

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069728.D
 Acq On : 16 Jul 2021 16:36
 Operator : VA/SY
 Sample : M3029-05
 Misc : 4.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:54:11 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)

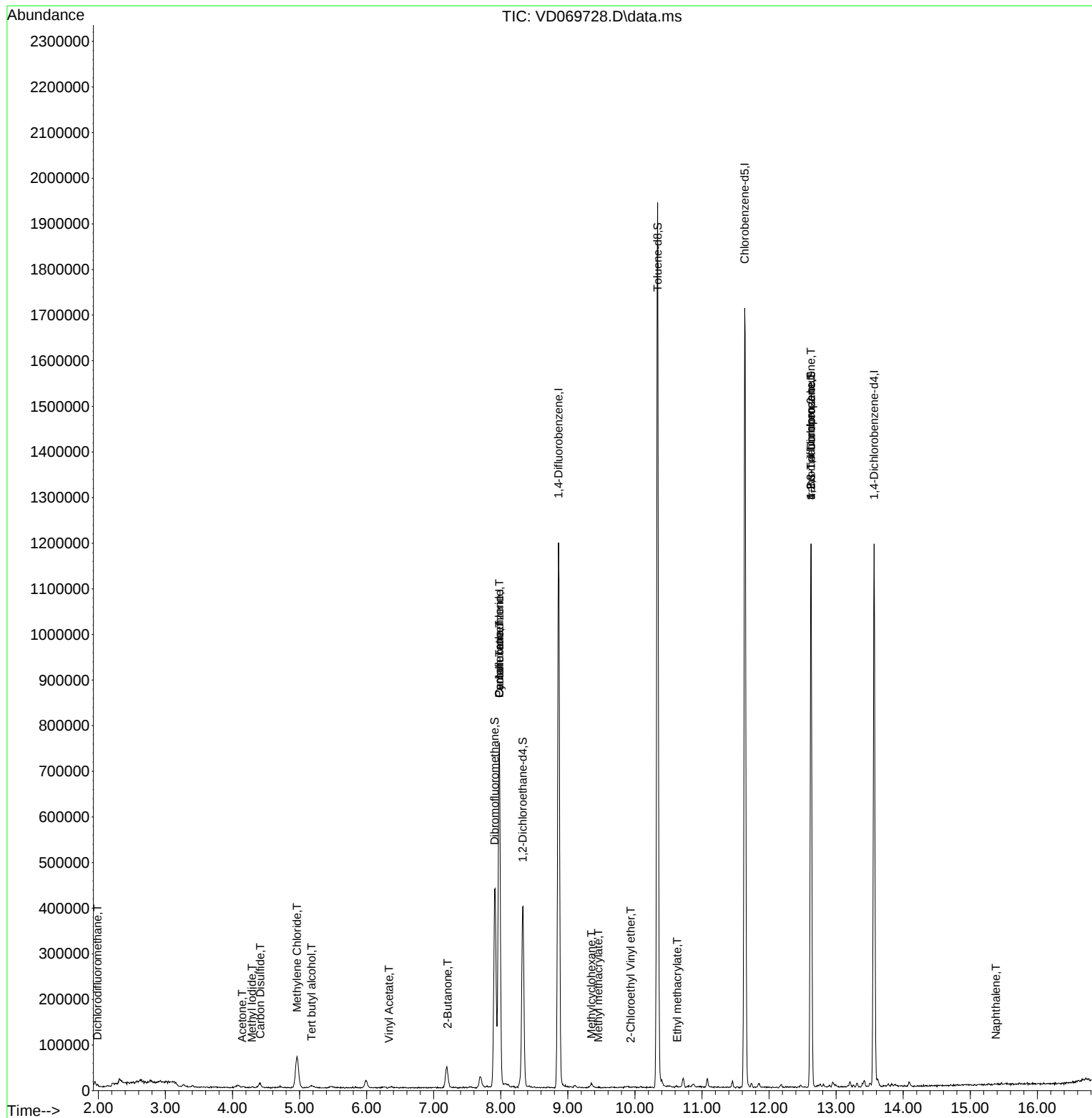
Internal Standards						
1) Pentafluorobenzene	7.979	168	531473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1011511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1005779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	309715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	317214	47.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.600%
35) Dibromofluoromethane	7.908	113	331335	48.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.660%
50) Toluene-d8	10.338	98	1293608	49.068	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.140%
62) 4-Bromofluorobenzene	12.626	95	398517	45.324	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.640%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.985	85	2717	1.104	ug/l	86
5) Bromomethane	2.773	94	4066	Below Cal	#	79
10) Methyl Iodide	4.291	142	2107	2.772	ug/l	# 92
11) Tert butyl alcohol	5.179	59	1294	1.459	ug/l	# 79
16) Acetone	4.144	43	1336	14.009	ug/l	# 39
17) Carbon Disulfide	4.414	76	18722	1.343	ug/l	# 94
18) Methyl Acetate	4.703	43	551	Below Cal	#	49
20) Methylene Chloride	4.961	84	55023	1.275	ug/l	95
23) Vinyl Acetate	6.332	43	470	15.467	ug/l	# 72
25) 2-Butanone	7.208	43	2950	1.881	ug/l	# 47
31) Cyclohexane	7.979	56	16123	1.821	ug/l	# 14
38) Carbon Tetrachloride	7.979	117	57054	5.971	ug/l	# 20
39) Methylcyclohexane	9.349	83	2916	2.183	ug/l	92
48) Methyl methacrylate	9.455	41	456	1.221	ug/l	# 70
56) Ethyl methacrylate	10.632	69	1115	1.821	ug/l	# 59
58) 2-Chloroethyl Vinyl ether	9.938	63	127	9.400	ug/l	# 49
76) 1,2,3-Trichloropropane	12.626	75	197294	65.572	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	197294	176.223	ug/l	# 14
95) Naphthalene	15.384	128	783	2.281	ug/l	# 69

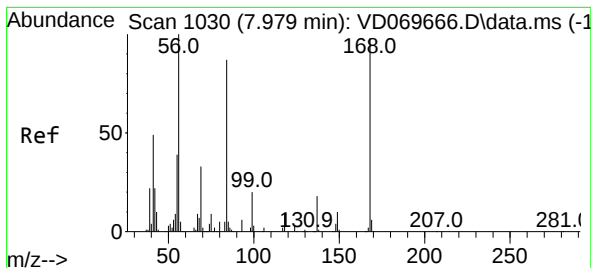
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
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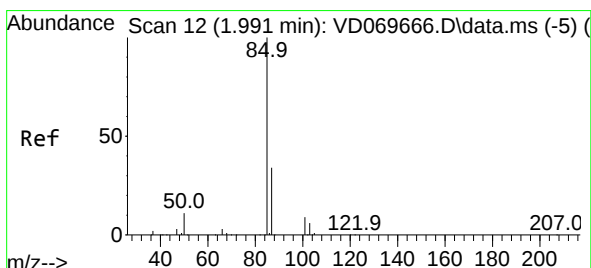
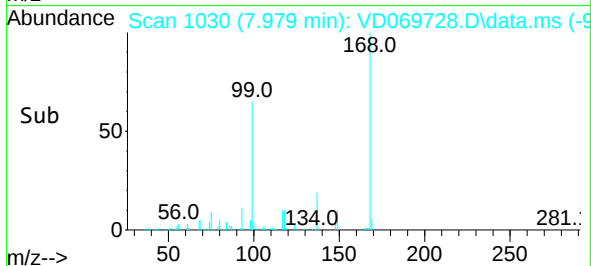
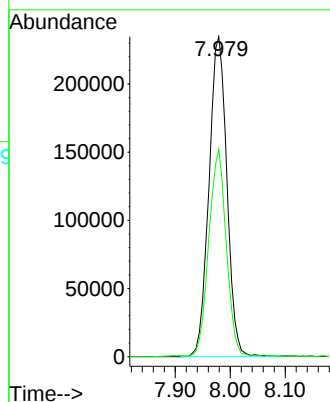
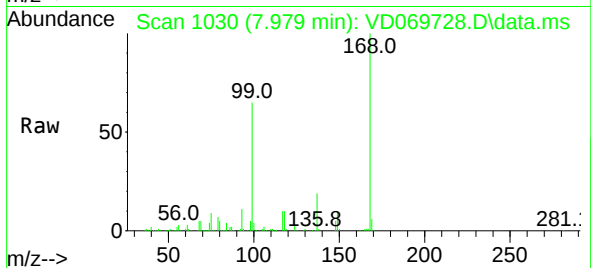


#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Instrument :
MSVOA_D
ClientSampled :

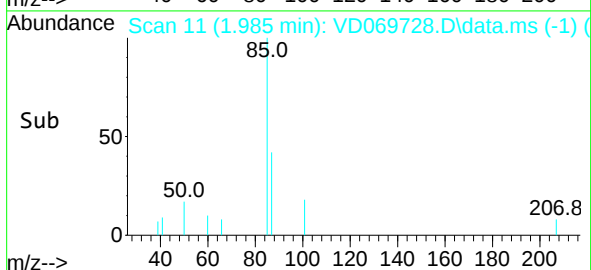
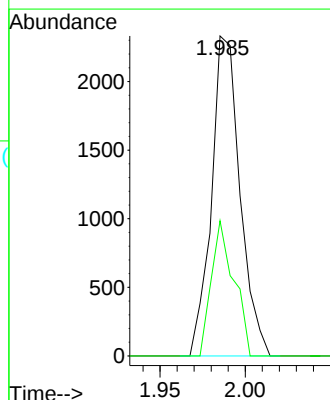
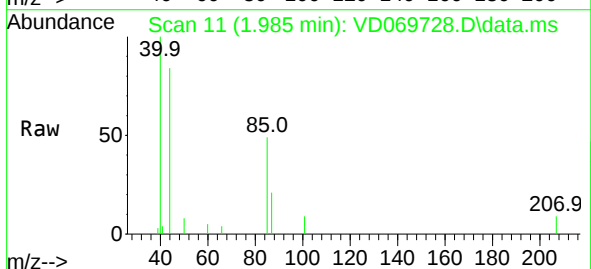
Tgt Ion:168 Resp: 531473
Ion Ratio Lower Upper
168 100
99 64.7 51.8 77.6

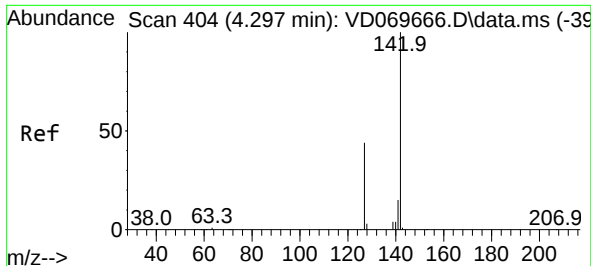


#2

Dichlorodifluoromethane
Concen: 1.104 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

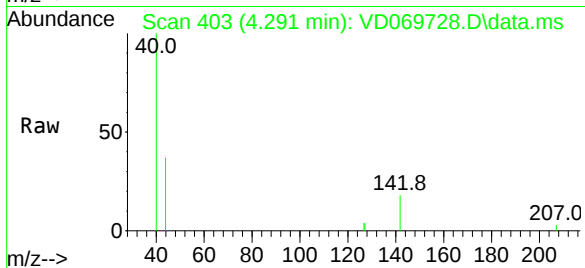
Tgt Ion: 85 Resp: 2717
Ion Ratio Lower Upper
85 100
87 42.2 17.0 51.0



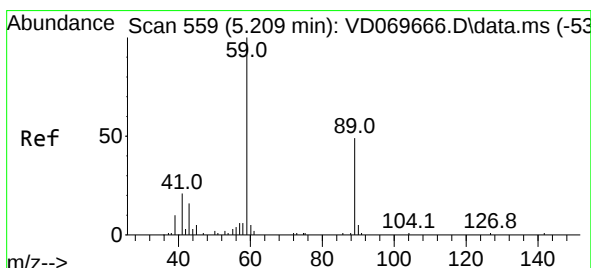
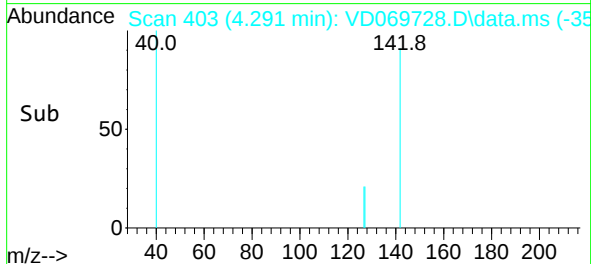
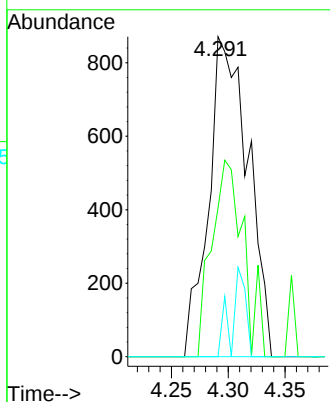


#10
Methyl Iodide
Concen: 2.772 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Instrument :
MSVOA_D
ClientSampled :

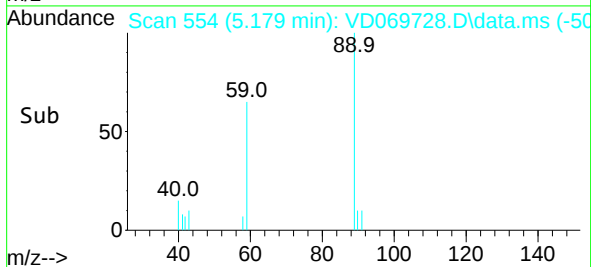
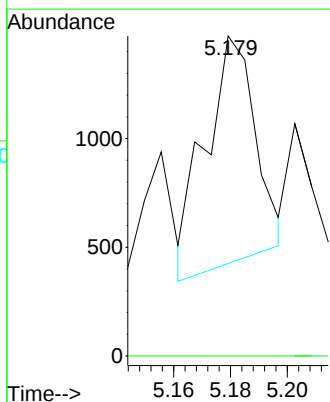
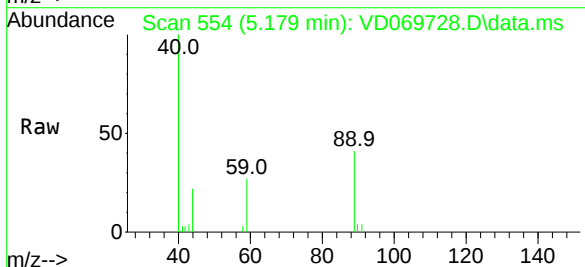


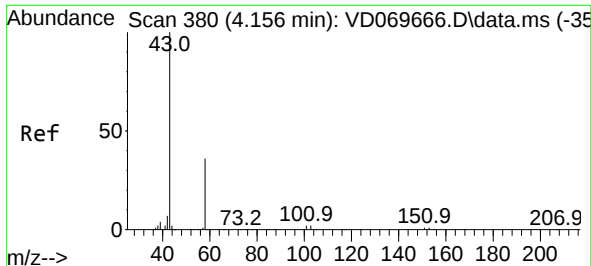
Tgt Ion:142 Resp: 2107
Ion Ratio Lower Upper
142 100
127 49.5 36.1 54.1
141 9.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.459 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 59 Resp: 1294
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

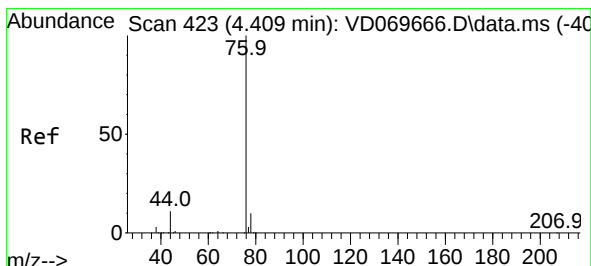
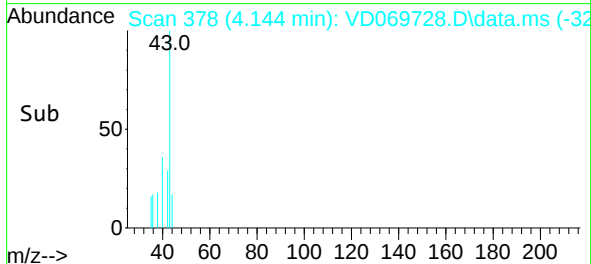
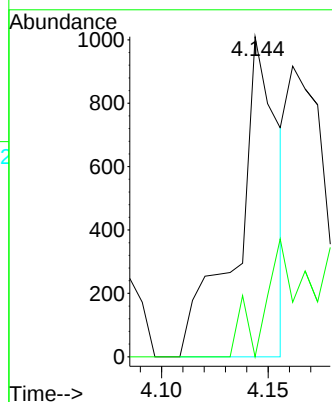
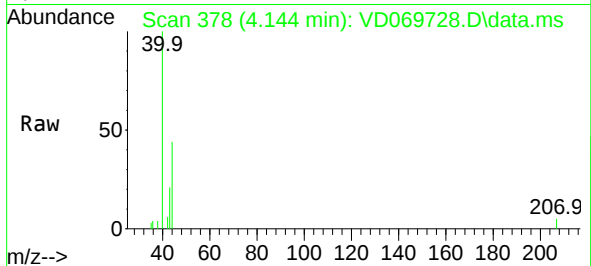




#16
Acetone
Concen: 14.009 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

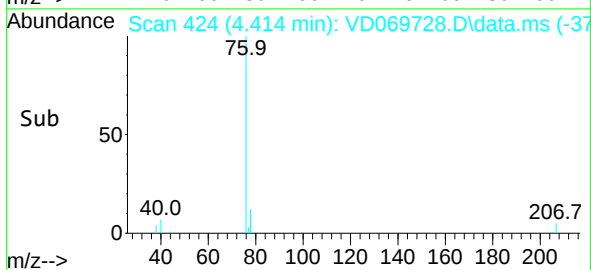
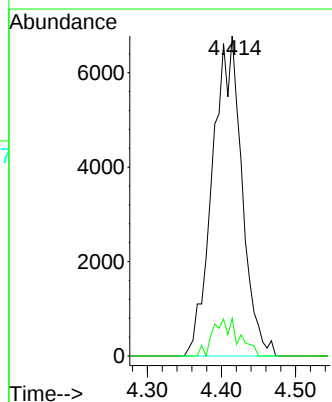
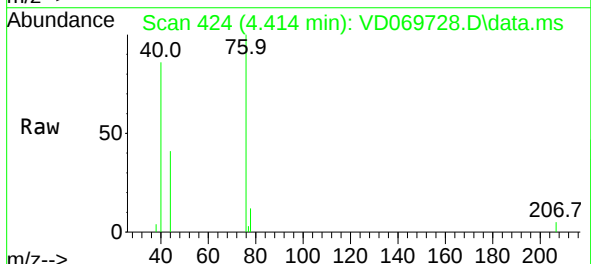
Instrument :
MSVOA_D
ClientSampled :

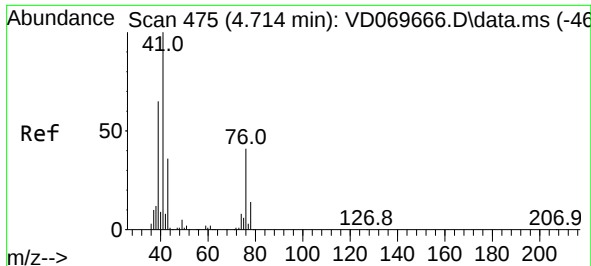
Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#17
Carbon Disulfide
Concen: 1.343 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 76 Resp: 18722
Ion Ratio Lower Upper
76 100
78 11.8 7.6 11.4#

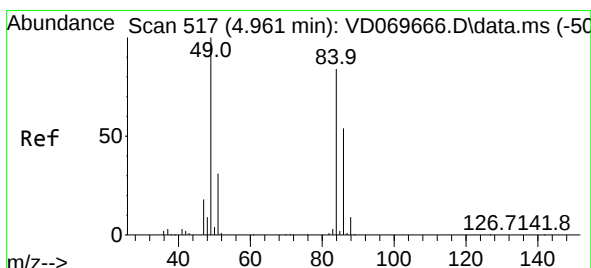
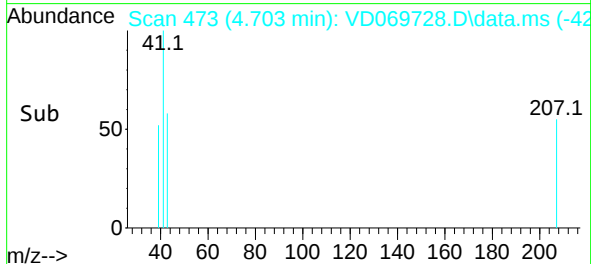
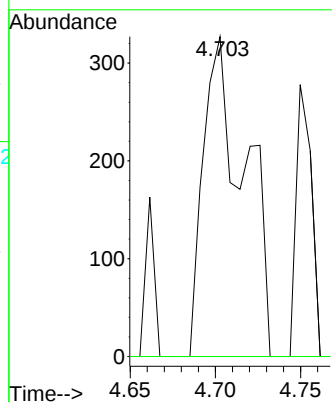
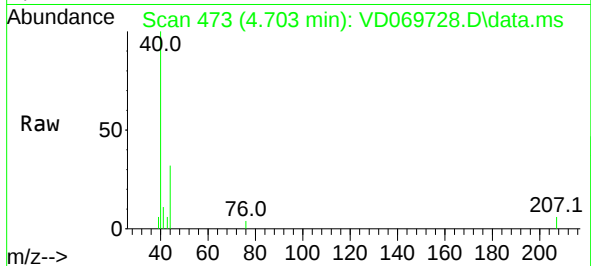




#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.011 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

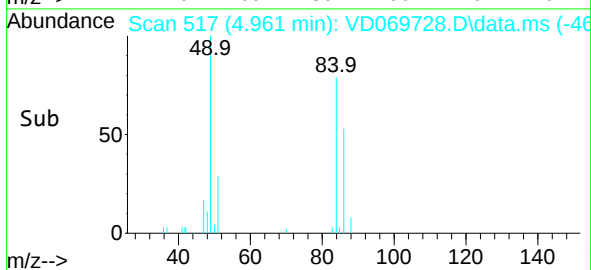
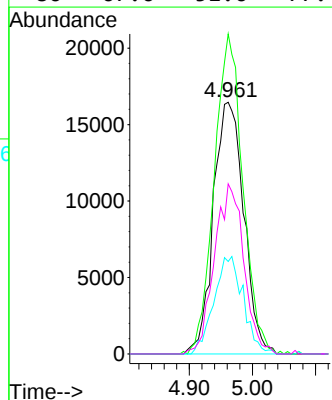
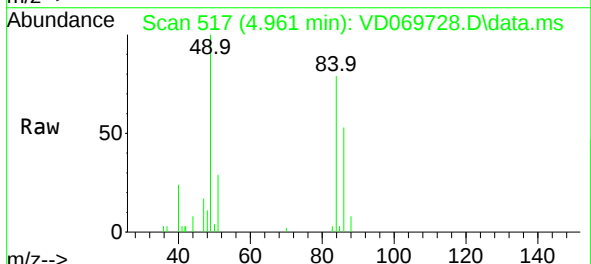
Instrument :
MSVOA_D
ClientSampled :

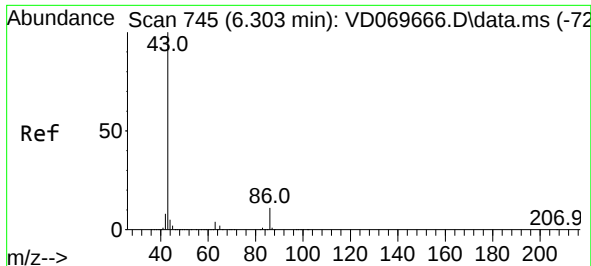
Tgt Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 1.275 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 84 Resp: 55023
Ion Ratio Lower Upper
84 100
49 127.2 95.5 143.3
51 36.8 29.7 44.5
86 67.6 51.6 77.4

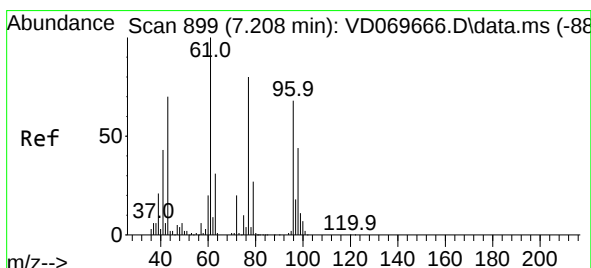
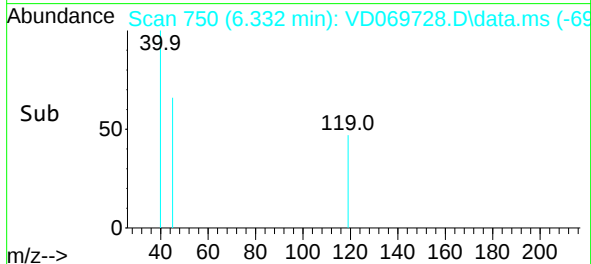
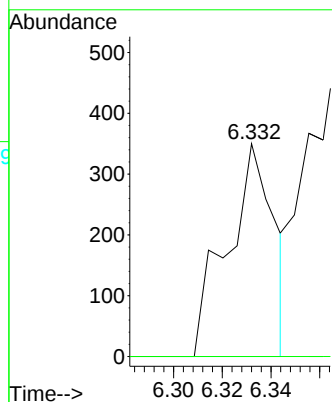
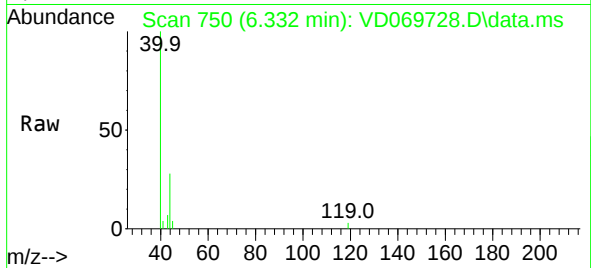




#23
Vinyl Acetate
Concen: 15.467 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.029 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

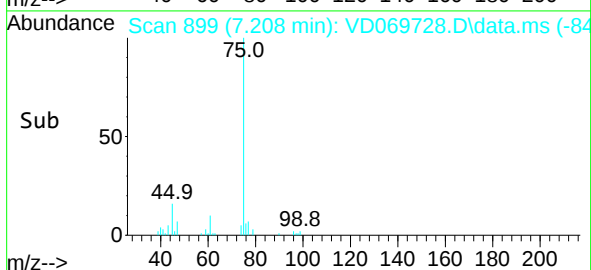
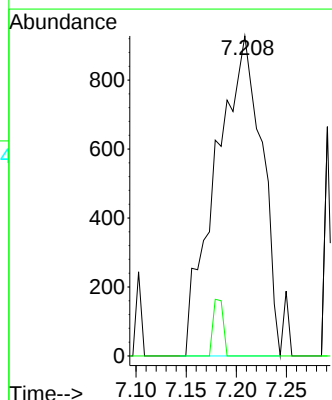
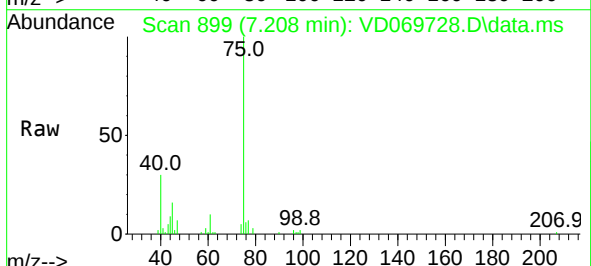
Instrument :
MSVOA_D
ClientSampleId :

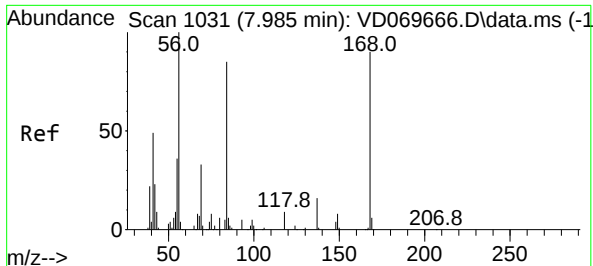
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#



#25
2-Butanone
Concen: 1.881 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 43 Resp: 2950
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#

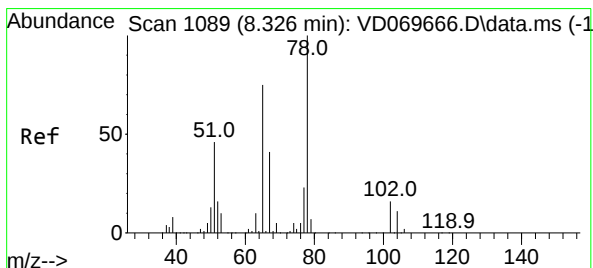
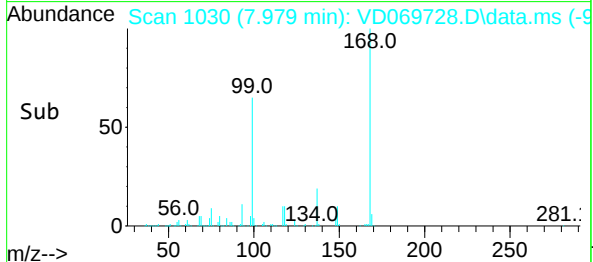
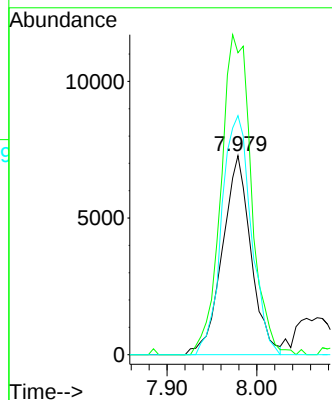
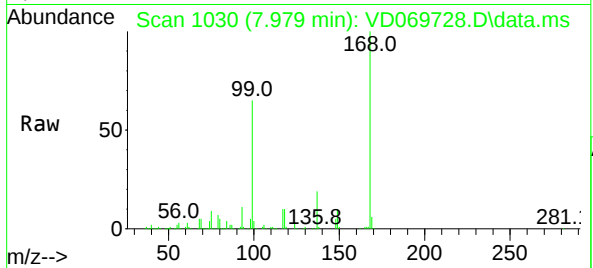




#31
Cyclohexane
Concen: 1.821 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

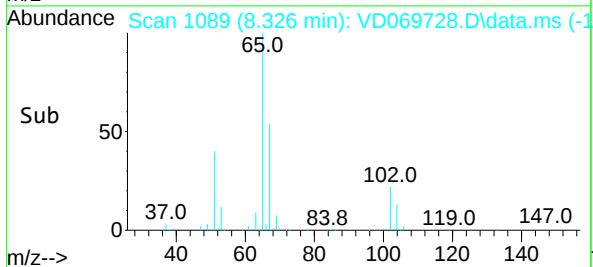
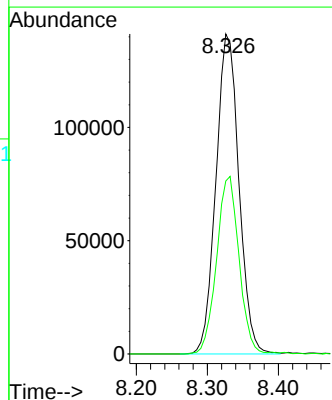
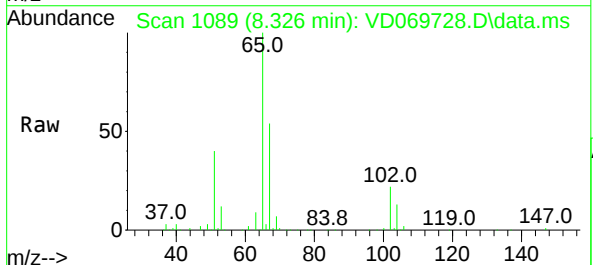
Instrument :
MSVOA_D
ClientSampleId :

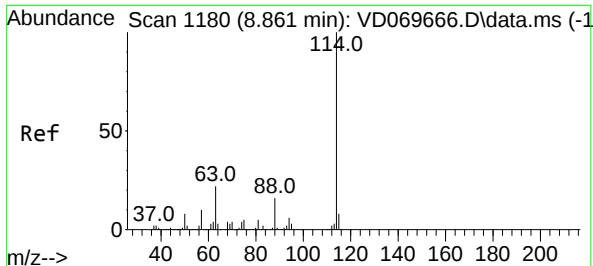
Tgt Ion: 56 Resp: 16123
Ion Ratio Lower Upper
56 100
69 151.7 26.6 39.8#
84 120.1 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 47.801 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 65 Resp: 317214
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



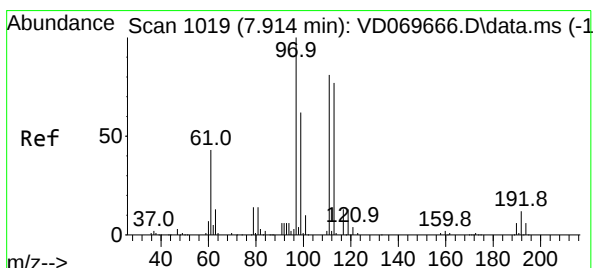
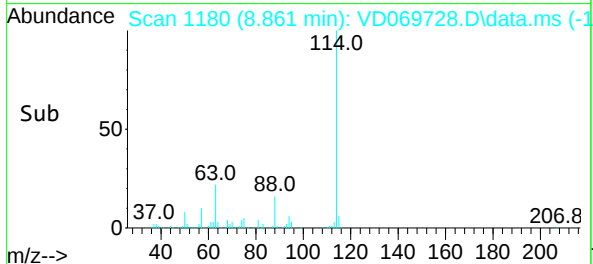
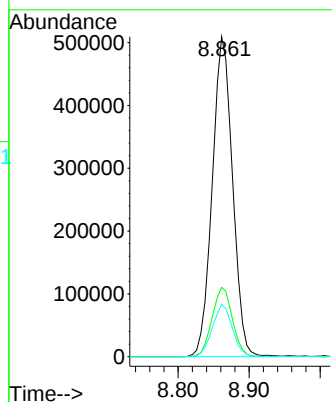
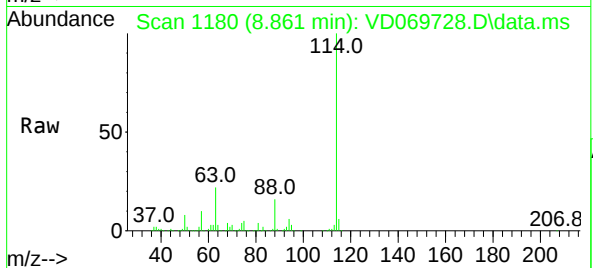


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Instrument :
MSVOA_D
ClientSampled :

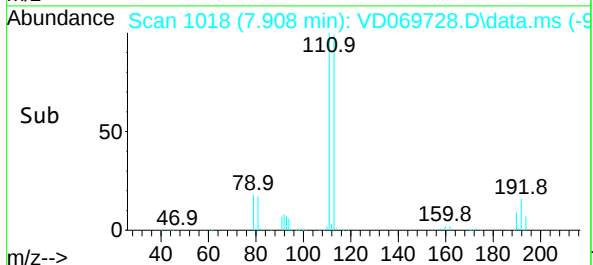
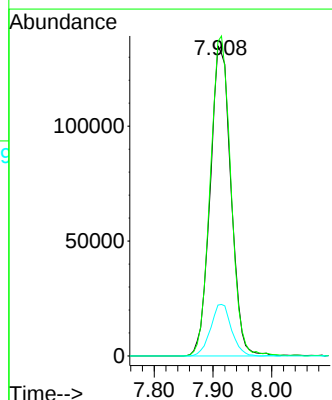
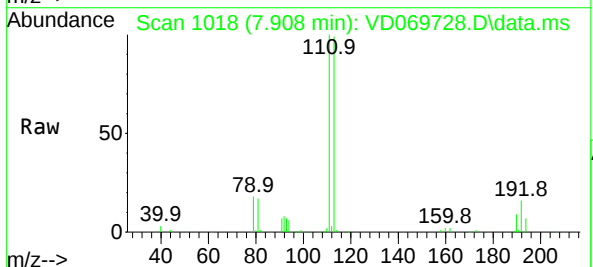
Tgt Ion:114 Resp: 1011511
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.4
88 16.4 0.0 32.0

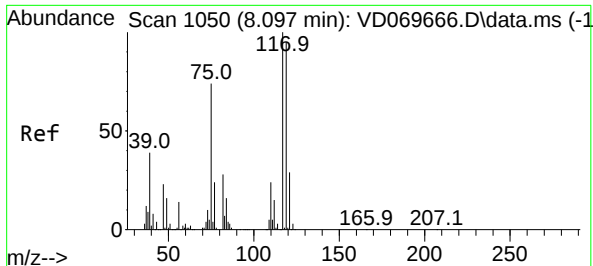


#35

Dibromofluoromethane
Concen: 48.826 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion:113 Resp: 331335
Ion Ratio Lower Upper
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111 102.1 82.6 123.8
192 16.7 12.7 19.1

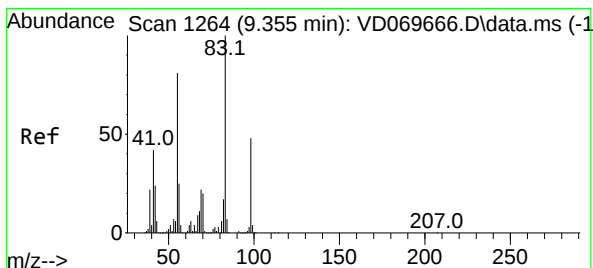
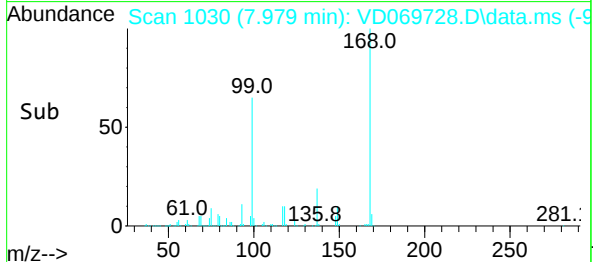
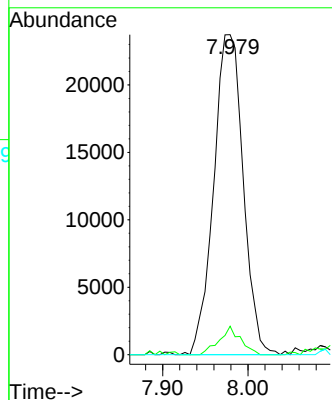
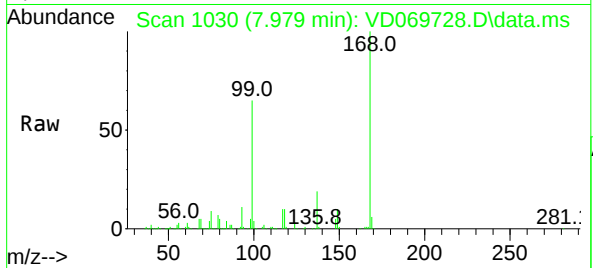




#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

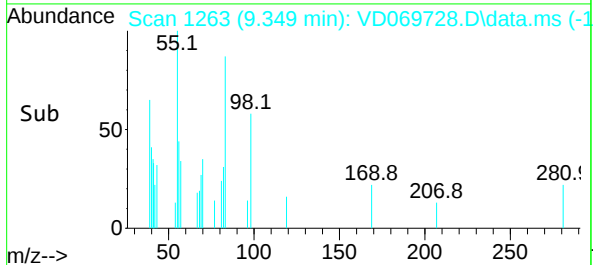
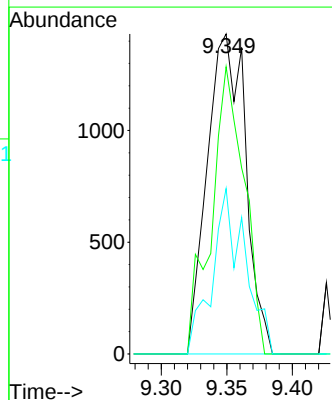
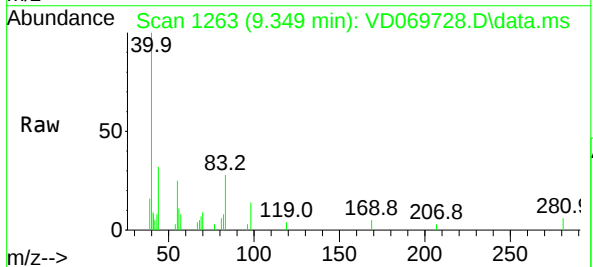
Instrument :
MSVOA_D
ClientSampled :

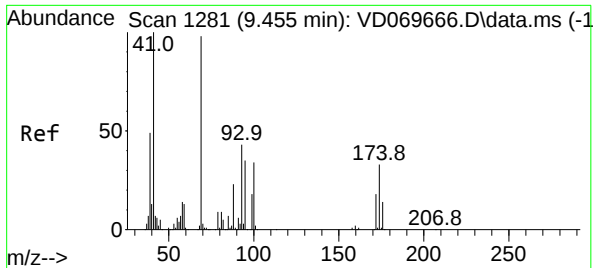
Tgt Ion:117 Resp: 57054
Ion Ratio Lower Upper
117 100
119 8.9 75.7 113.5#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 2.183 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 83 Resp: 2916
Ion Ratio Lower Upper
83 100
55 89.7 64.6 97.0
98 51.7 38.4 57.6

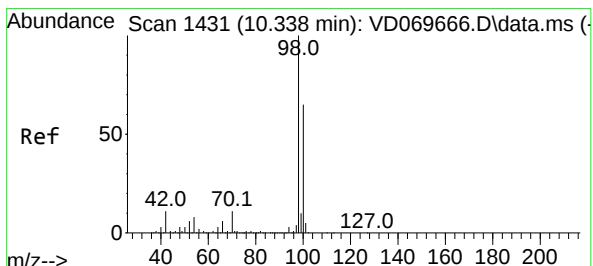
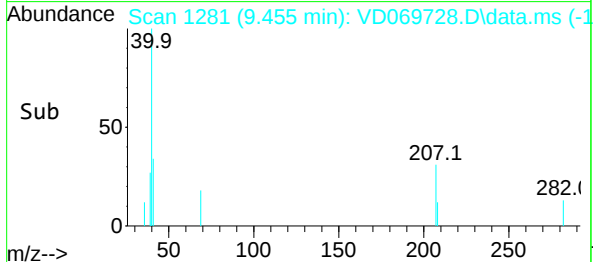
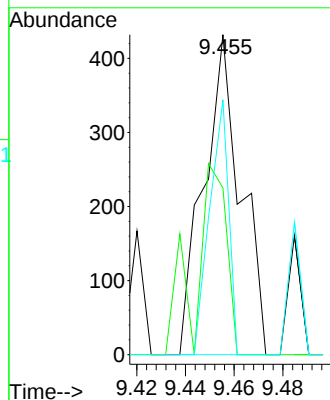
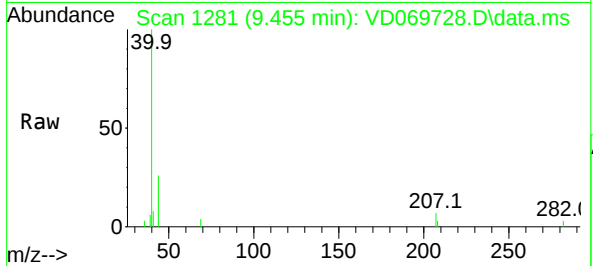




#48
Methyl methacrylate
Concen: 1.221 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

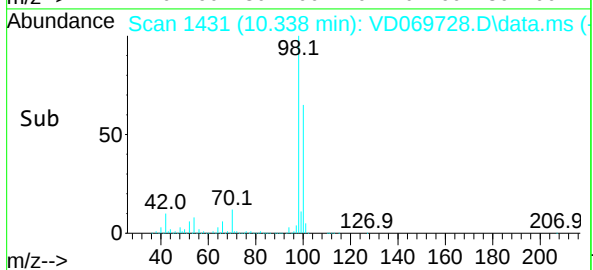
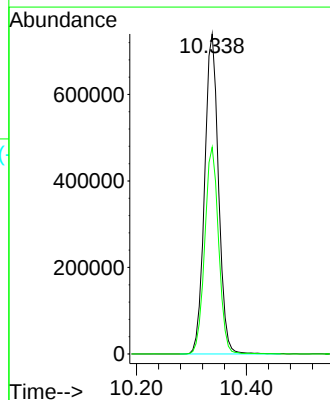
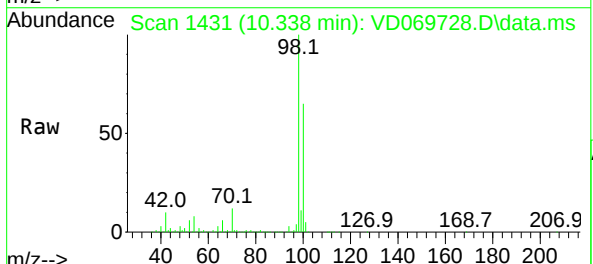
Instrument :
MSVOA_D
ClientSampleId :

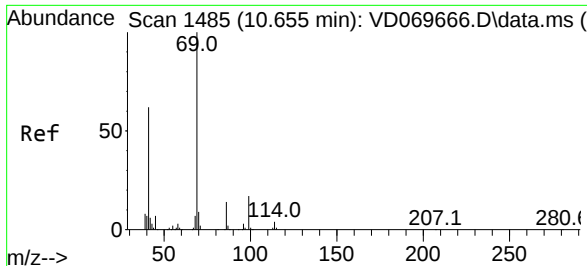
Tgt Ion: 41 Resp: 456
Ion Ratio Lower Upper
41 100
69 50.0 71.6 107.4#
39 41.0 36.7 55.1



#50
Toluene-d8
Concen: 49.068 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 98 Resp: 1293608
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

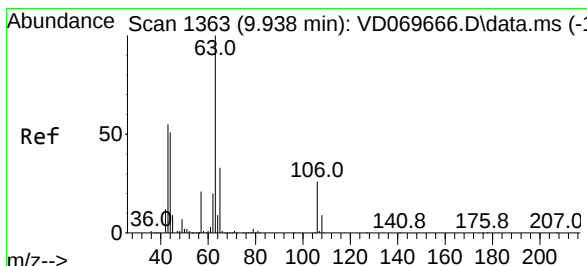
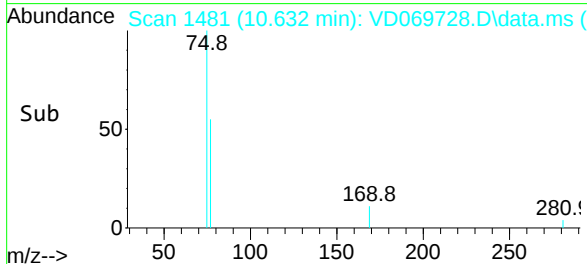
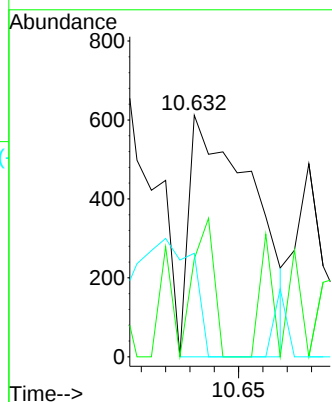
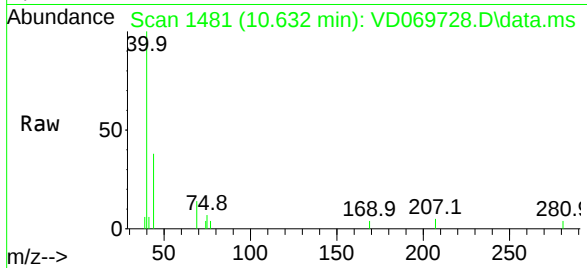




#56
Ethyl methacrylate
Concen: 1.821 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

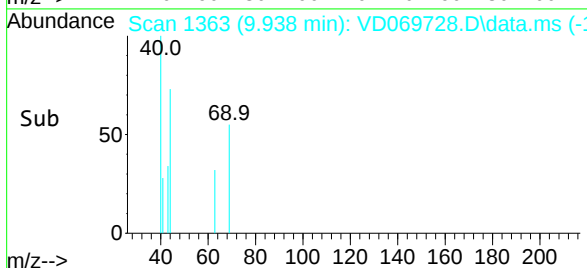
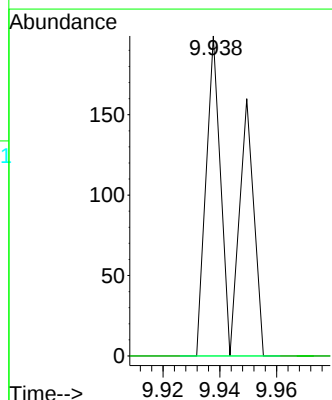
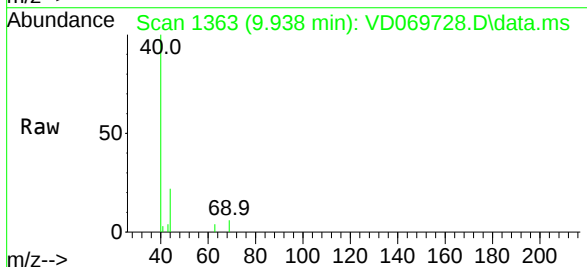
Instrument :
MSVOA_D
ClientSampleId :

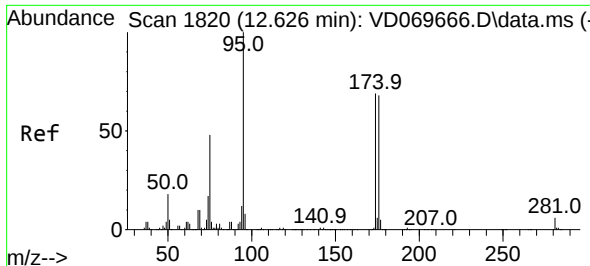
Tgt Ion: 69 Resp: 1115
Ion Ratio Lower Upper
69 100
41 27.8 49.5 74.3#
39 46.4 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.400 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 63 Resp: 127
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

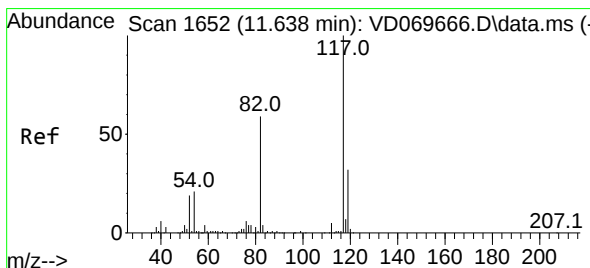
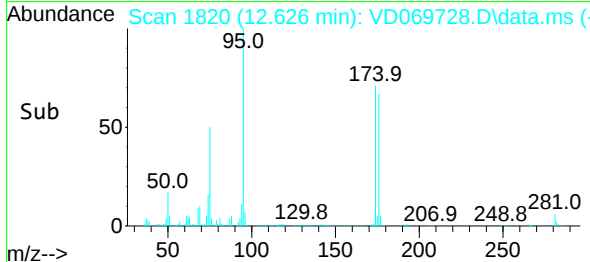
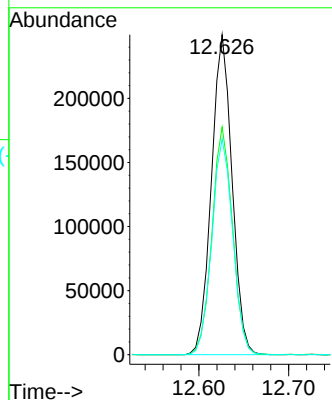
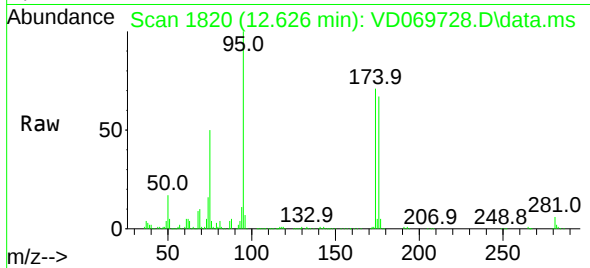




#62
4-Bromofluorobenzene
Concen: 45.324 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

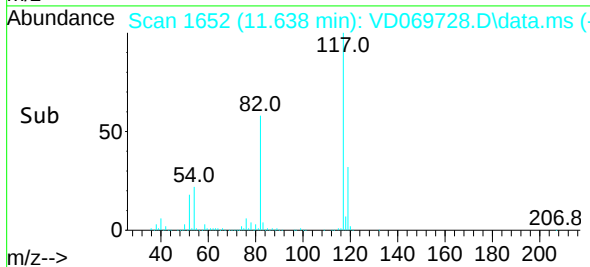
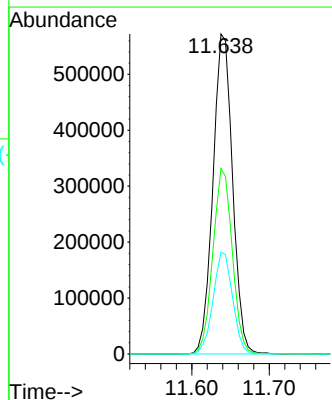
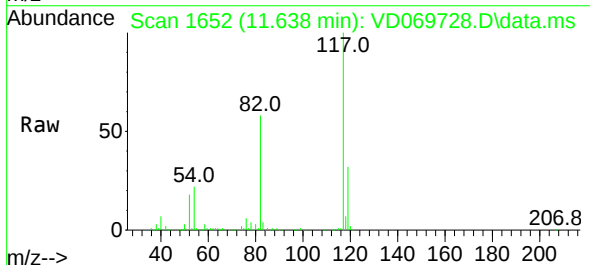
Instrument :
MSVOA_D
ClientSampleId :

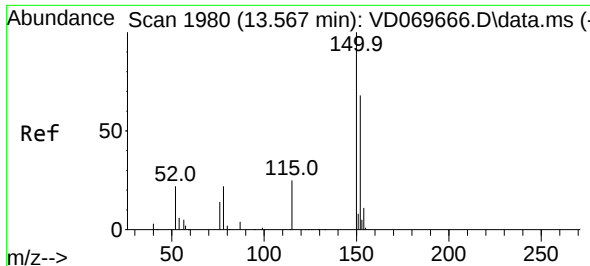
Tgt Ion: 95 Resp: 398517
Ion Ratio Lower Upper
95 100
174 70.9 0.0 140.0
176 68.5 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 117 Resp: 1005779
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.8 25.5 38.3

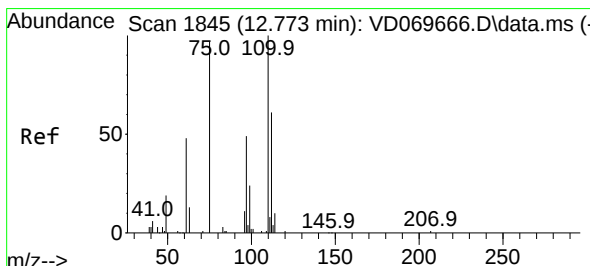
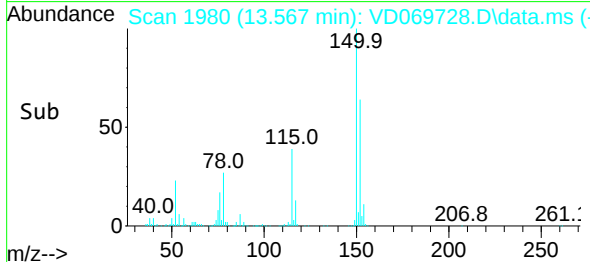
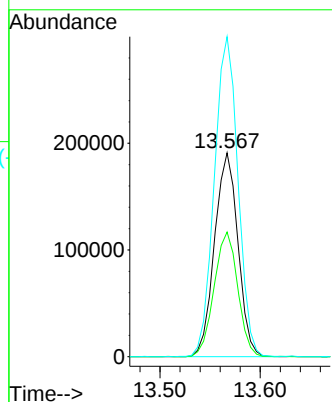
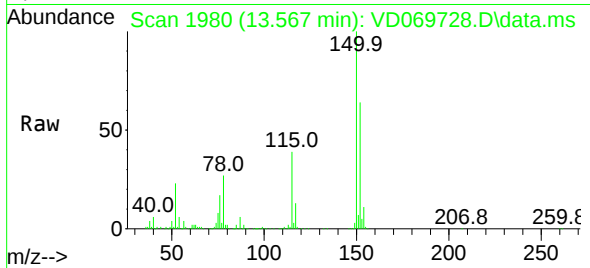




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

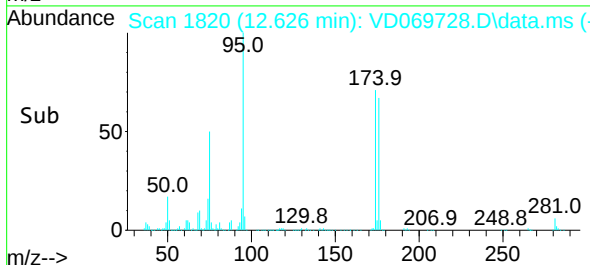
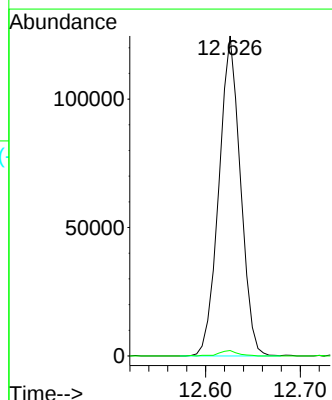
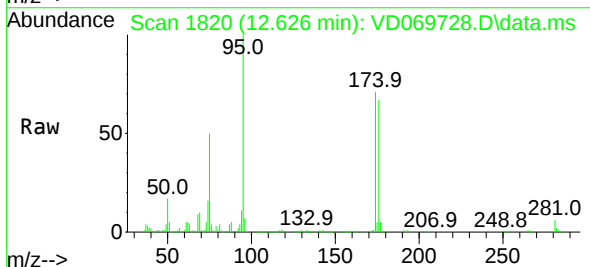
Instrument :
MSVOA_D
ClientSampleId :

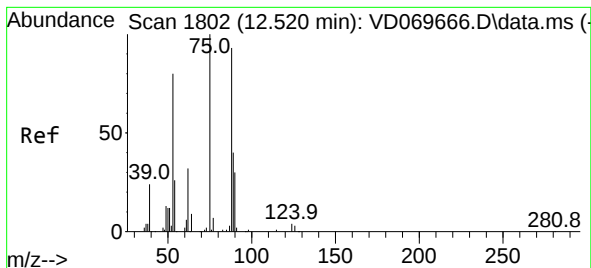
Tgt Ion:152 Resp: 309715
Ion Ratio Lower Upper
152 100
115 61.8 31.7 95.1
150 158.7 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 65.572 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion: 75 Resp: 197294
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

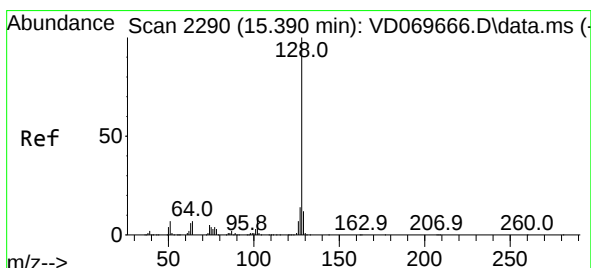
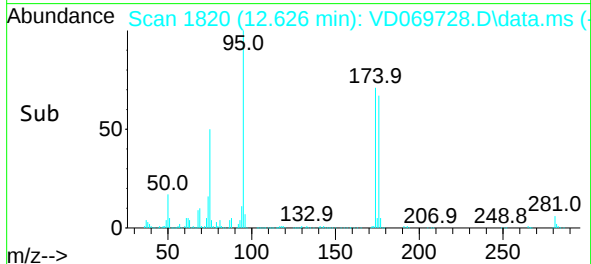
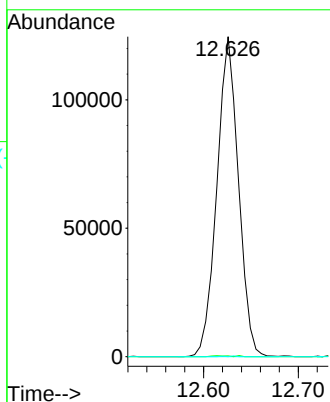
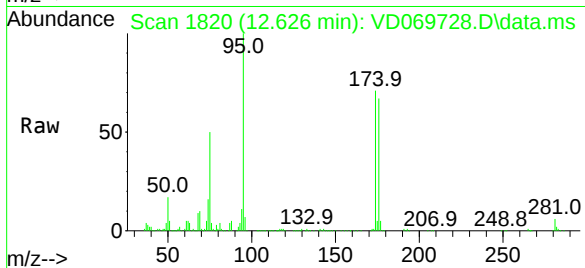




#81
trans-1,4-Dichloro-2-butene
Concen: 176.223 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 197294
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.1 35.1 52.7#



#95
Naphthalene
Concen: 2.281 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069728.D
Acq: 16 Jul 2021 16:36

Tgt Ion:128 Resp: 783
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

