

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069723.D
 Acq On : 16 Jul 2021 14:14
 Operator : VA/SY
 Sample : M3026-10RE
 Misc : 10.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 16 16:16:34 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)

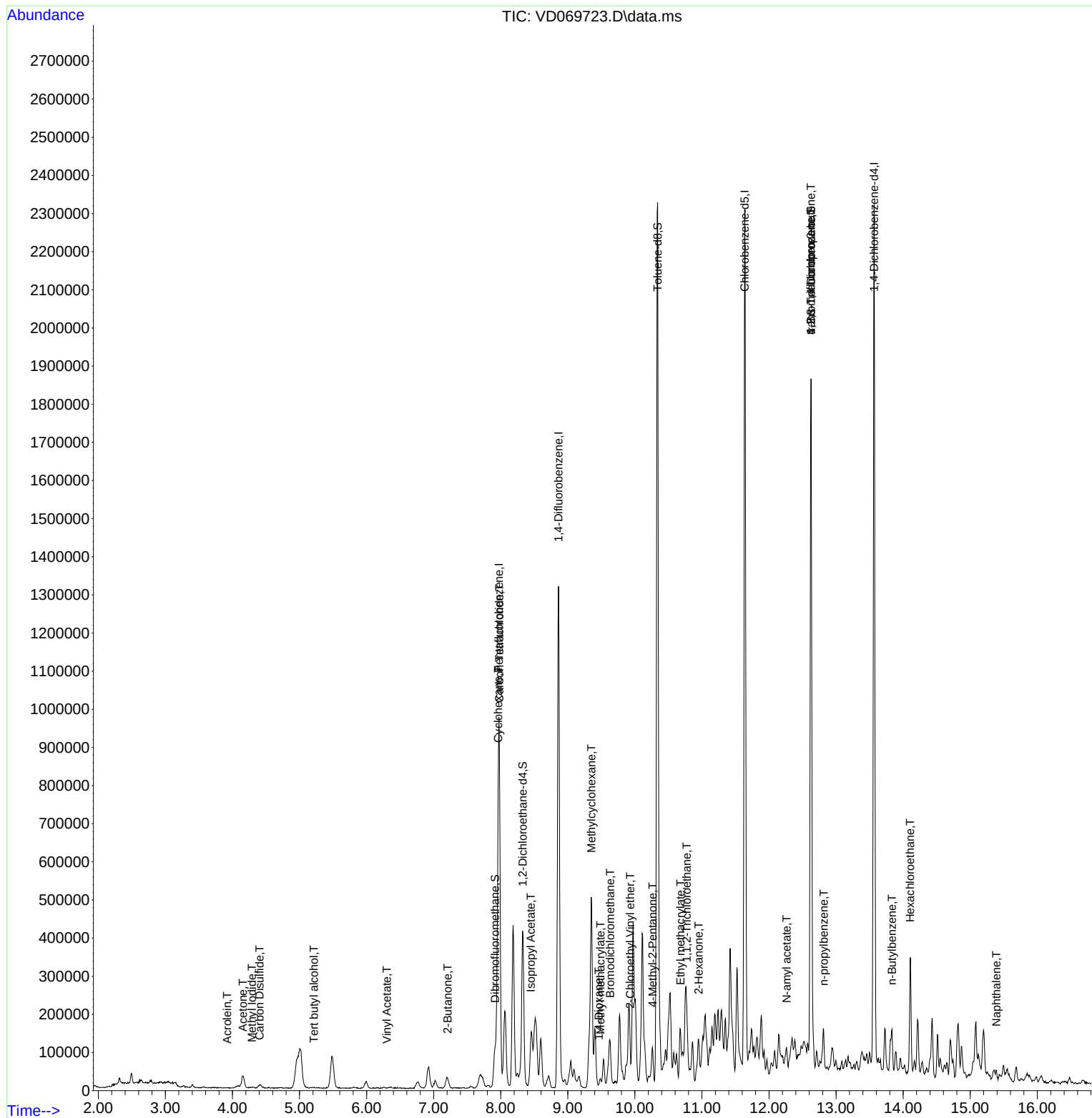
Internal Standards						
1) Pentafluorobenzene	7.973	168	561526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1071932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1246960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	570743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	319166	45.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.040%		
35) Dibromofluoromethane	7.914	113	68148	9.476	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.960%#		
50) Toluene-d8	10.338	98	1434644	51.350	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.626	95	632726	67.905	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	135.820%		
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	4100	Below Cal	#	78
10) Methyl Iodide	4.291	142	3127	2.894	ug/l #	92
11) Tert butyl alcohol	5.215	59	1065	1.137	ug/l #	79
13) Acrolein	3.921	56	583	1.206	ug/l #	48
16) Acetone	4.156	43	56253	47.980	ug/l #	85
17) Carbon Disulfide	4.403	76	16386	1.187	ug/l #	78
18) Methyl Acetate	4.768	43	742	Below Cal	#	49
23) Vinyl Acetate	6.303	43	395	15.458	ug/l #	72
25) 2-Butanone	7.209	43	14622	8.824	ug/l	91
31) Cyclohexane	7.961	56	95762	8.369	ug/l #	61
38) Carbon Tetrachloride	7.979	117	62877	6.209	ug/l #	17
39) Methylcyclohexane	9.350	83	162146	13.752	ug/l	94
43) Isopropyl Acetate	8.450	43	30681	4.005	ug/l #	47
47) Bromodichloromethane	9.632	83	21898	2.019	ug/l #	28
48) Methyl methacrylate	9.485	41	3622	1.993	ug/l #	13
49) 1,4-Dioxane	9.461	88	111	103.156	ug/l #	20
51) 4-Methyl-2-Pentanone	10.267	43	6554	1.652	ug/l #	59
55) 1,1,2-Trichloroethane	10.773	97	45544	7.957	ug/l #	22
56) Ethyl methacrylate	10.679	69	14924	3.638	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.932	63	1007	9.658	ug/l #	63
59) 2-Hexanone	10.950	43	39533	14.951	ug/l #	27
74) N-amyl acetate	12.261	43	16873	1.911	ug/l #	54
76) 1,2,3-Trichloropropane	12.626	75	307396	55.441	ug/l #	100
78) n-propylbenzene	12.814	91	72875	1.414	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	307396	148.994	ug/l #	14
89) n-Butylbenzene	13.832	91	64633	1.814	ug/l #	83
90) Hexachloroethane	14.102	117	19053	2.603	ug/l #	21
95) Naphthalene	15.390	128	12794	2.882	ug/l #	88

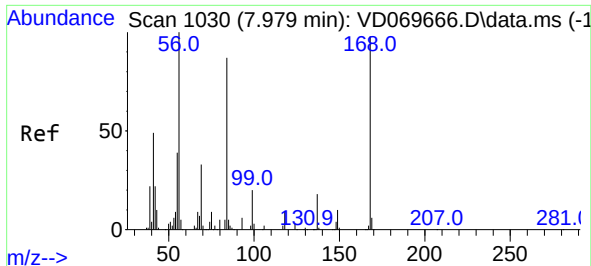
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
Data File : VD069723.D
Acq On : 16 Jul 2021 14:14
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Quant Time: Jul 16 16:16:34 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

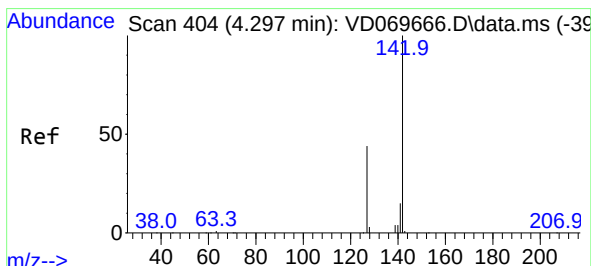
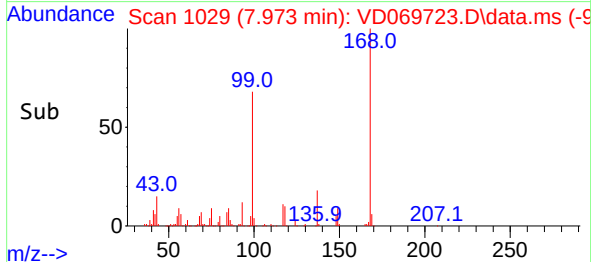
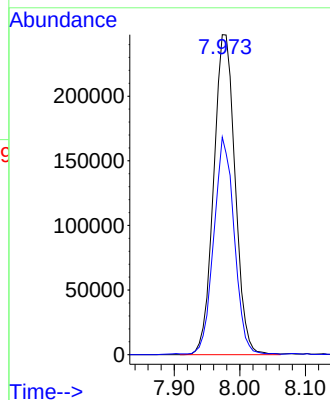
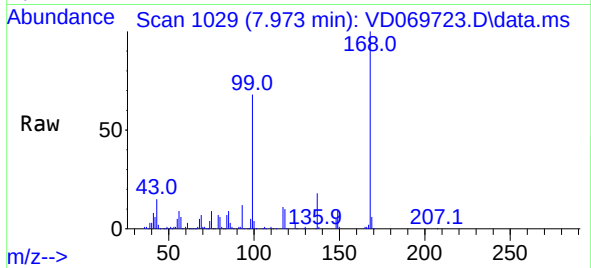




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

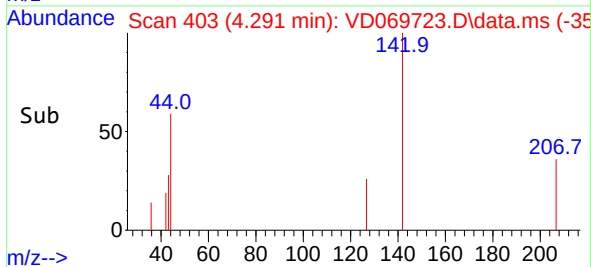
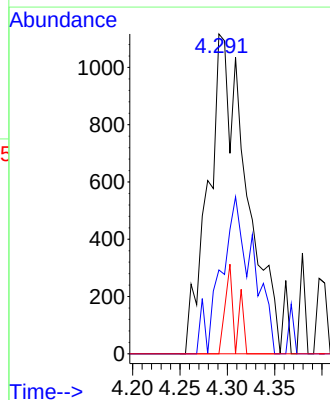
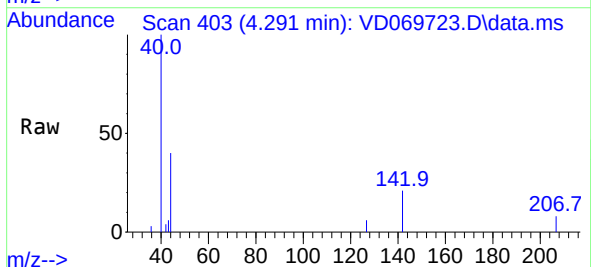
Instrument :
MSVOA_D
ClientSampleId :

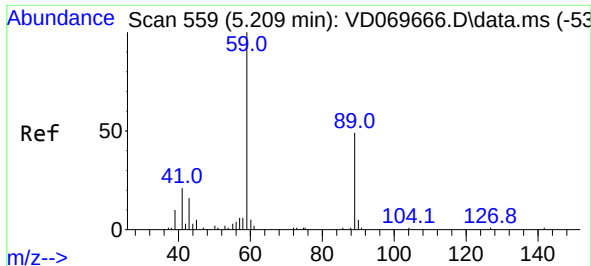
Tgt Ion:168 Resp: 561526
Ion Ratio Lower Upper
168 100
99 67.8 51.8 77.6



#10
Methyl Iodide
Concen: 2.894 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion:142 Resp: 3127
Ion Ratio Lower Upper
142 100
127 41.4 36.1 54.1
141 7.8 11.6 17.4#

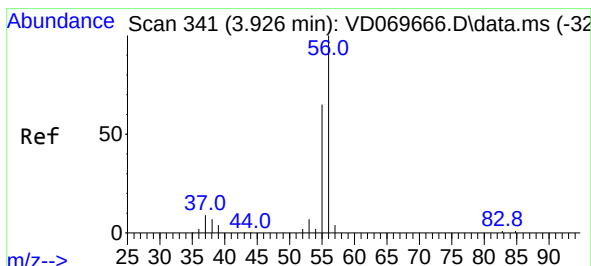
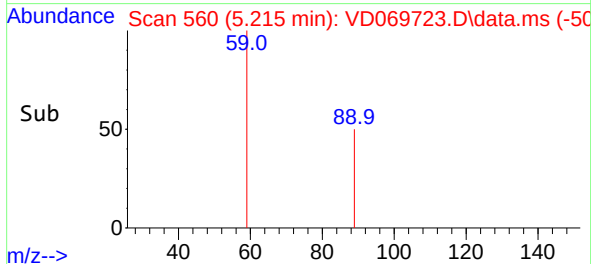
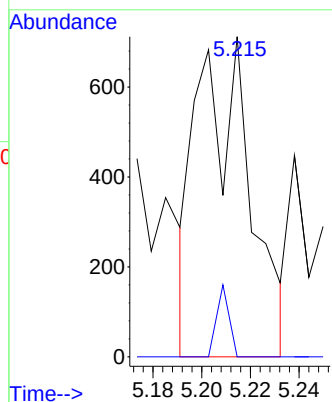
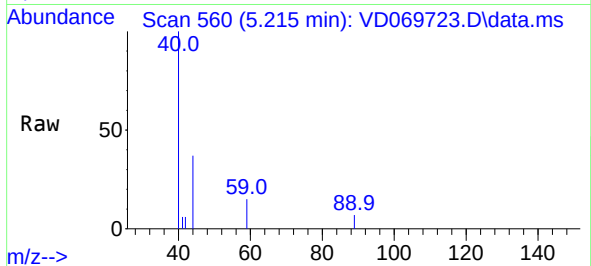




#11
Tert butyl alcohol
Concen: 1.137 ug/l
RT: 5.215 min Scan# 560
Delta R.T. 0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

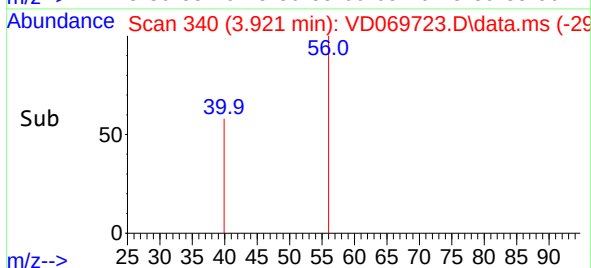
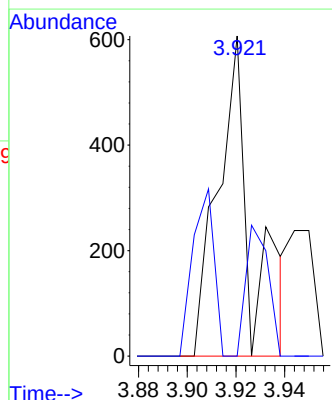
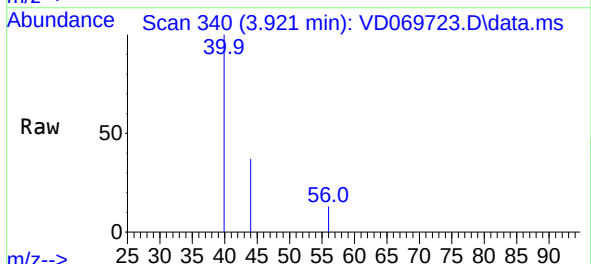
Instrument :
MSVOA_D
ClientSampled :

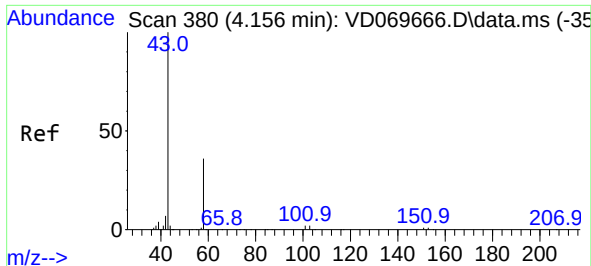
Tgt Ion: 59 Resp: 1065
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#13
Acrolein
Concen: 1.206 ug/l
RT: 3.921 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 56 Resp: 583
Ion Ratio Lower Upper
56 100
55 27.1 55.3 82.9#

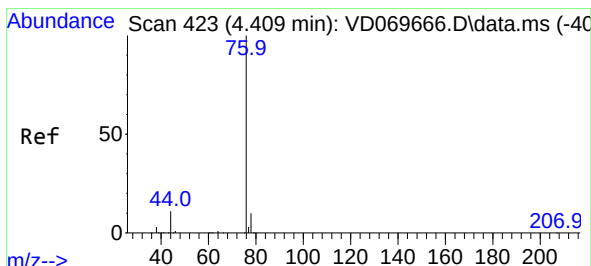
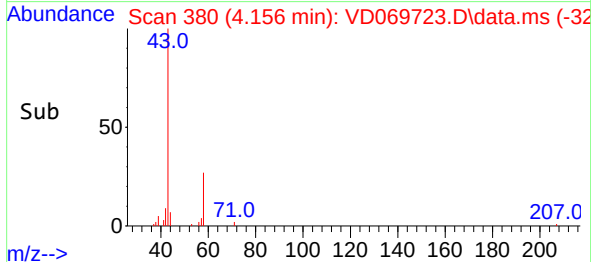
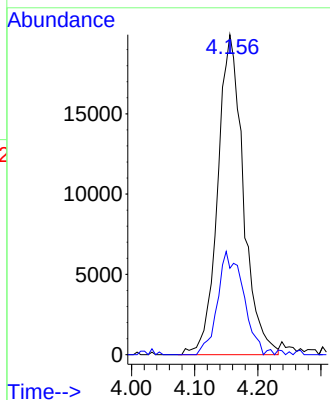
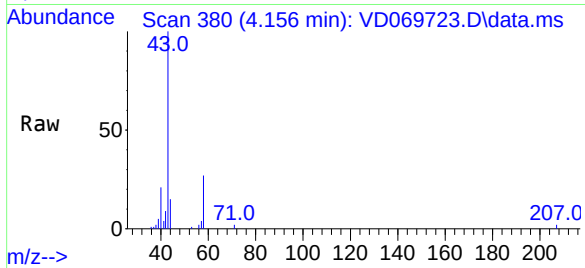




#16
Acetone
Concen: 47.980 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

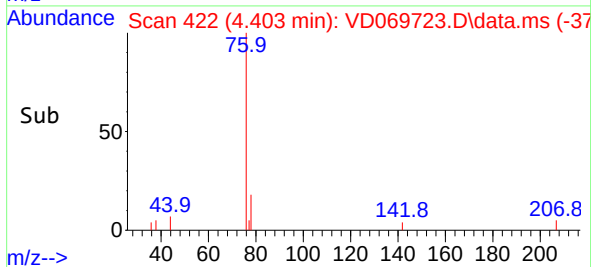
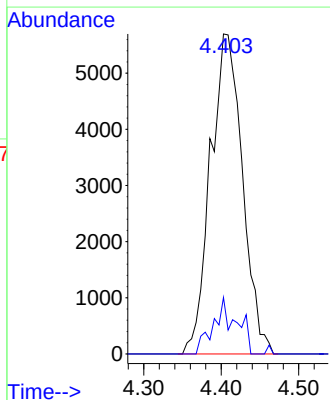
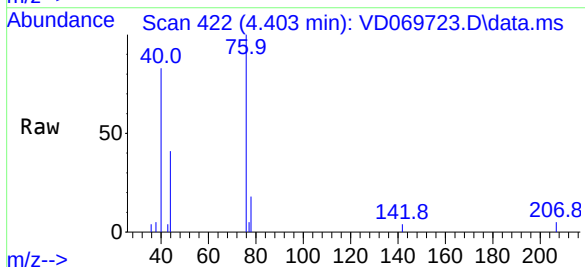
Instrument :
MSVOA_D
ClientSampleId :

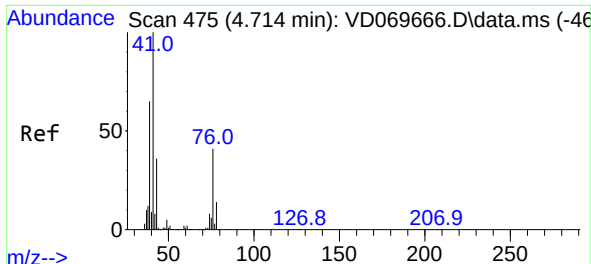
Tgt Ion: 43 Resp: 56253
Ion Ratio Lower Upper
43 100
58 27.0 28.6 42.8#



#17
Carbon Disulfide
Concen: 1.187 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 76 Resp: 16386
Ion Ratio Lower Upper
76 100
78 17.6 7.6 11.4#

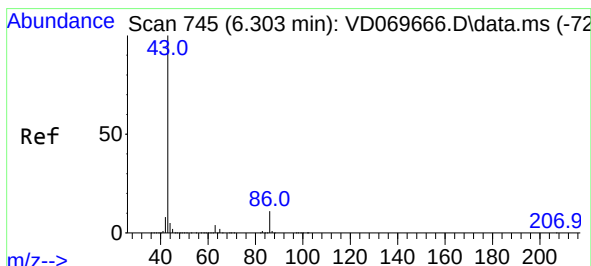
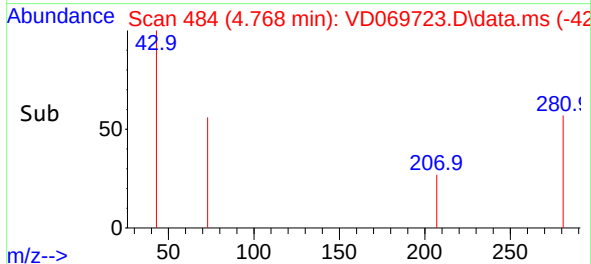
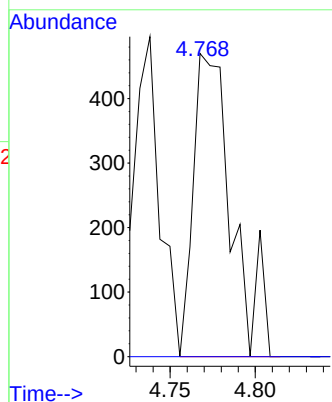
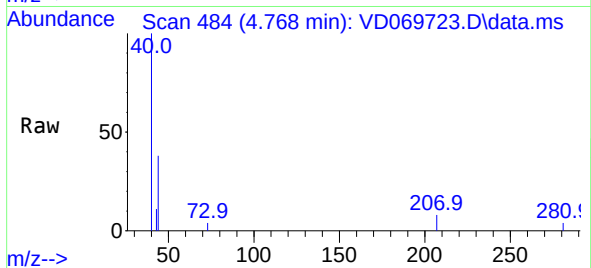




#18
Methyl Acetate
Concen: Below Cal
RT: 4.768 min Scan# 484
Delta R.T. 0.054 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

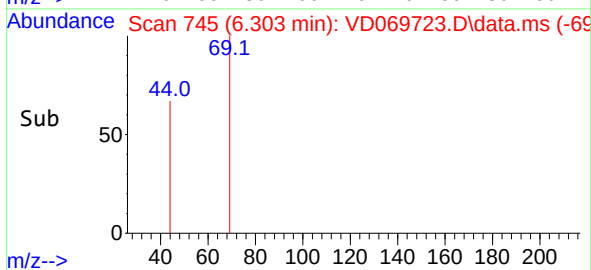
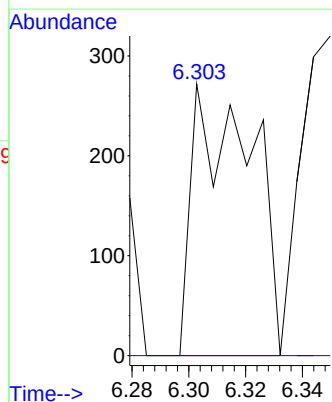
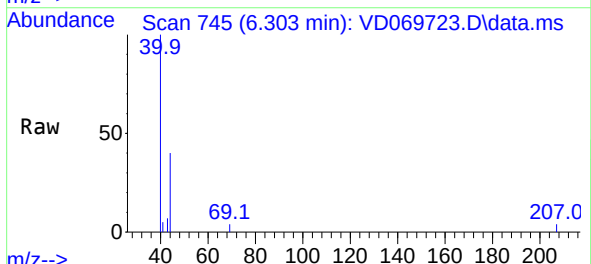
Instrument :
MSVOA_D
ClientSampleId :

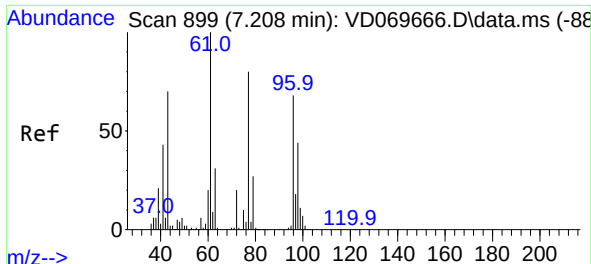
Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.458 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

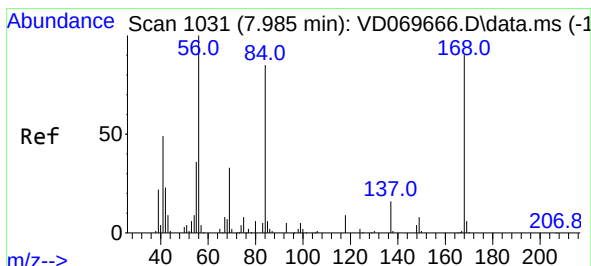
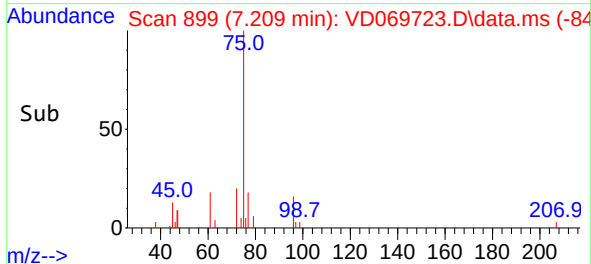
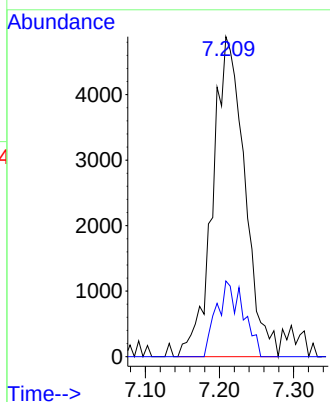
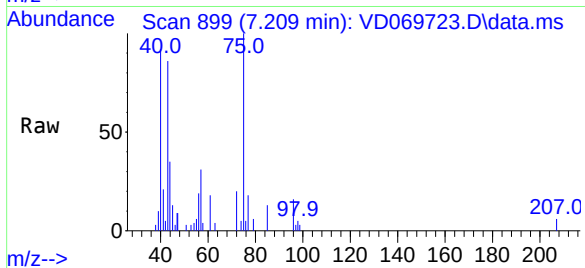




#25
2-Butanone
Concen: 8.824 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

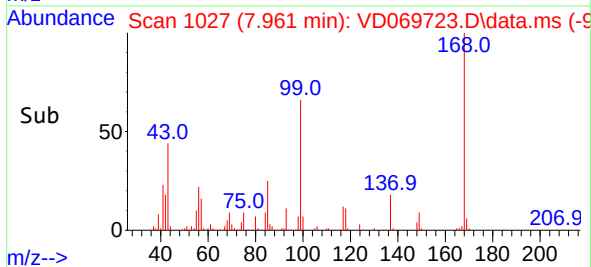
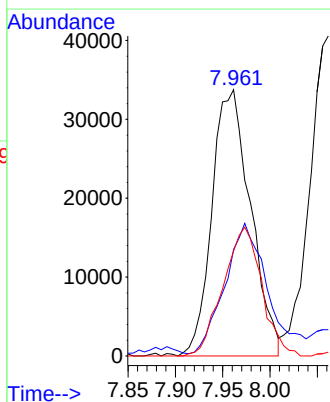
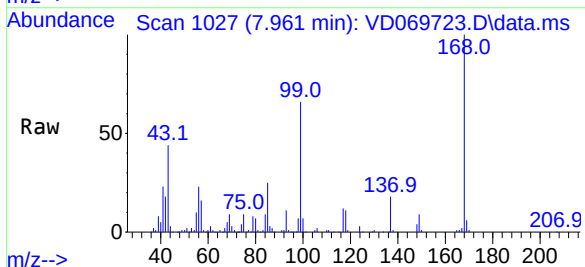
Instrument :
MSVOA_D
ClientSampled :

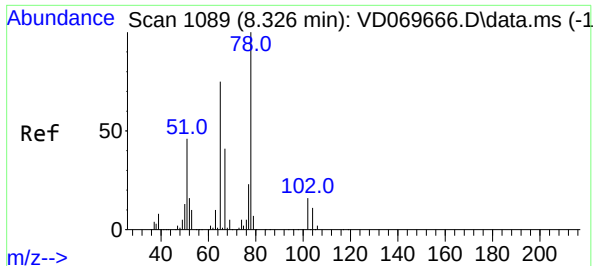
Tgt Ion: 43 Resp: 14622
Ion Ratio Lower Upper
43 100
72 23.6 22.6 33.8



#31
Cyclohexane
Concen: 8.369 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.024 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 56 Resp: 95762
Ion Ratio Lower Upper
56 100
69 38.1 26.6 39.8
84 39.4 68.2 102.2#

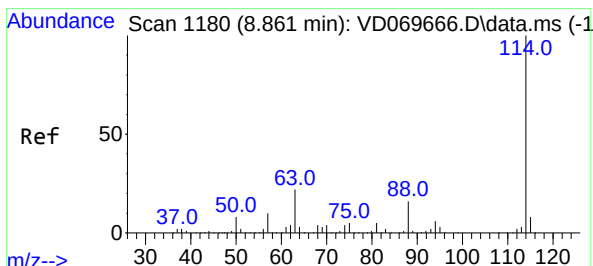
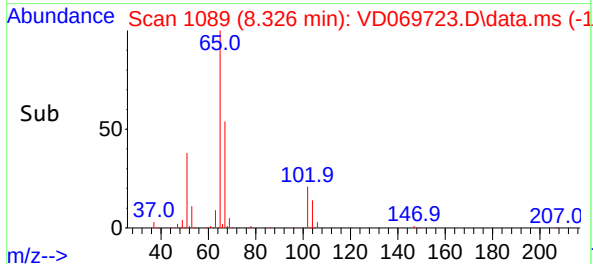
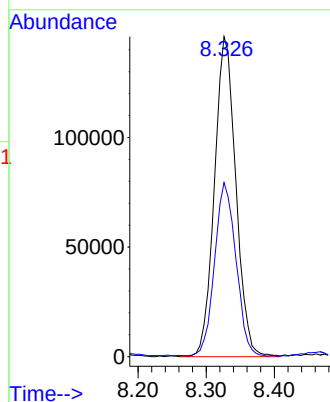
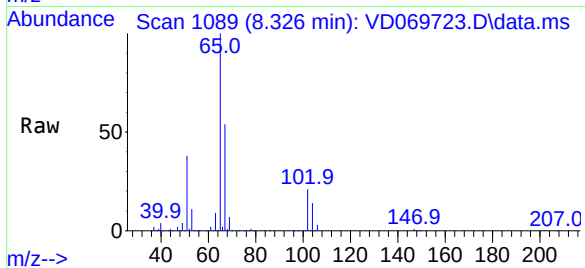




#33
1,2-Dichloroethane-d4
Concen: 45.521 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

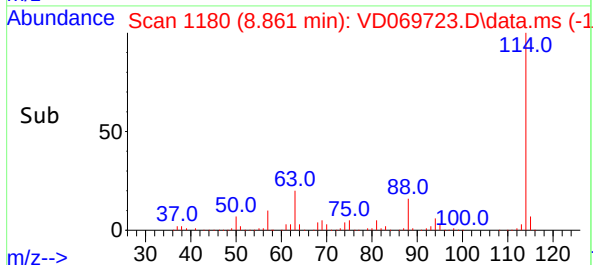
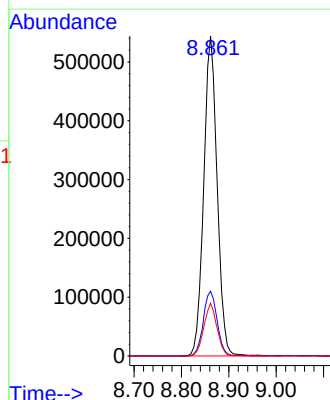
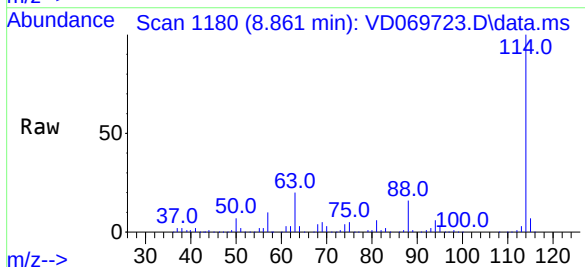
Instrument :
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ClientSampleId :

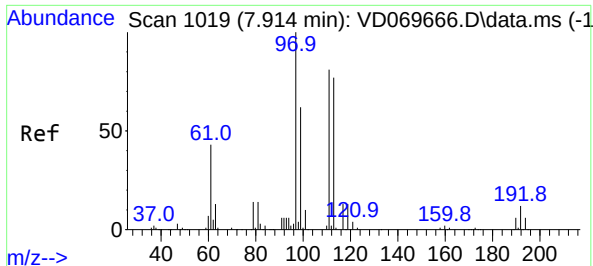
Tgt Ion: 65 Resp: 319166
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 114 Resp: 1071932
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.4
88 16.5 0.0 32.0



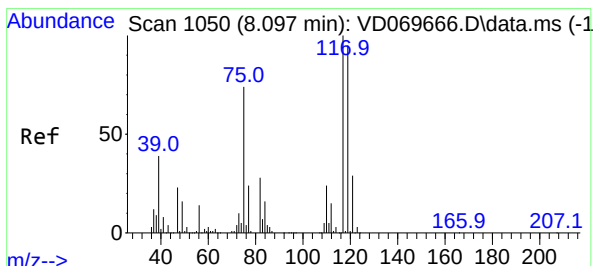
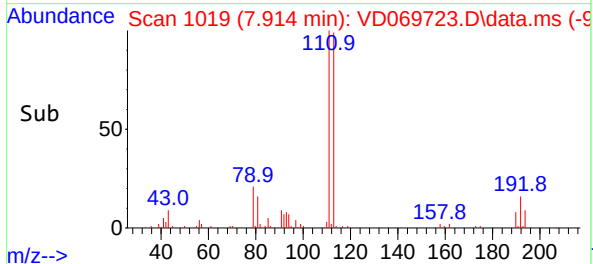
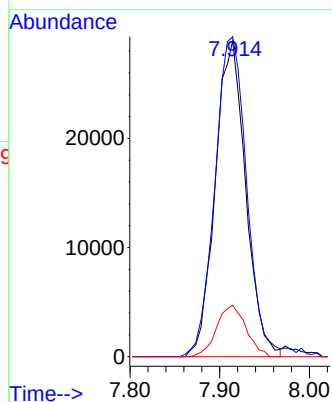
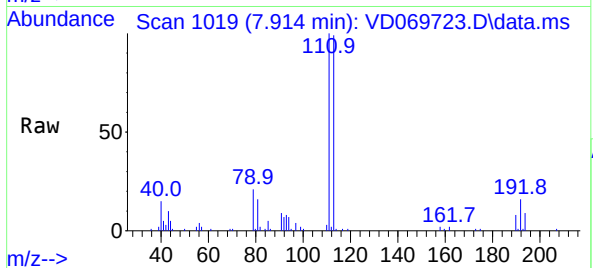


#35

Dibromofluoromethane
Concen: 9.476 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Instrument :
MSVOA_D
ClientSampled :

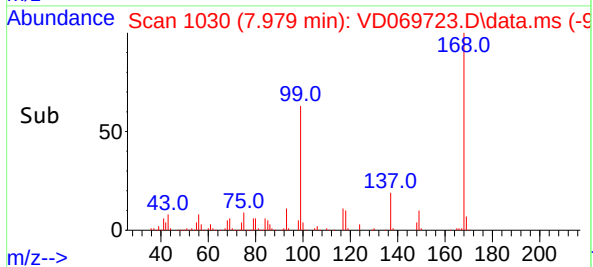
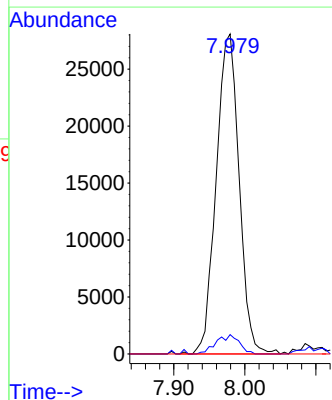
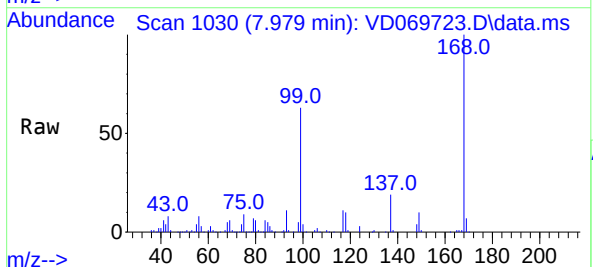
Tgt Ion:113 Resp: 68148
Ion Ratio Lower Upper
113 100
111 107.1 82.6 123.8
192 15.7 12.7 19.1

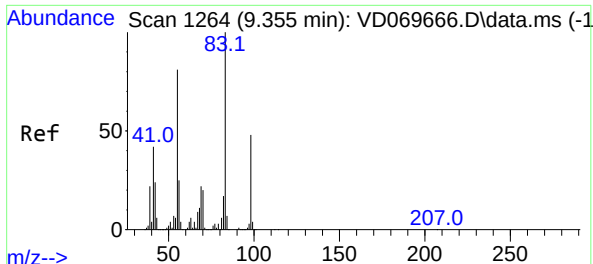


#38

Carbon Tetrachloride
Concen: 6.209 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion:117 Resp: 62877
Ion Ratio Lower Upper
117 100
119 6.0 75.7 113.5#
121 0.0 23.0 34.6#



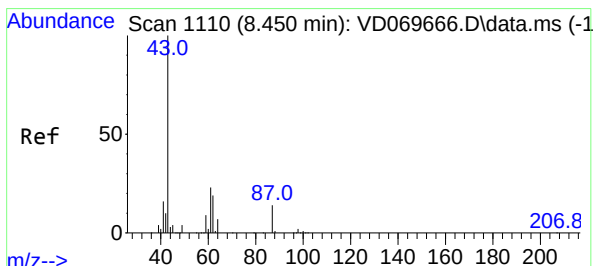
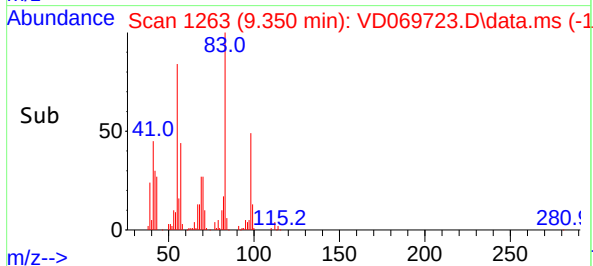
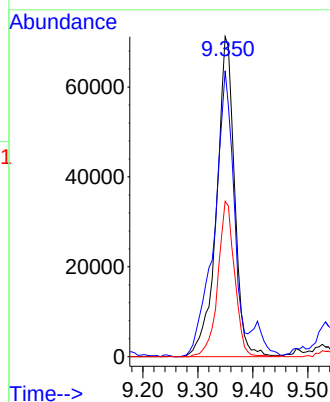
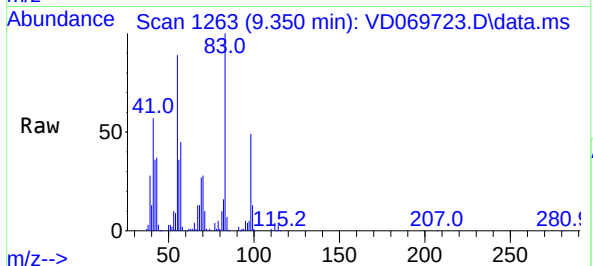


#39
Methylcyclohexane
Concen: 13.752 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 83 Resp: 162146

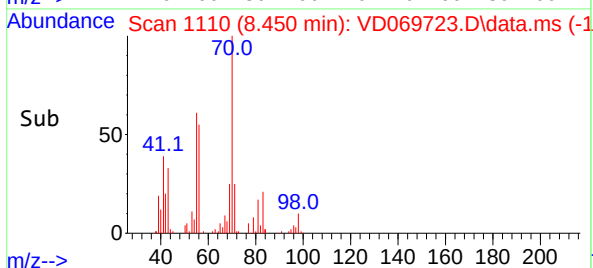
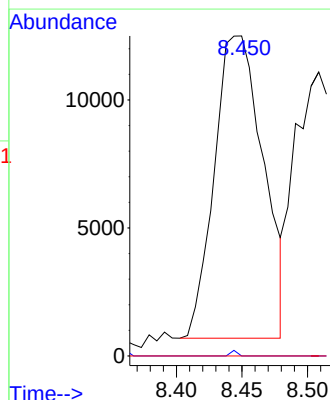
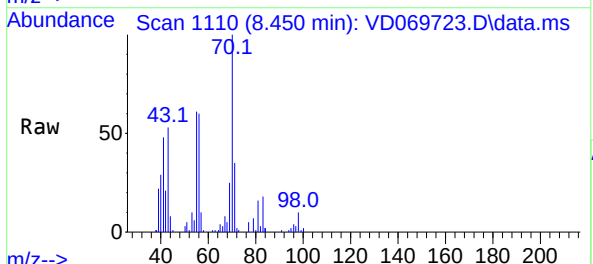
Ion	Ratio	Lower	Upper
83	100		
55	89.4	64.6	97.0
98	48.5	38.4	57.6

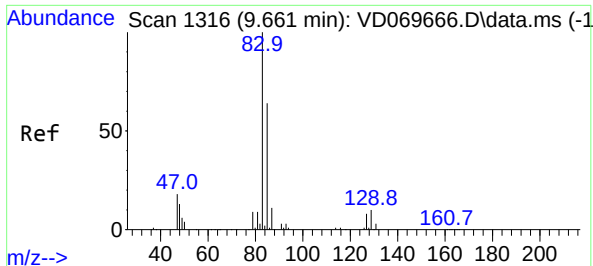


#43
Isopropyl Acetate
Concen: 4.005 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 43 Resp: 30681

Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.8	41.6#
87	0.0	11.0	16.6#

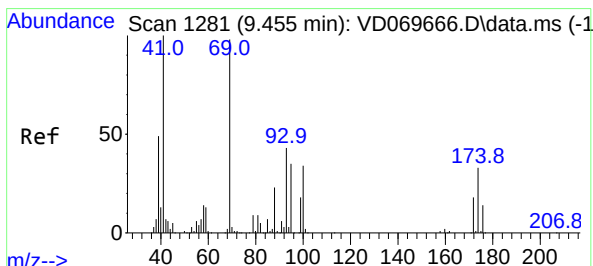
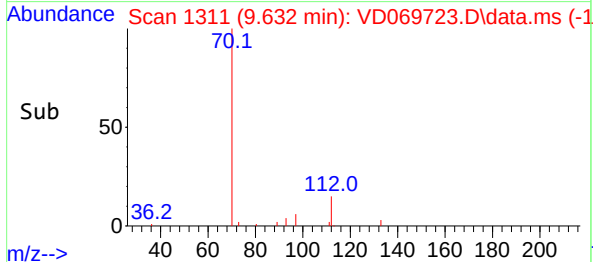
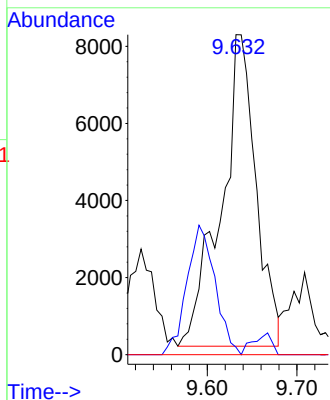
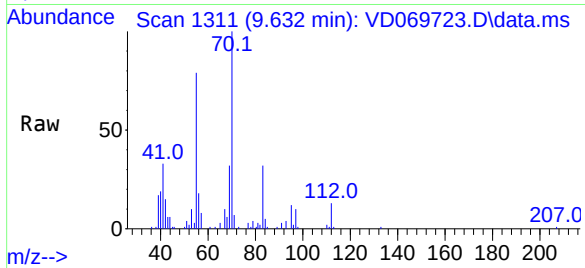




#47
Bromodichloromethane
Concen: 2.019 ug/l
RT: 9.632 min Scan# 1311
Delta R.T. -0.029 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

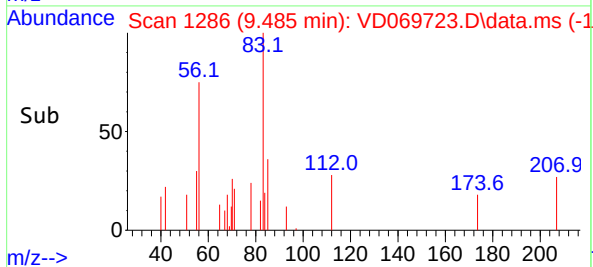
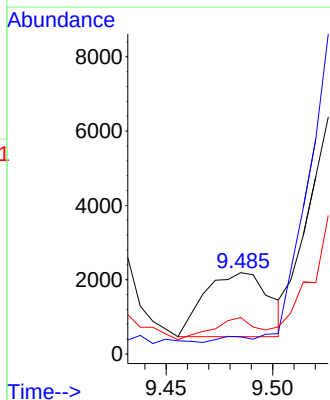
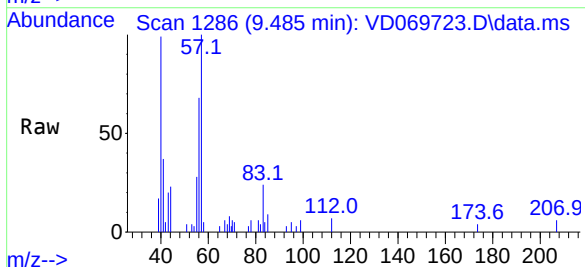
Instrument :
MSVOA_D
ClientSampleId :

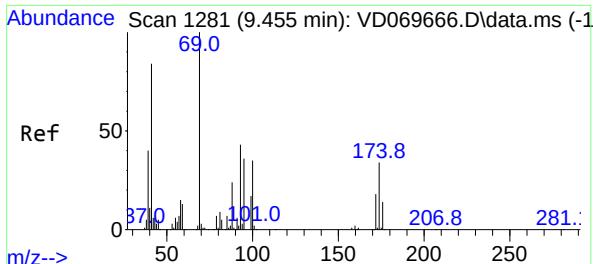
Tgt Ion: 83 Resp: 21898
Ion Ratio Lower Upper
83 100
85 2.4 51.4 77.0#
127 0.0 6.7 10.1#



#48
Methyl methacrylate
Concen: 1.993 ug/l
RT: 9.485 min Scan# 1286
Delta R.T. 0.030 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 41 Resp: 3622
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#

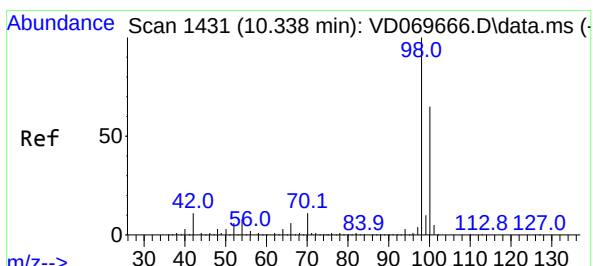
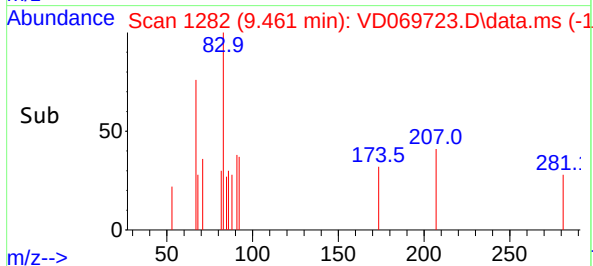
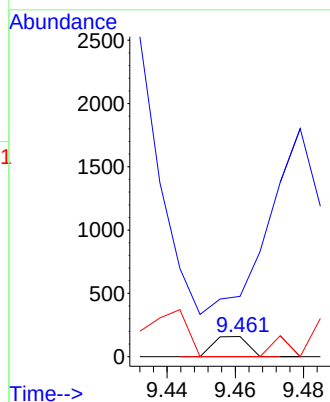
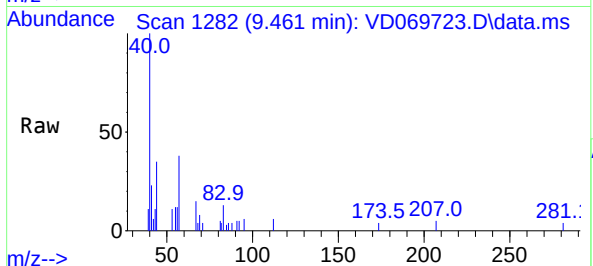




#49
1,4-Dioxane
Concen: 103.156 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

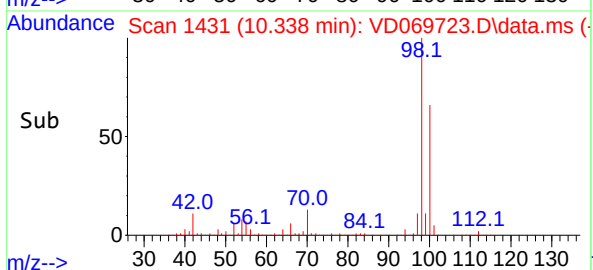
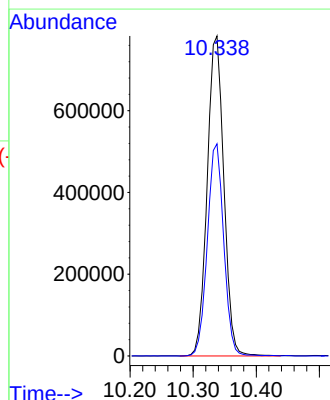
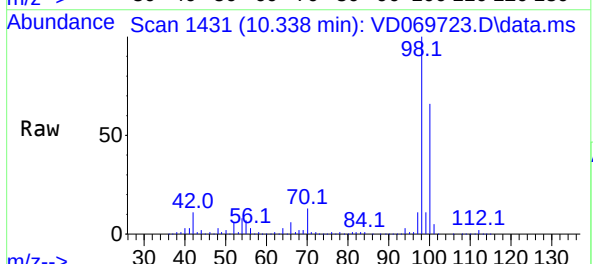
Instrument :
MSVOA_D
ClientSampleId :

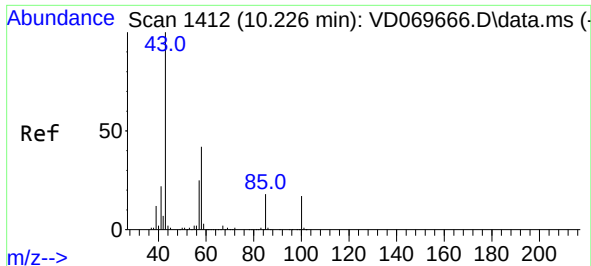
Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 62.6 94.0#



#50
Toluene-d8
Concen: 51.350 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 98 Resp: 1434644
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

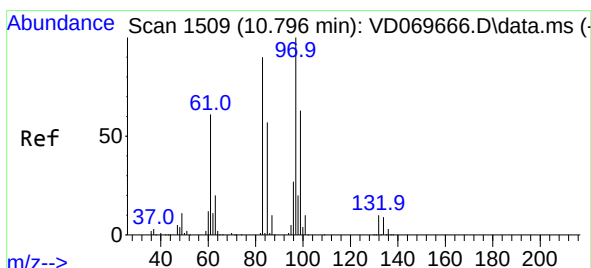
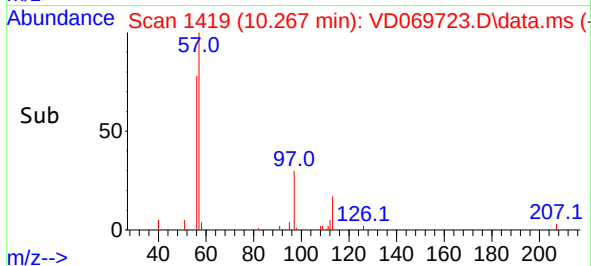
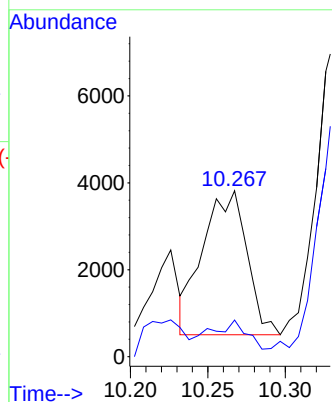
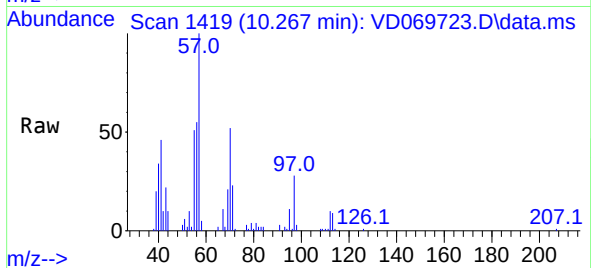




#51
4-Methyl-2-Pentanone
Concen: 1.652 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

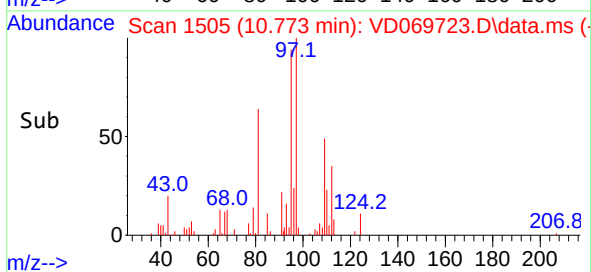
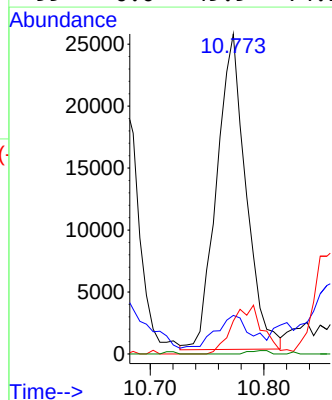
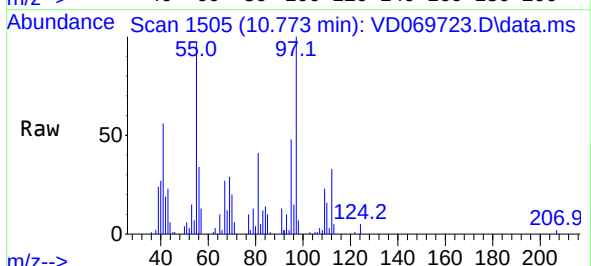
Instrument :
MSVOA_D
ClientSampled :

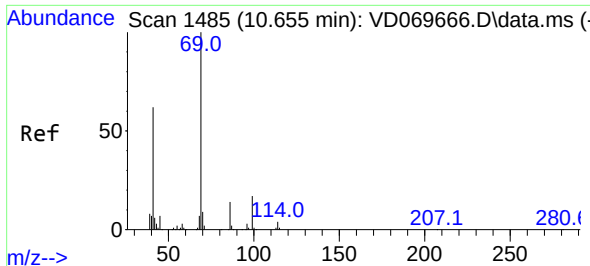
Tgt Ion: 43 Resp: 6554
Ion Ratio Lower Upper
43 100
58 16.1 33.5 50.3#



#55
1,1,2-Trichloroethane
Concen: 7.957 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 97 Resp: 45544
Ion Ratio Lower Upper
97 100
83 10.5 72.3 108.5#
85 10.6 45.5 68.3#
99 0.0 49.9 74.9#

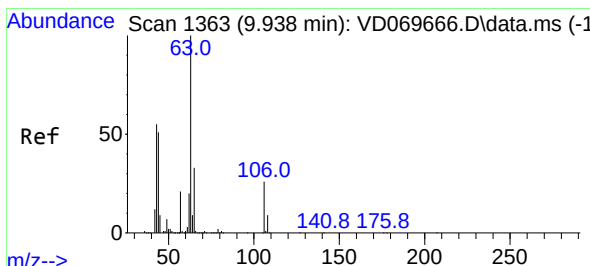
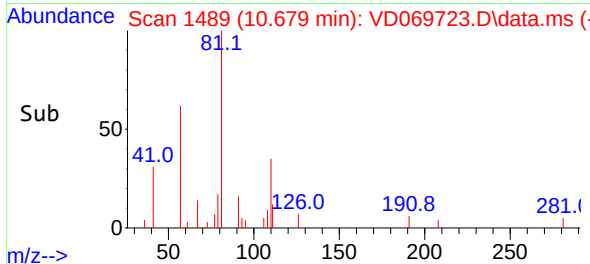
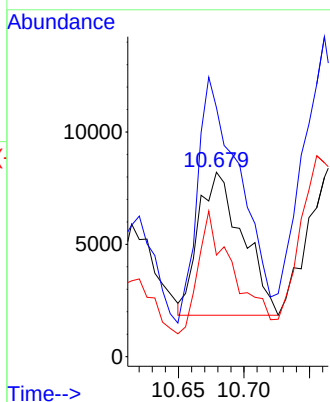
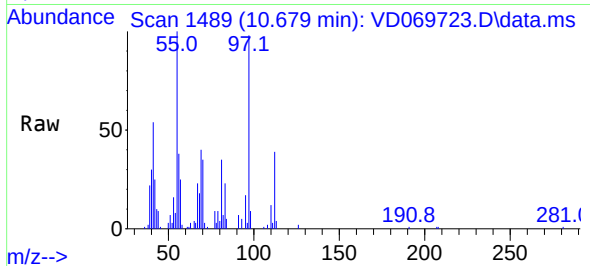




#56
Ethyl methacrylate
Concen: 3.638 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

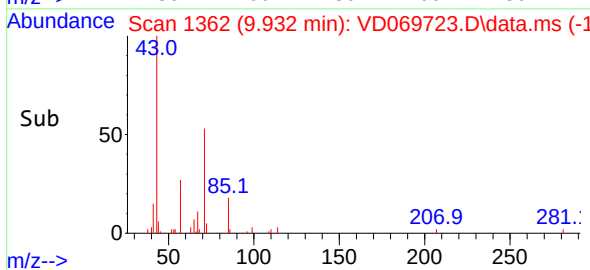
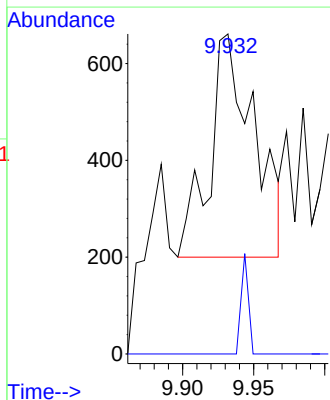
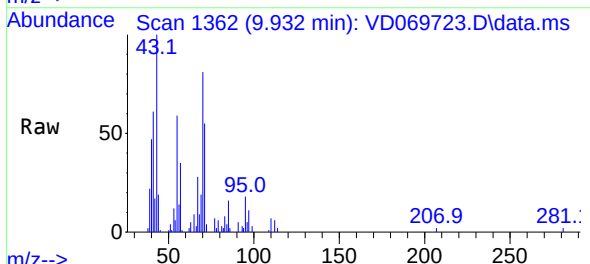
Instrument :
MSVOA_D
ClientSampleId :

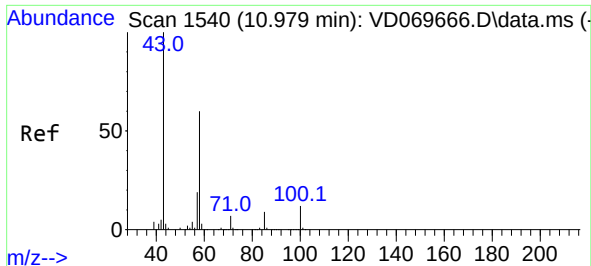
Tgt Ion: 69 Resp: 14924
Ion Ratio Lower Upper
69 100
41 166.6 49.5 74.3#
39 70.9 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.658 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 63 Resp: 1007
Ion Ratio Lower Upper
63 100
106 7.2 21.1 31.7#

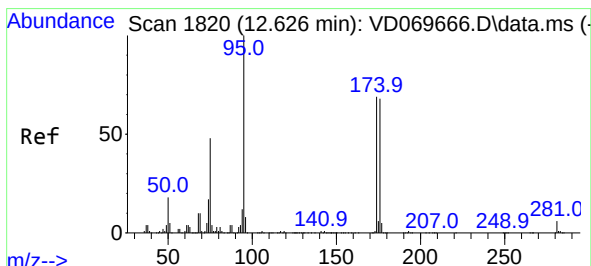
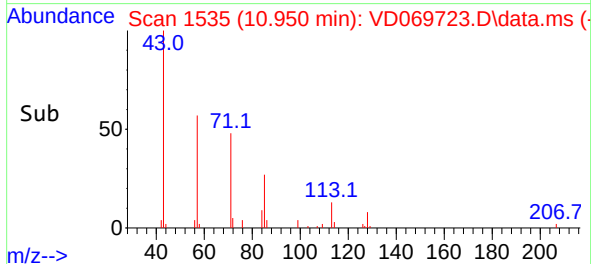
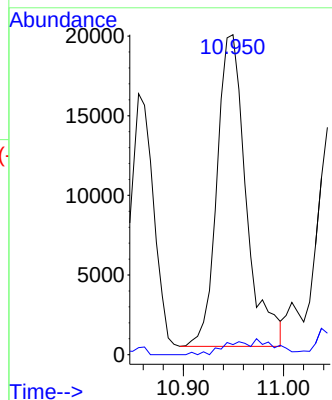
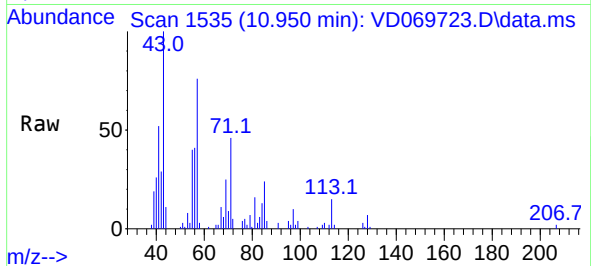




#59
2-Hexanone
Concen: 14.951 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

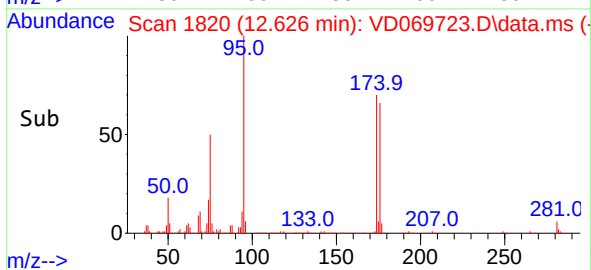
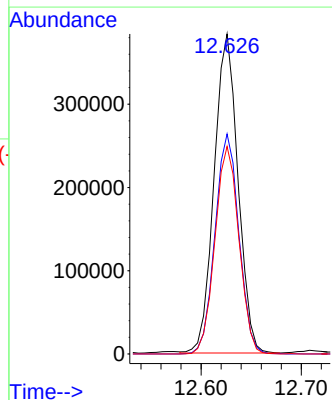
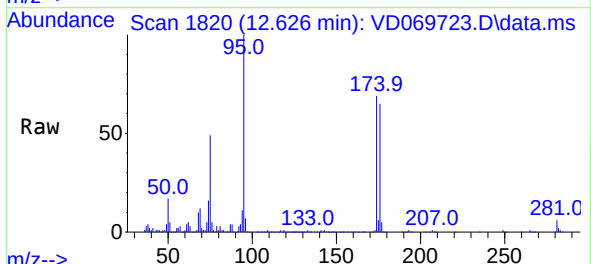
Instrument :
MSVOA_D
ClientSampled :

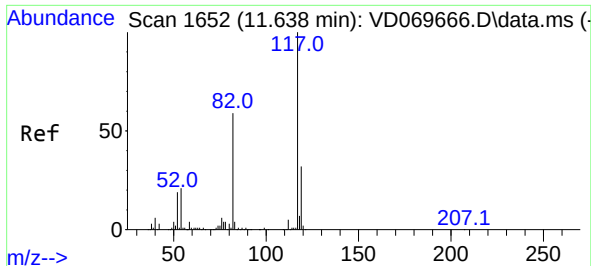
Tgt Ion: 43 Resp: 39533
Ion Ratio Lower Upper
43 100
58 3.9 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 67.905 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 95 Resp: 632726
Ion Ratio Lower Upper
95 100
174 69.0 0.0 140.0
176 65.3 0.0 136.2

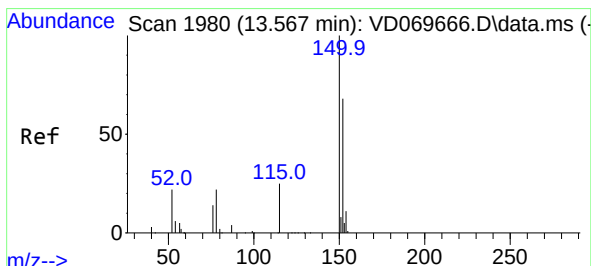
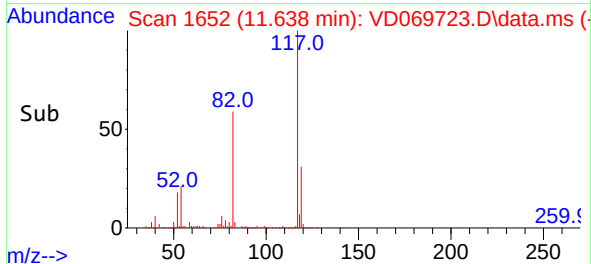
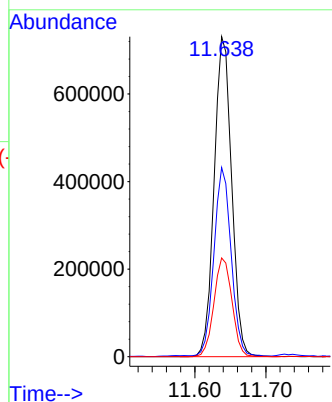
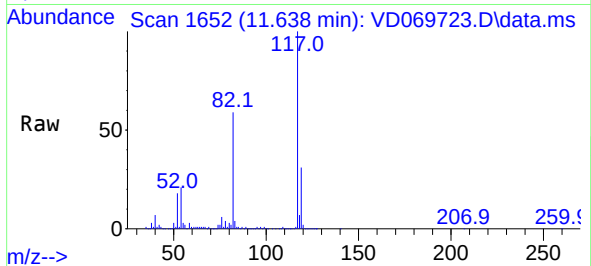




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

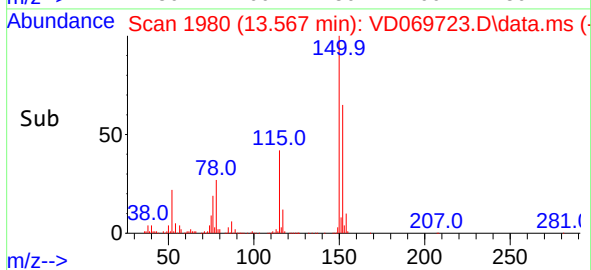
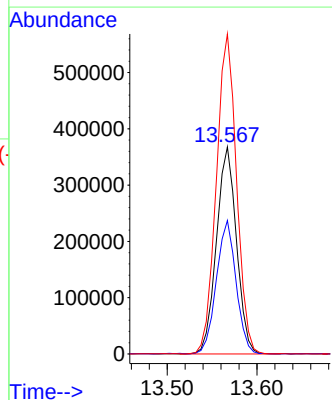
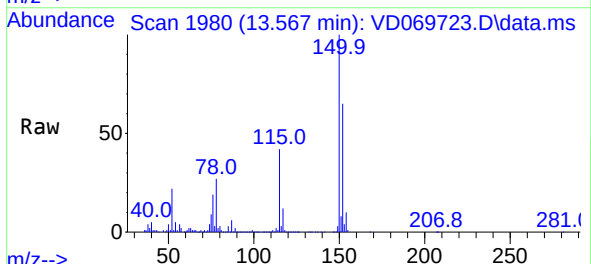
Instrument :
MSVOA_D
ClientSampleId :

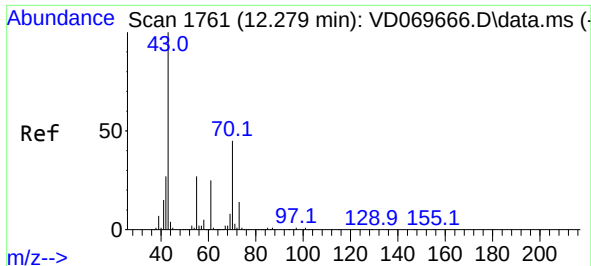
Tgt Ion:117 Resp: 1246960
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 30.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion:152 Resp: 570743
Ion Ratio Lower Upper
152 100
115 63.5 31.7 95.1
150 155.8 0.0 350.4



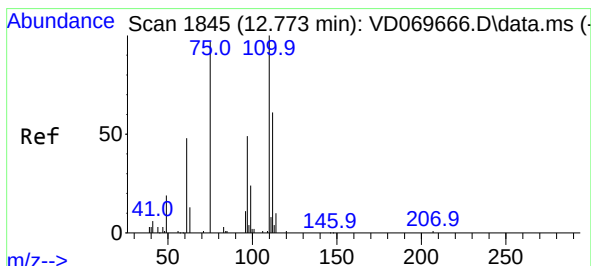
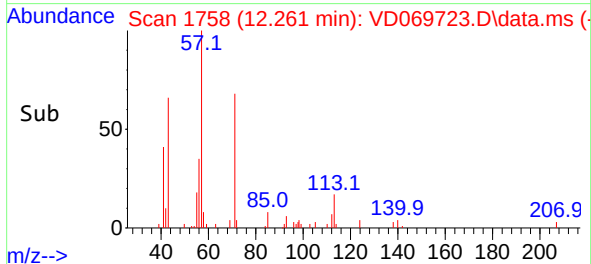
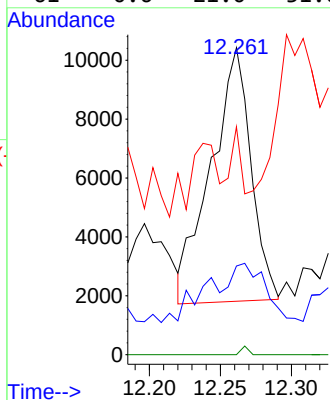
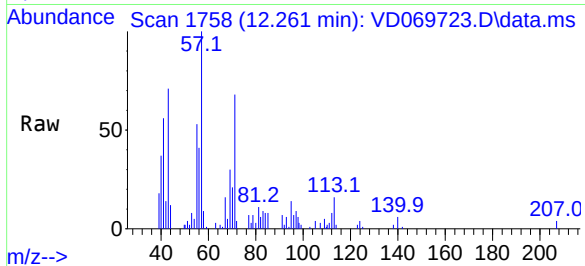


#74
N-amy1 acetate
Concen: 1.911 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43 Resp: 16873

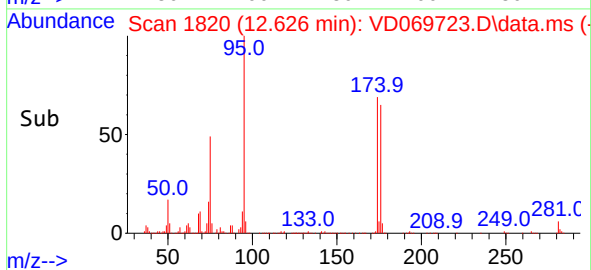
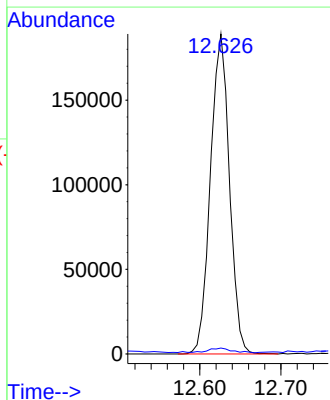
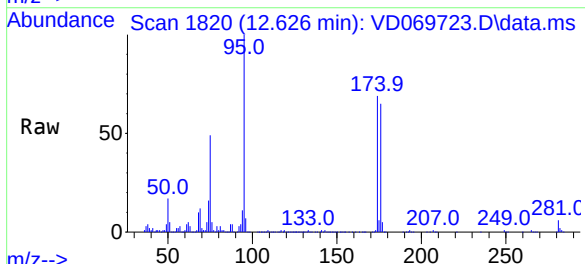
Ion	Ratio	Lower	Upper
43	100		
70	20.1	36.9	55.3#
55	0.0	22.4	33.6#
61	0.6	21.0	31.6#

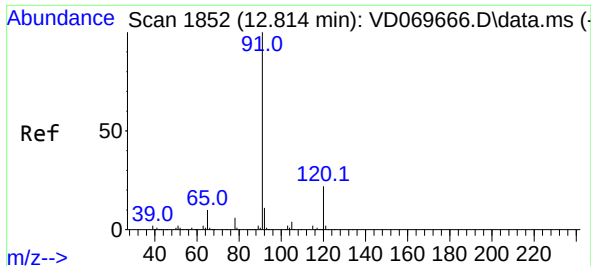


#76
1,2,3-Trichloropropane
Concen: 55.441 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 75 Resp: 307396

Ion	Ratio	Lower	Upper
75	100		
77	1.9	0.0	0.0#

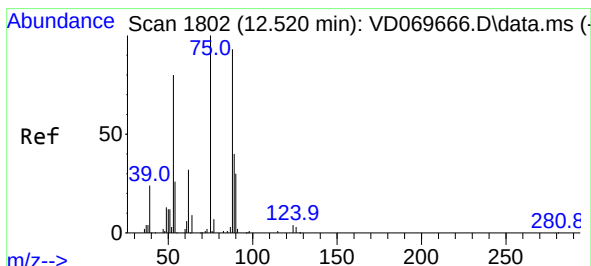
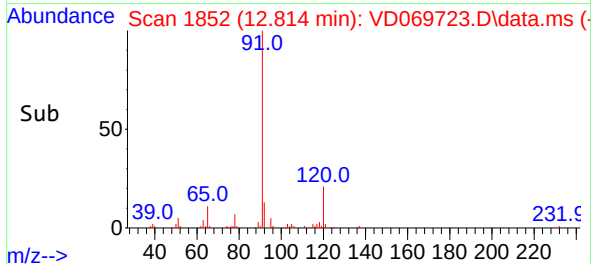
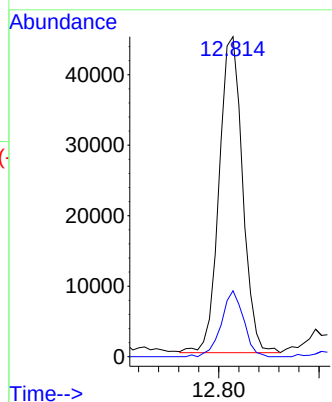
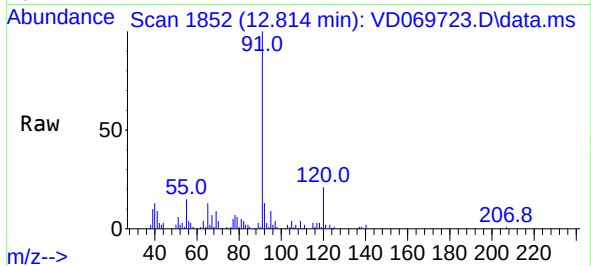




#78
n-propylbenzene
Concen: 1.414 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

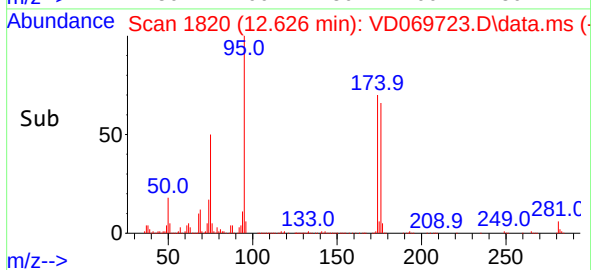
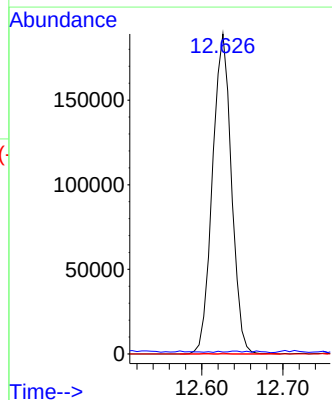
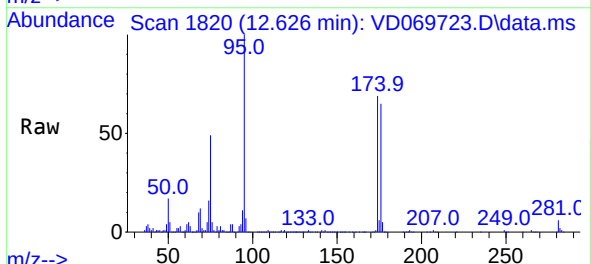
Instrument :
MSVOA_D
ClientSampled :

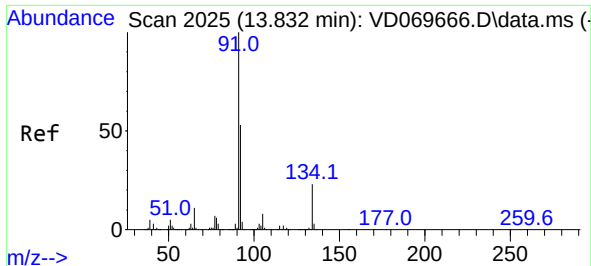
Tgt Ion: 91 Resp: 72875
Ion Ratio Lower Upper
91 100
120 19.8 10.8 32.4



#81
trans-1,4-Dichloro-2-butene
Concen: 148.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 75 Resp: 307396
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.1 35.1 52.7#

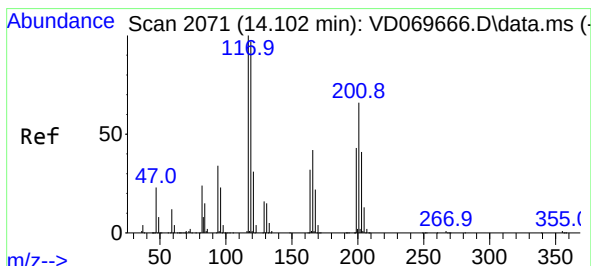
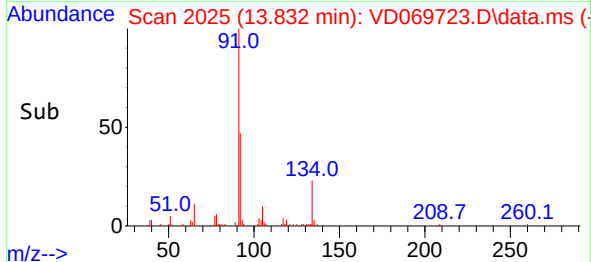
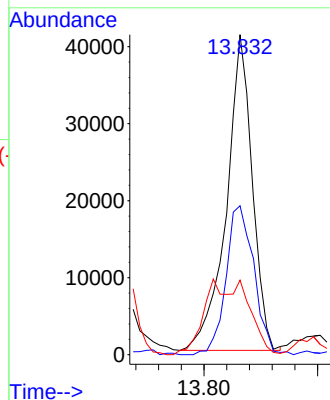
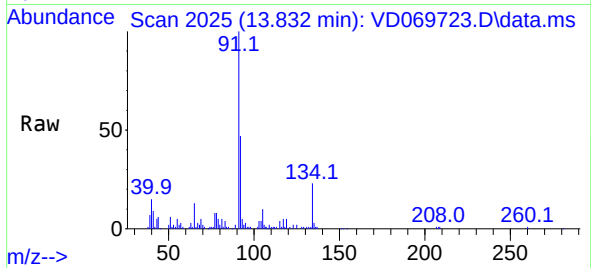




#89
n-Butylbenzene
Concen: 1.814 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

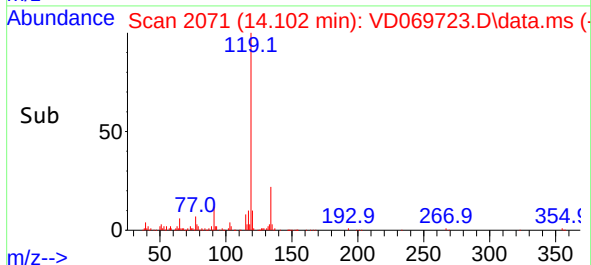
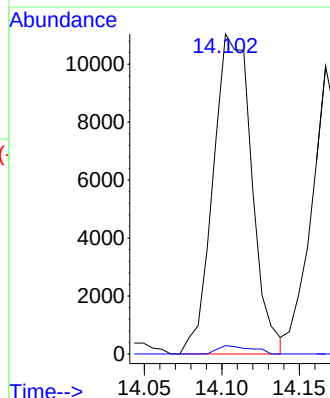
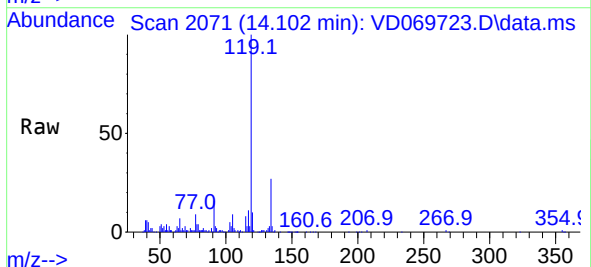
Instrument :
MSVOA_D
ClientSampled :

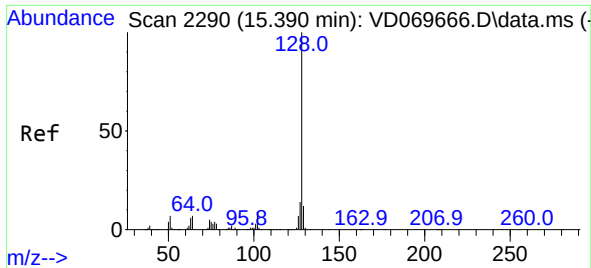
Tgt Ion: 91 Resp: 64633
Ion Ratio Lower Upper
91 100
92 51.0 26.6 79.8
134 0.0 11.7 35.1#



#90
Hexachloroethane
Concen: 2.603 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Tgt Ion: 117 Resp: 19053
Ion Ratio Lower Upper
117 100
201 2.3 31.9 95.5#





#95
Naphthalene
Concen: 2.882 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069723.D
Acq: 16 Jul 2021 14:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 12794
Ion Ratio Lower Upper
128 100
127 18.8 10.6 16.0#
129 7.3 8.8 13.2#

