

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069794.D
 Acq On : 21 Jul 2021 16:43
 Operator : VA/SY
 Sample : M3135-01
 Misc : 4.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:42:15 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	536168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1015822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1202438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	566047	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	294227	43.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.900%
35) Dibromofluoromethane	7.914	113	319228	46.842	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.680%
50) Toluene-d8	10.338	98	1361486	51.423	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.840%
62) 4-Bromofluorobenzene	12.626	95	566828	64.193	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.380%

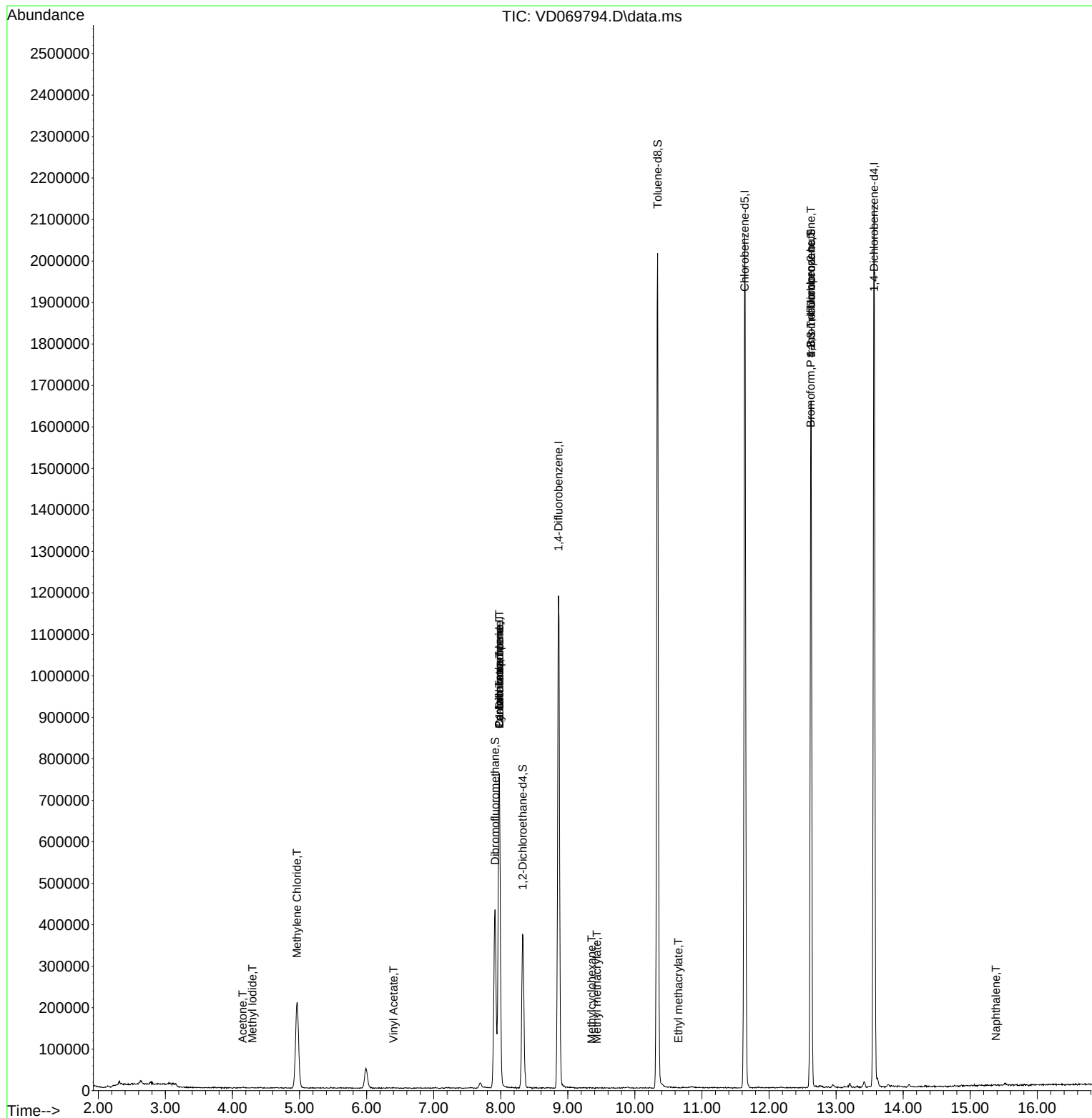
Target Compounds			Qvalue			
3) Chloromethane	2.209	50	1314	Below Cal	#	80
5) Bromomethane	2.785	94	2901	Below Cal	#	77
10) Methyl Iodide	4.297	142	866	2.592	ug/l #	57
16) Acetone	4.150	43	3112	15.134	ug/l #	84
18) Methyl Acetate	4.738	43	217	Below Cal	#	49
20) Methylene Chloride	4.962	84	170054	14.118	ug/l	92
23) Vinyl Acetate	6.403	43	330	15.454	ug/l #	72
31) Cyclohexane	7.979	56	12425	1.486	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	50022	4.773	ug/l #	48
38) Carbon Tetrachloride	7.979	117	59223	6.171	ug/l #	18
39) Methylcyclohexane	9.356	83	255	1.978	ug/l #	16
48) Methyl methacrylate	9.432	41	57	1.117	ug/l #	4
56) Ethyl methacrylate	10.650	69	893	1.789	ug/l #	28
71) Bromoform	12.620	173	4188	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	277197	50.409	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	277197	135.471	ug/l #	14
95) Naphthalene	15.385	128	453	2.229	ug/l #	86

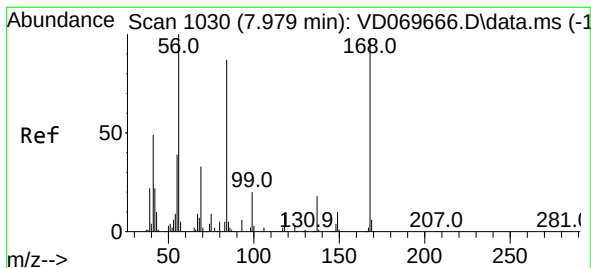
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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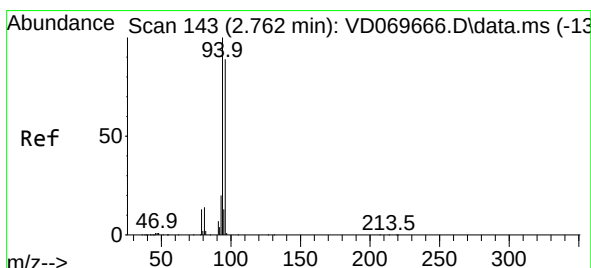
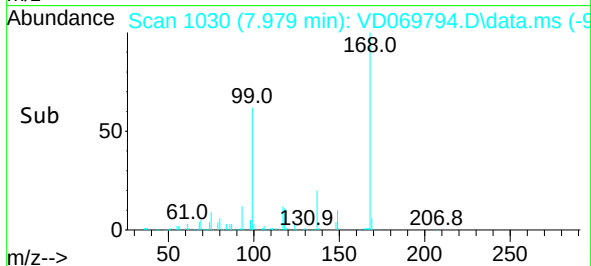
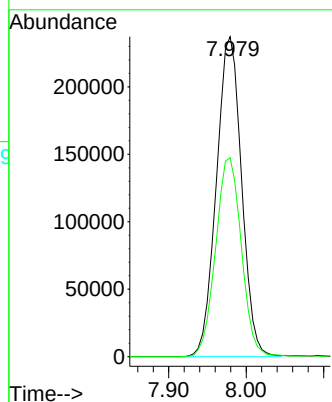
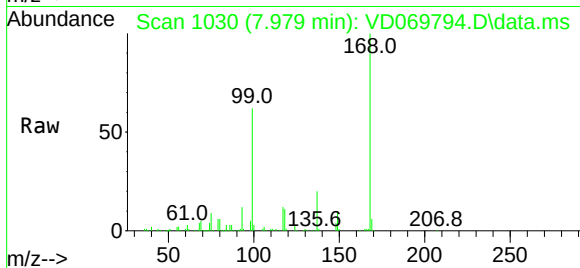




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

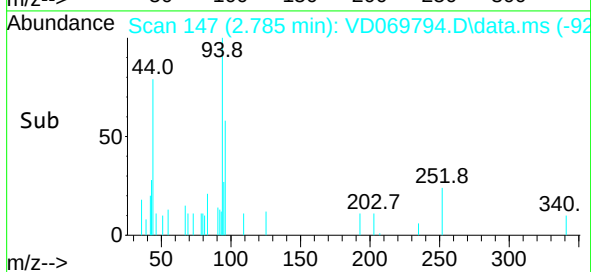
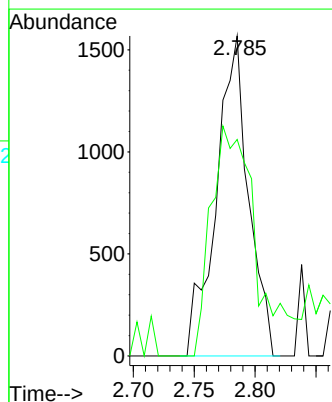
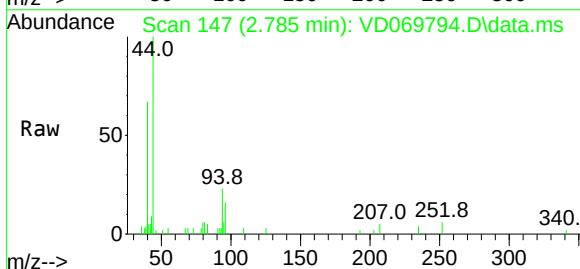
Instrument :
MSVOA_D
ClientSampled :

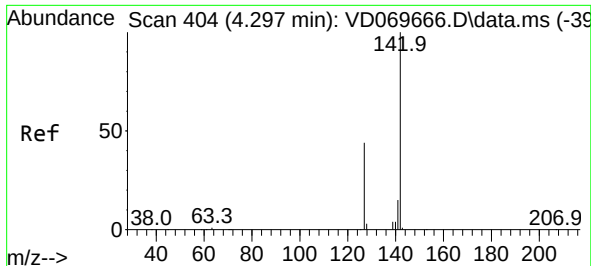
Tgt Ion:168 Resp: 536168
Ion Ratio Lower Upper
168 100
99 62.2 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

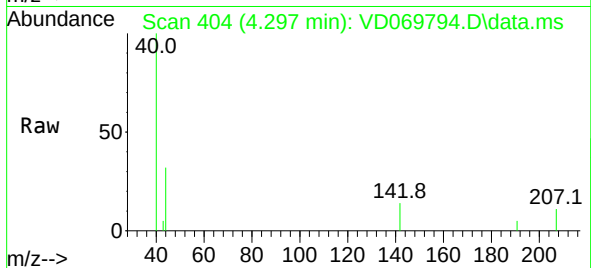
Tgt Ion: 94 Resp: 2901
Ion Ratio Lower Upper
94 100
96 67.7 71.2 106.8#



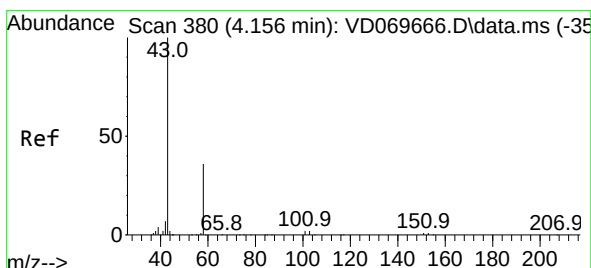
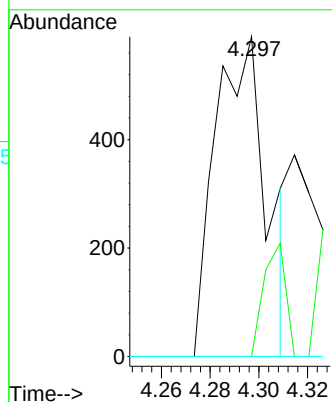
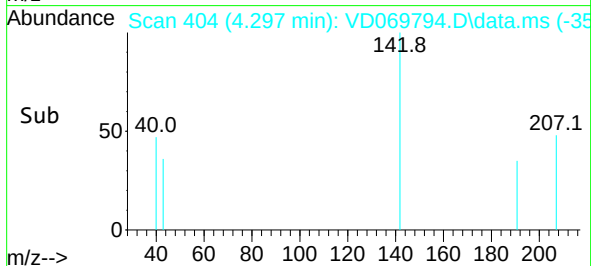


#10
Methyl Iodide
Concen: 2.592 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

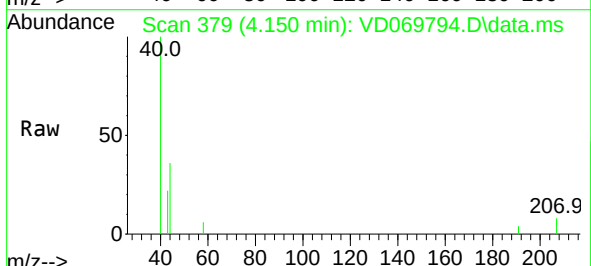
Instrument :
MSVOA_D
ClientSampled :



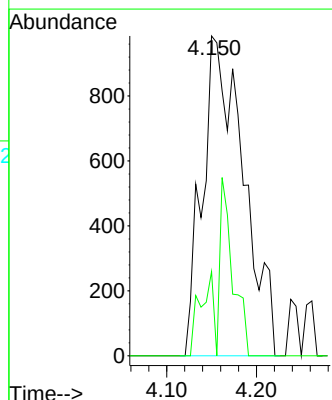
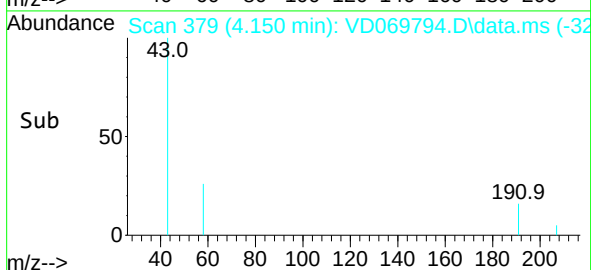
Tgt Ion:142 Resp: 866
Ion Ratio Lower Upper
142 100
127 15.0 36.1 54.1#
141 0.0 11.6 17.4#

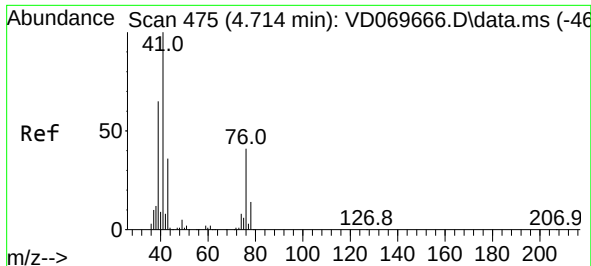


#16
Acetone
Concen: 15.134 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43



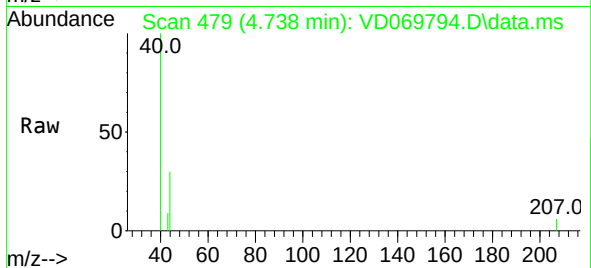
Tgt Ion: 43 Resp: 3112
Ion Ratio Lower Upper
43 100
58 26.3 28.6 42.8#



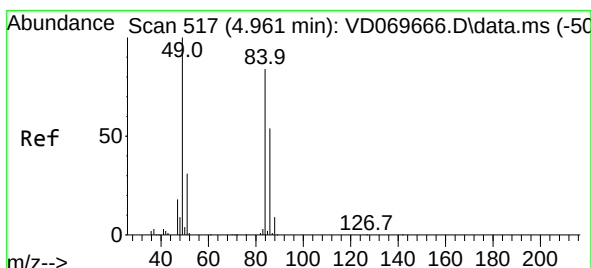
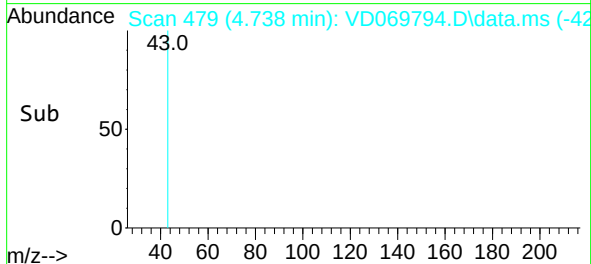
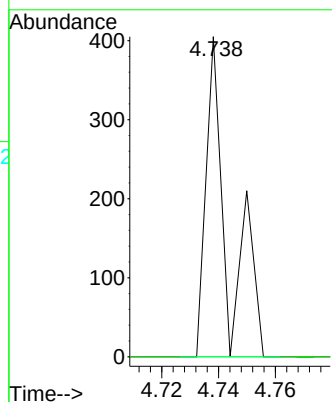


#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.024 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Instrument :
MSVOA_D
ClientSampled :

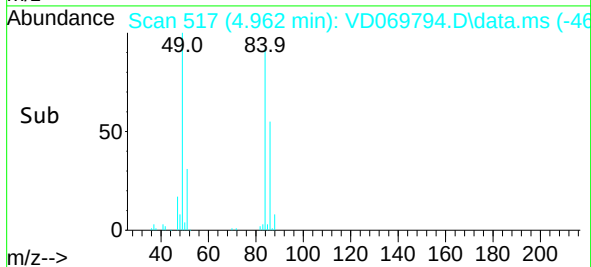
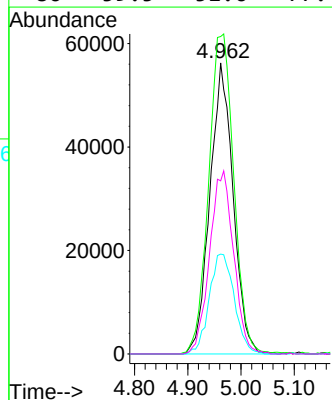
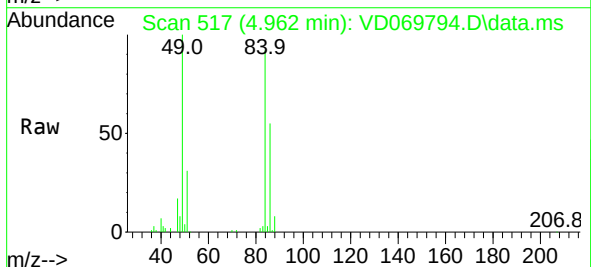


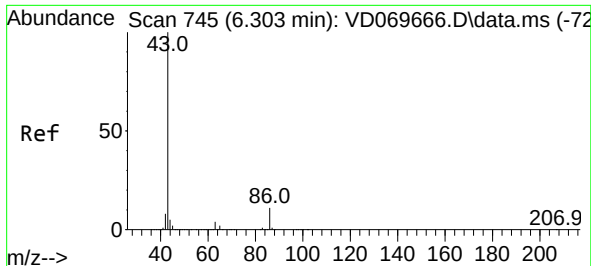
Tgt Ion: 43 Resp: 217
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 14.118 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

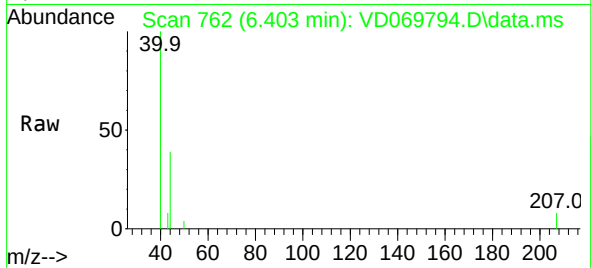
Tgt Ion: 84 Resp: 170054
Ion Ratio Lower Upper
84 100
49 109.1 95.5 143.3
51 34.3 29.7 44.5
86 59.5 51.6 77.4



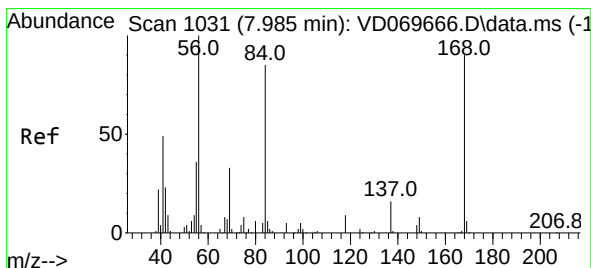
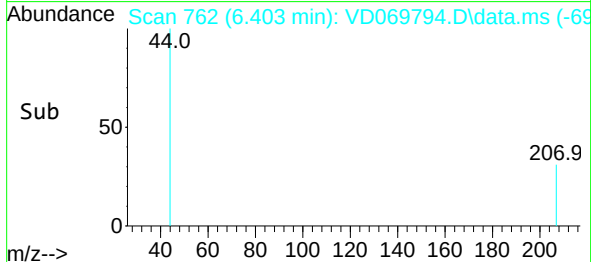
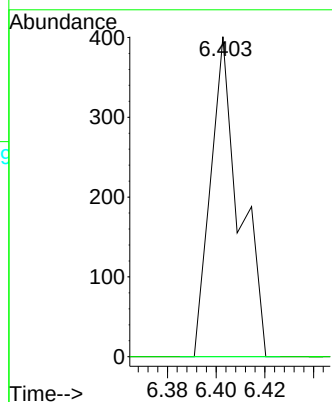


#23
 Vinyl Acetate
 Concen: 15.454 ug/l
 RT: 6.403 min Scan# 762
 Delta R.T. 0.100 min
 Lab File: VD069794.D
 Acq: 21 Jul 2021 16:43

Instrument :
 MSVOA_D
 ClientSampled :

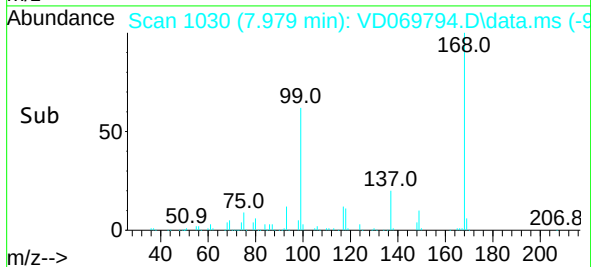
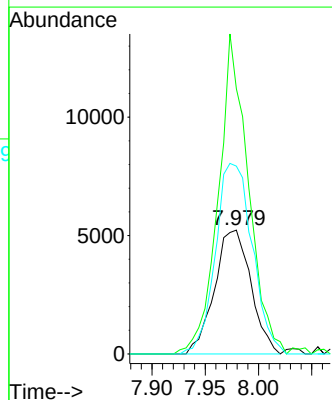
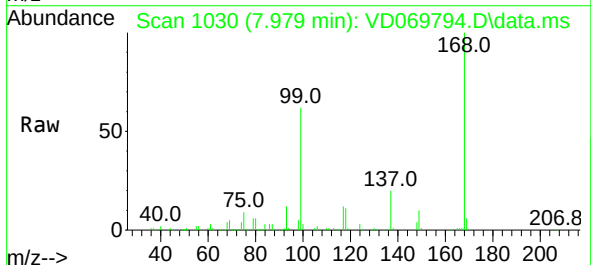


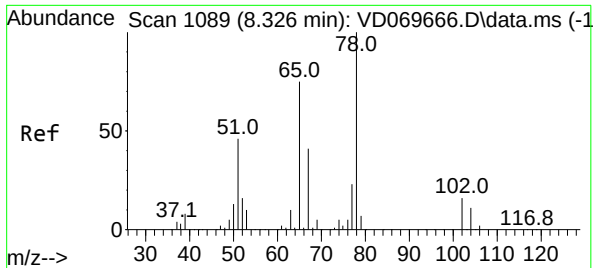
Tgt Ion: 43 Resp: 330
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.486 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069794.D
 Acq: 21 Jul 2021 16:43

Tgt Ion: 56 Resp: 12425
 Ion Ratio Lower Upper
 56 100
 69 210.9 26.6 39.8#
 84 160.3 68.2 102.2#

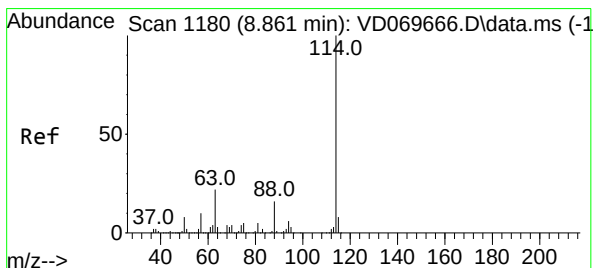
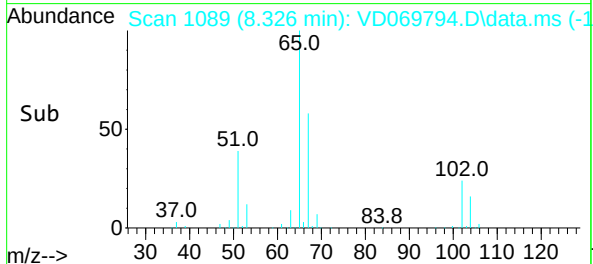
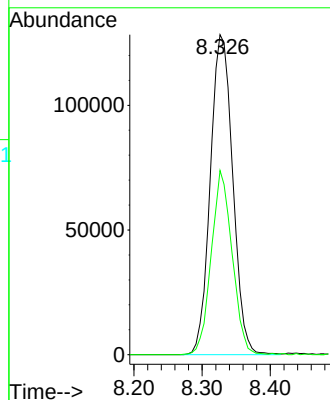
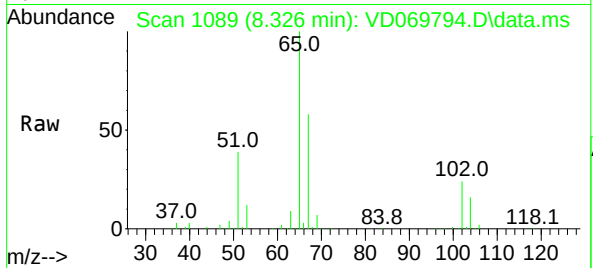




#33
1,2-Dichloroethane-d4
Concen: 43.949 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

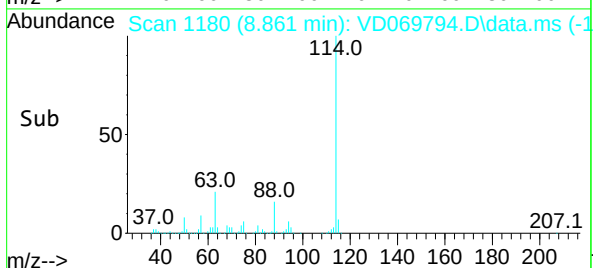
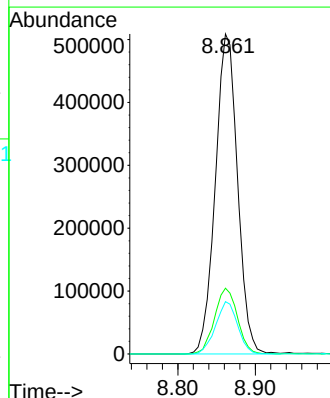
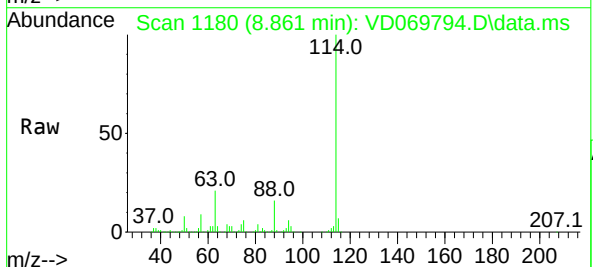
Instrument :
MSVOA_D
ClientSampled :

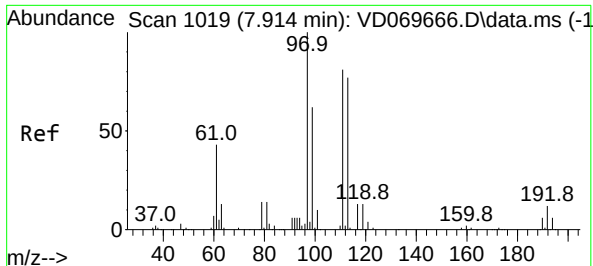
Tgt Ion: 65 Resp: 294227
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Tgt Ion: 114 Resp: 1015822
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.4
88 16.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.842 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069794.D

Acq: 21 Jul 2021 16:43

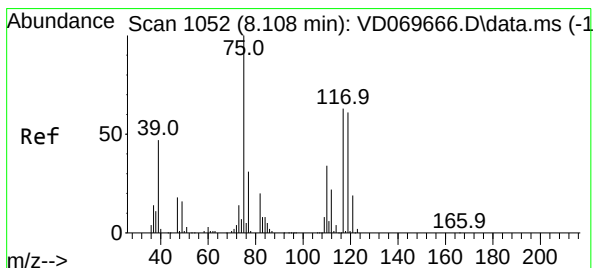
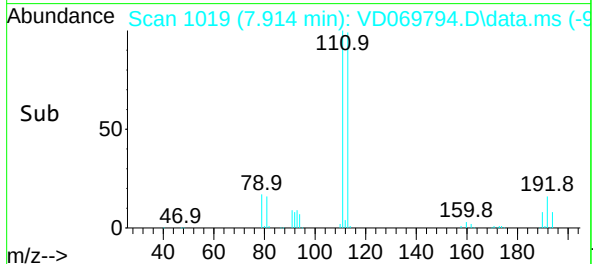
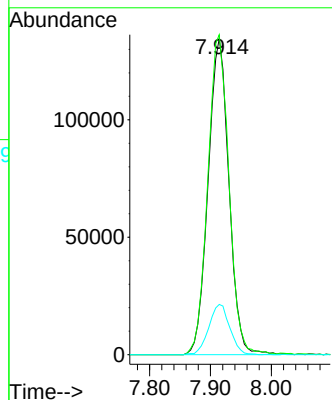
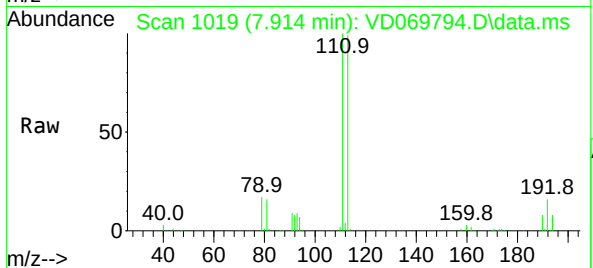
Tgt Ion:113 Resp: 319228

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069794.D

Acq: 21 Jul 2021 16:43

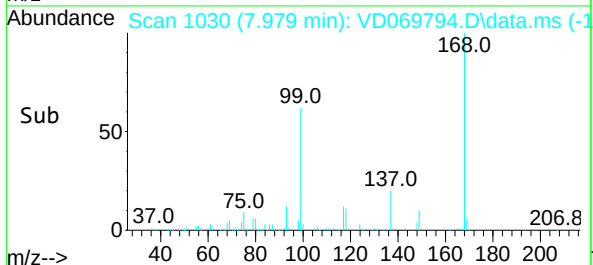
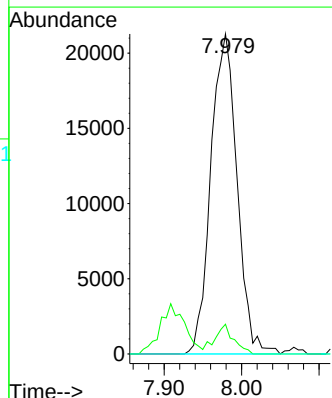
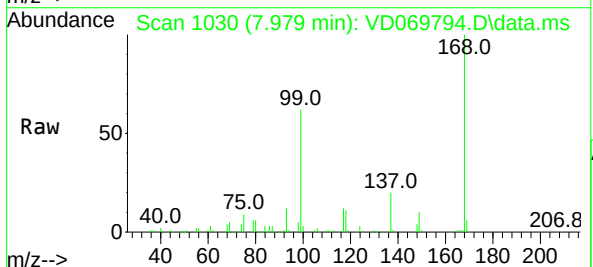
Tgt Ion: 75 Resp: 50022

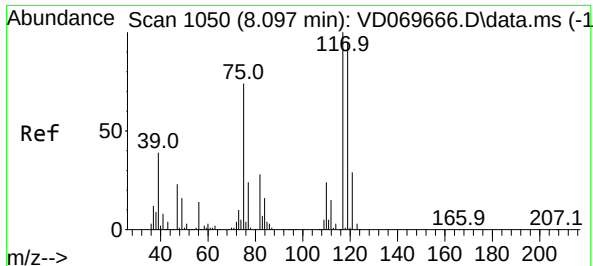
Ion Ratio Lower Upper

75 100

110 6.7 16.7 50.0#

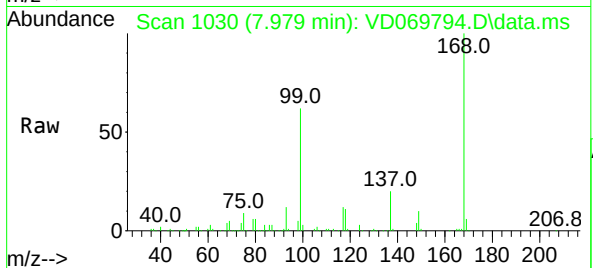
77 0.0 25.3 37.9#



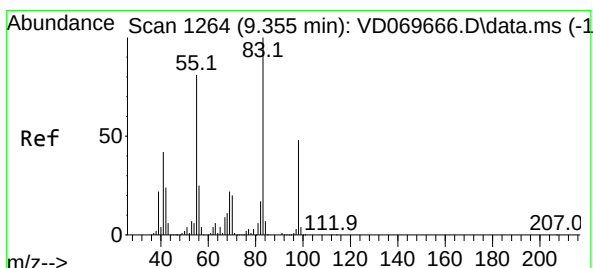
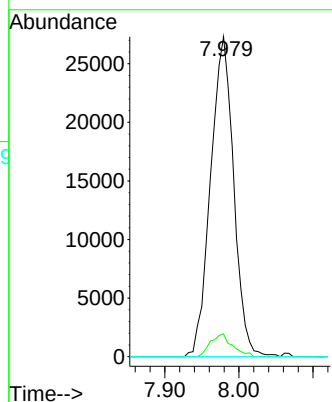
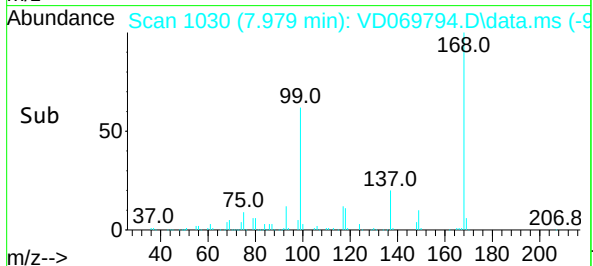


#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

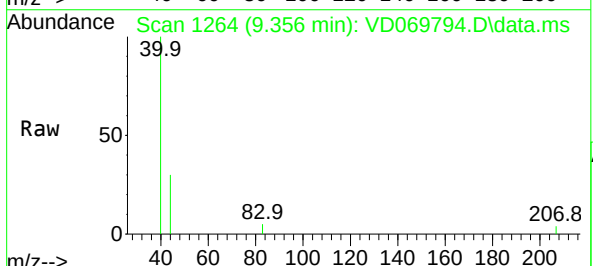
Instrument :
MSVOA_D
ClientSampleId :



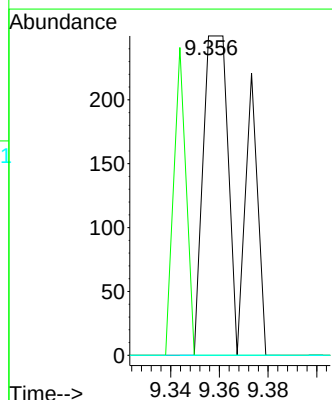
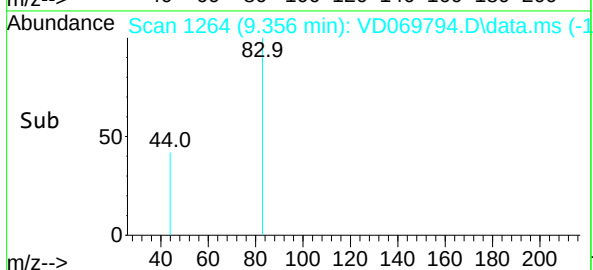
Tgt Ion:117 Resp: 59223
Ion Ratio Lower Upper
117 100
119 7.2 75.7 113.5#
121 0.0 23.0 34.6#

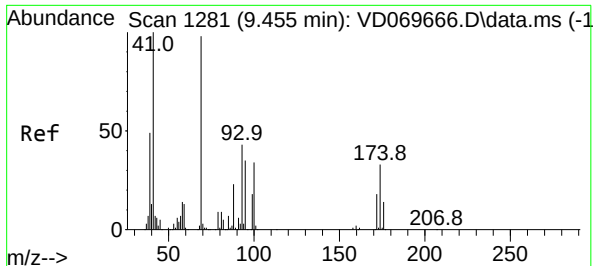


#39
Methylcyclohexane
Concen: 1.978 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.001 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43



Tgt Ion: 83 Resp: 255
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 0.0 38.4 57.6#

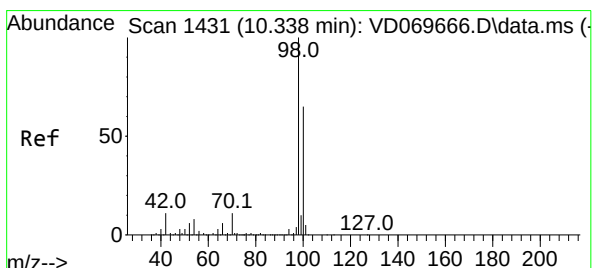
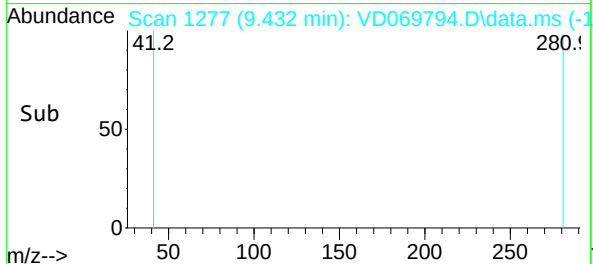
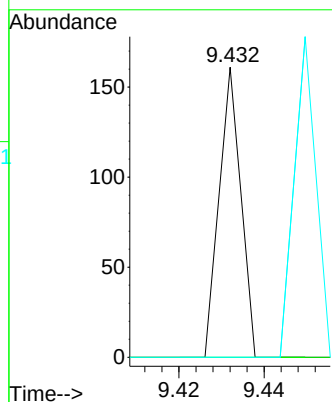
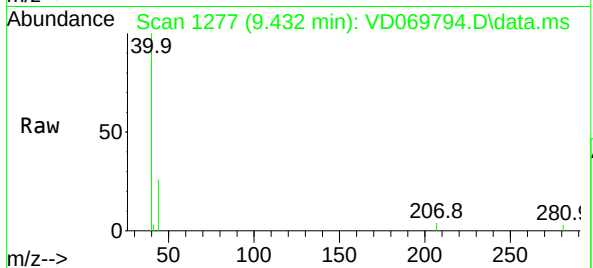




#48
Methyl methacrylate
Concen: 1.117 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.023 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

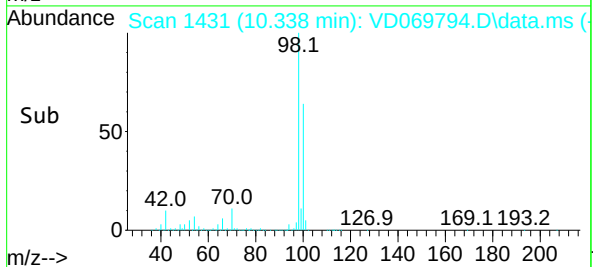
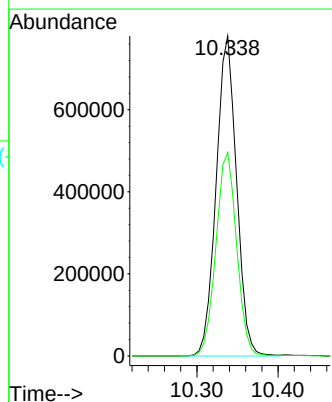
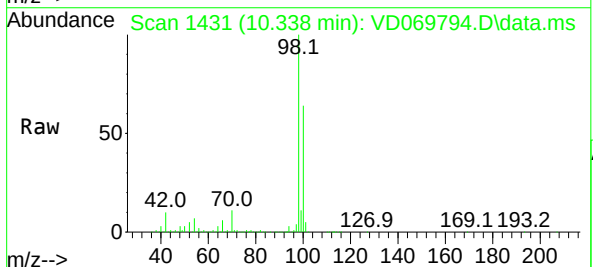
Instrument :
MSVOA_D
ClientSampleId :

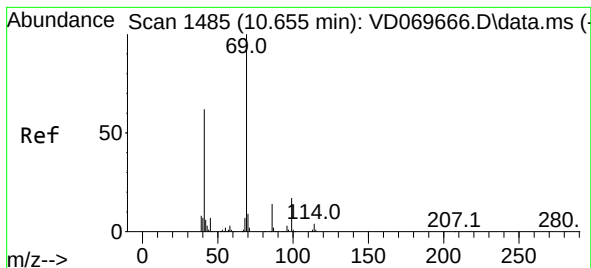
Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 110.5 36.7 55.1#



#50
Toluene-d8
Concen: 51.423 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Tgt Ion: 98 Resp: 1361486
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

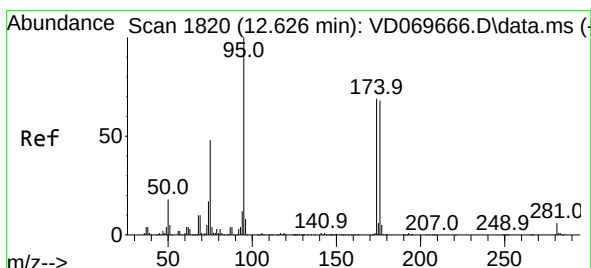
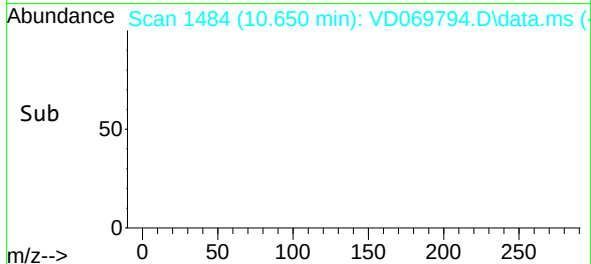
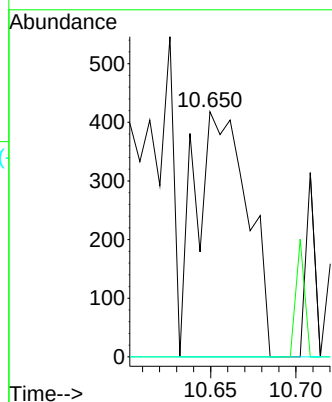
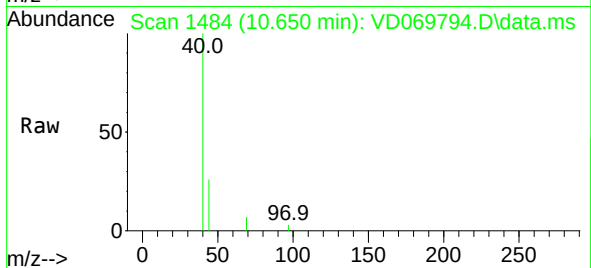




#56
Ethyl methacrylate
Concen: 1.789 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

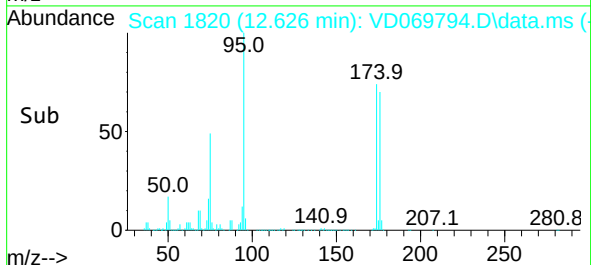
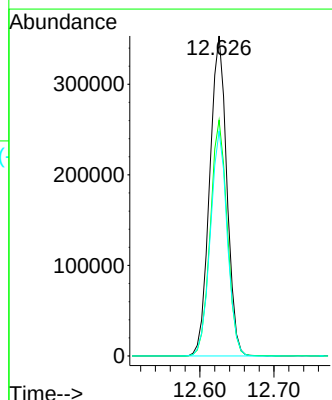
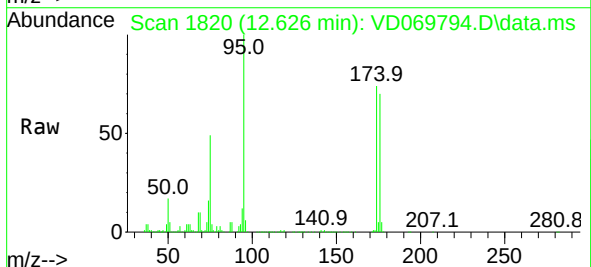
Instrument :
MSVOA_D
ClientSampleId :

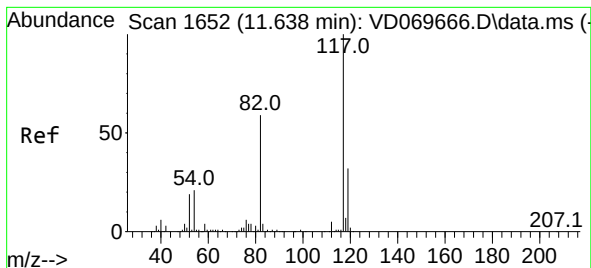
Tgt Ion: 69 Resp: 893
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 64.193 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

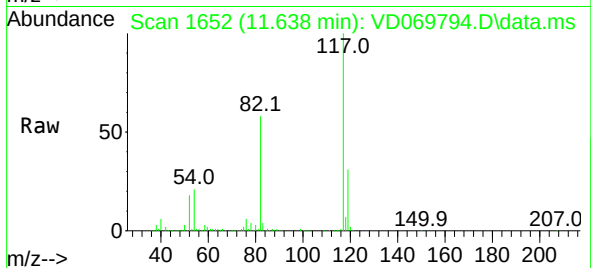
Tgt Ion: 95 Resp: 566828
Ion Ratio Lower Upper
95 100
174 72.8 0.0 140.0
176 69.2 0.0 136.2



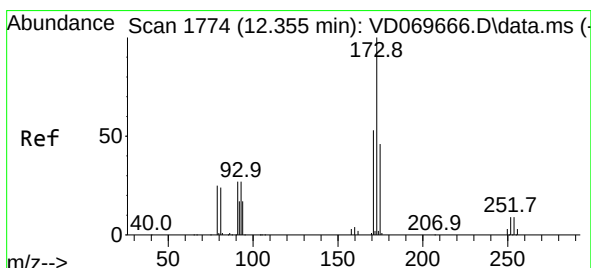
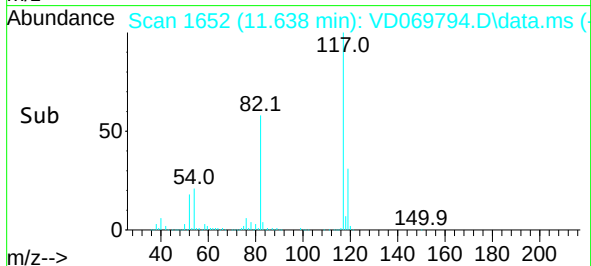
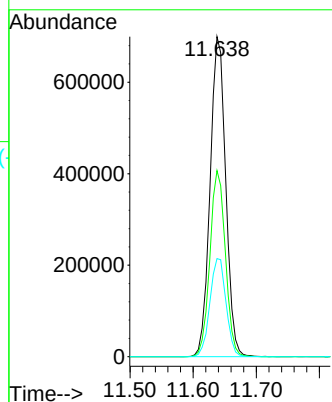


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Instrument :
MSVOA_D
ClientSampleId :

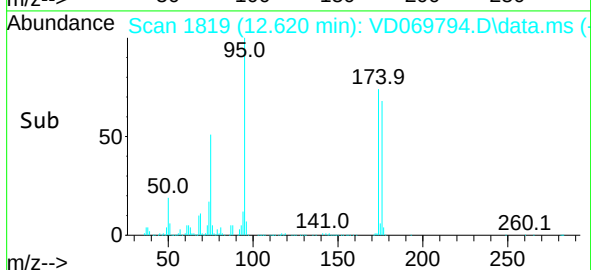
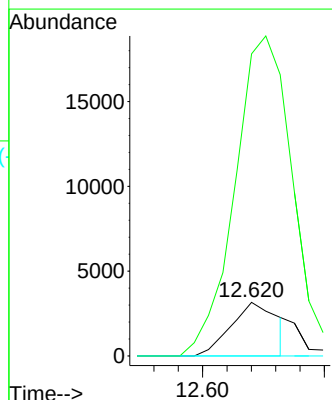
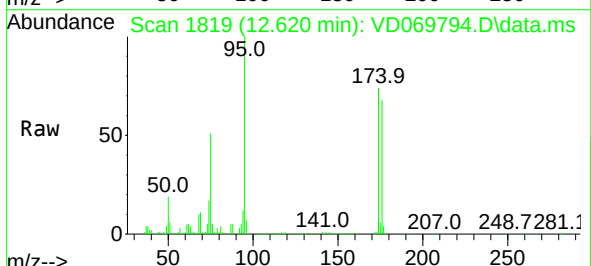


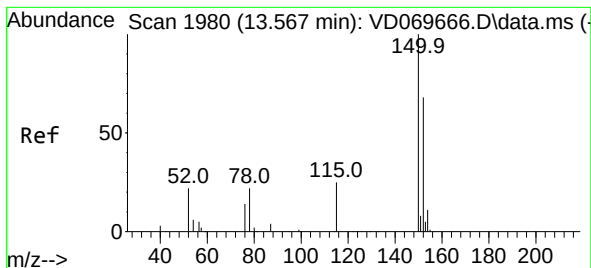
Tgt Ion:117 Resp: 1202438
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 30.6 25.5 38.3



#71
Bromoform
Concen: 1.007 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Tgt Ion:173 Resp: 4188
Ion Ratio Lower Upper
173 100
175 609.6 24.2 72.6#
254 0.0 0.1 0.1#

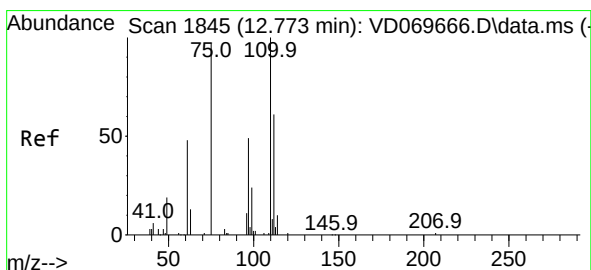
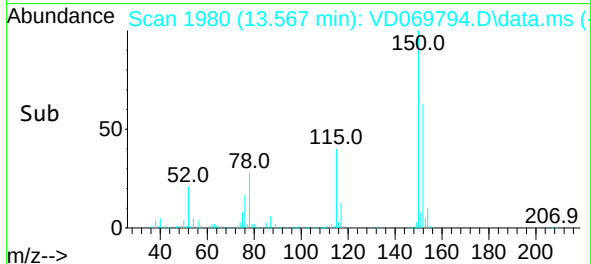
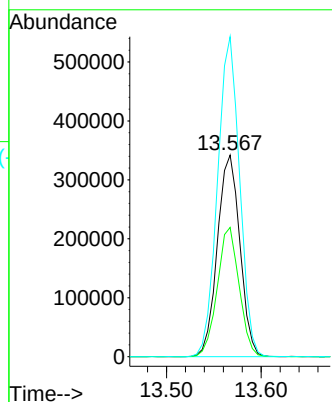
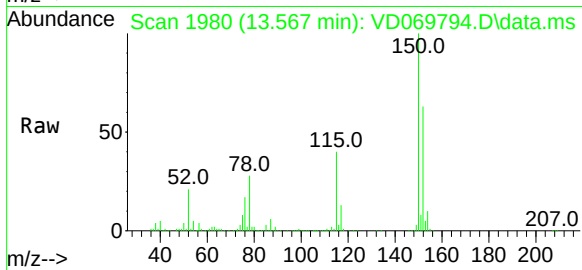




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069794.D
 Acq: 21 Jul 2021 16:43

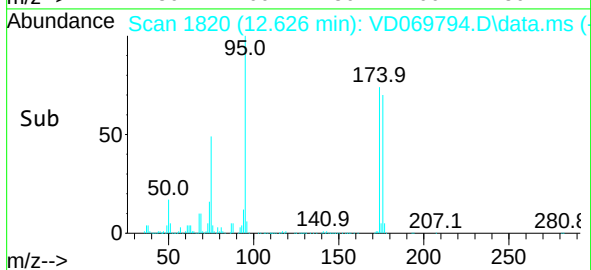
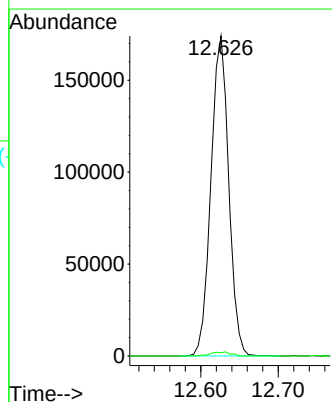
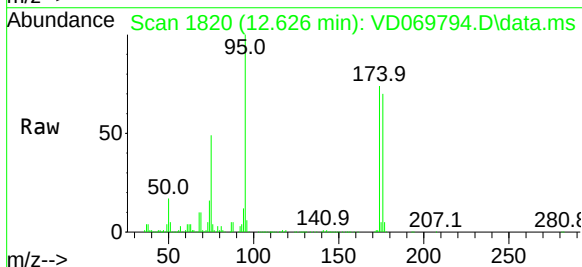
Instrument :
 MSVOA_D
 ClientSampled :

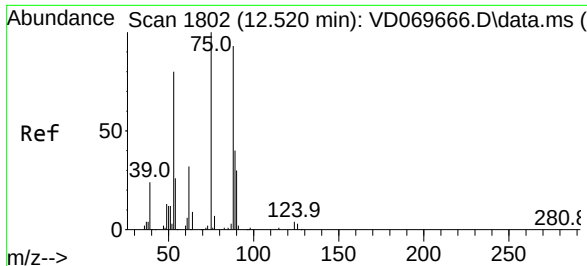
Tgt Ion:152 Resp: 566047
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.7 95.1
 150 155.5 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 50.409 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069794.D
 Acq: 21 Jul 2021 16:43

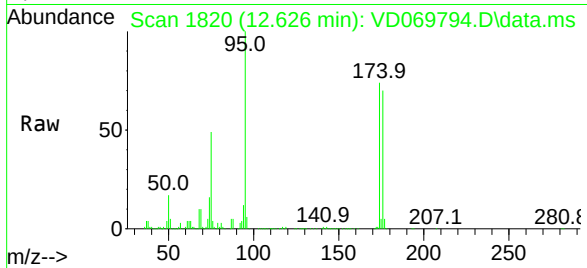
Tgt Ion: 75 Resp: 277197
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



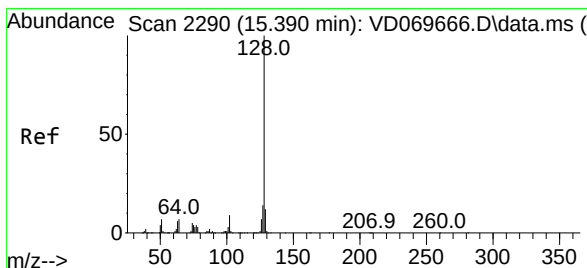
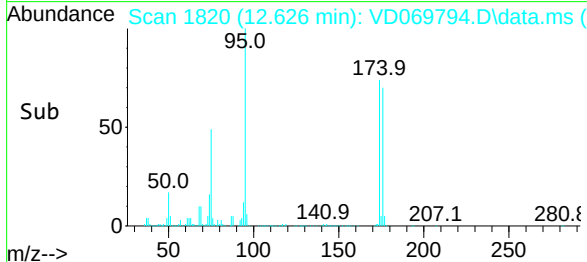
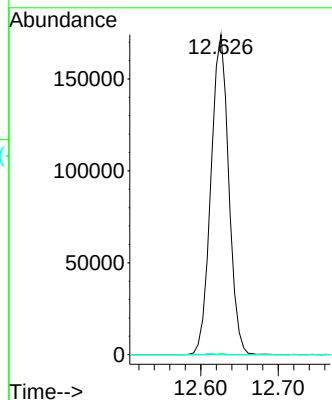


#81
trans-1,4-Dichloro-2-butene
Concen: 135.471 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 277197
Ion Ratio Lower Upper
75 100
53 0.1 70.6 106.0#
89 0.2 35.1 52.7#



#95
Naphthalene
Concen: 2.229 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069794.D
Acq: 21 Jul 2021 16:43

Tgt Ion:128 Resp: 453
Ion Ratio Lower Upper
128 100
127 12.4 10.6 16.0
129 0.0 8.8 13.2#

