

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070403.D
 Acq On : 21 Sep 2021 14:42
 Operator : VA/SY
 Sample : M3824-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:47:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	225721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	445448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	182665	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	162783	56.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.320%	
35) Dibromofluoromethane	7.914	113	148041	46.689	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.380%	
50) Toluene-d8	10.338	98	449030	39.005	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.000%	
62) 4-Bromofluorobenzene	12.626	95	163308	40.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.180%	

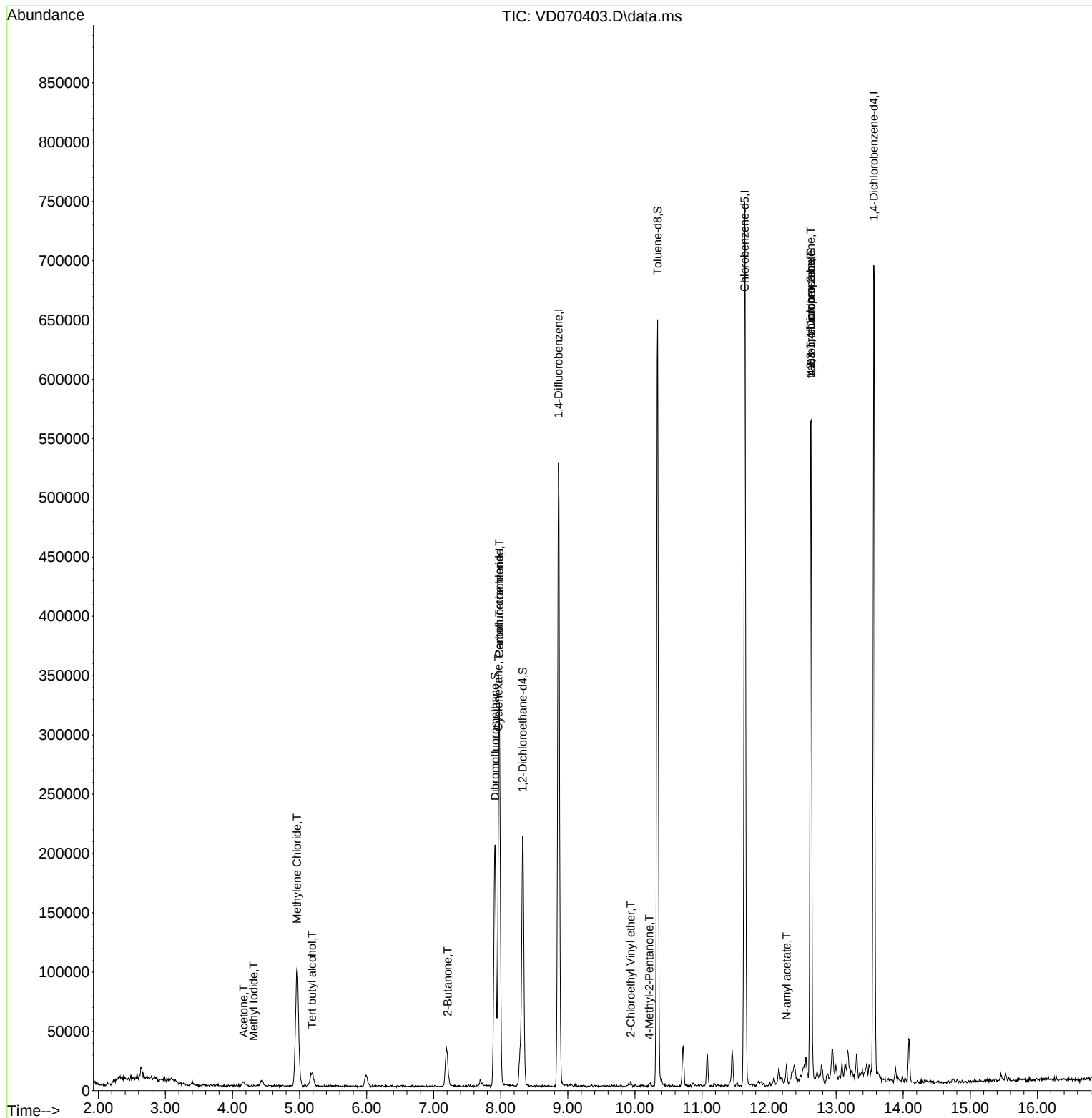
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	553	Below Cal	#	61
3) Chloromethane	2.215	50	1131	Below Cal		99
5) Bromomethane	2.773	94	962	Below Cal	#	28
6) Chloroethane	2.926	64	108	Below Cal	#	43
10) Methyl Iodide	4.314	142	491	1.201	ug/l #	52
11) Tert butyl alcohol	5.185	59	10370	31.644	ug/l #	100
16) Acetone	4.167	43	6115	11.818	ug/l	95
18) Methyl Acetate	4.714	43	681	Below Cal	#	48
20) Methylene Chloride	4.961	84	83871	21.934	ug/l	97
25) 2-Butanone	7.208	43	1102	1.600	ug/l #	47
31) Cyclohexane	7.967	56	5928	1.187	ug/l #	34
38) Carbon Tetrachloride	7.979	117	25826	5.484	ug/l #	17
51) 4-Methyl-2-Pentanone	10.214	43	1873	1.100	ug/l #	51
58) 2-Chloroethyl Vinyl ether	9.938	63	1756	1.287	ug/l #	65
74) N-amyl acetate	12.261	43	3704	1.327	ug/l #	51
76) 1,2,3-Trichloropropane	12.620	75	78249	42.350	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	78249	106.111	ug/l #	18

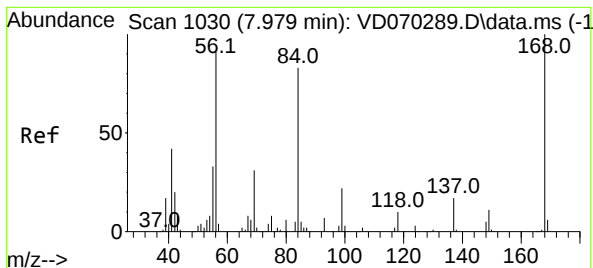
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

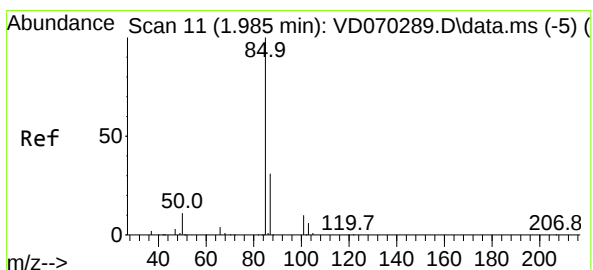
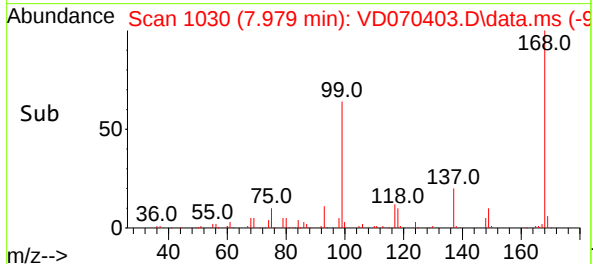
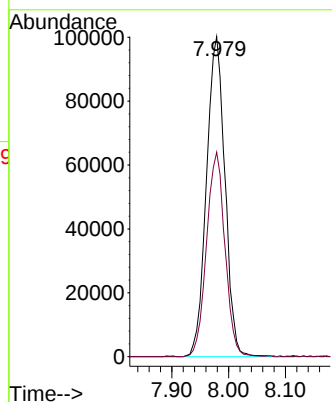
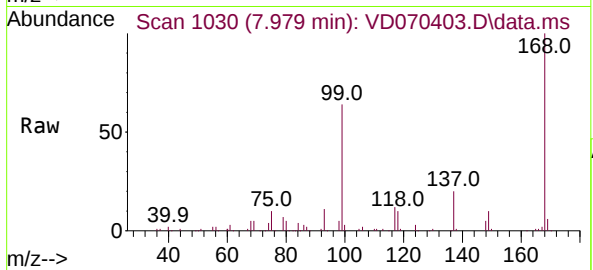




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

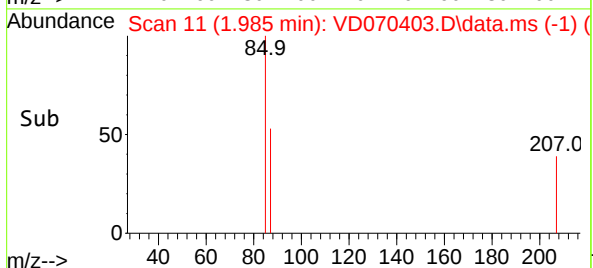
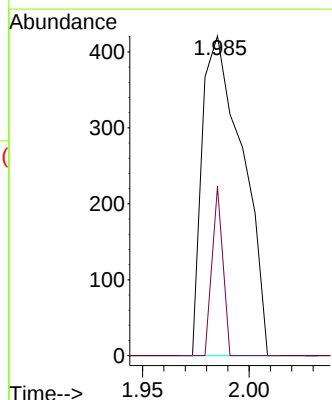
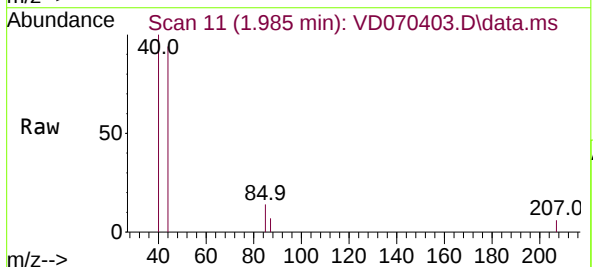
Instrument :
MSVOA_D
ClientSampleId :

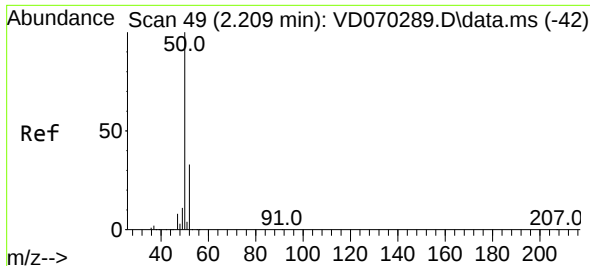
Tgt Ion:168 Resp: 225721
Ion Ratio Lower Upper
168 100
99 63.9 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 85 Resp: 553
Ion Ratio Lower Upper
85 100
87 53.0 15.6 46.8#

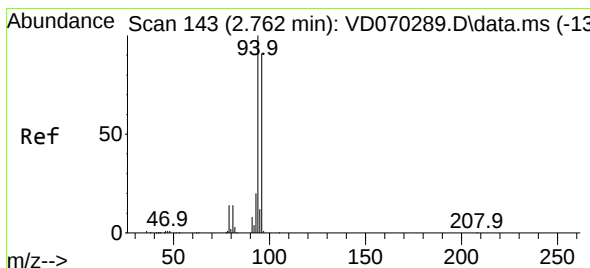
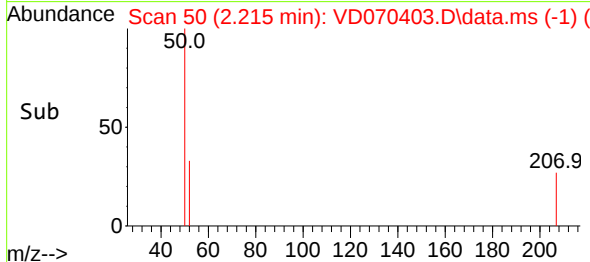
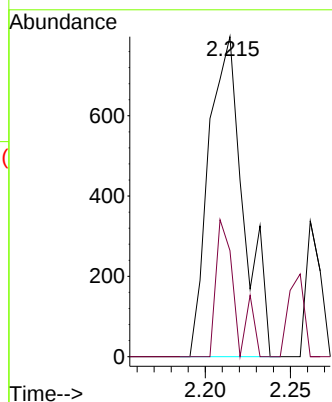
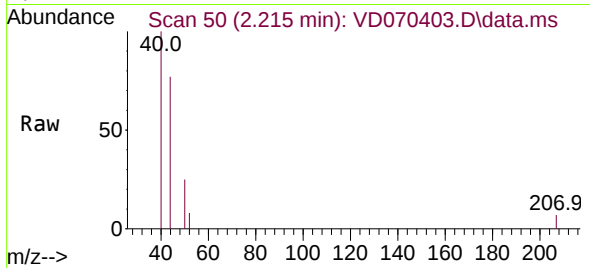




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

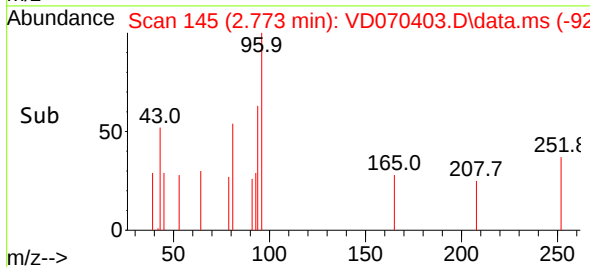
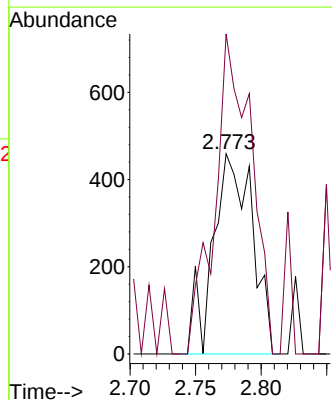
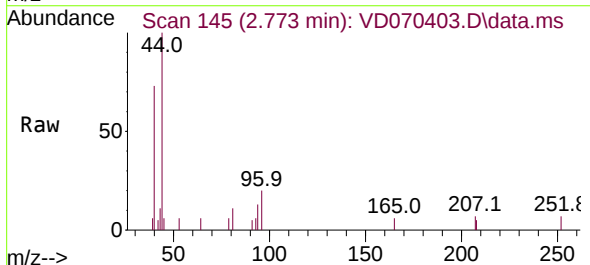
Instrument :
MSVOA_D
ClientSampled :

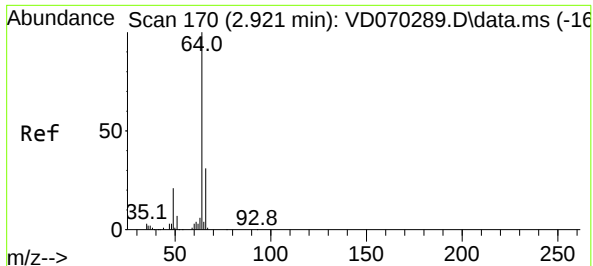
Tgt Ion: 50 Resp: 1131
Ion Ratio Lower Upper
50 100
52 33.1 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 94 Resp: 962
Ion Ratio Lower Upper
94 100
96 159.9 73.0 109.6#

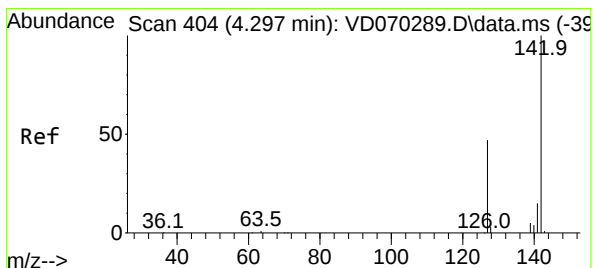
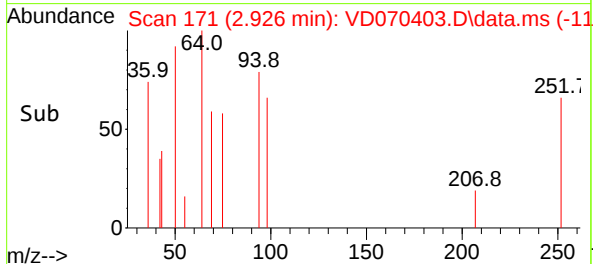
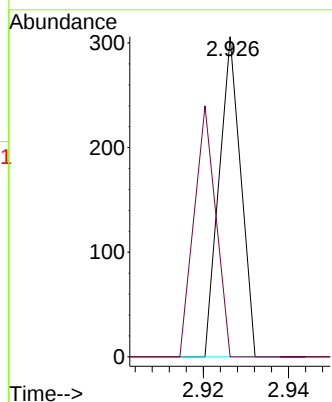
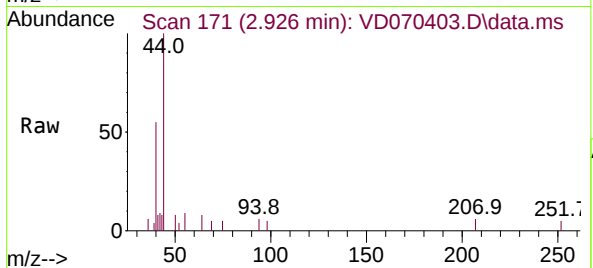




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

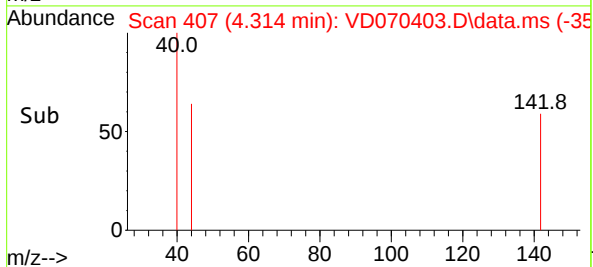
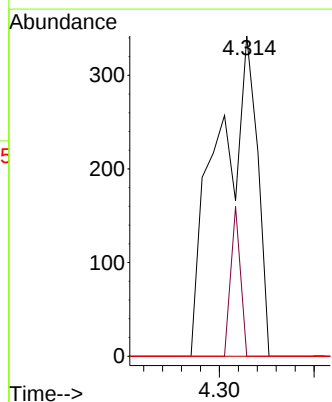
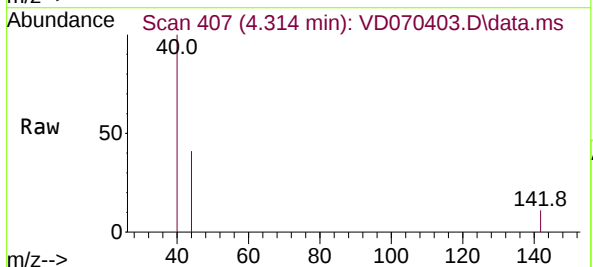
Instrument :
MSVOA_D
ClientSampled :

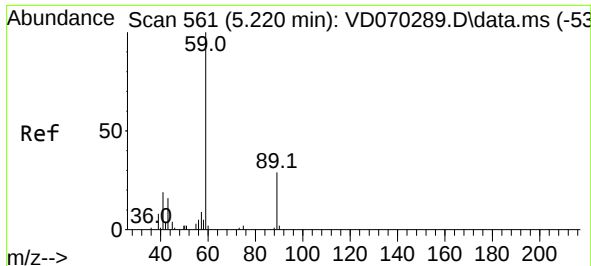
Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.201 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 142 Resp: 491
Ion Ratio Lower Upper
142 100
127 11.4 36.9 55.3#
141 0.0 11.8 17.6#

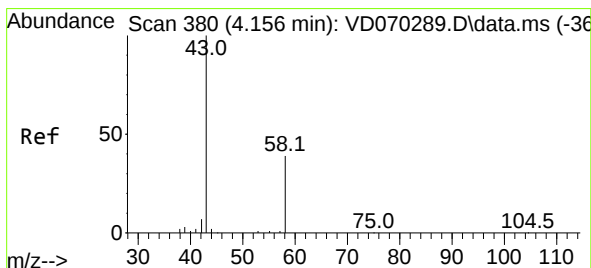
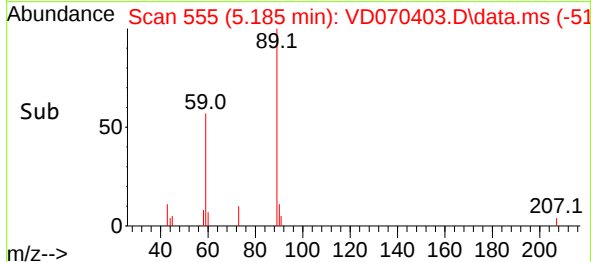
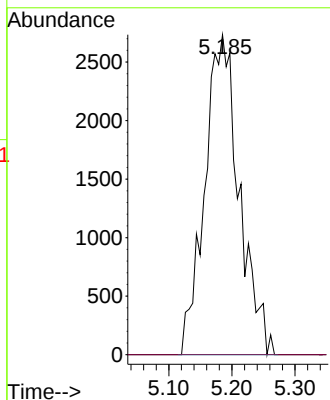
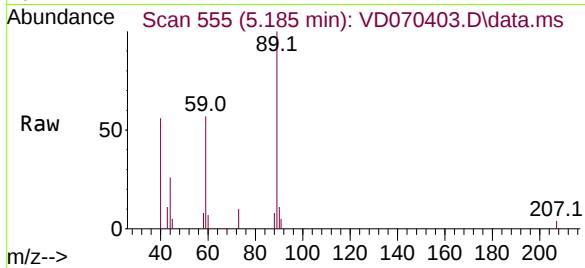




#11
Tert butyl alcohol
Concen: 31.644 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

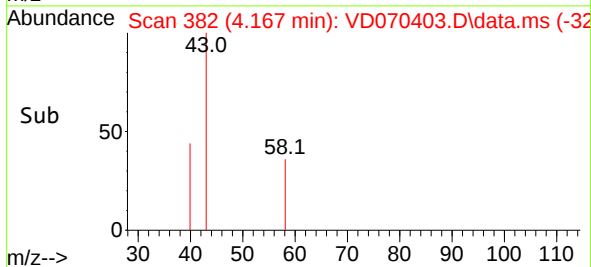
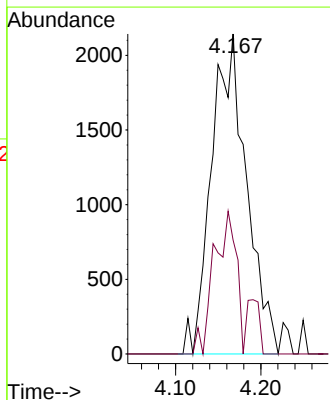
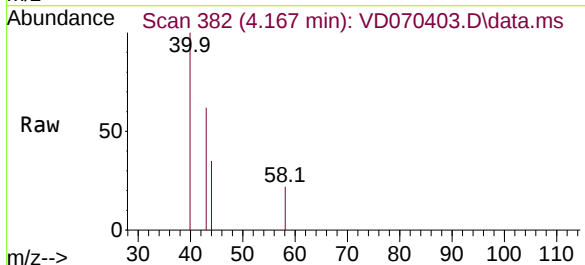
Instrument :
MSVOA_D
ClientSampled :

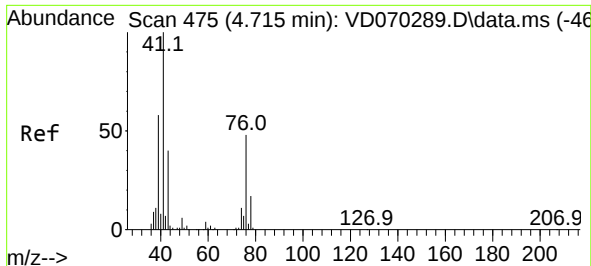
Tgt Ion: 59 Resp: 10370
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 11.818 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 43 Resp: 6115
Ion Ratio Lower Upper
43 100
58 35.6 30.9 46.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.714 min Scan# 475

Delta R.T. -0.001 min

Lab File: VD070403.D

Acq: 21 Sep 2021 14:42

Instrument :

MSVOA_D

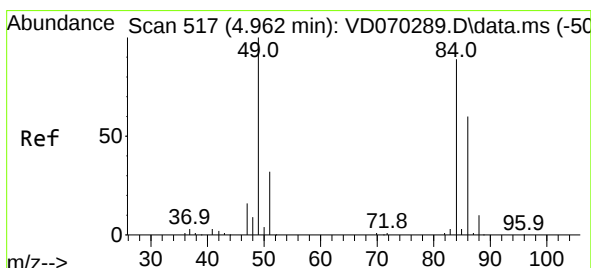
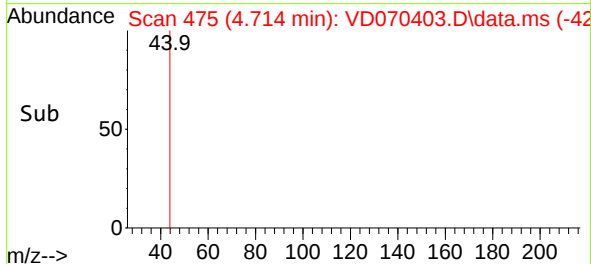
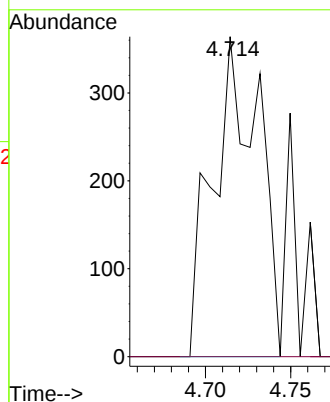
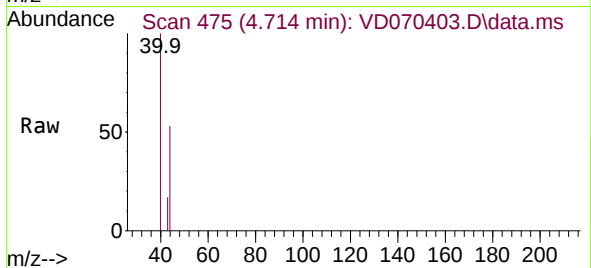
ClientSampled :

Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: 21.934 ug/l

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD070403.D

Acq: 21 Sep 2021 14:42

Tgt Ion: 84 Resp: 83871

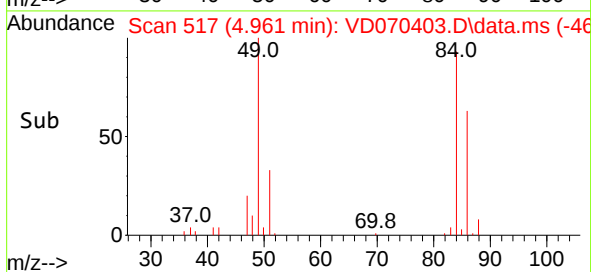
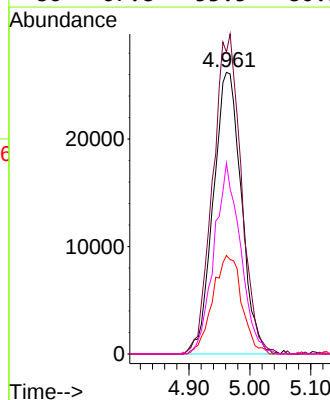
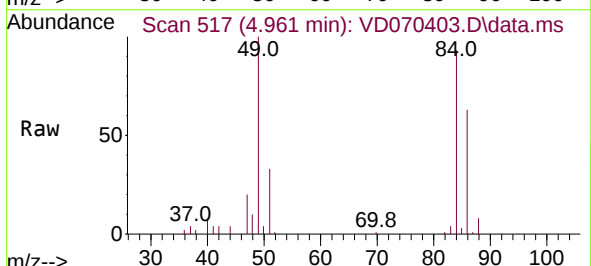
Ion Ratio Lower Upper

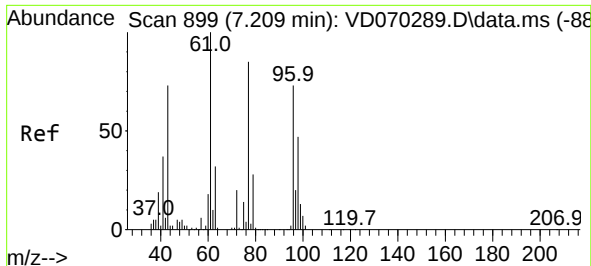
84 100

49 107.1 89.6 134.4

51 35.0 28.6 43.0

86 67.8 53.5 80.3

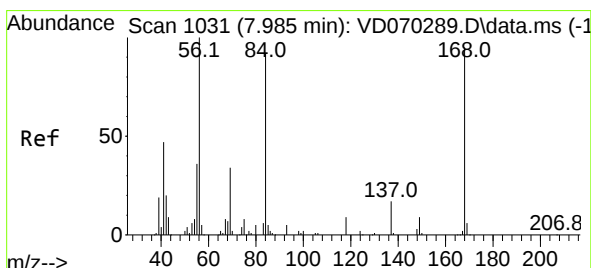
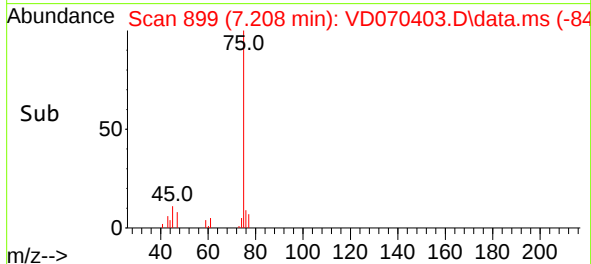
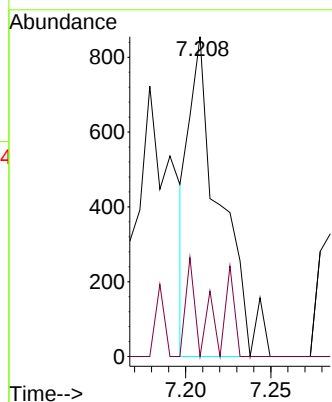
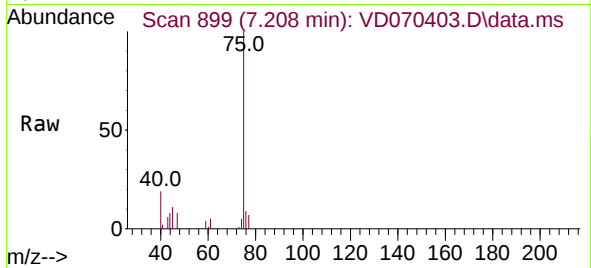




#25
2-Butanone
Concen: 1.600 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

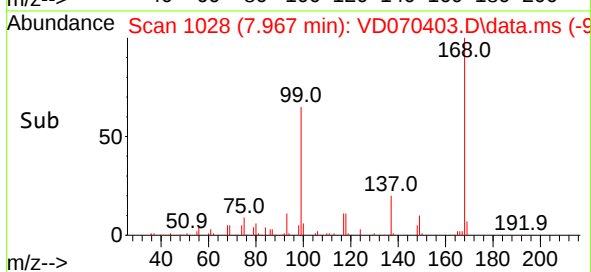
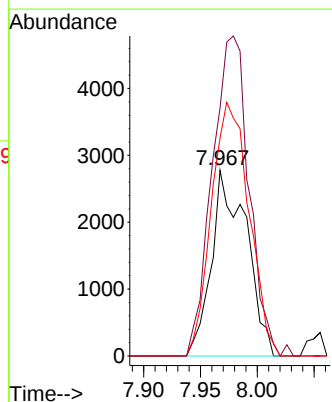
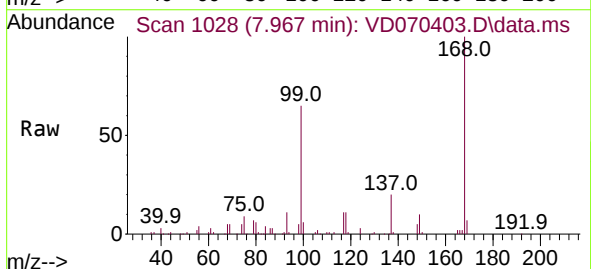
Instrument :
MSVOA_D
ClientSampled :

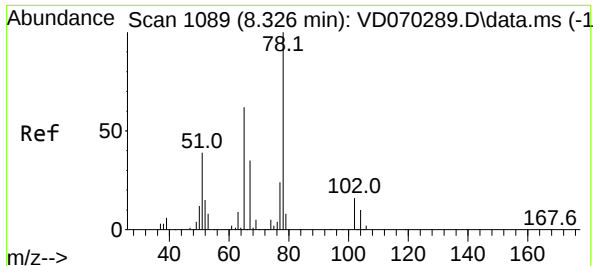
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 56 Resp: 5928
Ion Ratio Lower Upper
56 100
69 133.5 26.9 40.3#
84 117.4 73.6 110.4#

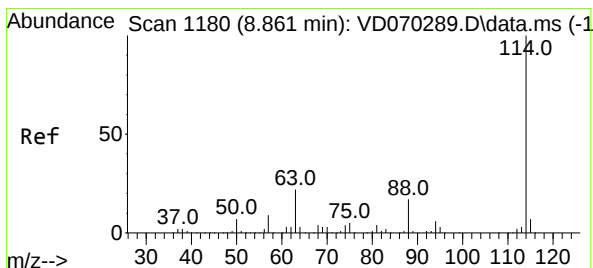
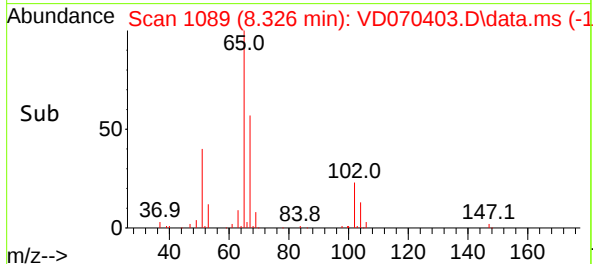
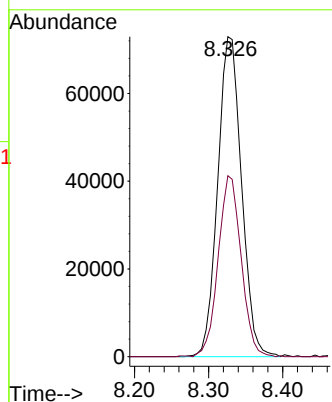
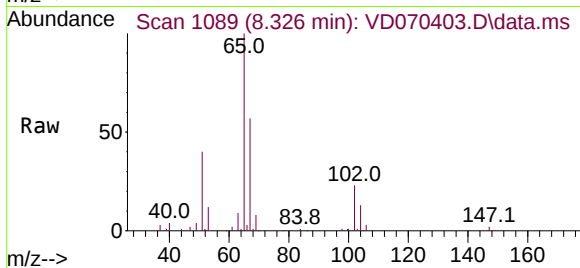




#33
1,2-Dichloroethane-d4
Concen: 56.165 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

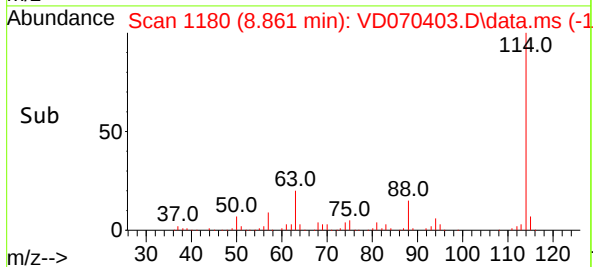
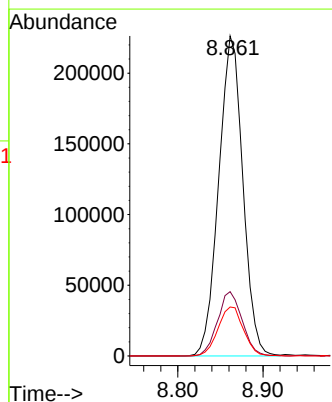
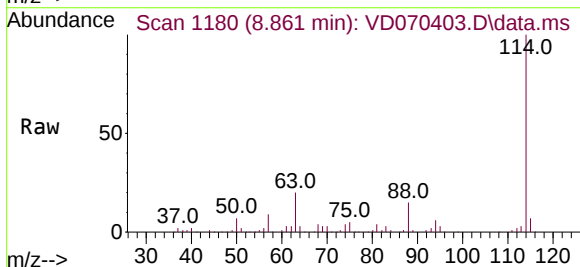
Instrument :
MSVOA_D
ClientSampleId :

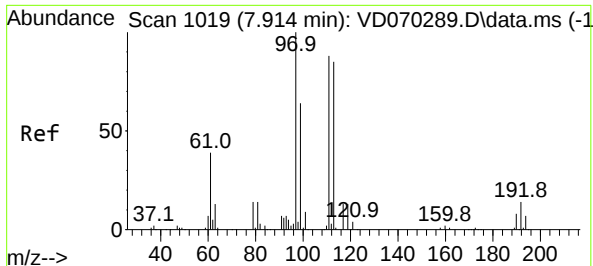
Tgt Ion: 65 Resp: 162783
Ion Ratio Lower Upper
65 100
67 54.7 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion:114 Resp: 445448
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.4
88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.689 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070403.D

Acq: 21 Sep 2021 14:42

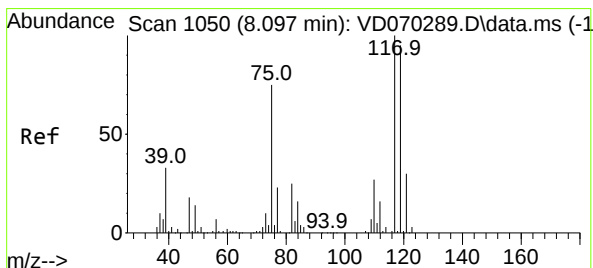
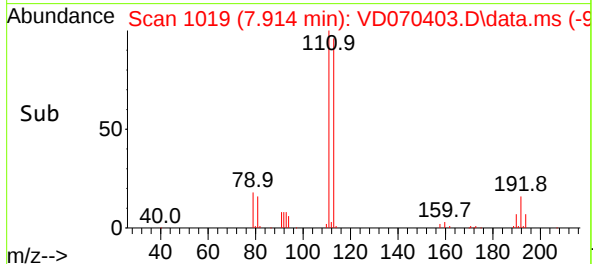
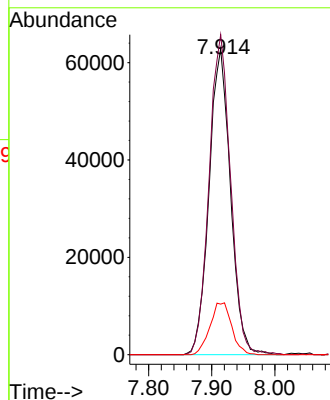
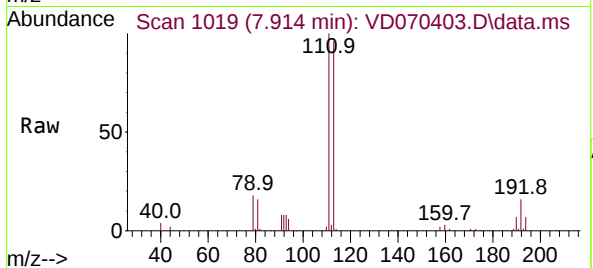
Tgt Ion:113 Resp: 148041

Ion Ratio Lower Upper

113 100

111 105.2 81.4 122.2

192 17.3 13.0 19.6



#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070403.D

Acq: 21 Sep 2021 14:42

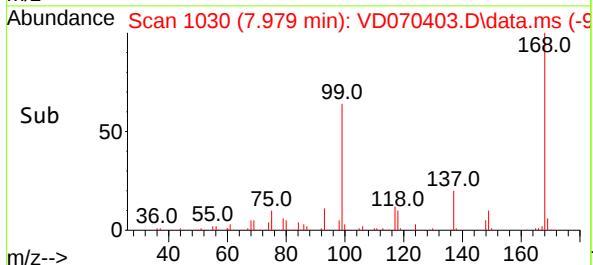
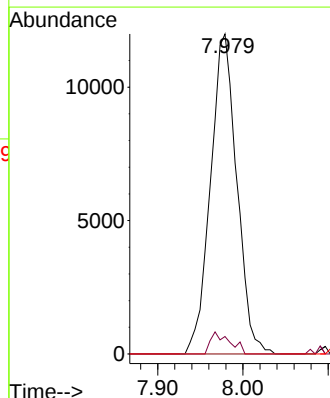
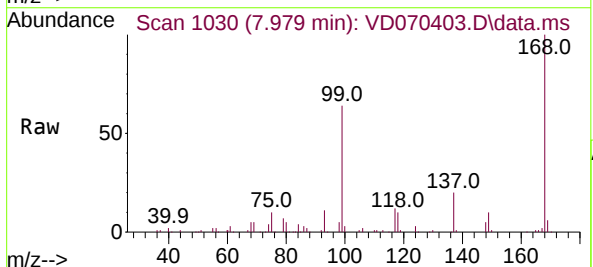
Tgt Ion:117 Resp: 25826

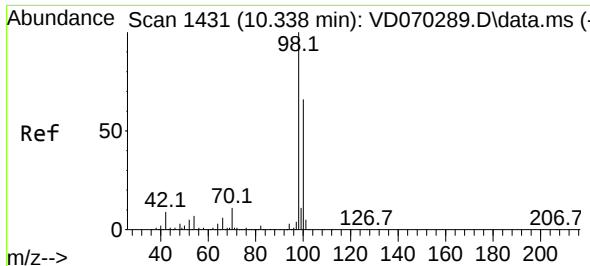
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 23.8 35.6#

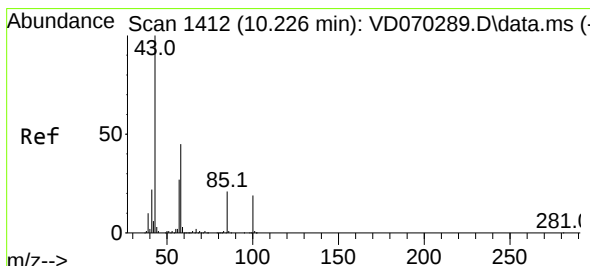
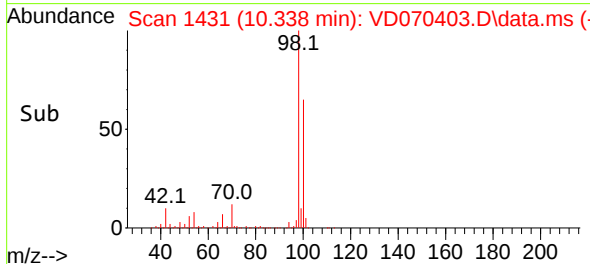
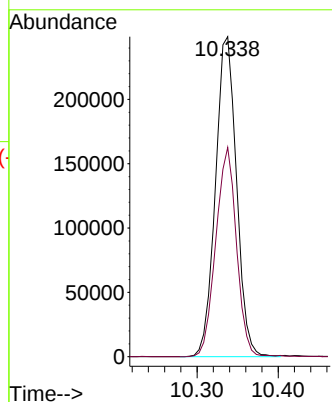
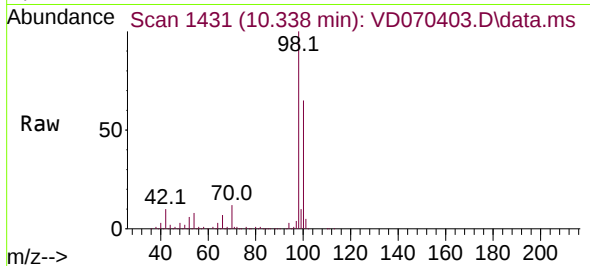




#50
Toluene-d8
Concen: 39.005 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

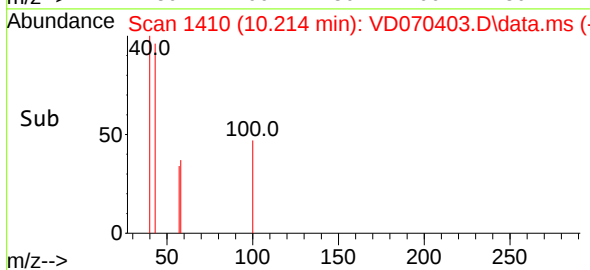
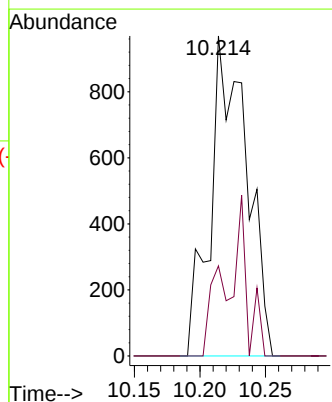
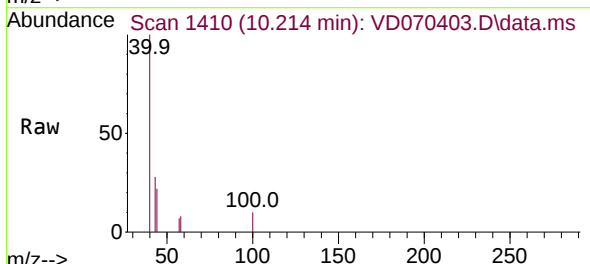
Instrument :
MSVOA_D
ClientSampled :

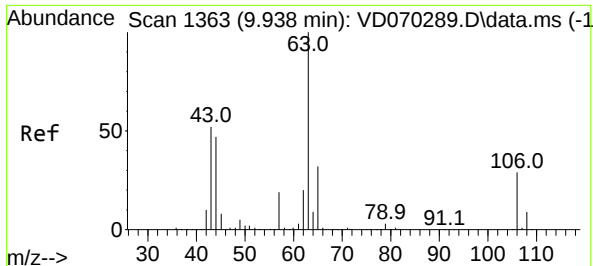
Tgt Ion: 98 Resp: 449030
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.100 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 43 Resp: 1873
Ion Ratio Lower Upper
43 100
58 12.3 35.4 53.2#

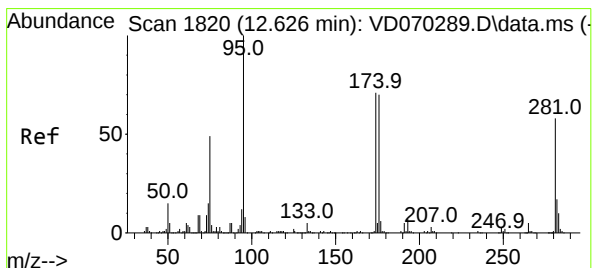
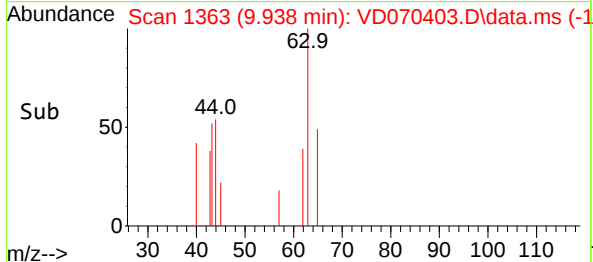
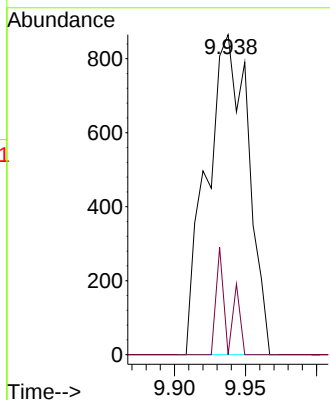
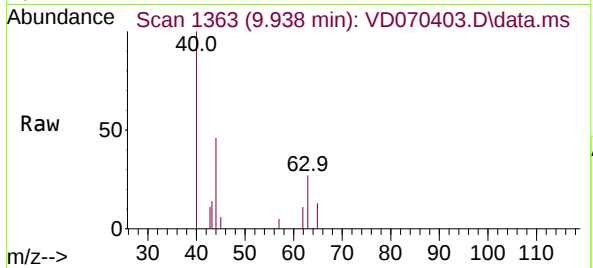




#58
2-Chloroethyl Vinyl ether
Concen: 1.287 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

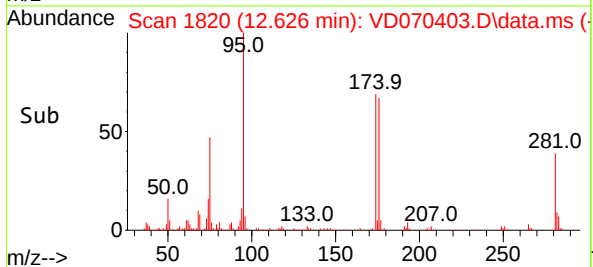
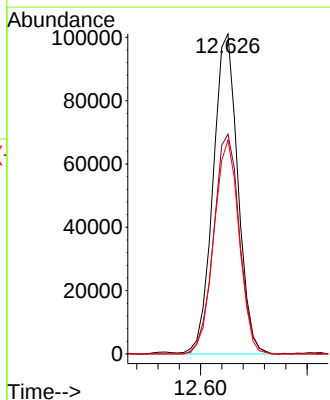
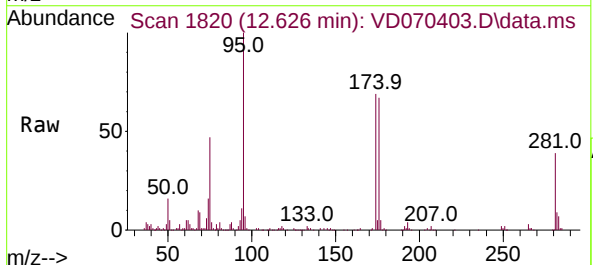
Instrument :
MSVOA_D
ClientSampled :

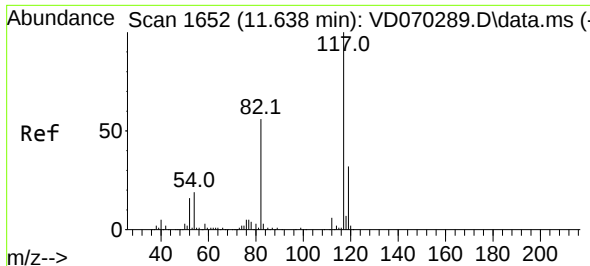
Tgt Ion: 63 Resp: 1756
Ion Ratio Lower Upper
63 100
106 9.7 22.3 33.5#



#62
4-Bromofluorobenzene
Concen: 40.590 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion: 95 Resp: 163308
Ion Ratio Lower Upper
95 100
174 71.5 0.0 140.6
176 68.0 0.0 137.4

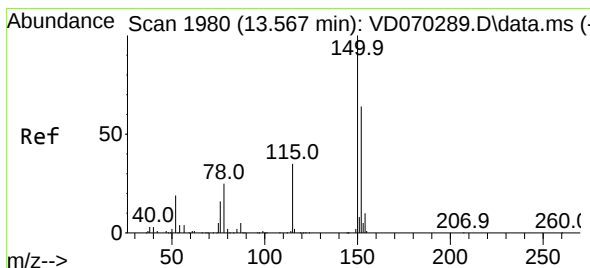
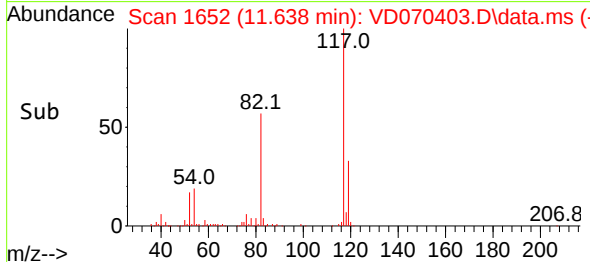
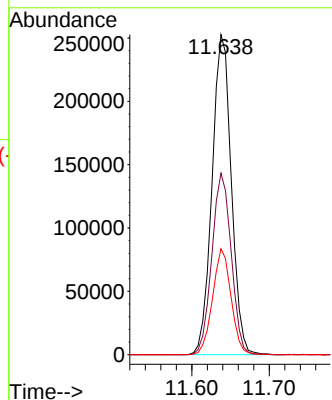
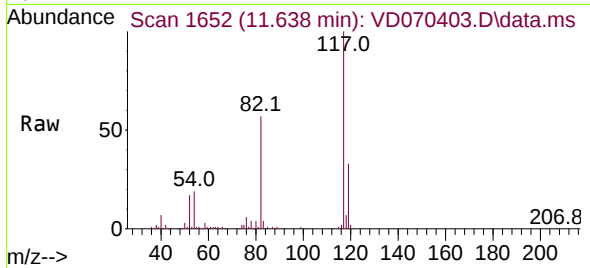




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

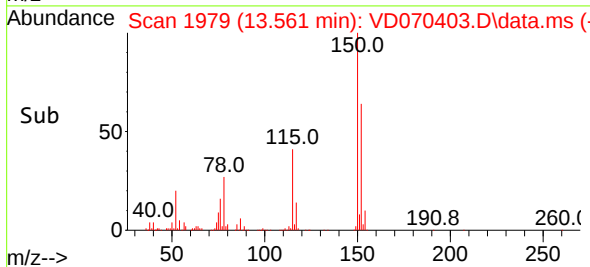
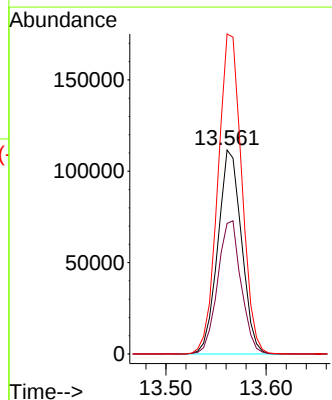
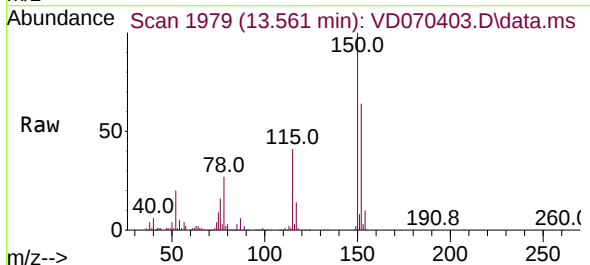
Instrument :
MSVOA_D
ClientSampled :

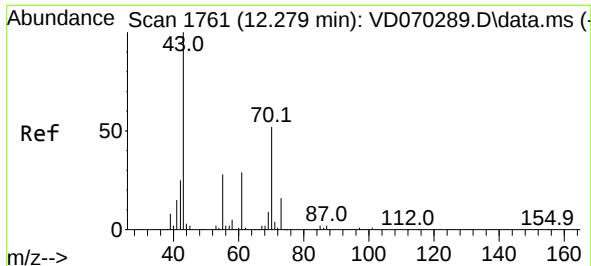
Tgt Ion:	117	Resp:	435676
Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.0	67.4
119	33.1	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

Tgt Ion:	152	Resp:	182665
Ion	Ratio	Lower	Upper
152	100		
115	64.7	32.1	96.3
150	158.2	0.0	350.6

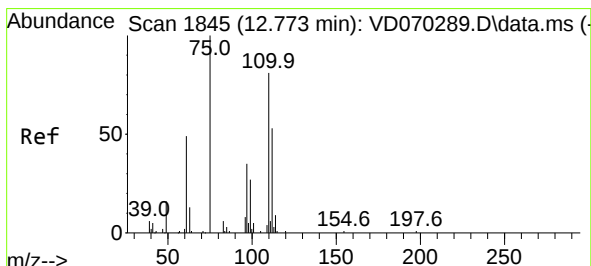
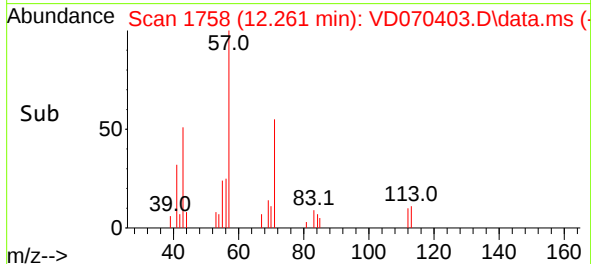
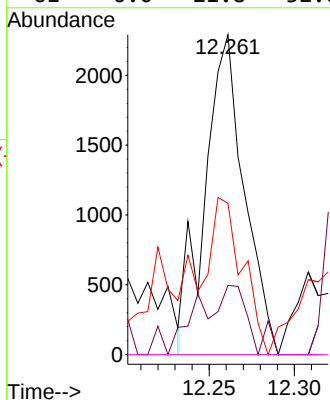
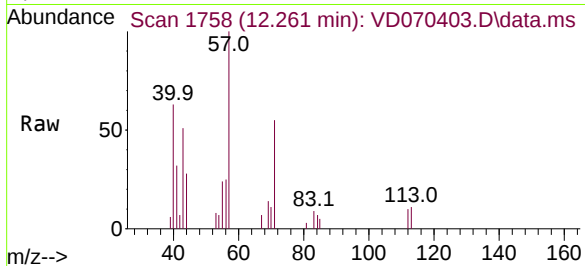




#74
N-amy1 acetate
Concen: 1.327 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

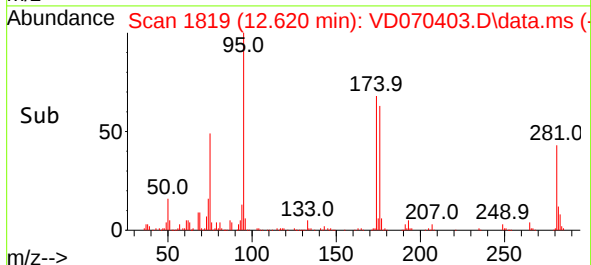
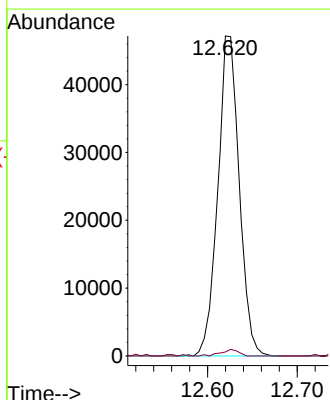
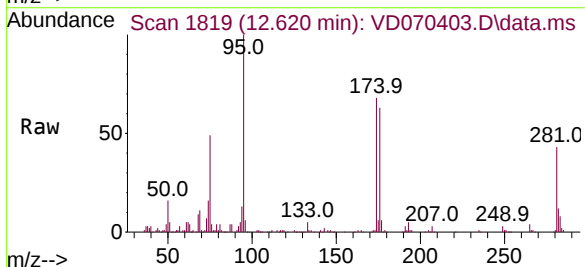
Instrument :
MSVOA_D
ClientSampled :

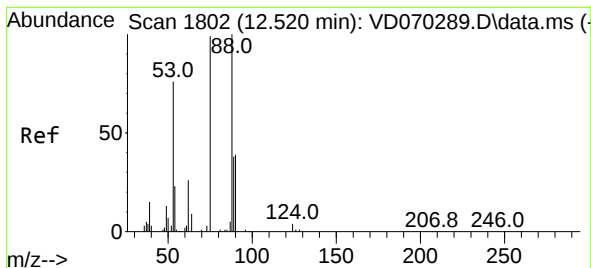
Tgt Ion:	43	Resp:	3704
Ion	Ratio	Lower	Upper
43	100		
70	17.1	41.4	62.0#
55	51.6	22.8	34.2#
61	0.0	21.8	32.6#



#76
1,2,3-Trichloropropane
Concen: 42.350 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070403.D
Acq: 21 Sep 2021 14:42

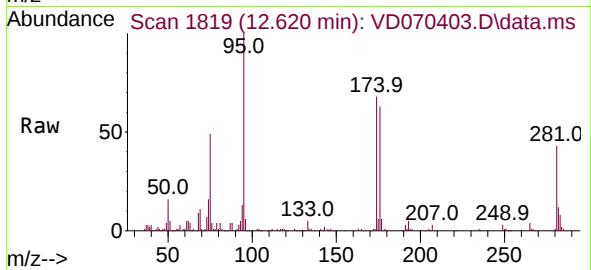
Tgt Ion:	75	Resp:	78249
Ion	Ratio	Lower	Upper
75	100		
77	1.7	174.9	524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.111 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070403.D
 Acq: 21 Sep 2021 14:42

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.7	64.2	96.2#
89	0.2	35.6	53.4#

