

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069629.D
 Acq On : 08 Jul 2021 15:10
 Operator : VA/SY
 Sample : M2967-08
 Misc : 4.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:03:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

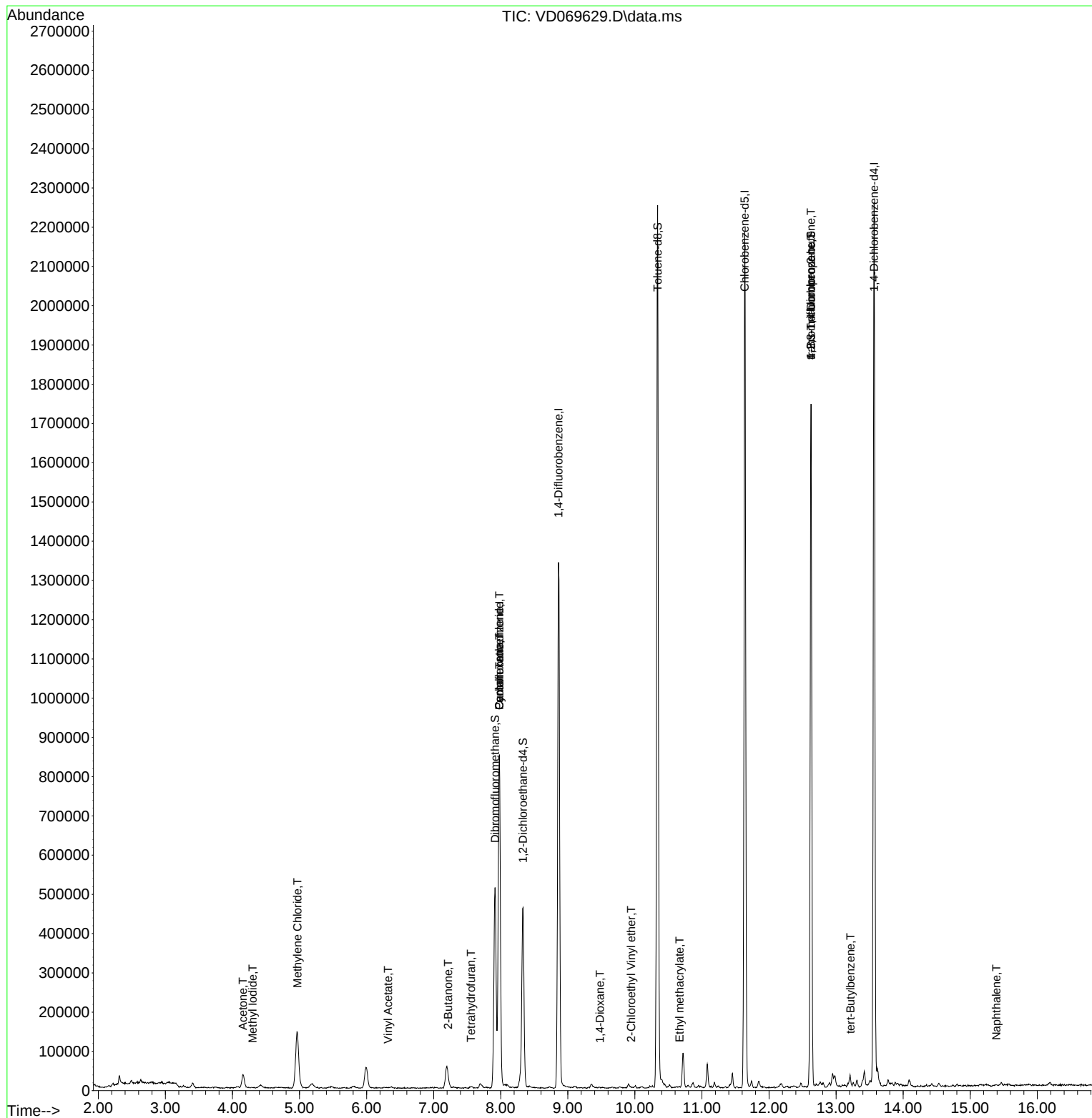
Internal Standards						
1) Pentafluorobenzene	7.979	168	599468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1141018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1246900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	575713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	368861	49.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.720%
35) Dibromofluoromethane	7.914	113	377838	48.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.980%
50) Toluene-d8	10.338	98	1496742	51.735	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.460%
62) 4-Bromofluorobenzene	12.626	95	582533	61.247	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.500%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2334	Below Cal		91
10) Methyl Iodide	4.303	142	1367	4.141 ug/l #		87
11) Tert butyl alcohol	5.185	59	11278	Below Cal #		83
16) Acetone	4.156	43	59786	47.536 ug/l		94
18) Methyl Acetate	4.720	43	892	Below Cal #		76
20) Methylene Chloride	4.967	84	115029	9.156 ug/l		95
23) Vinyl Acetate	6.320	43	786	19.079 ug/l #		70
25) 2-Butanone	7.214	43	16102	10.075 ug/l #		74
29) Tetrahydrofuran	7.556	42	2241	2.558 ug/l #		40
31) Cyclohexane	7.979	56	17060	1.696 ug/l #		1
38) Carbon Tetrachloride	7.979	117	64837	5.850 ug/l #		15
49) 1,4-Dioxane	9.479	88	128	2.994 ug/l #		23
56) Ethyl methacrylate	10.667	69	1869	2.827 ug/l #		85
58) 2-Chloroethyl Vinyl ether	9.944	63	1085	10.876 ug/l #		81
76) 1,2,3-Trichloropropane	12.626	75	294161	52.051 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	294161	129.965 ug/l #		12
83) tert-Butylbenzene	13.214	119	2930	2.086 ug/l		81
95) Naphthalene	15.390	128	2699	3.495 ug/l #		81

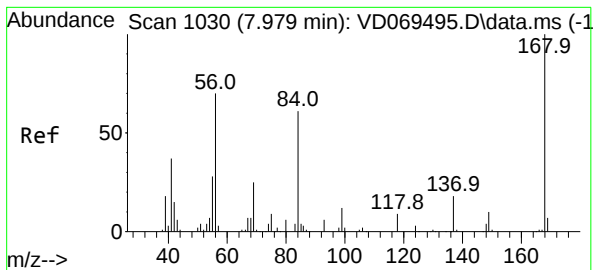
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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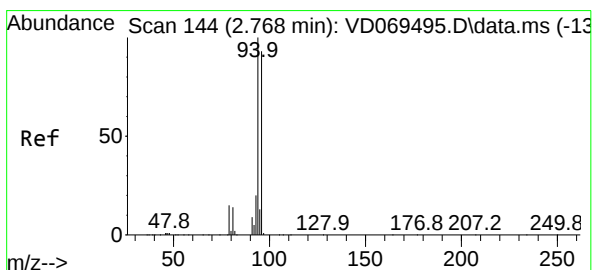
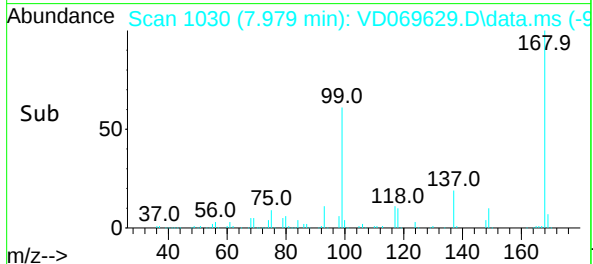
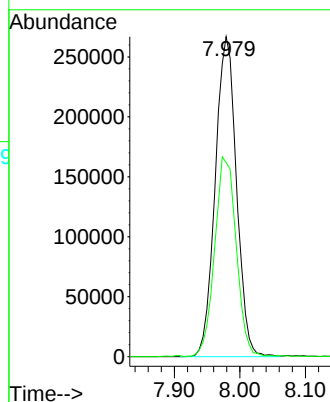
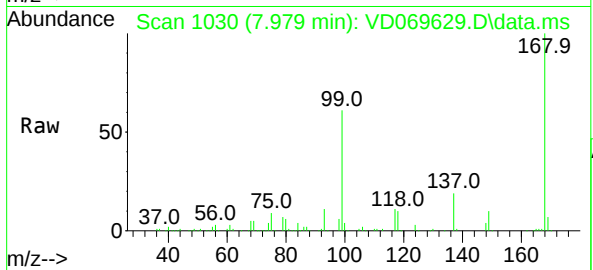




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

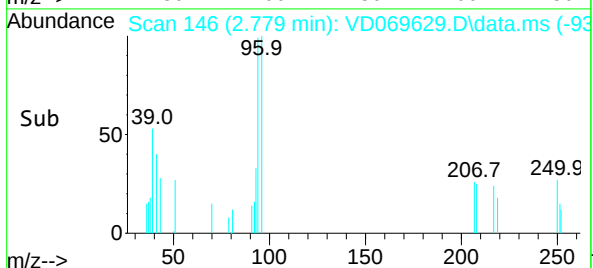
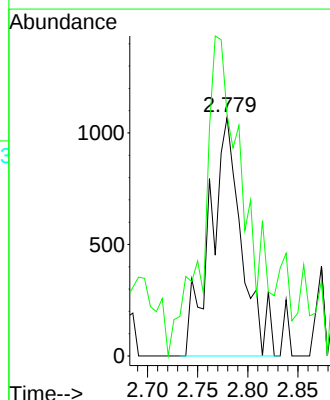
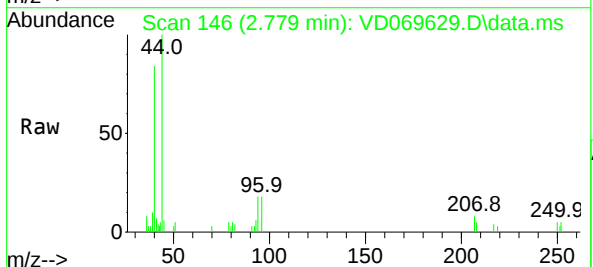
Instrument :
MSVOA_D
ClientSampled :

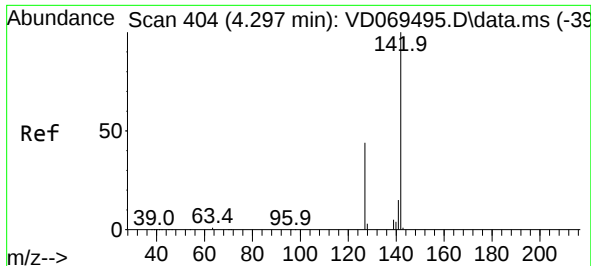
Tgt Ion:168 Resp: 599468
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

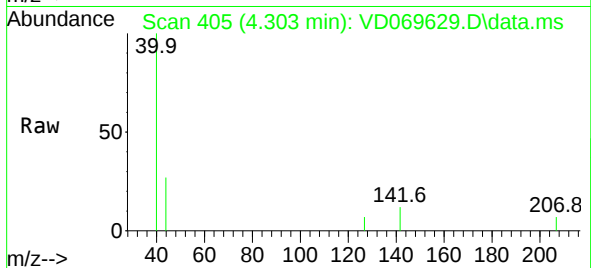
Tgt Ion: 94 Resp: 2334
Ion Ratio Lower Upper
94 100
96 84.5 74.6 111.8



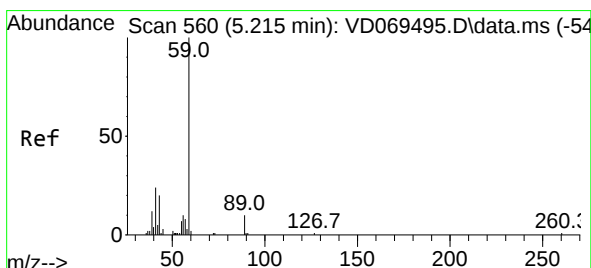
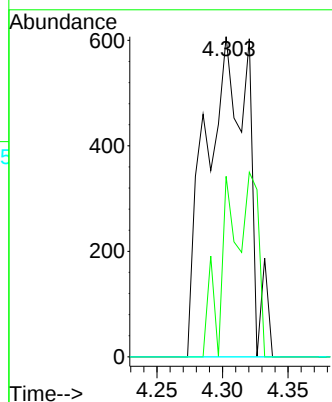
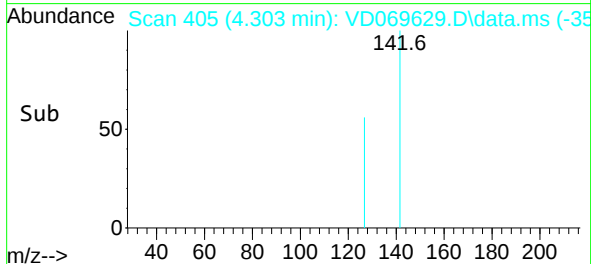


#10
Methyl Iodide
Concen: 4.141 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

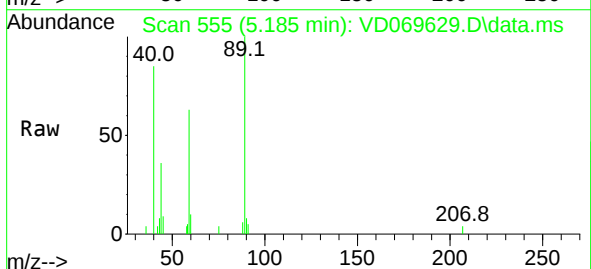
Instrument :
MSVOA_D
ClientSampled :



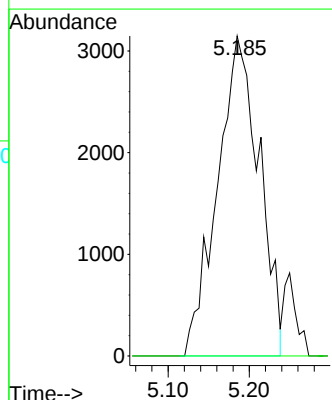
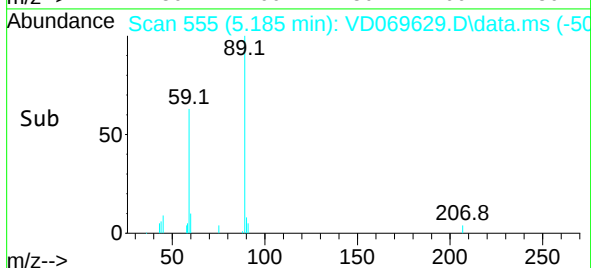
Tgt Ion:142 Resp: 1367
Ion Ratio Lower Upper
142 100
127 41.7 36.5 54.7
141 0.0 12.0 18.0#

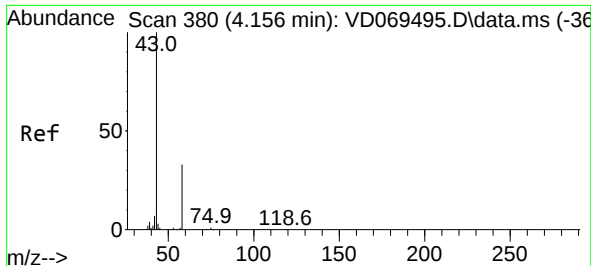


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10



Tgt Ion: 59 Resp: 11278
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

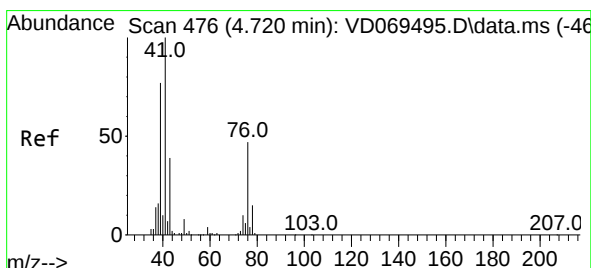
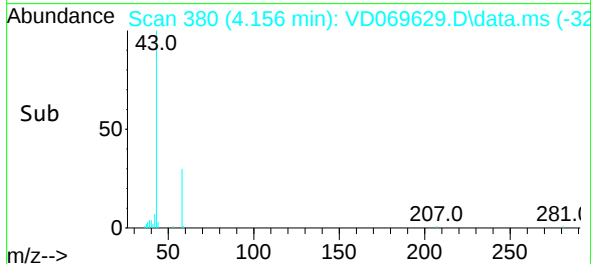
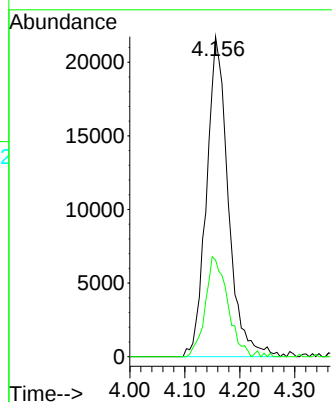
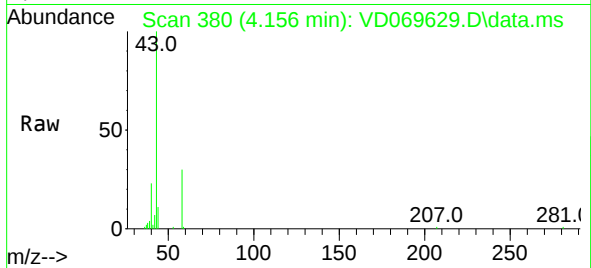




#16
Acetone
Concen: 47.536 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

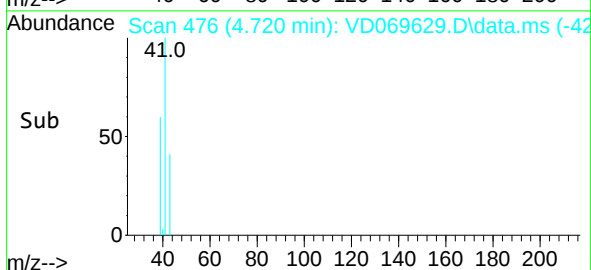
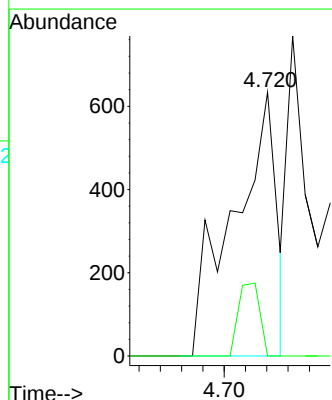
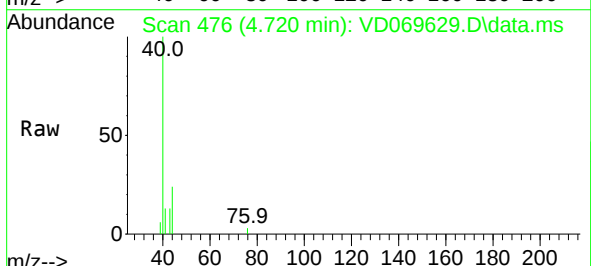
Instrument :
MSVOA_D
ClientSampleId :

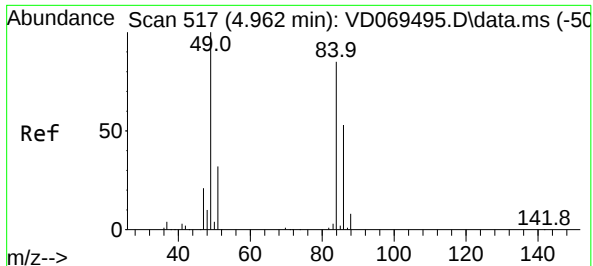
Tgt Ion: 43 Resp: 59786
Ion Ratio Lower Upper
43 100
58 30.2 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

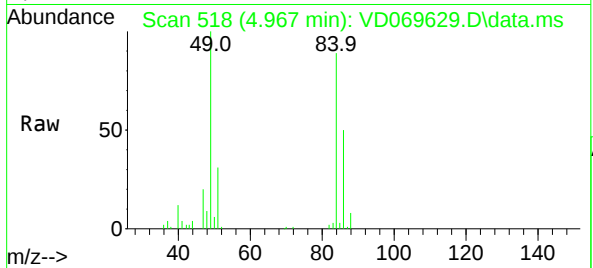
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
74 13.7 21.0 31.4#



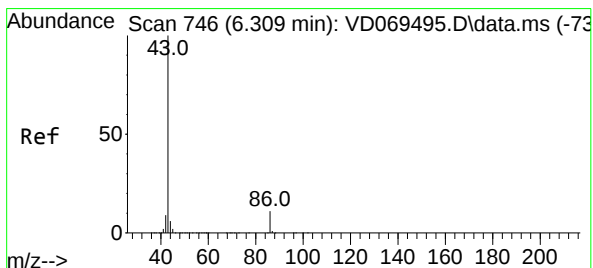
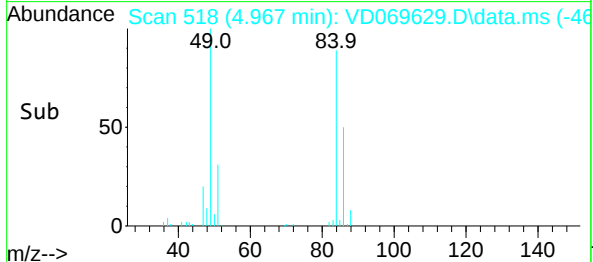
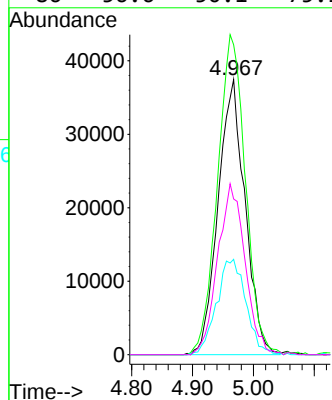


#20
Methylene Chloride
Concen: 9.156 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

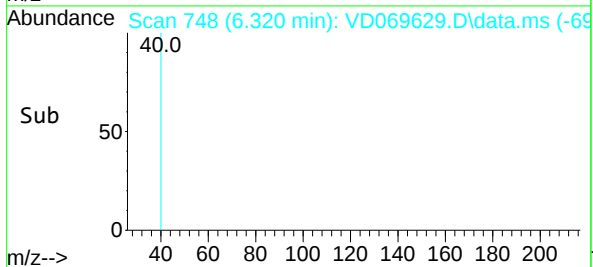
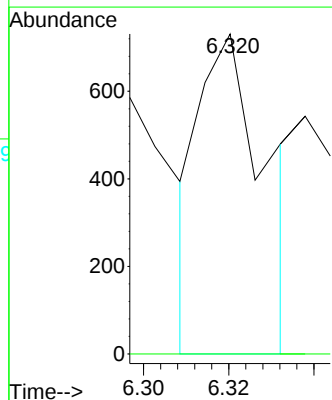
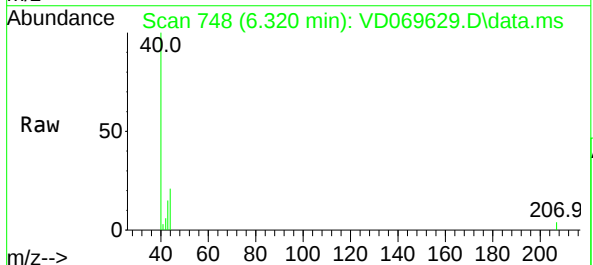


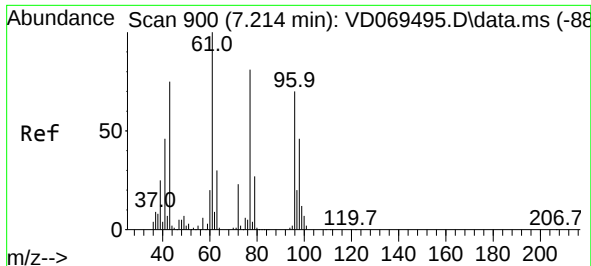
Tgt Ion:	84	Resp:	115029
Ion	Ratio	Lower	Upper
84	100		
49	112.6	94.0	141.0
51	34.6	29.7	44.5
86	56.6	50.1	75.1



#23
Vinyl Acetate
Concen: 19.079 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

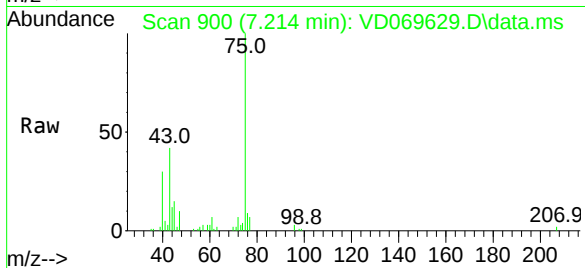
Tgt Ion:	43	Resp:	786
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



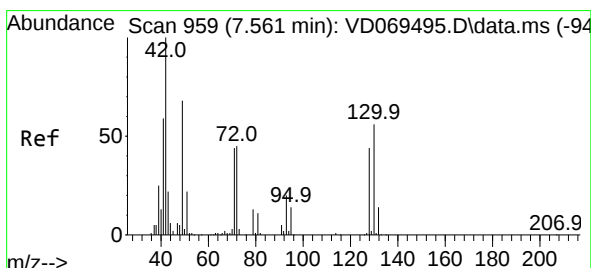
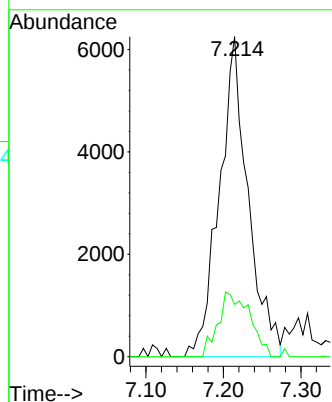
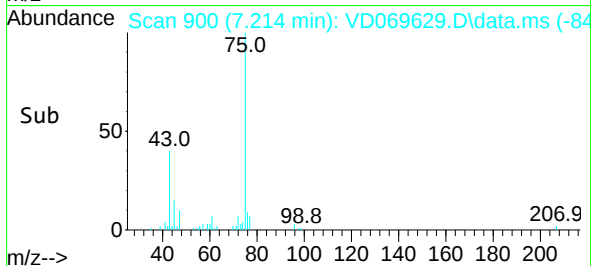


#25
2-Butanone
Concen: 10.075 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

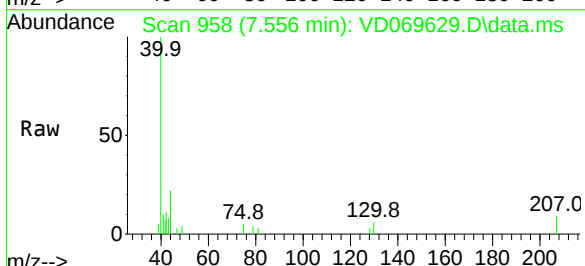
Instrument :
MSVOA_D
ClientSampleId :



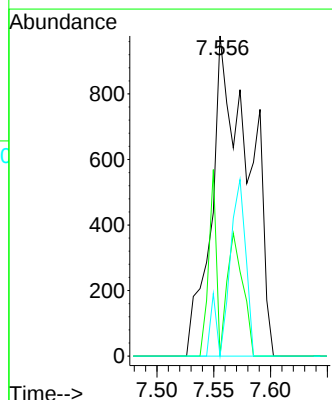
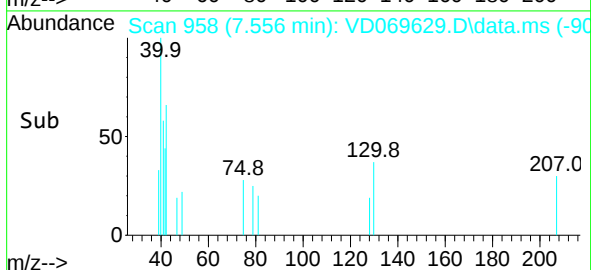
Tgt Ion: 43 Resp: 16102
Ion Ratio Lower Upper
43 100
72 16.3 24.3 36.5#

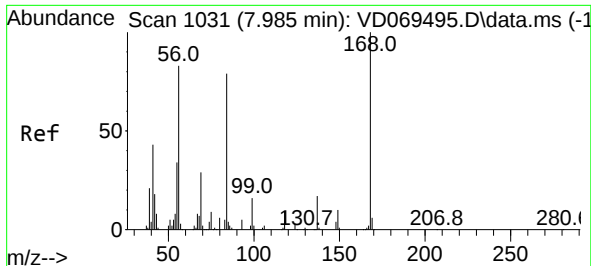


#29
Tetrahydrofuran
Concen: 2.558 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10



Tgt Ion: 42 Resp: 2241
Ion Ratio Lower Upper
42 100
72 11.6 37.9 56.9#
71 0.0 35.1 52.7#

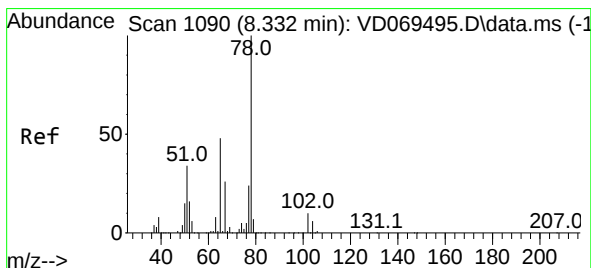
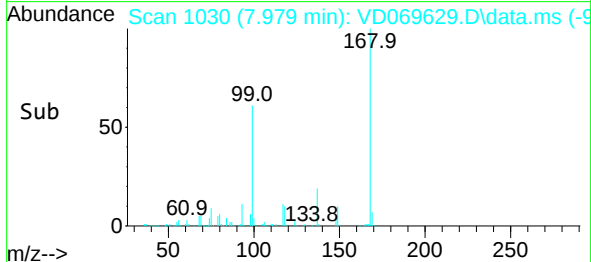
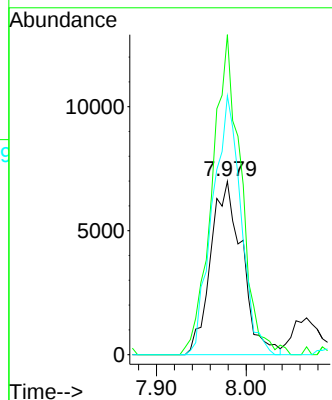
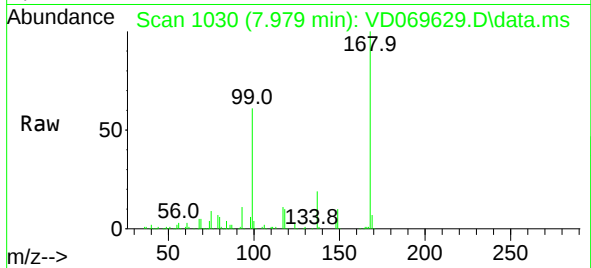




#31
Cyclohexane
Concen: 1.696 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

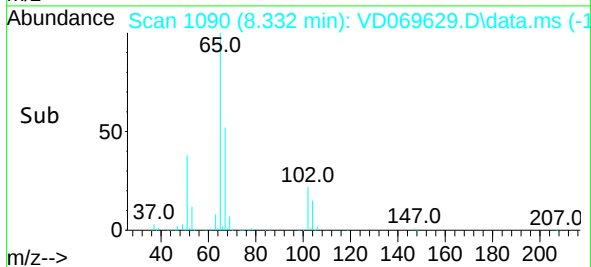
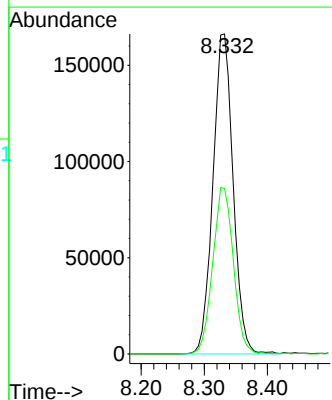
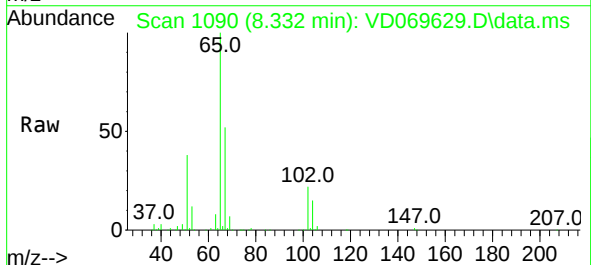
Instrument :
MSVOA_D
ClientSampled :

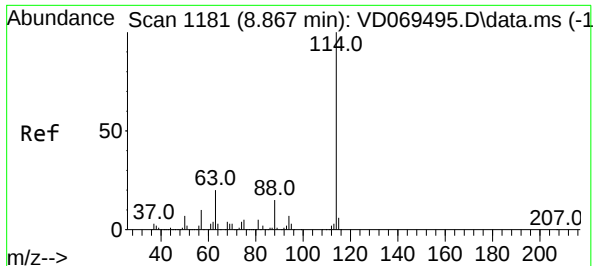
Tgt Ion: 56 Resp: 17060
Ion Ratio Lower Upper
56 100
69 184.7 28.0 42.0#
84 149.4 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 49.364 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion: 65 Resp: 368861
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.6



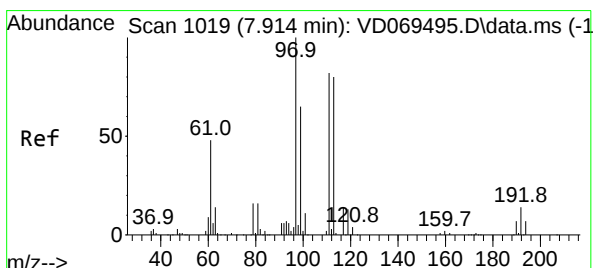
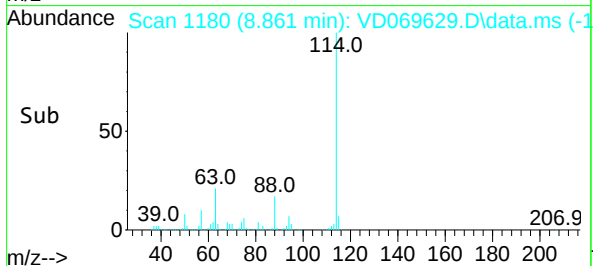
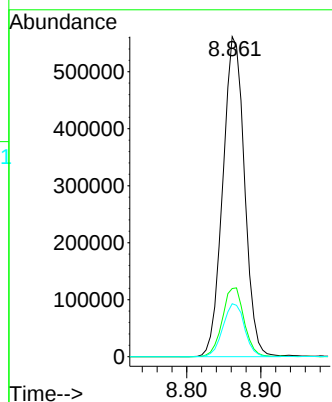
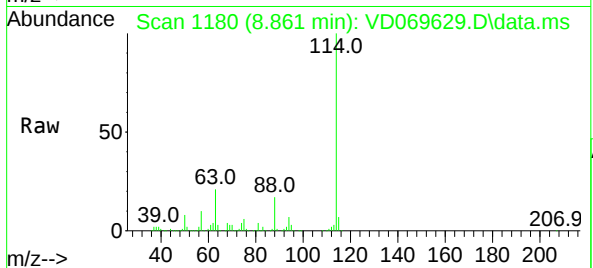


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Instrument :
MSVOA_D
ClientSampled :

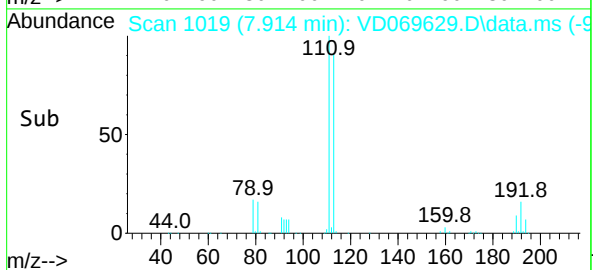
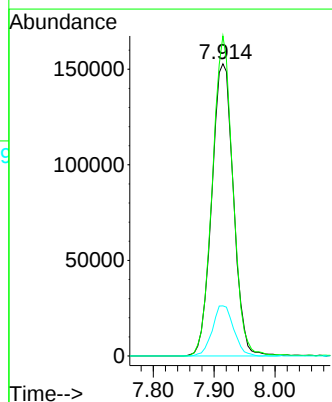
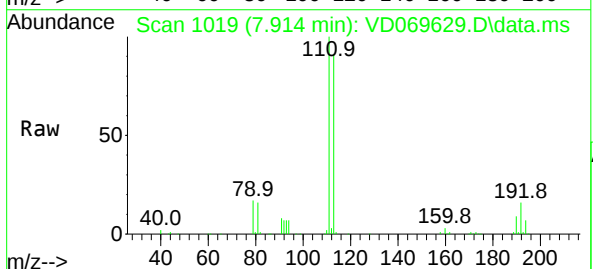
Tgt Ion:114 Resp: 1141018
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 16.5 0.0 29.8

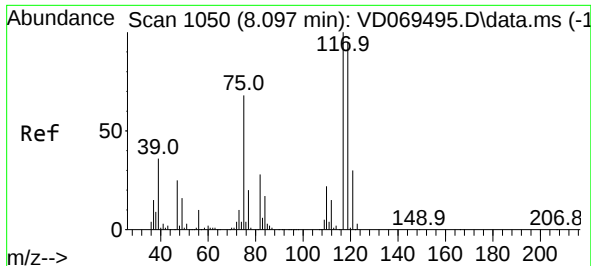


#35

Dibromofluoromethane
Concen: 48.987 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

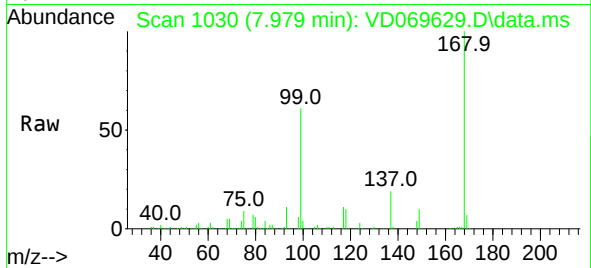
Tgt Ion:113 Resp: 377838
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 16.8 13.8 20.6



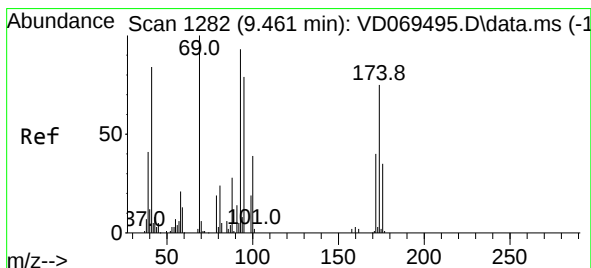
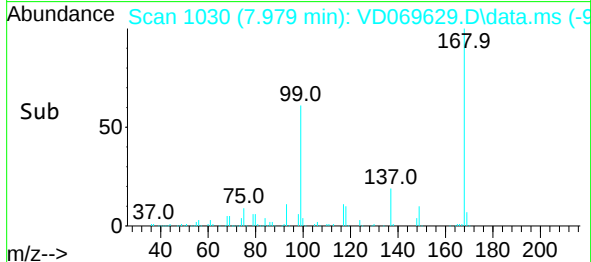
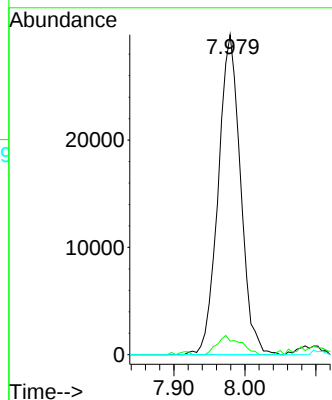


#38
Carbon Tetrachloride
Concen: 5.850 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

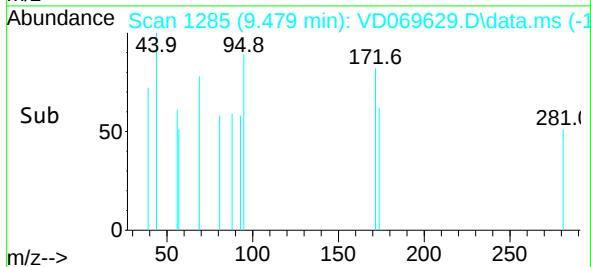
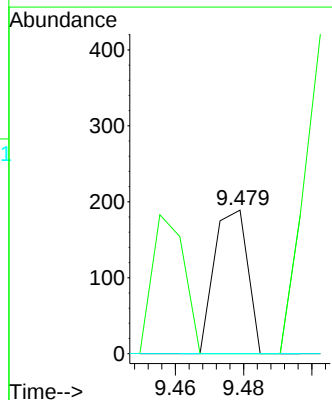
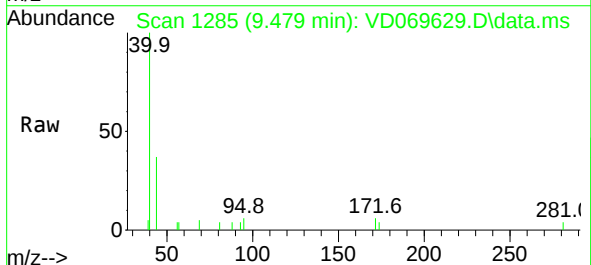


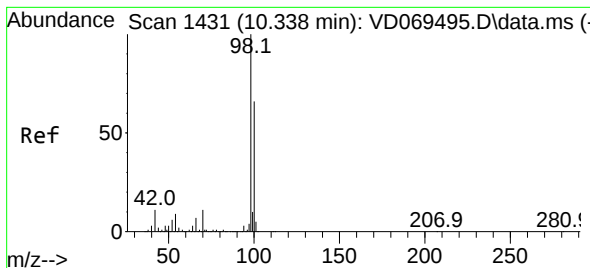
Tgt Ion:117 Resp: 64837
Ion Ratio Lower Upper
117 100
119 3.7 75.6 113.4#
121 0.0 23.8 35.8#



#49
1,4-Dioxane
Concen: 2.994 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.018 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

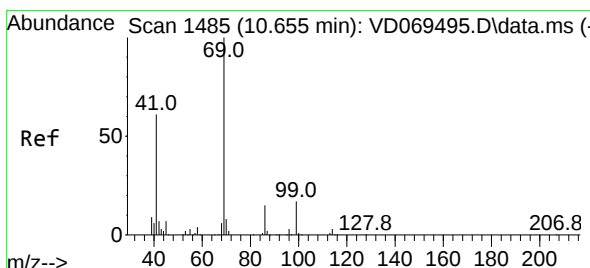
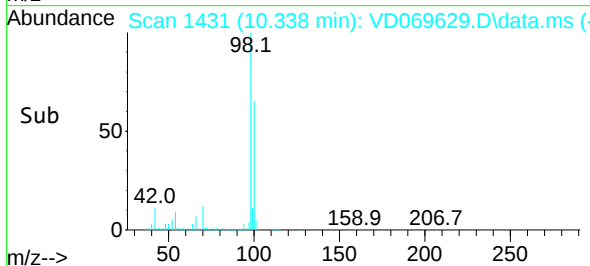
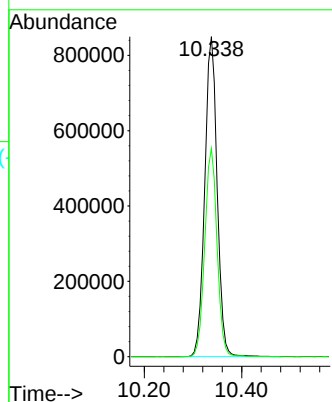
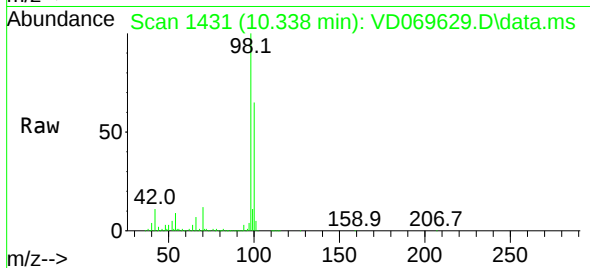




#50
Toluene-d8
Concen: 51.735 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

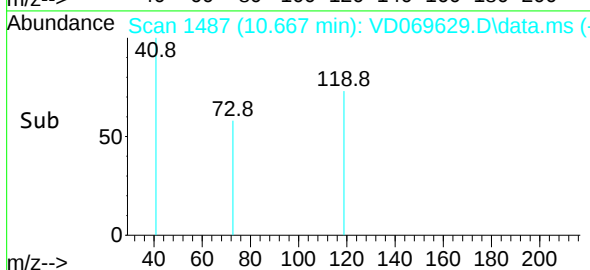
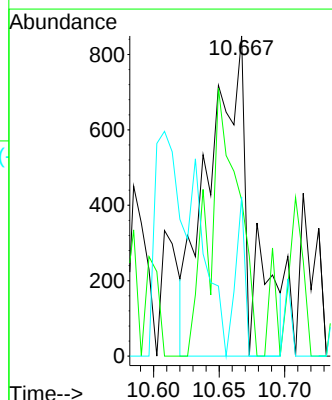
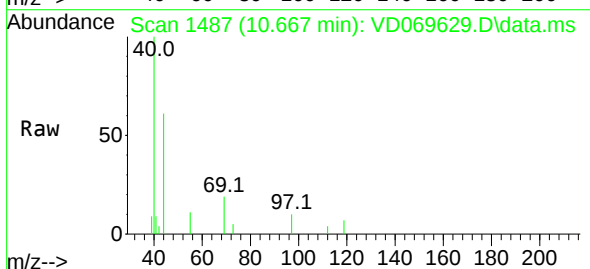
Instrument :
MSVOA_D
ClientSampled :

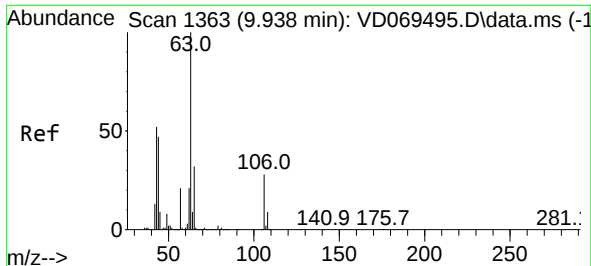
Tgt Ion: 98 Resp: 1496742
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.827 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion: 69 Resp: 1869
Ion Ratio Lower Upper
69 100
41 60.0 49.4 74.0
39 11.2 26.9 40.3#

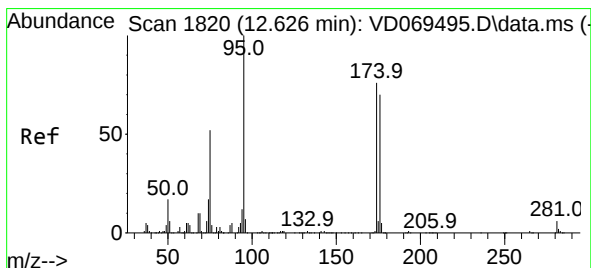
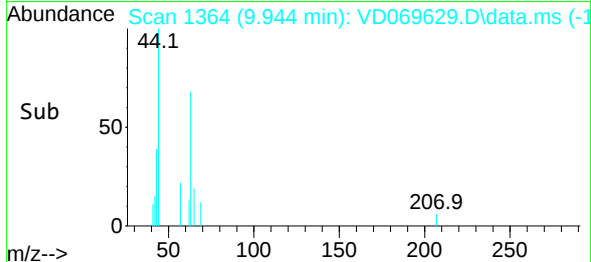
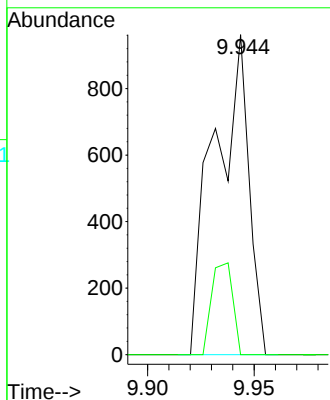
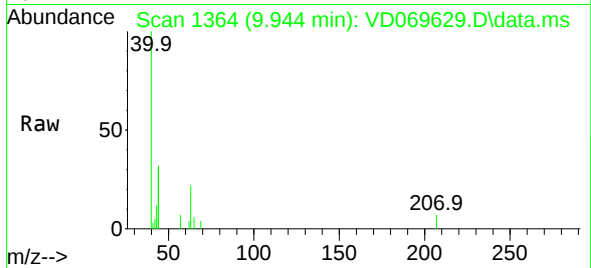




#58
2-Chloroethyl Vinyl ether
Concen: 10.876 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

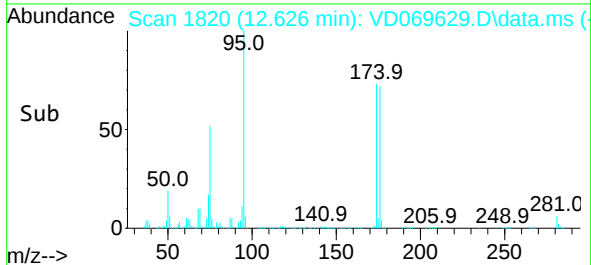
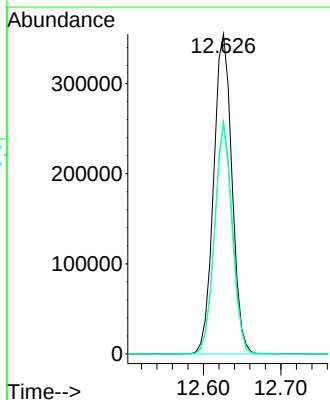
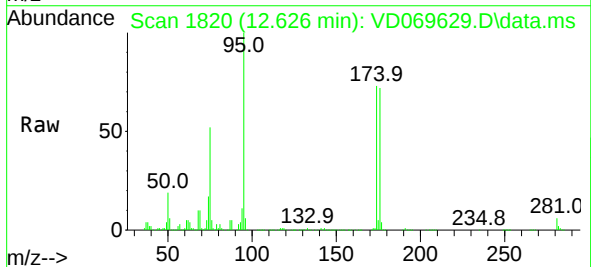
Instrument :
MSVOA_D
ClientSampled :

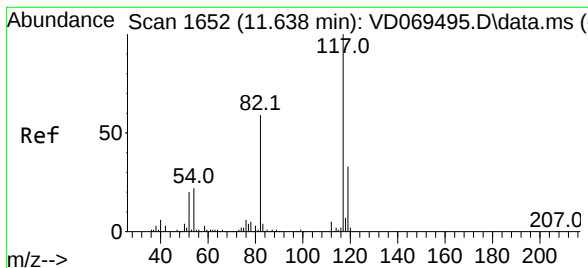
Tgt Ion: 63 Resp: 1085
Ion Ratio Lower Upper
63 100
106 17.5 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 61.247 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion: 95 Resp: 582533
Ion Ratio Lower Upper
95 100
174 70.8 0.0 148.0
176 68.4 0.0 139.8

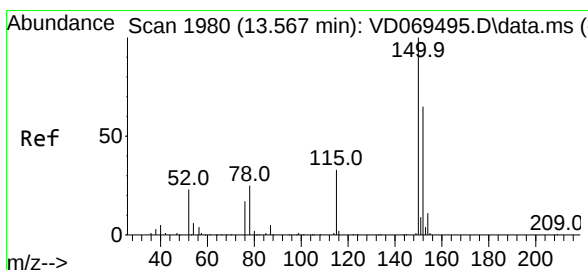
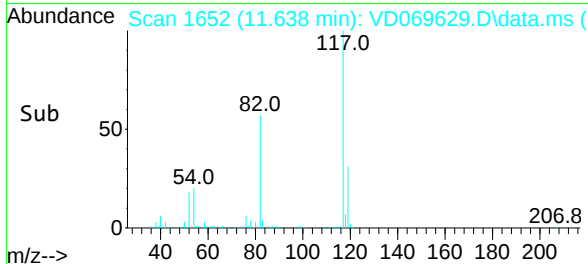
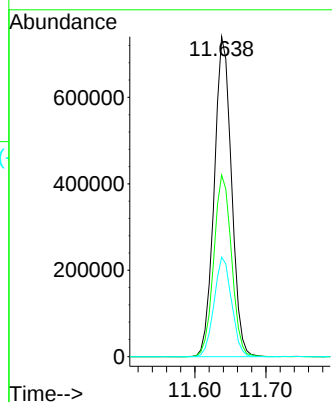
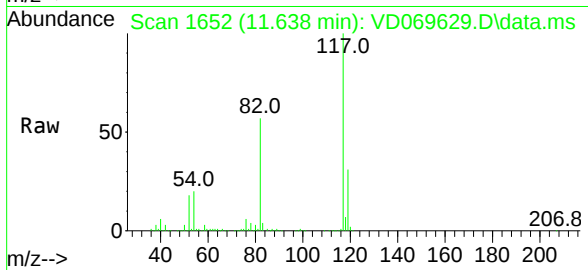




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

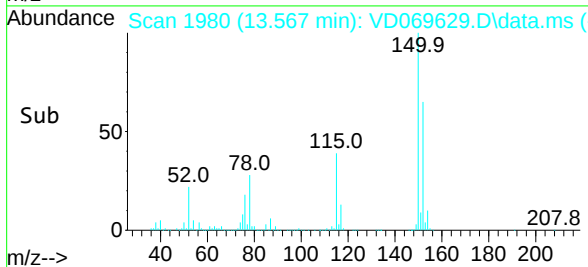
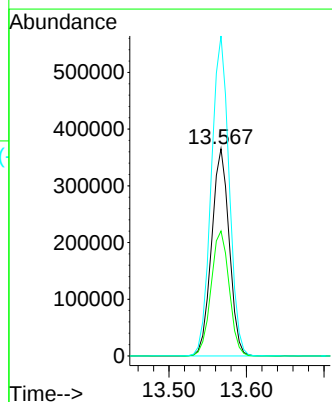
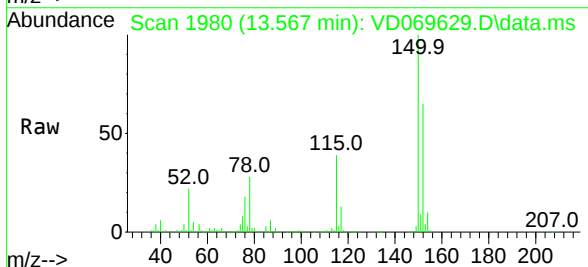
Instrument :
MSVOA_D
ClientSampleId :

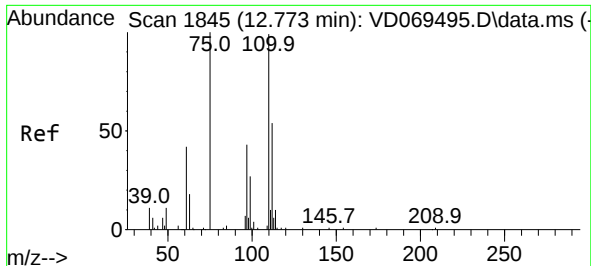
Tgt Ion:117 Resp: 1246900
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 31.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion:152 Resp: 575713
Ion Ratio Lower Upper
152 100
115 62.1 31.7 95.1
150 156.8 0.0 350.8

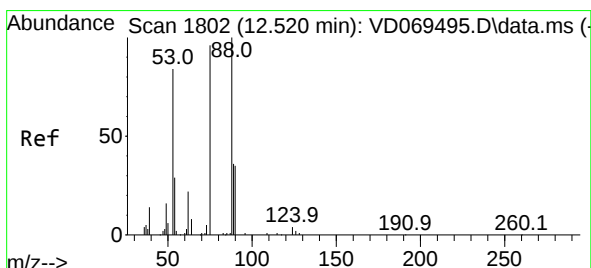
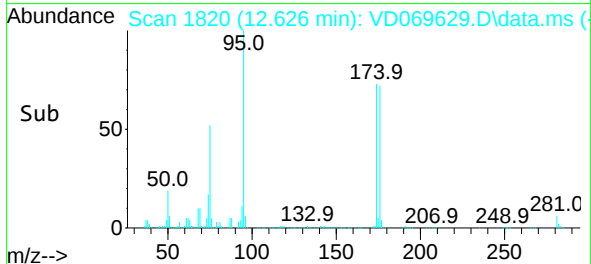
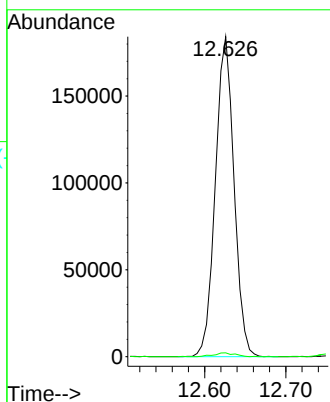
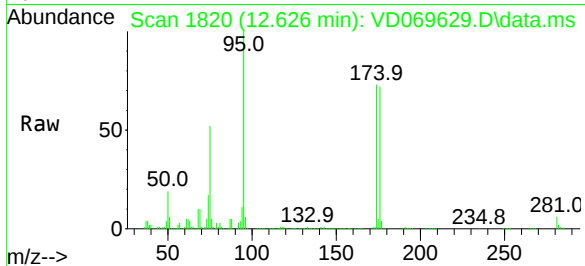




#76
1,2,3-Trichloropropane
Concen: 52.051 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

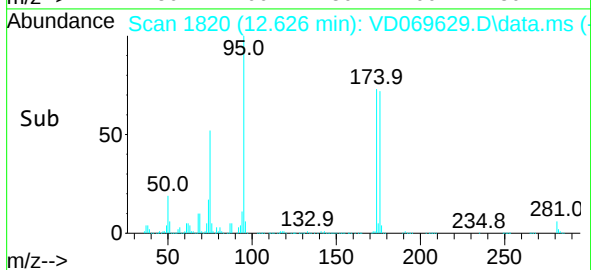
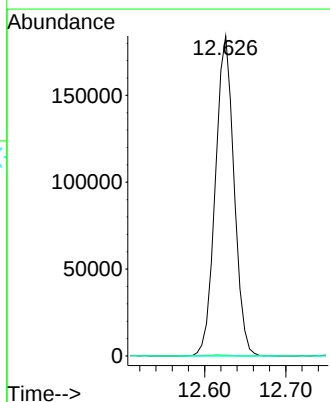
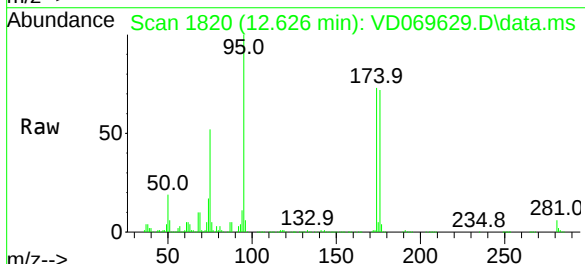
Instrument :
MSVOA_D
ClientSampleId :

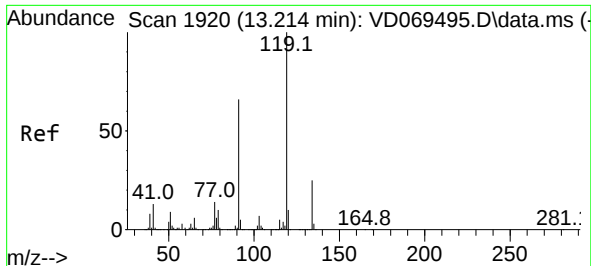
Tgt Ion: 75 Resp: 294161
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.965 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion: 75 Resp: 294161
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

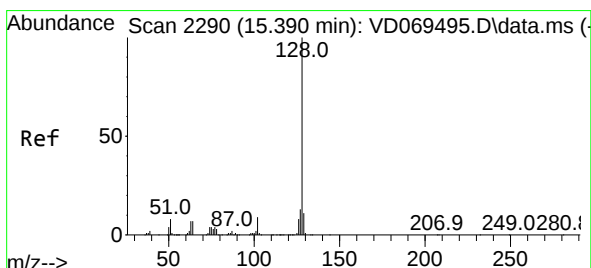
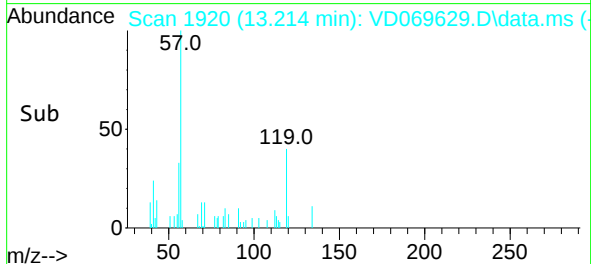
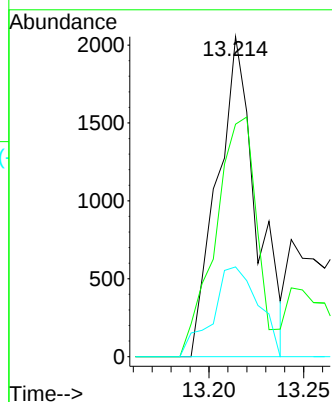
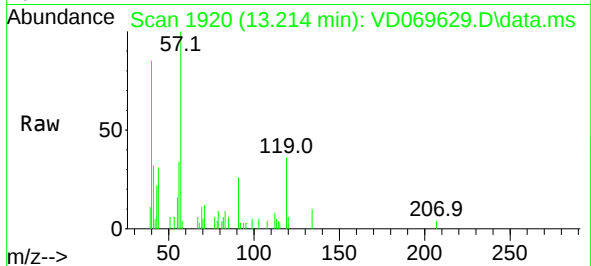




#83
tert-Butylbenzene
Concen: 2.086 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	2930
Ion Ratio	Lower	Upper	
119	100		
91	80.9	32.5	97.4
134	33.1	12.9	38.7



#95
Naphthalene
Concen: 3.495 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069629.D
Acq: 08 Jul 2021 15:10

Tgt Ion:	128	Resp:	2699
Ion Ratio	Lower	Upper	
128	100		
127	6.3	10.6	16.0#
129	2.7	8.7	13.1#

