

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071058.D
 Acq On : 19 Nov 2021 15:56
 Operator : VA/SY
 Sample : M4758-33
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:53:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

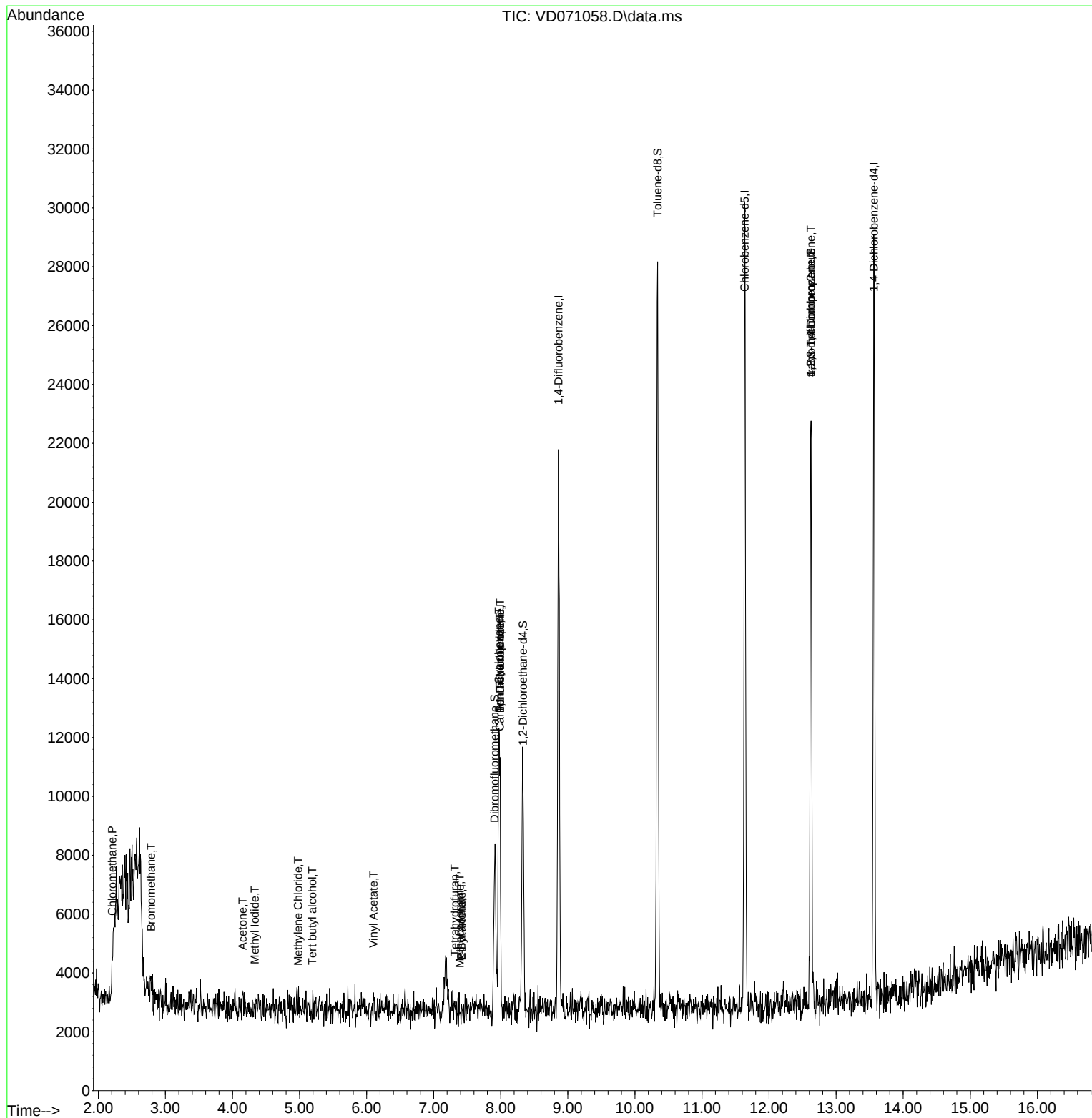
Internal Standards						
1) Pentafluorobenzene	7.990	168	7905	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.861	114	13987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	13613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	6122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	6776	80.509	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.020%	
35) Dibromofluoromethane	7.908	113	3589	45.473	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.940%	
50) Toluene-d8	10.337	98	17053	55.171	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.340%	
62) 4-Bromofluorobenzene	12.625	95	7028	63.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.300%	
Target Compounds						Qvalue
3) Chloromethane	2.208	50	283	3.521	ug/l #	42
5) Bromomethane	2.785	94	428	8.124	ug/l	84
10) Methyl Iodide	4.332	142	55	6.549	ug/l #	40
11) Tert butyl alcohol	5.191	59	57	9.267	ug/l #	71
16) Acetone	4.149	43	400	36.001	ug/l #	40
20) Methylene Chloride	4.979	84	173	1.395	ug/l #	7
23) Vinyl Acetate	6.102	43	59	21.308	ug/l #	72
25) 2-Butanone	7.414	43	60	22.244	ug/l #	45
29) Tetrahydrofuran	7.314	42	60	3.509	ug/l #	34
31) Cyclohexane	7.973	56	350	2.022	ug/l #	16
36) 1,1-Dichloropropene	7.990	75	209	1.674	ug/l #	41
37) Ethyl Acetate	7.414	43	60	1.053	ug/l #	66
38) Carbon Tetrachloride	7.985	117	637	5.539	ug/l #	12
41) Methacrylonitrile	7.390	41	73	5.123	ug/l #	12
76) 1,2,3-Trichloropropane	12.625	75	3496	66.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	3496	123.493	ug/l #	18

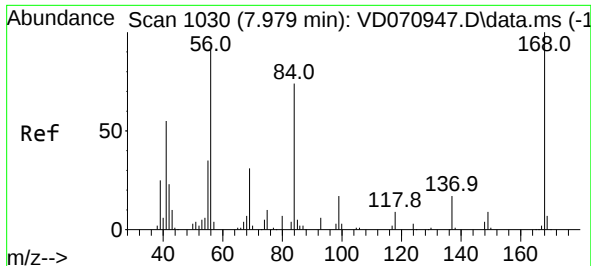
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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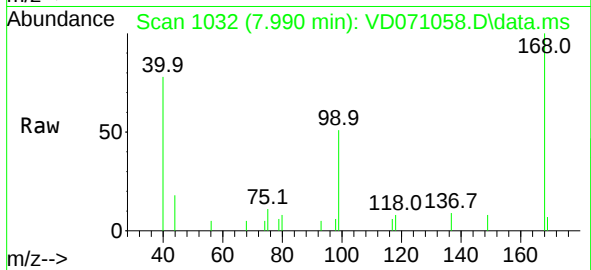
Quant Time: Nov 22 02:53:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
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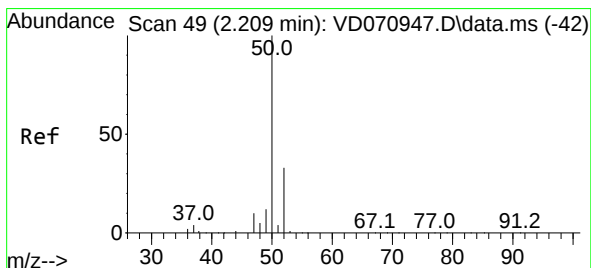
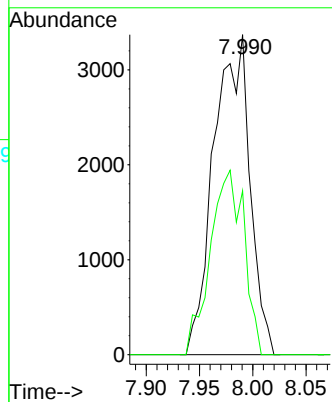
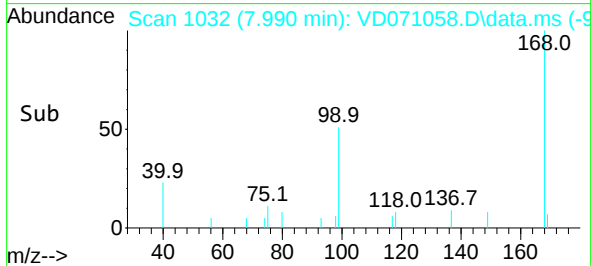


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.990 min Scan# 10
Delta R.T. 0.011 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

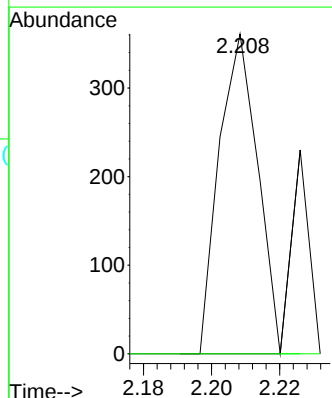
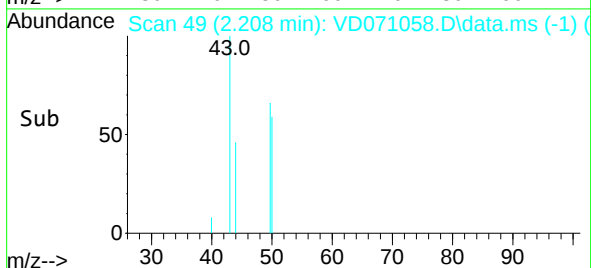
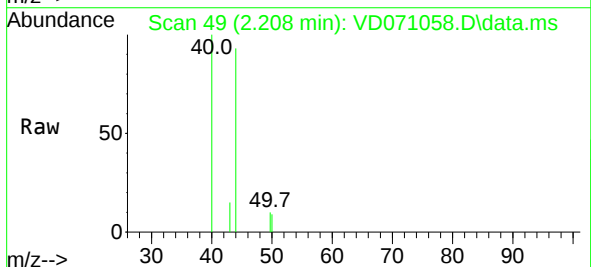


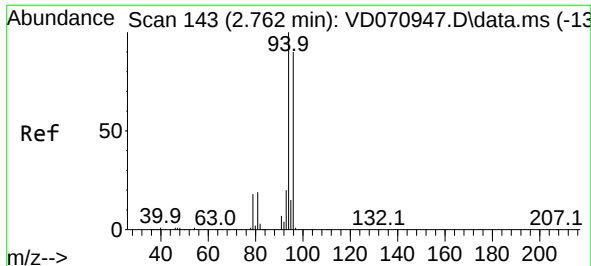
Tgt Ion:168 Resp: 7905
Ion Ratio Lower Upper
168 100
99 51.2 46.6 69.8



#3
Chloromethane
Concen: 3.521 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

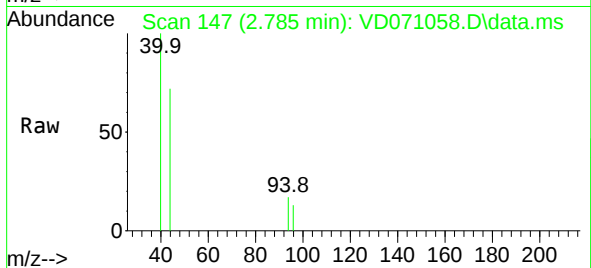
Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



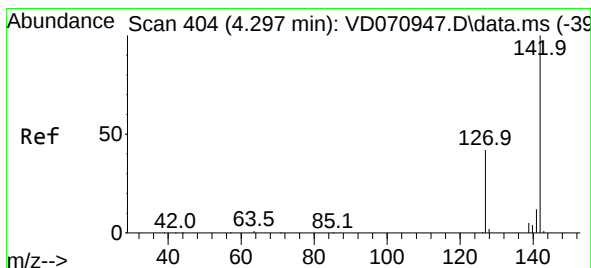
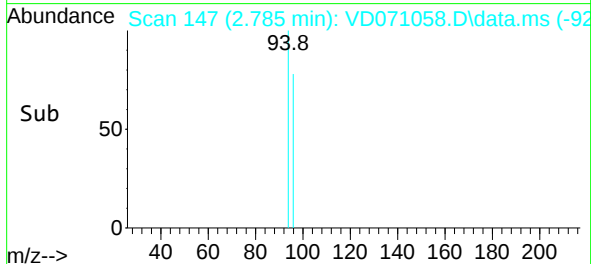
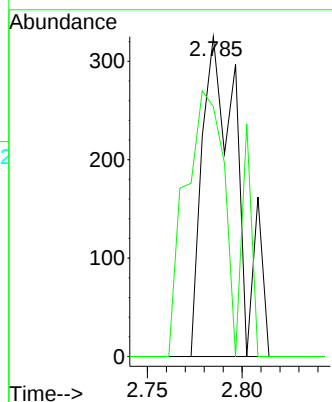


#5
Bromomethane
Concen: 8.124 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.023 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

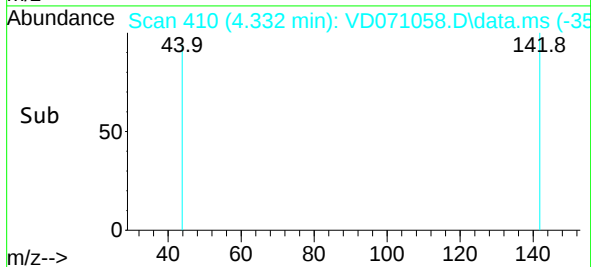
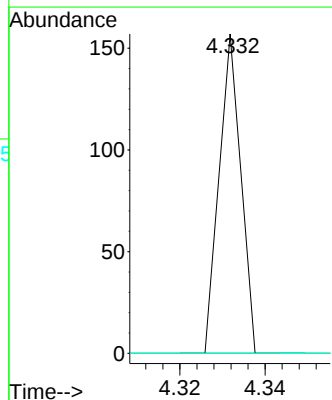
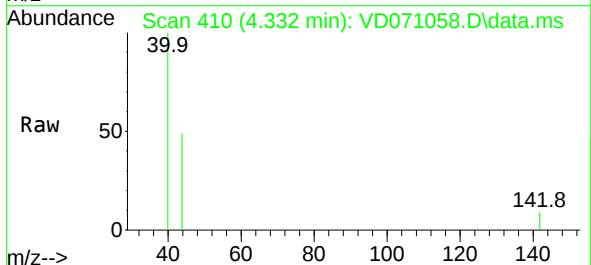


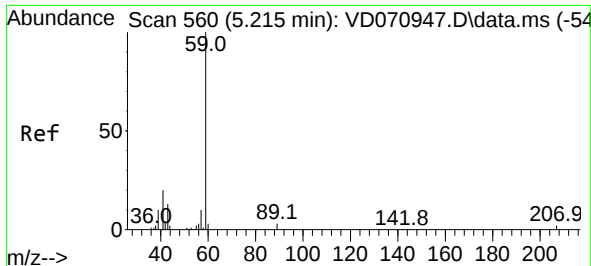
Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 78.2 74.8 112.2



#10
Methyl Iodide
Concen: 6.549 ug/l
RT: 4.332 min Scan# 410
Delta R.T. 0.035 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion: 142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#11

Tert butyl alcohol

Concen: 9.267 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.024 min

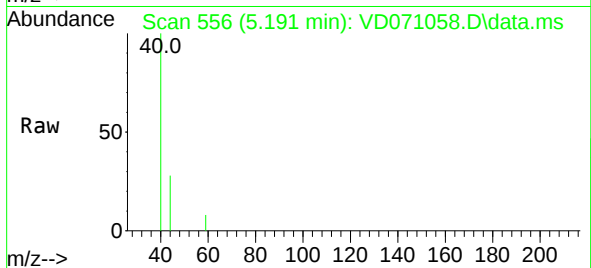
Lab File: VD071058.D

Acq: 19 Nov 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

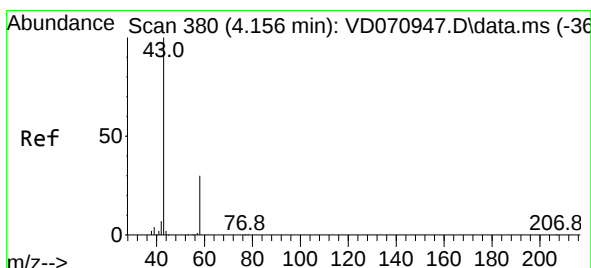
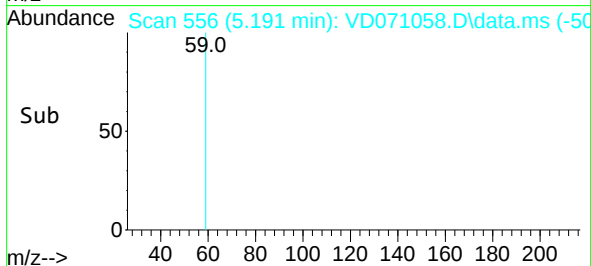
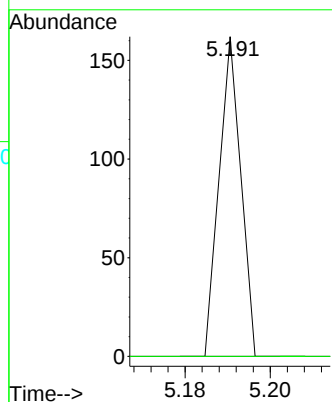


Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#16

Acetone

Concen: 36.001 ug/l

RT: 4.149 min Scan# 379

Delta R.T. -0.007 min

Lab File: VD071058.D

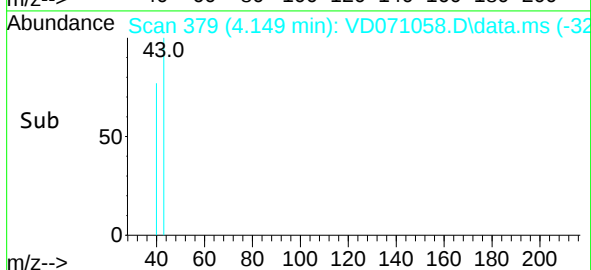
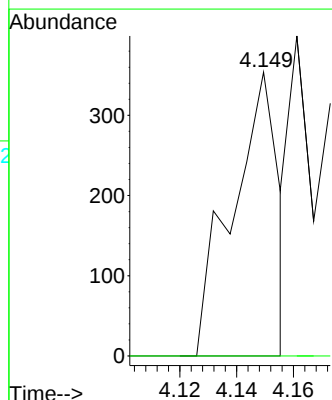
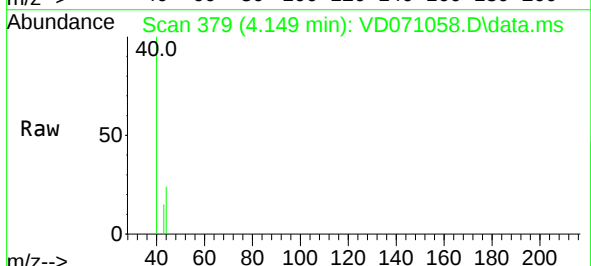
Acq: 19 Nov 2021 15:56

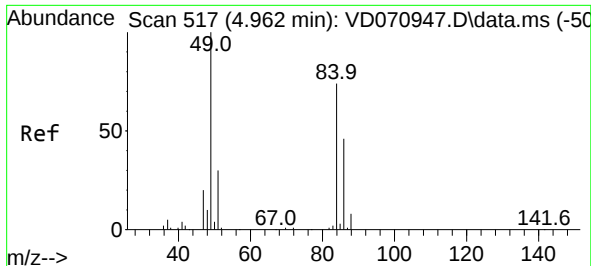
Tgt Ion: 43 Resp: 400

Ion Ratio Lower Upper

43 100

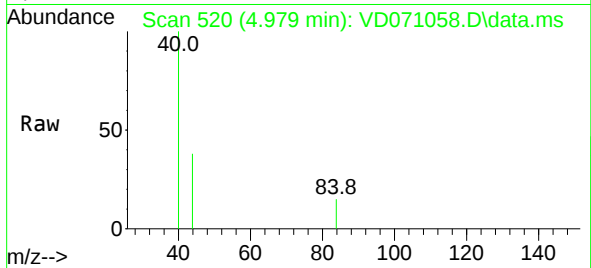
58 0.0 27.8 41.8#



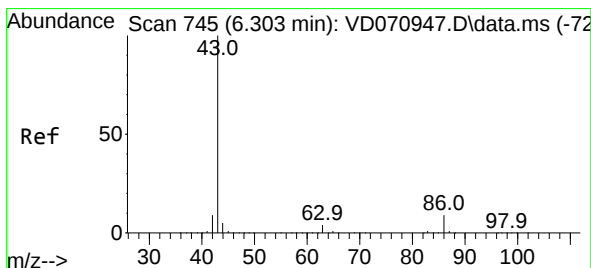
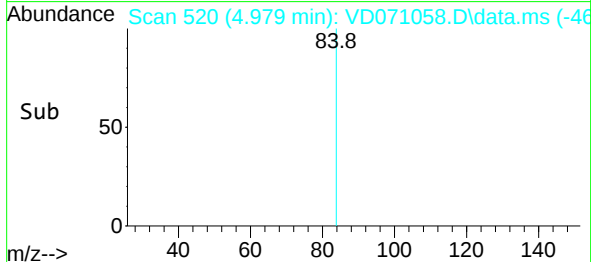
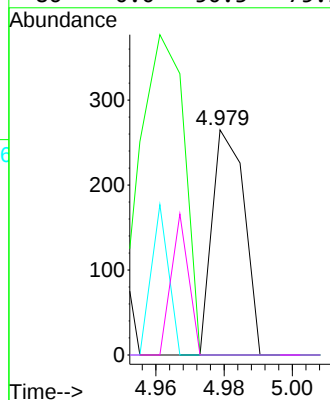


#20
Methylene Chloride
Concen: 1.395 ug/l
RT: 4.979 min Scan# 51
Delta R.T. 0.017 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

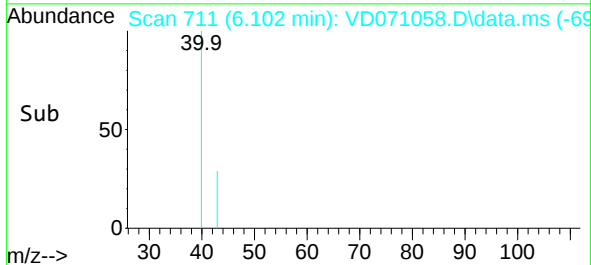
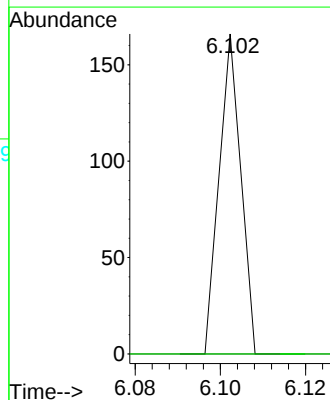
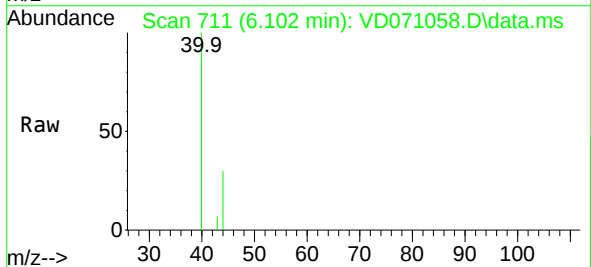


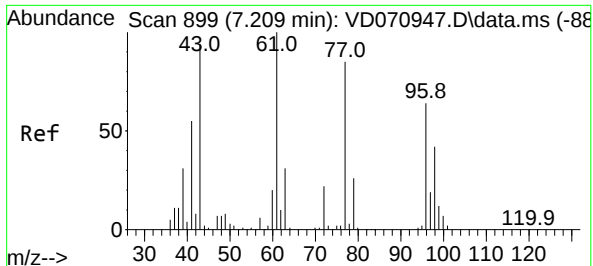
Tgt Ion:	84	Resp:	173
Ion	Ratio	Lower	Upper
84	100		
49	0.0	95.8	143.6#
51	0.0	30.9	46.3#
86	0.0	50.3	75.5#



#23
Vinyl Acetate
Concen: 21.308 ug/l
RT: 6.102 min Scan# 711
Delta R.T. -0.201 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

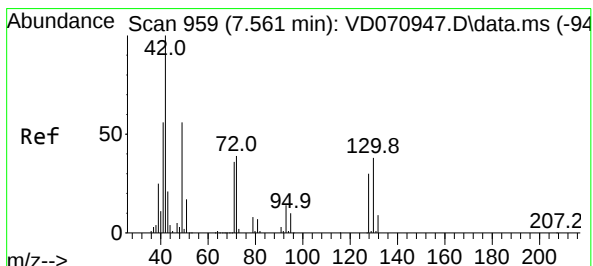
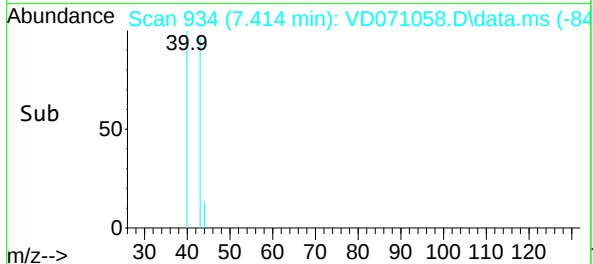
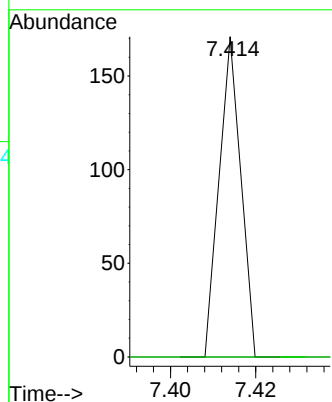
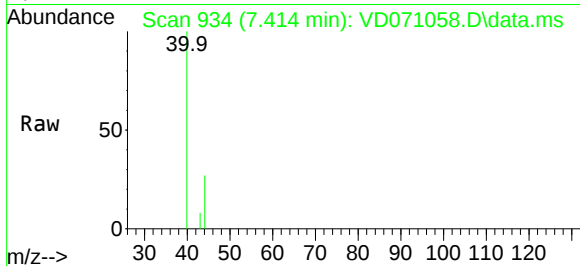




#25
2-Butanone
Concen: 22.244 ug/l
RT: 7.414 min Scan# 917
Delta R.T. 0.205 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

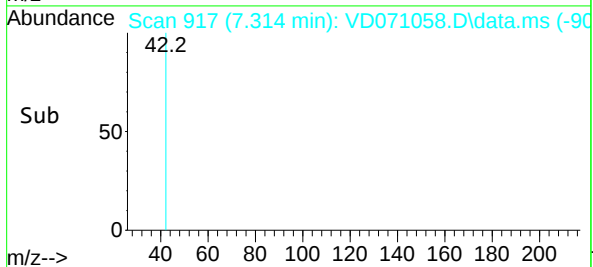
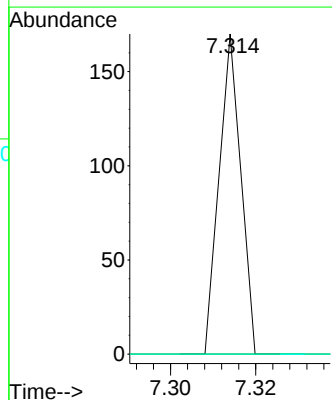
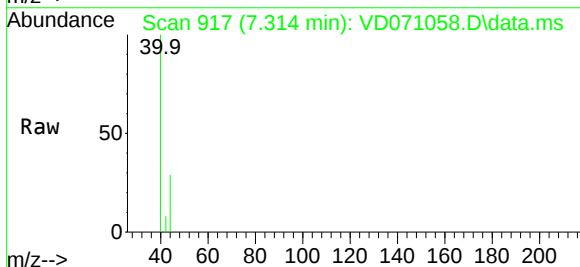
Instrument :
MSVOA_D
ClientSampleId :

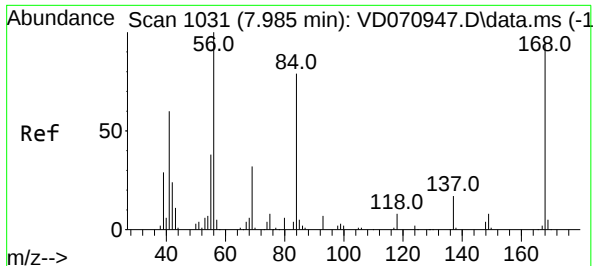
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 3.509 ug/l
RT: 7.314 min Scan# 917
Delta R.T. -0.247 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion: 42 Resp: 60
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 2.022 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

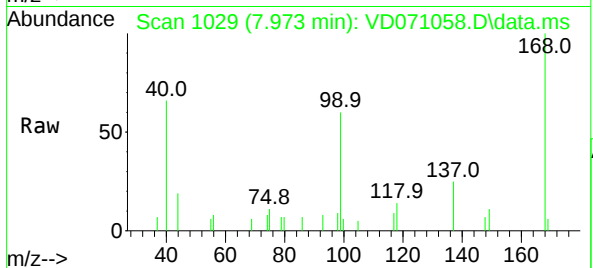
Lab File: VD071058.D

Acq: 19 Nov 2021 15:56

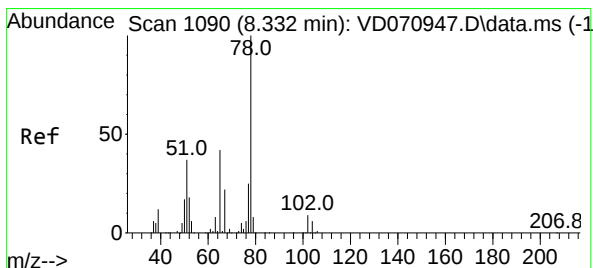
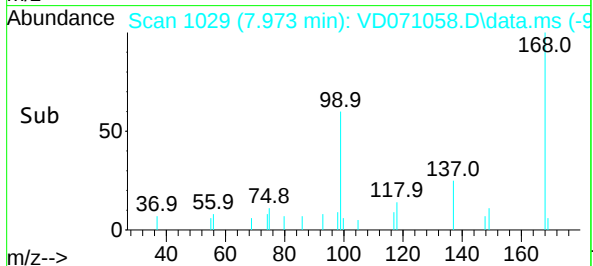
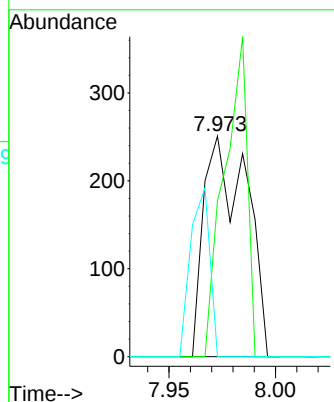
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	350
Ion Ratio	100	Lower	Upper
56	100		
69	70.5	25.9	38.9#
84	0.0	64.3	96.5#



#33

1,2-Dichloroethane-d4

Concen: 80.509 ug/l

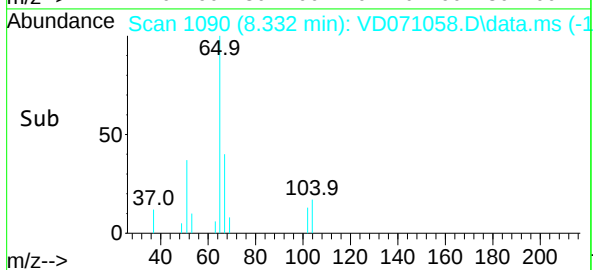
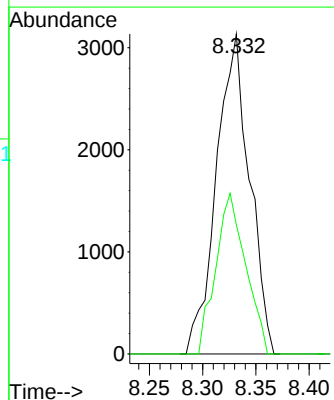
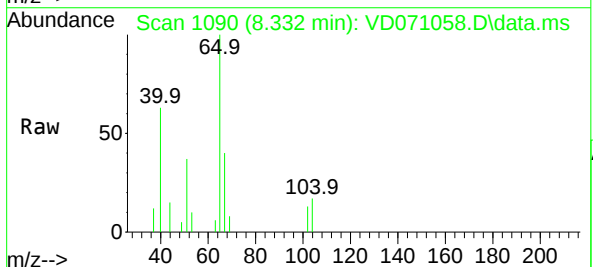
RT: 8.332 min Scan# 1090

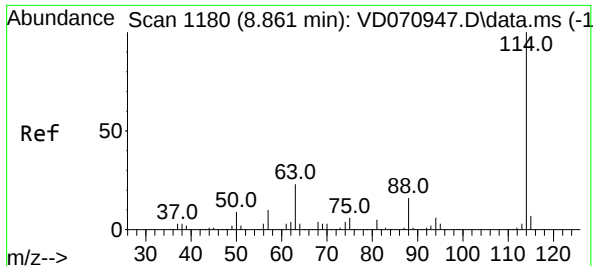
Delta R.T. -0.000 min

Lab File: VD071058.D

Acq: 19 Nov 2021 15:56

Tgt Ion:	65	Resp:	6776
Ion Ratio	100	Lower	Upper
65	100		
67	45.3	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071058.D

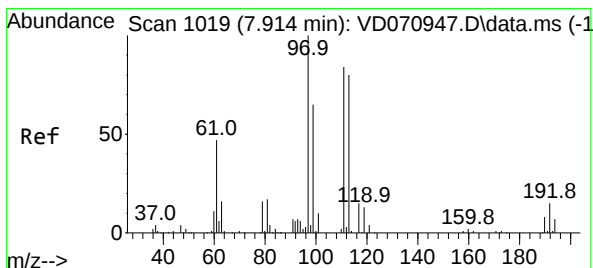
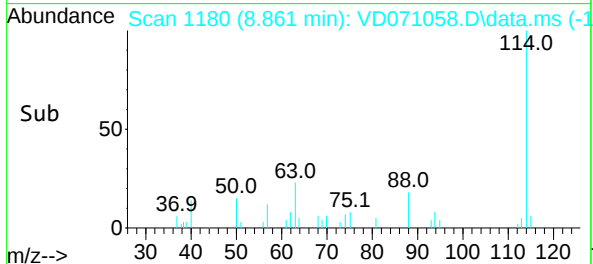
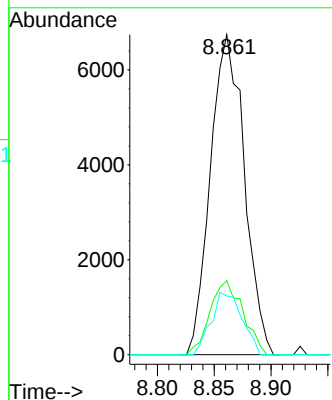
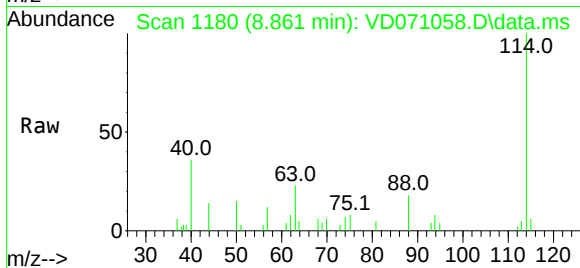
Acq: 19 Nov 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	13987
Ion Ratio	Lower	Upper
114	100	
63	23.1	0.0 41.8
88	18.3	0.0 32.8



#35

Dibromofluoromethane

Concen: 45.473 ug/l

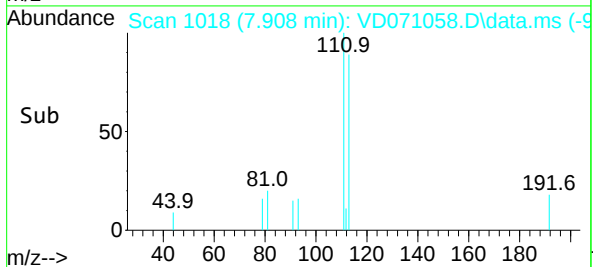
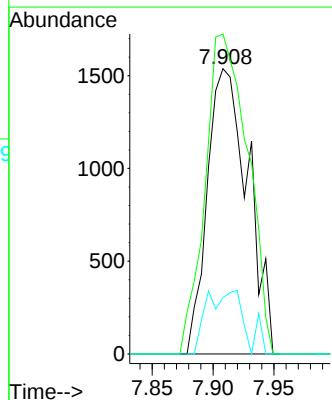
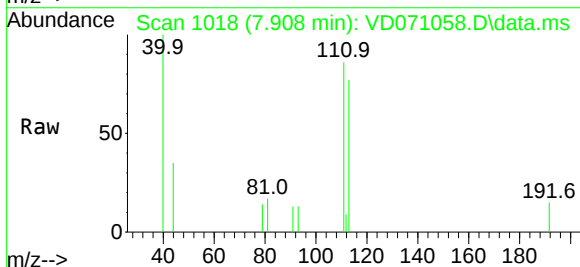
RT: 7.908 min Scan# 1018

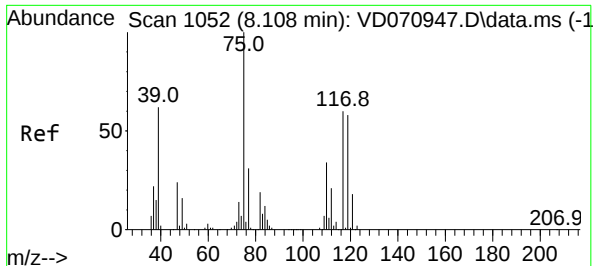
Delta R.T. -0.006 min

Lab File: VD071058.D

Acq: 19 Nov 2021 15:56

Tgt Ion:113	Resp:	3589
Ion Ratio	Lower	Upper
113	100	
111	116.9	82.0 123.0
192	18.6	15.2 22.8





#36

1,1-Dichloropropene

Concen: 1.674 ug/l

RT: 7.990 min Scan# 1052

Delta R.T. -0.118 min

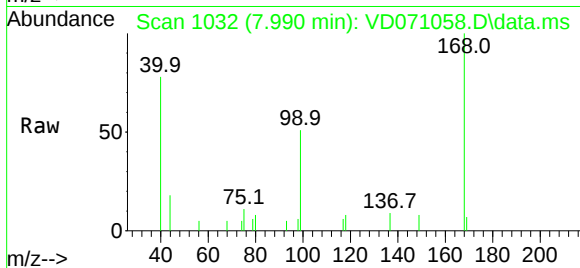
Lab File: VD071058.D

Acq: 19 Nov 2021 15:56

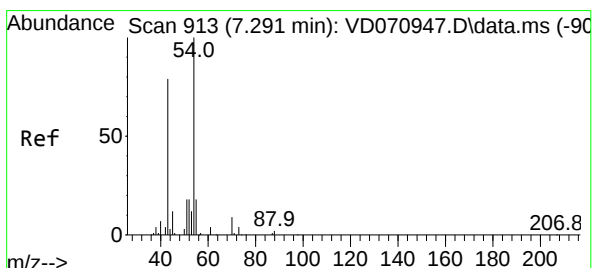
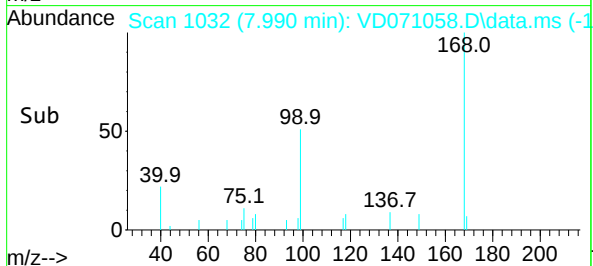
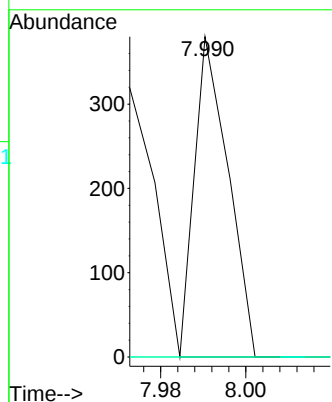
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	209
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 1.053 ug/l

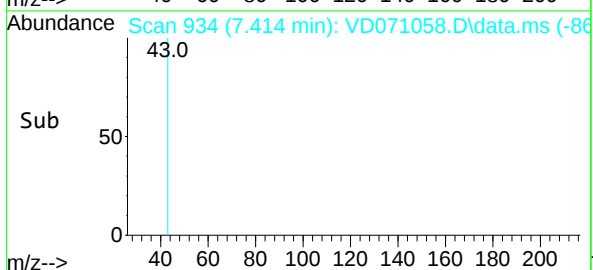
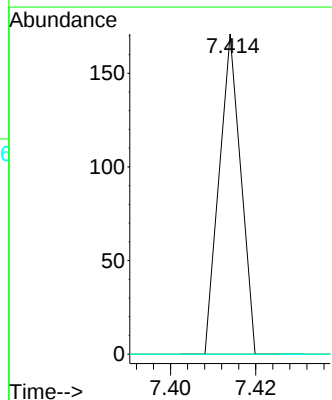
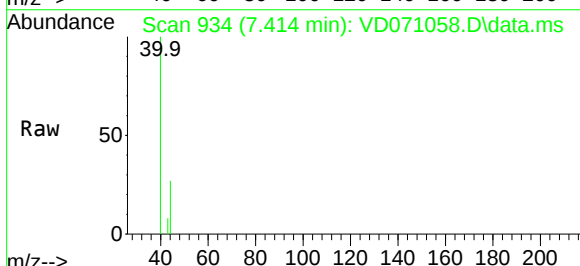
RT: 7.414 min Scan# 934

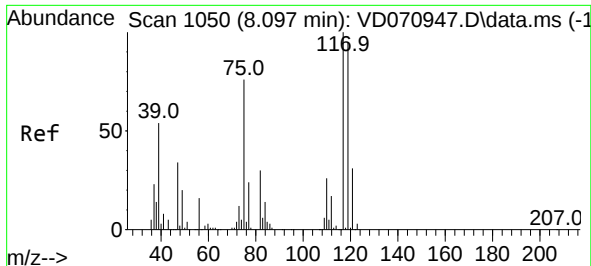
Delta R.T. 0.123 min

Lab File: VD071058.D

Acq: 19 Nov 2021 15:56

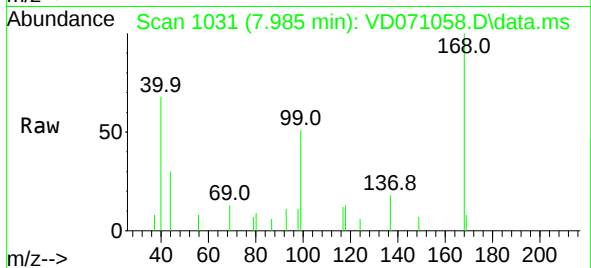
Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



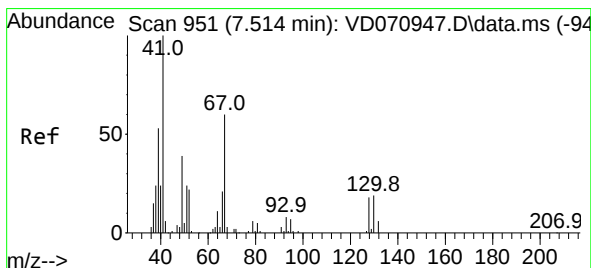
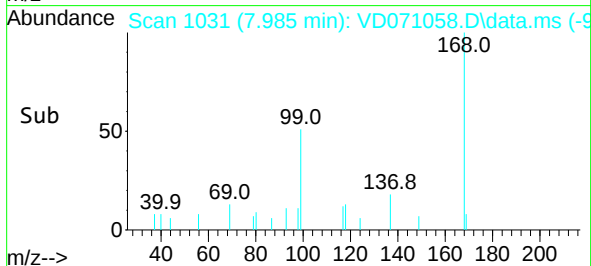
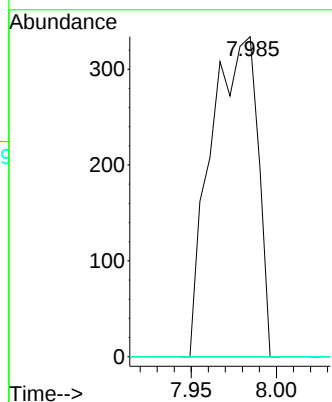


#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 7.985 min Scan# 1050
Delta R.T. -0.112 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

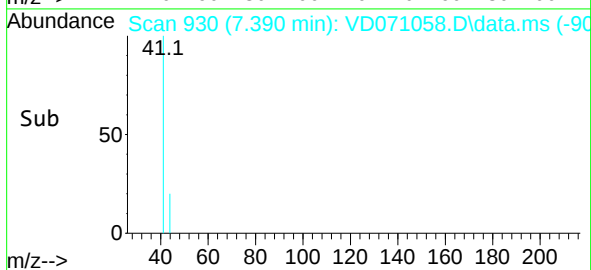
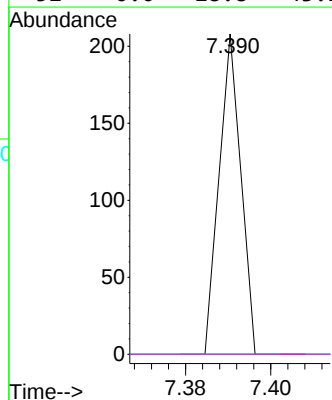
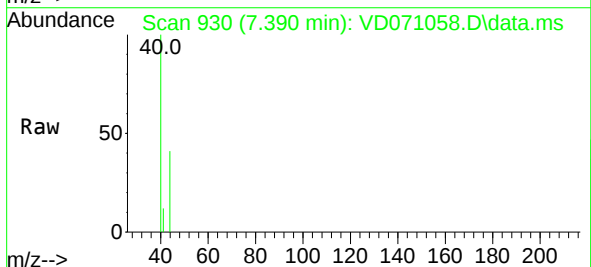


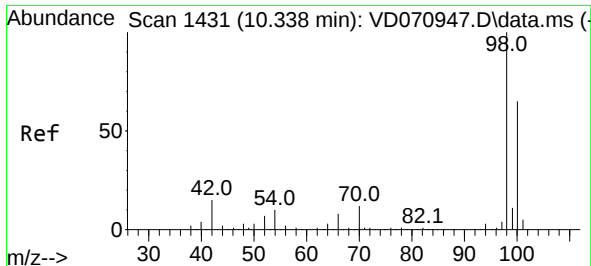
Tgt Ion:117 Resp: 637
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 5.123 ug/l
RT: 7.390 min Scan# 930
Delta R.T. -0.124 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

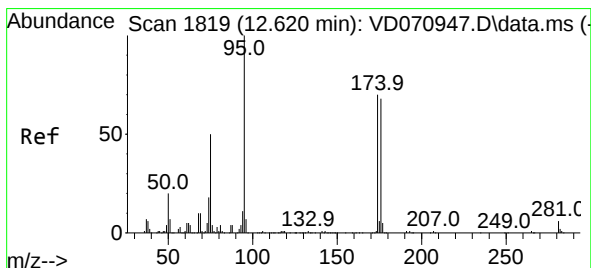
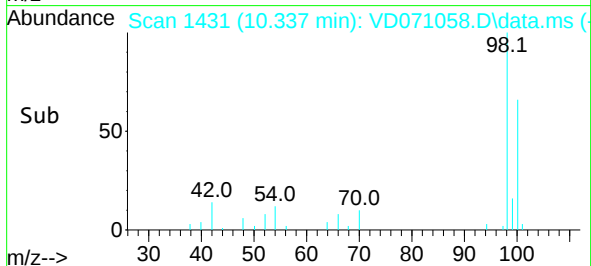
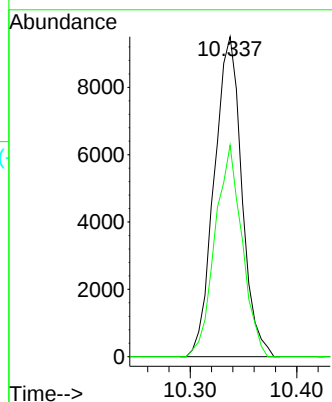
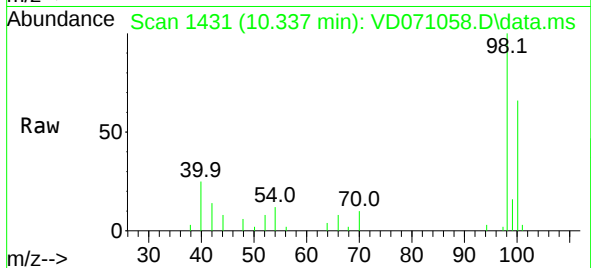




#50
Toluene-d8
Concen: 55.171 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

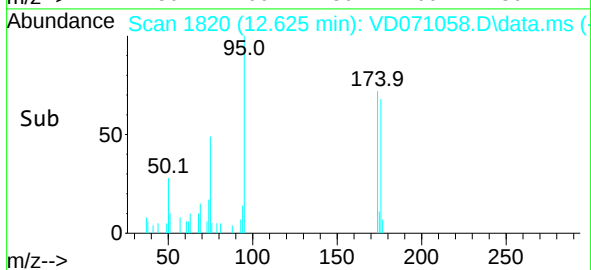
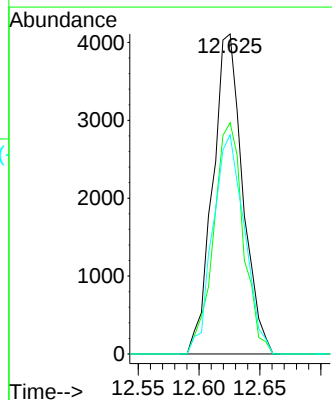
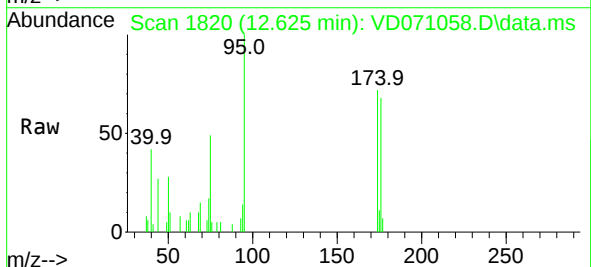
Instrument :
MSVOA_D
ClientSampleId :

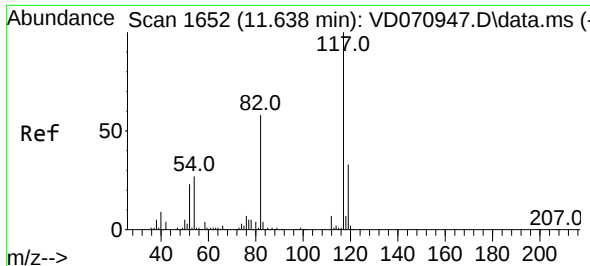
Tgt Ion: 98 Resp: 17053
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 63.149 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.005 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion: 95 Resp: 7028
Ion Ratio Lower Upper
95 100
174 71.4 0.0 159.4
176 72.3 0.0 154.0

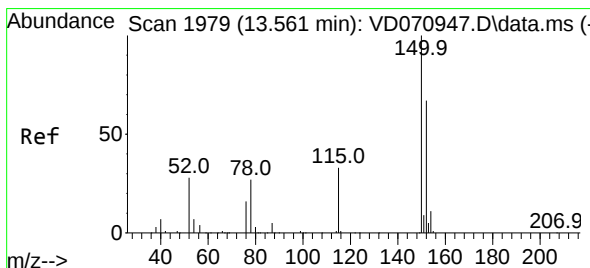
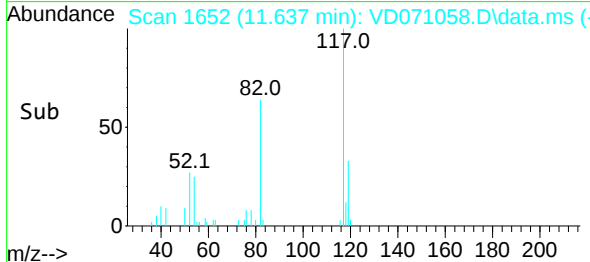
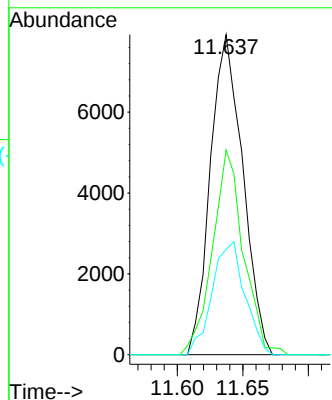
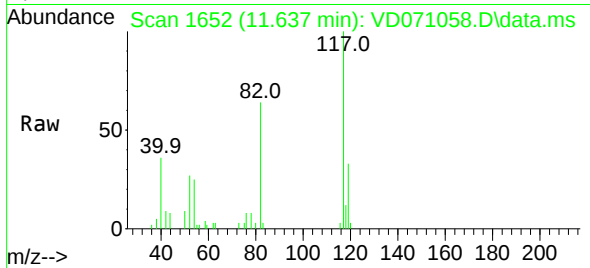




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

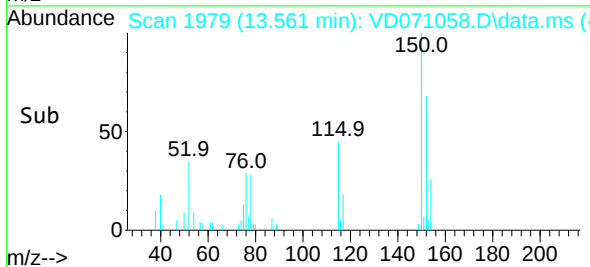
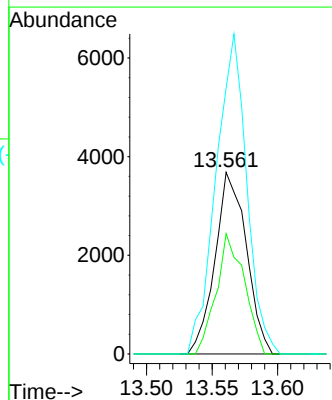
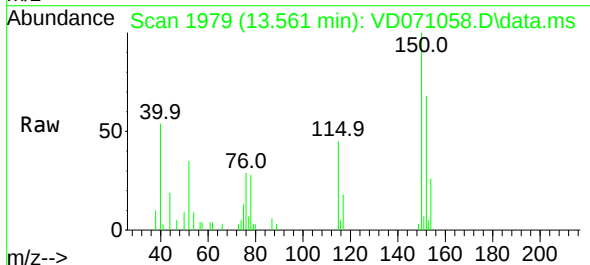
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.0	44.7	67.1
119	32.9	26.2	39.4

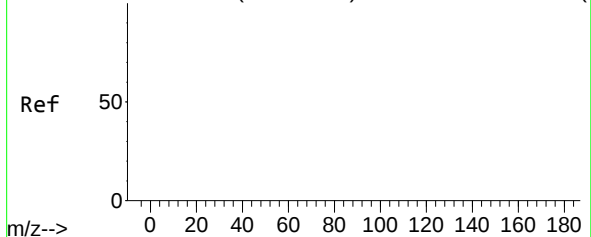


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.8	89.3
150	172.8	0.0	349.2



Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-

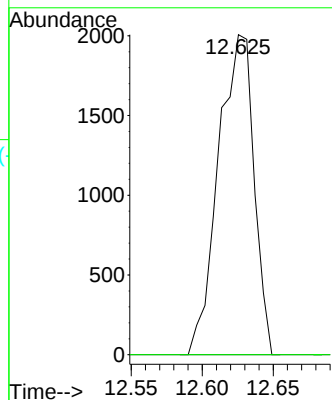
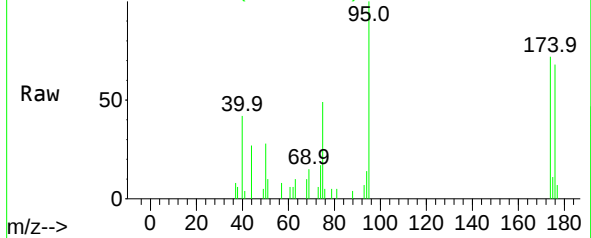


#76
1,2,3-Trichloropropane
Concen: 66.852 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.160 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

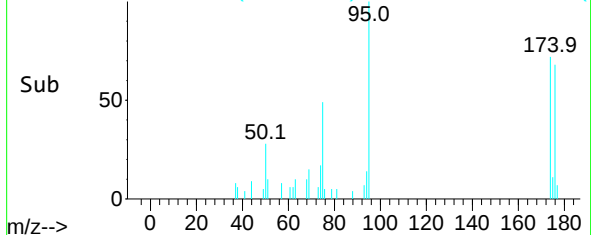
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 3496
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#

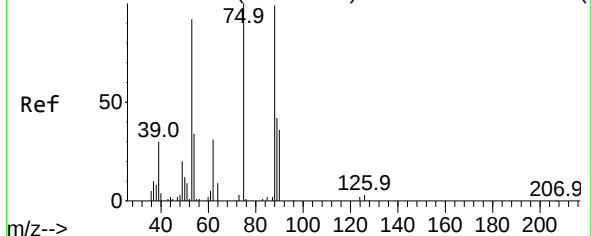
Abundance Scan 1820 (12.625 min): VD071058.D\data.ms (-



Abundance Scan 1820 (12.625 min): VD071058.D\data.ms (-



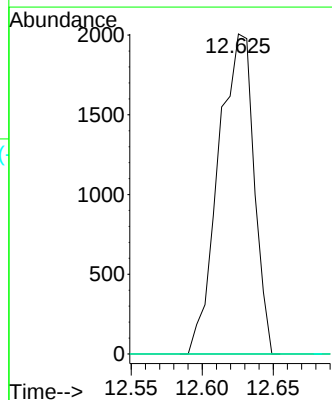
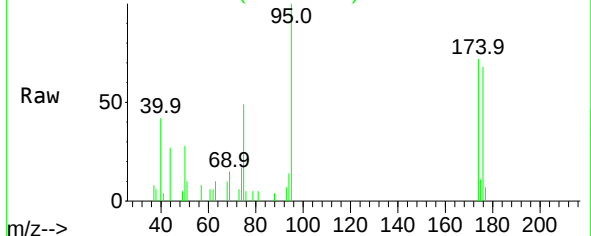
Abundance Scan 1801 (12.514 min): VD070947.D\data.ms (-



#81
trans-1,4-Dichloro-2-butene
Concen: 123.493 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.111 min
Lab File: VD071058.D
Acq: 19 Nov 2021 15:56

Tgt Ion: 75 Resp: 3496
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

Abundance Scan 1820 (12.625 min): VD071058.D\data.ms (-



Abundance Scan 1820 (12.625 min): VD071058.D\data.ms (-

