 43.6 34.6 52.0
151 68.5 54.4 81.6



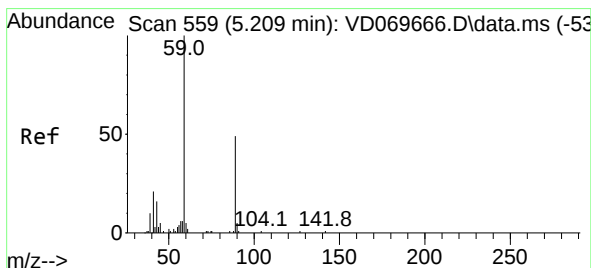
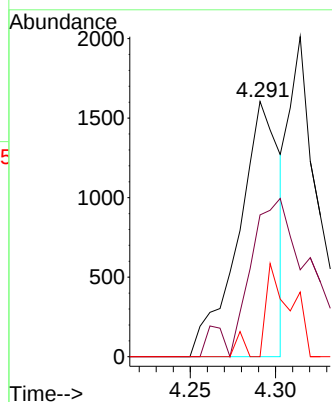
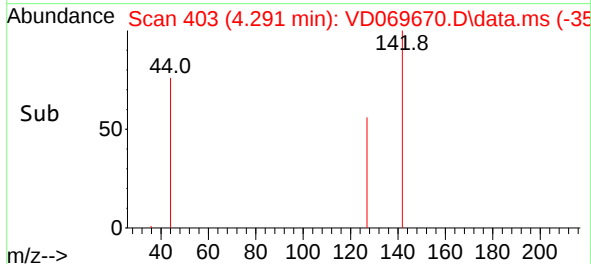


#10
Methyl Iodide
Concen: 2.815 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

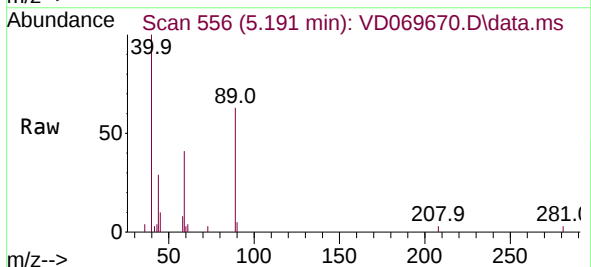
Instrument :
MSVOA_D
ClientSampleId :



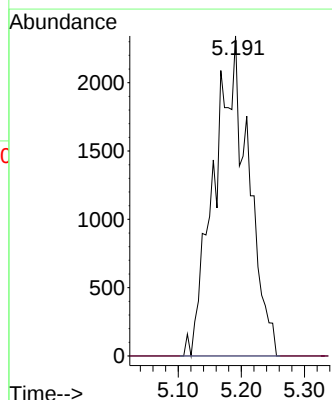
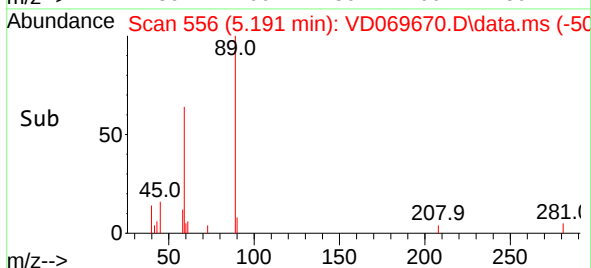
Tgt Ion:142 Resp: 2686
Ion Ratio Lower Upper
142 100
127 95.4 36.1 54.1#
141 23.7 11.6 17.4#

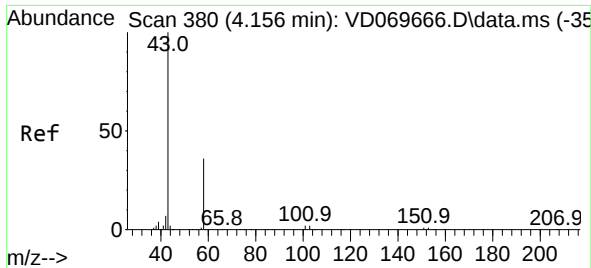


#11
Tert butyl alcohol
Concen: 8.896 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01



Tgt Ion: 59 Resp: 8790
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

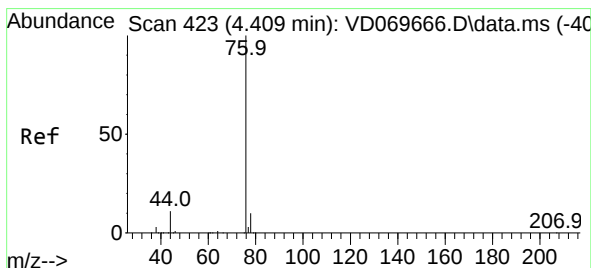
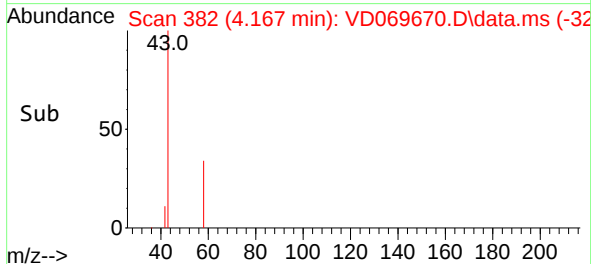
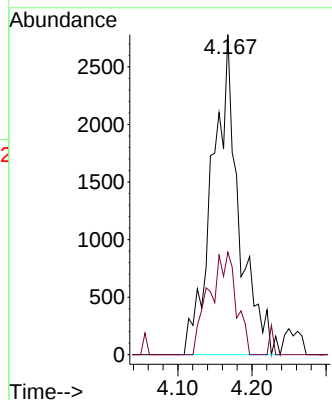
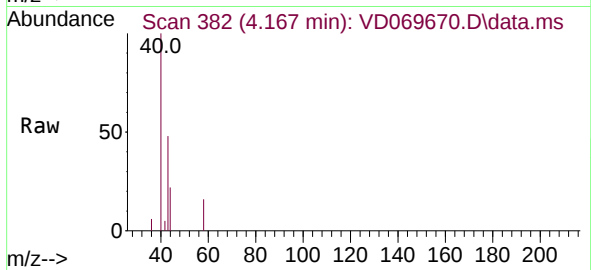




#16
Acetone
Concen: 17.159 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

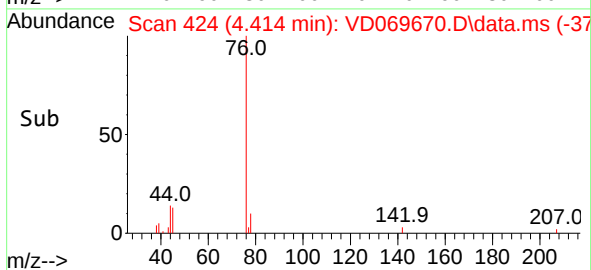
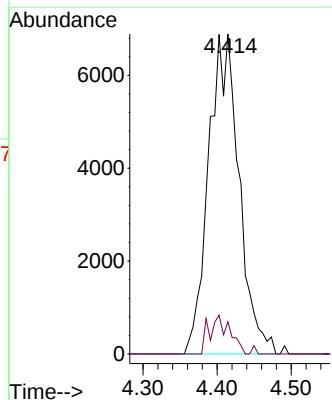
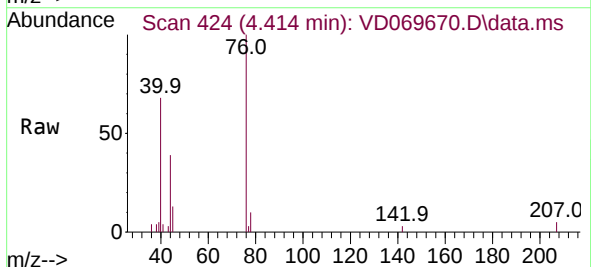
Instrument :
MSVOA_D
ClientSampleId :

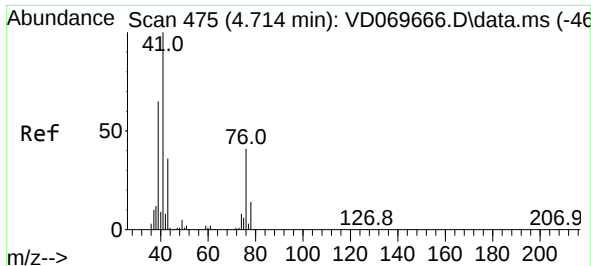
Tgt Ion: 43 Resp: 6939
Ion Ratio Lower Upper
43 100
58 32.0 28.6 42.8



#17
Carbon Disulfide
Concen: 1.292 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 76 Resp: 19695
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4

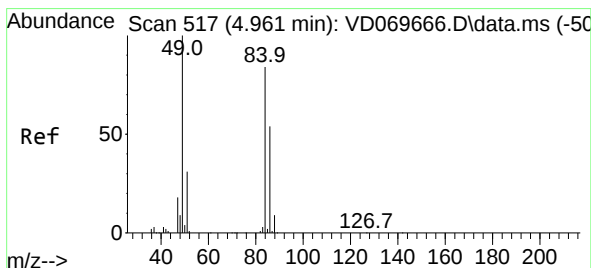
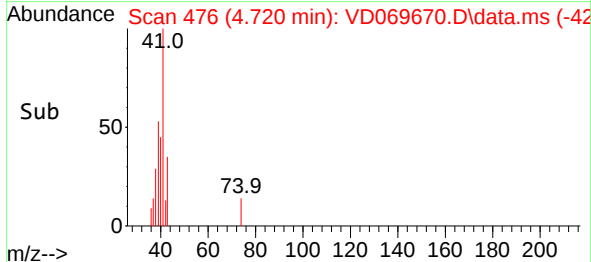
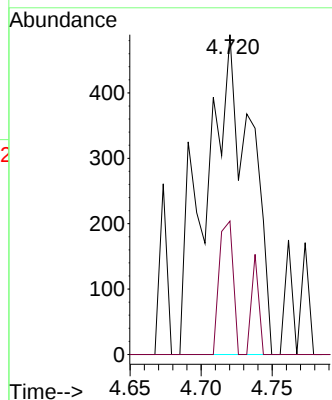
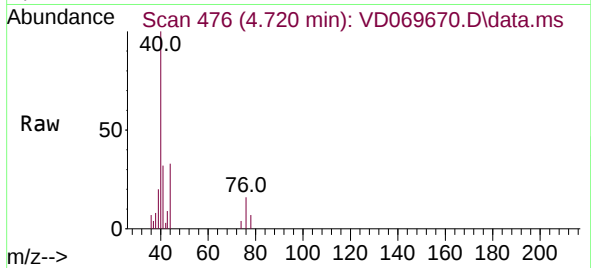




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

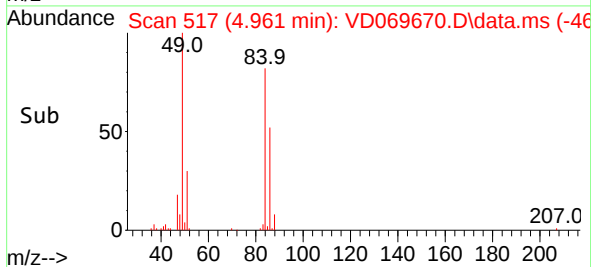
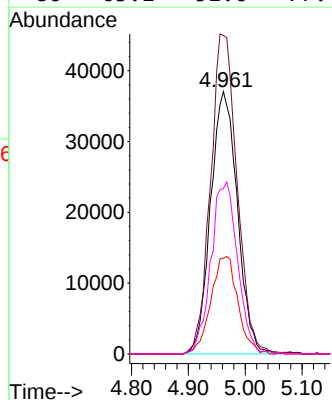
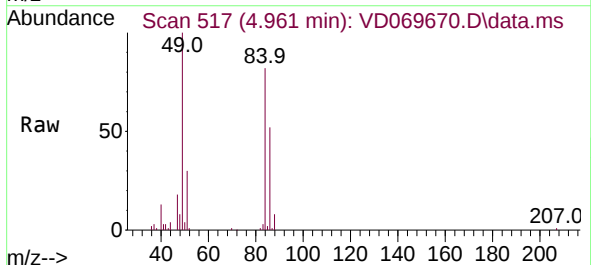
Instrument :
MSVOA_D
ClientSampled :

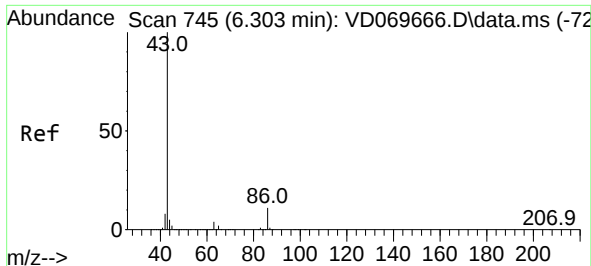
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
74 12.7 20.6 30.8#



#20
Methylene Chloride
Concen: 7.290 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 84 Resp: 121355
Ion Ratio Lower Upper
84 100
49 121.3 95.5 143.3
51 36.5 29.7 44.5
86 63.1 51.6 77.4

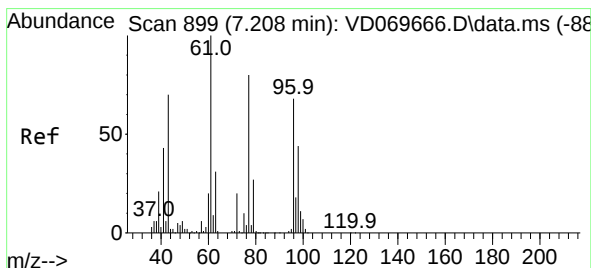
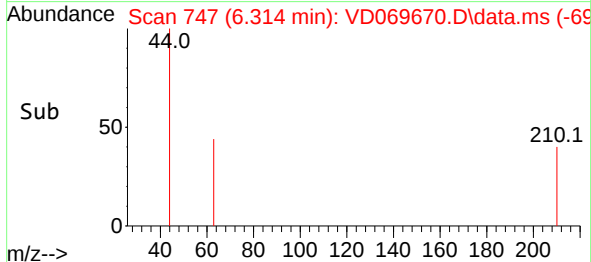
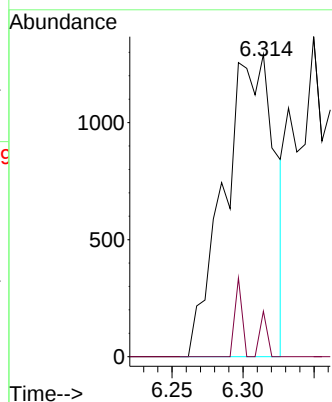
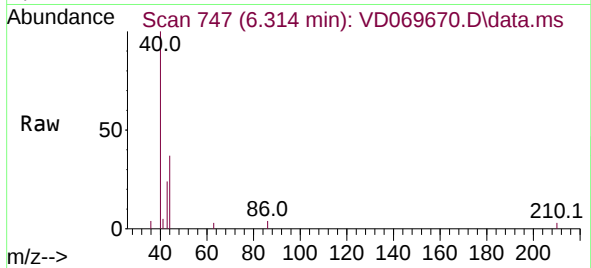




#23
 Vinyl Acetate
 Concen: 15.682 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD069670.D
 Acq: 13 Jul 2021 15:01

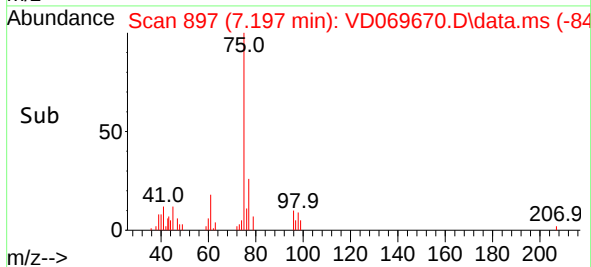
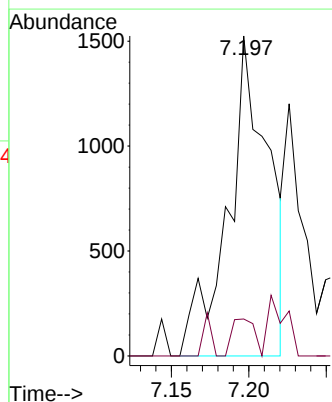
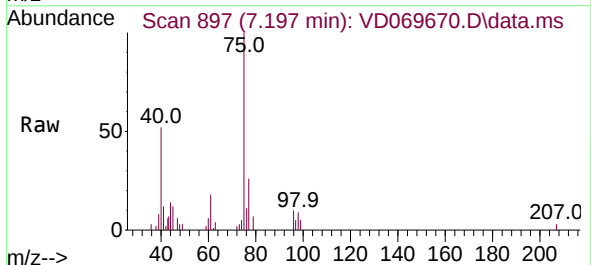
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 ClientSampled :

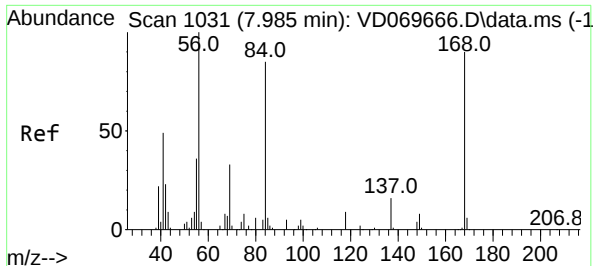
Tgt Ion: 43 Resp: 3195
 Ion Ratio Lower Upper
 43 100
 86 15.0 8.6 12.8#



#25
 2-Butanone
 Concen: 1.578 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.011 min
 Lab File: VD069670.D
 Acq: 13 Jul 2021 15:01

Tgt Ion: 43 Resp: 2759
 Ion Ratio Lower Upper
 43 100
 72 11.5 22.6 33.8#

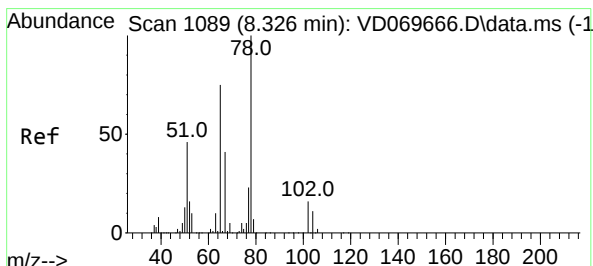
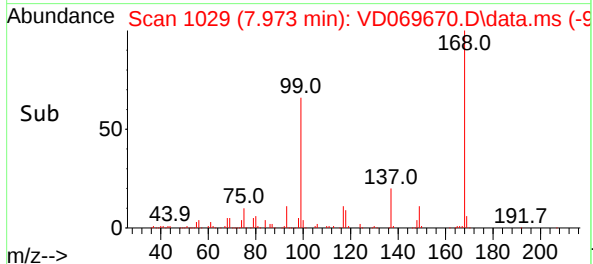
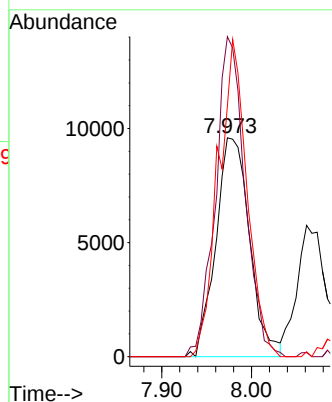
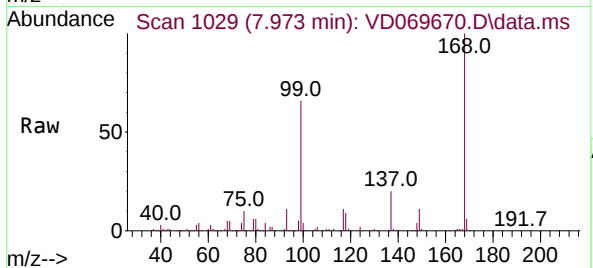




#31
Cyclohexane
Concen: 2.379 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

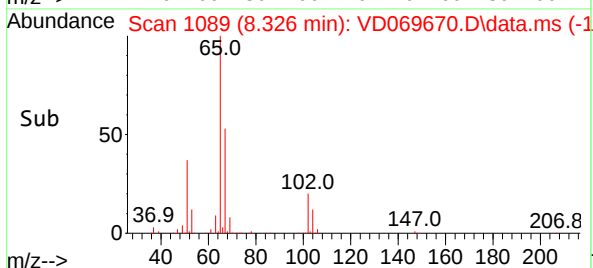
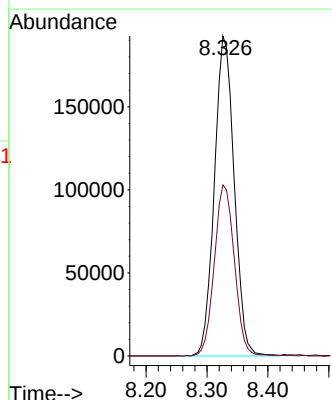
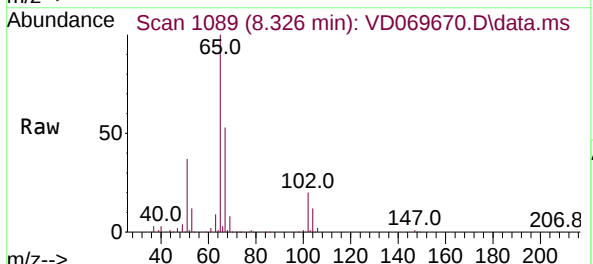
Instrument :
MSVOA_D
ClientSampled :

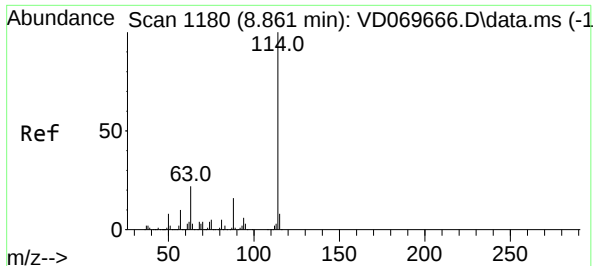
Tgt Ion: 56 Resp: 25049
Ion Ratio Lower Upper
56 100
69 146.2 26.6 39.8#
84 114.5 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 58.856 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 65 Resp: 435287
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.2



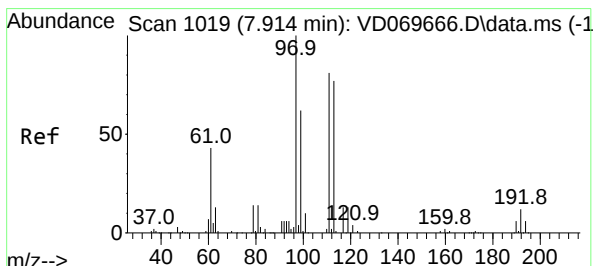
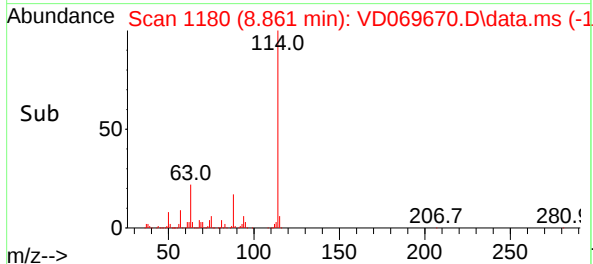
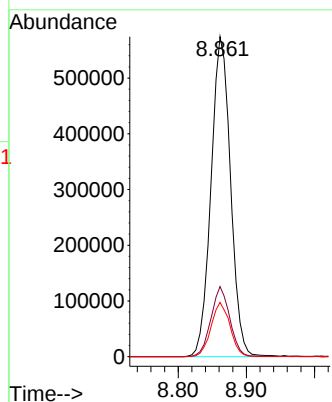
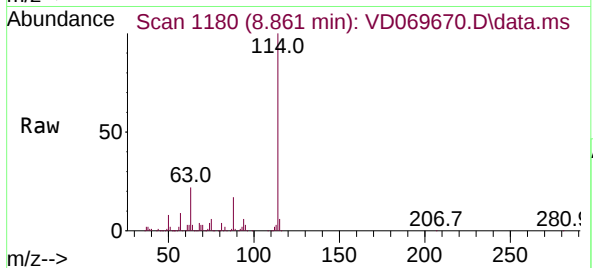


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Instrument :
MSVOA_D
ClientSampled :

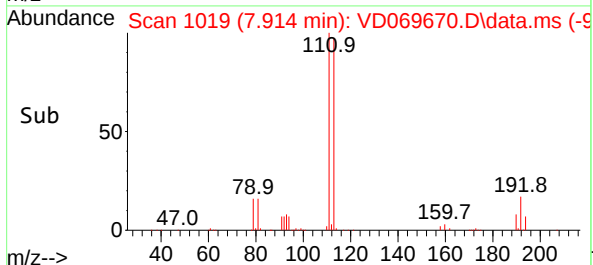
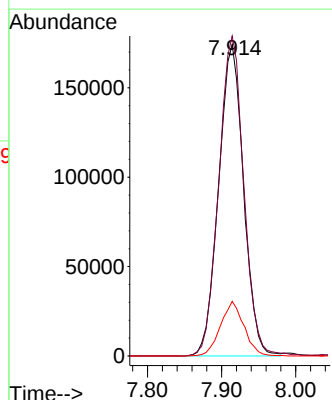
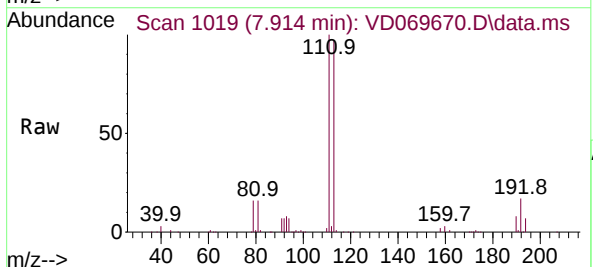
Tgt Ion:114 Resp: 1145250
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.4
88 17.0 0.0 32.0

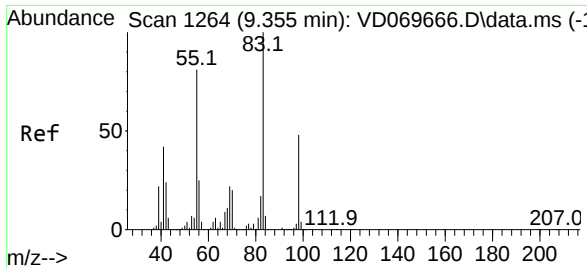


#35

Dibromofluoromethane
Concen: 52.900 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

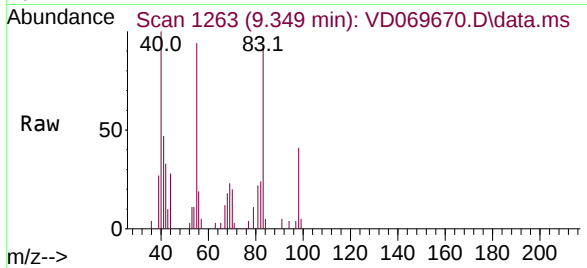
Tgt Ion:113 Resp: 406442
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 16.6 12.7 19.1



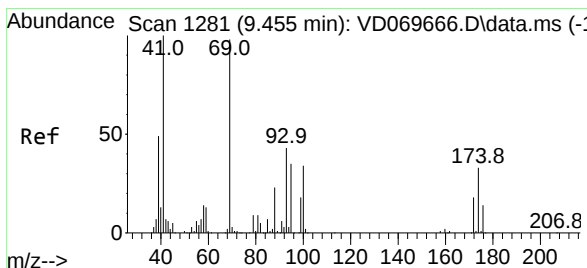
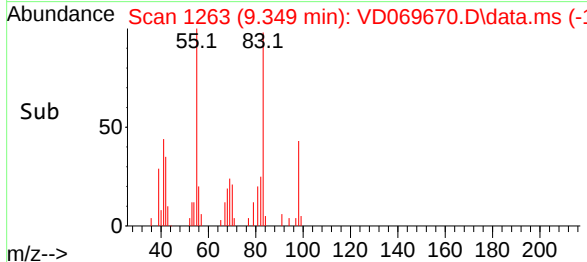
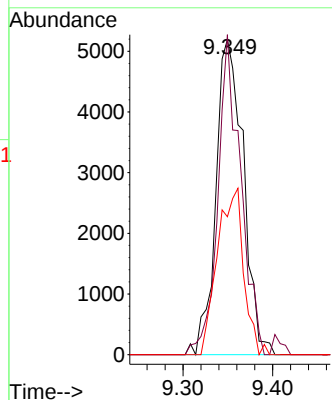


#39
Methylcyclohexane
Concen: 2.709 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Instrument :
MSVOA_D
ClientSampled :

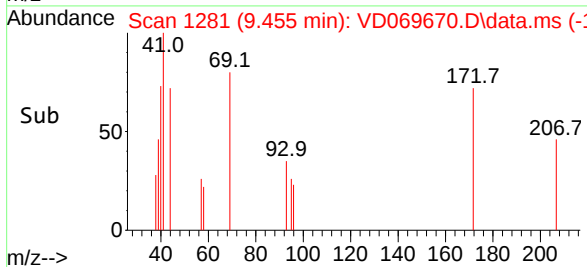
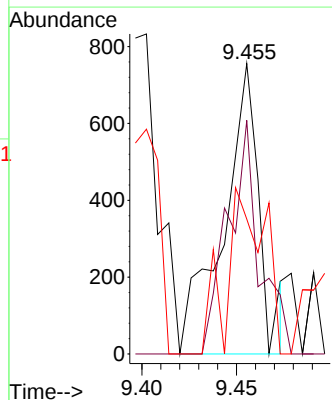
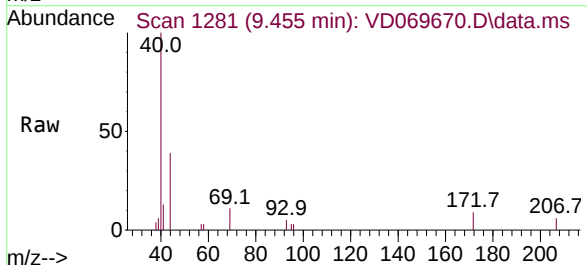


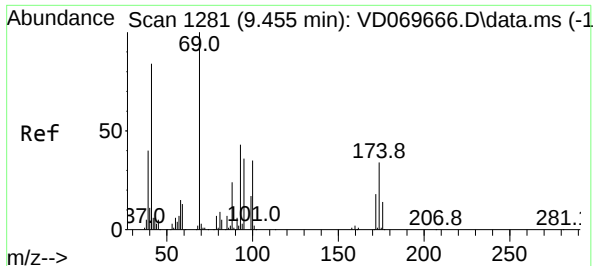
Tgt Ion: 83 Resp: 11027
Ion Ratio Lower Upper
83 100
55 101.5 64.6 97.0#
98 43.8 38.4 57.6



#48
Methyl methacrylate
Concen: 1.333 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 41 Resp: 1001
Ion Ratio Lower Upper
41 100
69 70.0 71.6 107.4#
39 60.4 36.7 55.1#

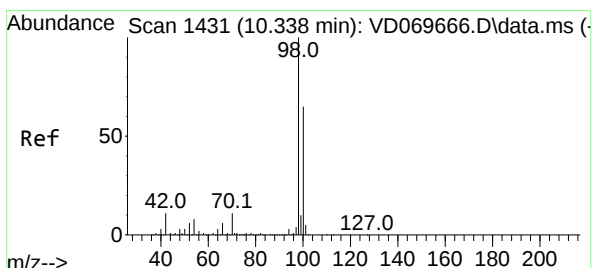
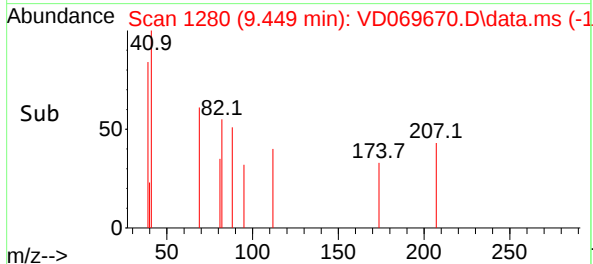
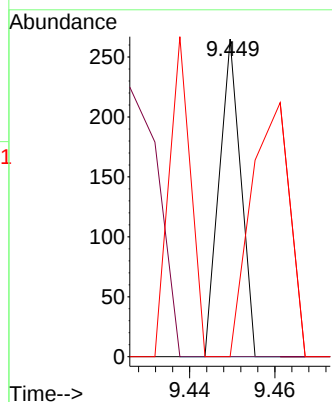
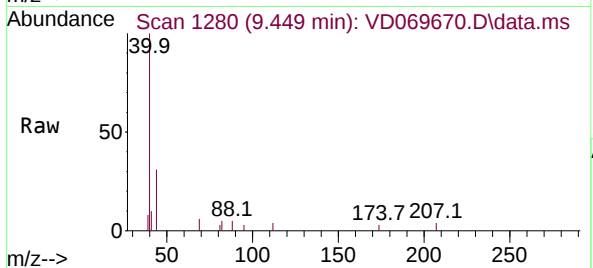




#49
1,4-Dioxane
Concen: 102.802 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

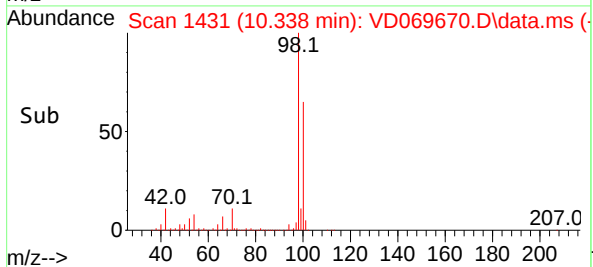
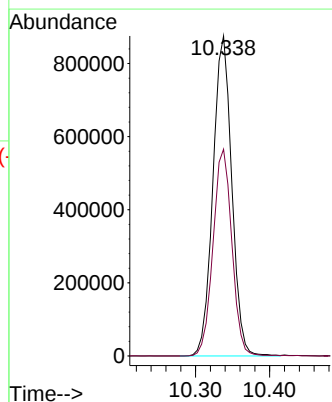
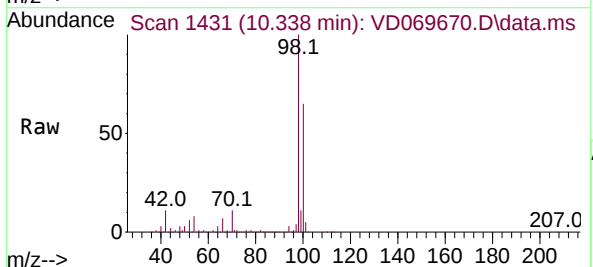
Instrument :
MSVOA_D
ClientSampleId :

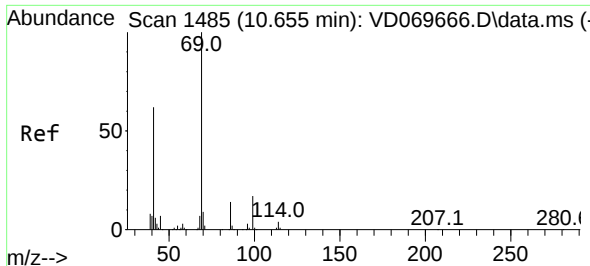
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 141.5 62.6 94.0#



#50
Toluene-d8
Concen: 51.705 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 98 Resp: 1543380
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

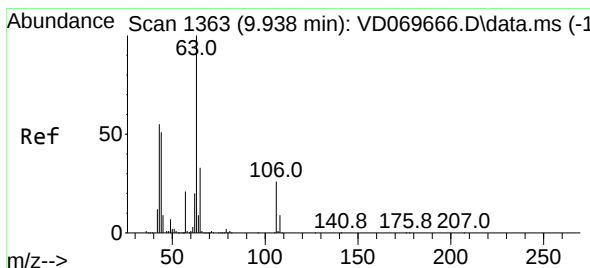
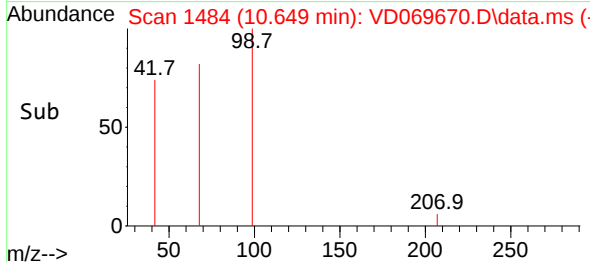
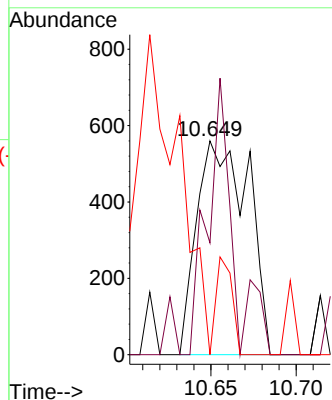
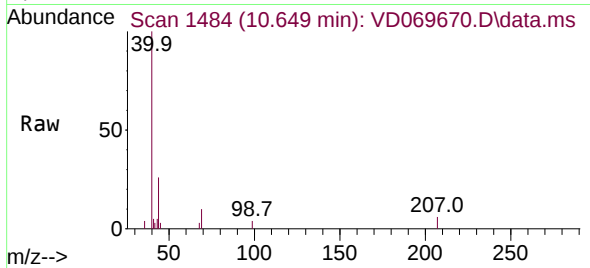




#56
Ethyl methacrylate
Concen: 1.811 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

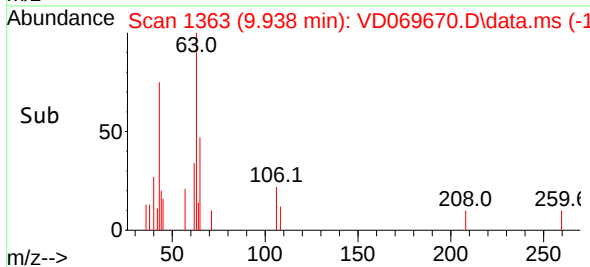
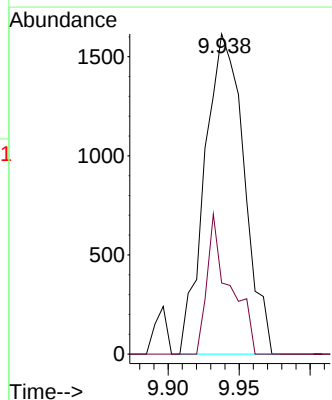
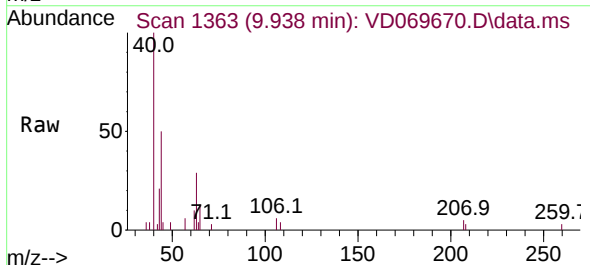
Instrument :
MSVOA_D
ClientSampleId :

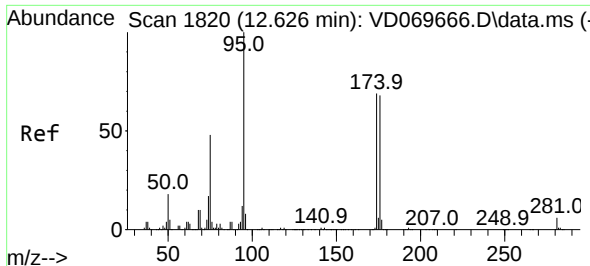
Tgt Ion:	69	Resp:	1184
Ion	Ratio	Lower	Upper
69	100		
41	68.4	49.5	74.3
39	14.0	22.5	33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 10.220 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion:	63	Resp:	3109
Ion	Ratio	Lower	Upper
63	100		
106	25.3	21.1	31.7

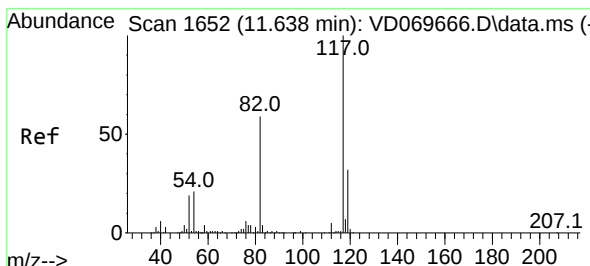
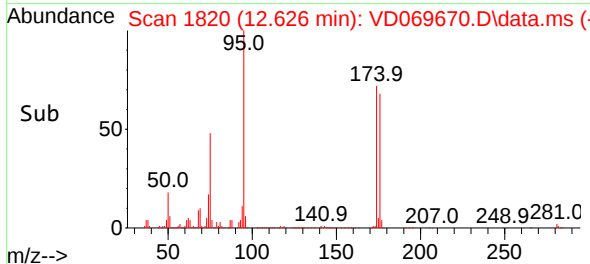
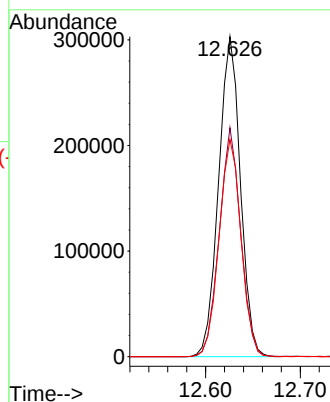
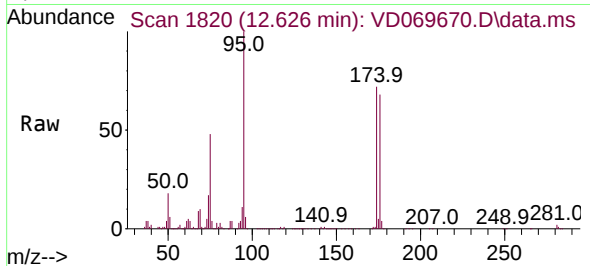




#62
4-Bromofluorobenzene
Concen: 48.750 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

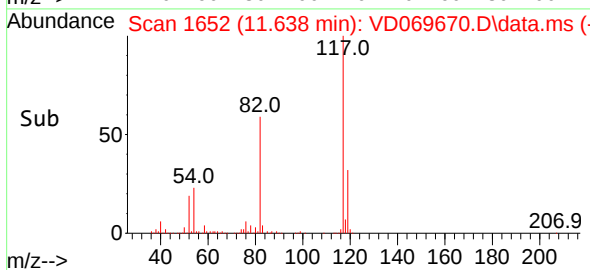
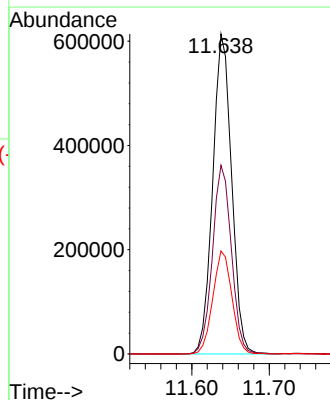
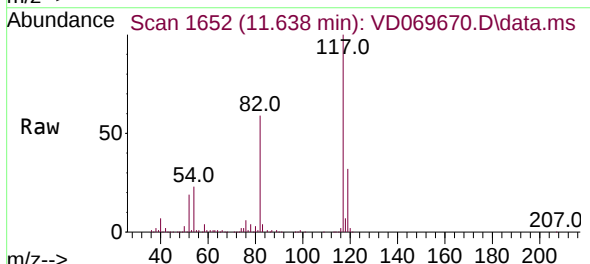
Instrument :
MSVOA_D
ClientSampleId :

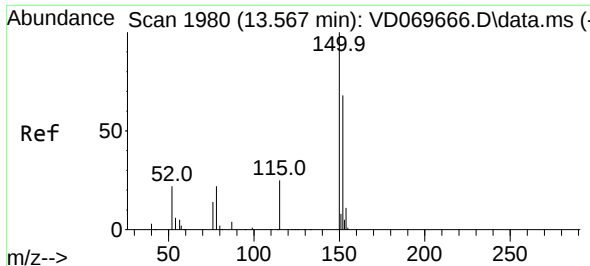
Tgt Ion: 95 Resp: 485307
Ion Ratio Lower Upper
95 100
174 69.9 0.0 140.0
176 68.5 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

Tgt Ion: 117 Resp: 1038642
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 32.2 25.5 38.3

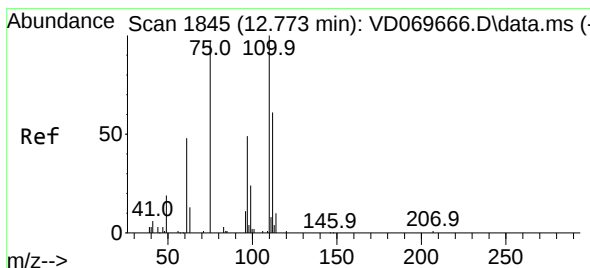
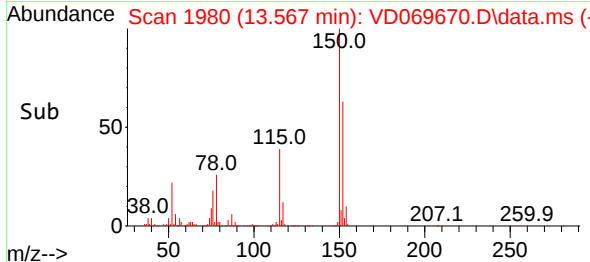
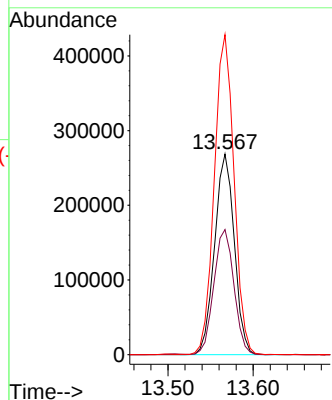
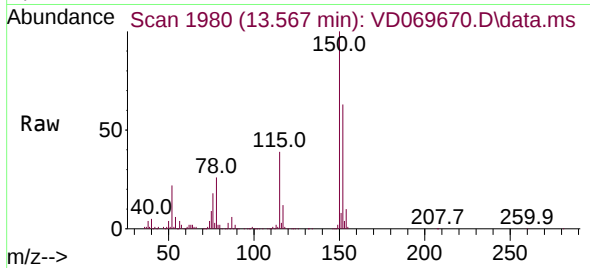




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069670.D
 Acq: 13 Jul 2021 15:01

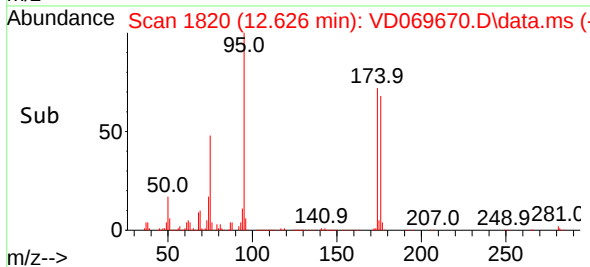
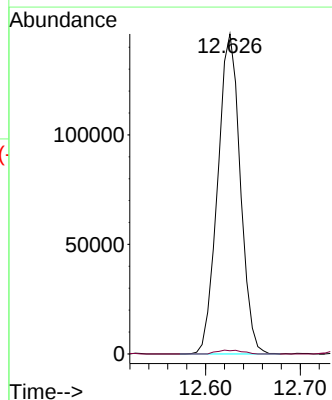
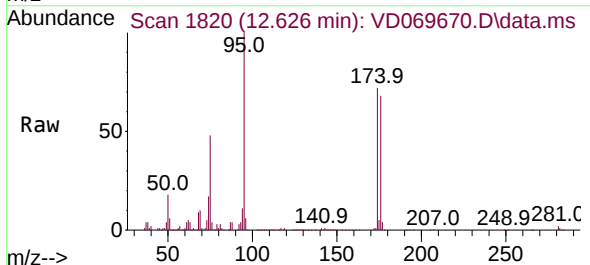
Instrument :
 MSVOA_D
 ClientSampleId :

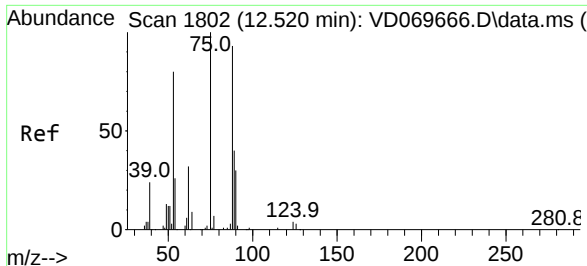
Tgt Ion:152 Resp: 431774
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.7 95.1
 150 159.6 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 57.652 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069670.D
 Acq: 13 Jul 2021 15:01

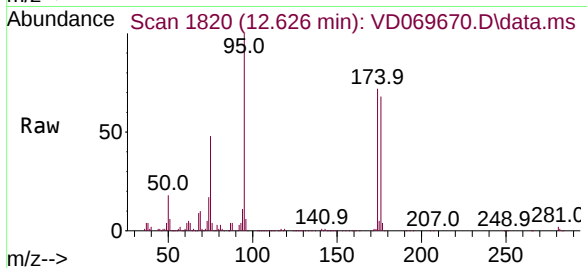
Tgt Ion: 75 Resp: 241824
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



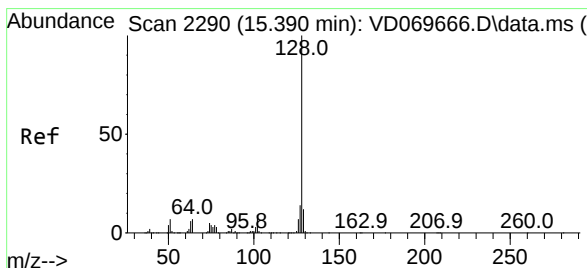
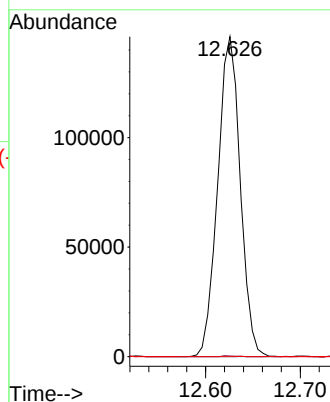
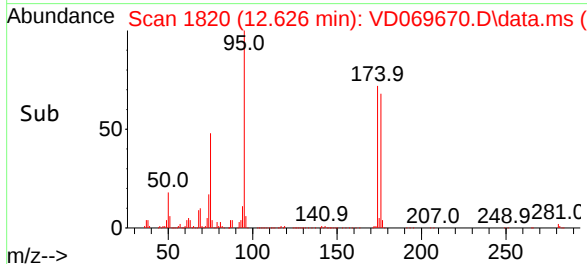


#81
trans-1,4-Dichloro-2-butene
Concen: 154.937 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01

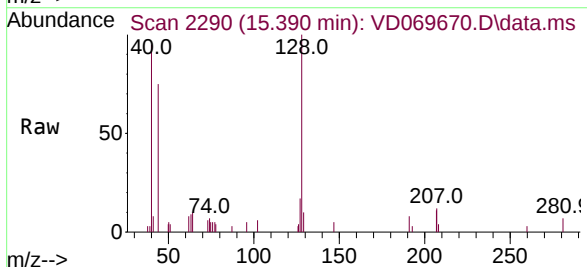
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 241824
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.919 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069670.D
Acq: 13 Jul 2021 15:01



Tgt Ion: 128 Resp: 10198
Ion Ratio Lower Upper
128 100
127 17.0 10.6 16.0#
129 10.5 8.8 13.2

