

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071054.D
 Acq On : 19 Nov 2021 14:04
 Operator : VA/SY
 Sample : M4758-21
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:52:50 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)

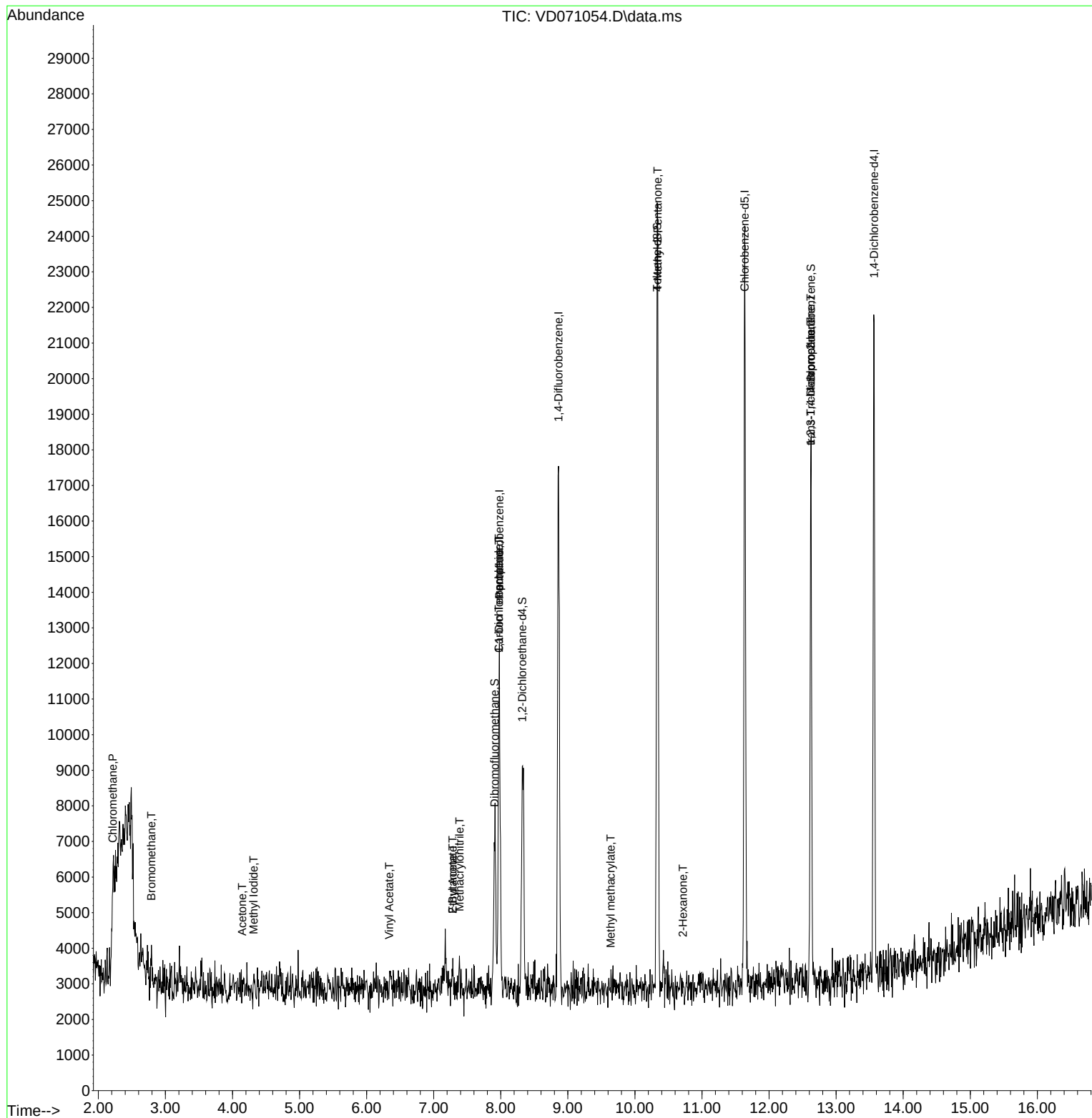
Internal Standards						
1) Pentafluorobenzene	7.979	168	6669	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	12502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	5917	83.332	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 166.660%#	
35) Dibromofluoromethane	7.908	113	3010	42.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.340%	
50) Toluene-d8	10.332	98	14563	52.712	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.420%	
62) 4-Bromofluorobenzene	12.626	95	4784	48.092	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.180%	
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	388	5.723	ug/l	# 42
5) Bromomethane	2.791	94	497	11.182	ug/l	83
10) Methyl Iodide	4.314	142	531	12.060	ug/l	# 40
16) Acetone	4.144	43	121	25.607	ug/l	# 40
23) Vinyl Acetate	6.338	43	58	21.362	ug/l	# 72
25) 2-Butanone	7.285	43	63	22.703	ug/l	# 45
36) 1,1-Dichloropropene	7.973	75	660	5.913	ug/l	# 41
37) Ethyl Acetate	7.285	43	63	1.237	ug/l	# 66
38) Carbon Tetrachloride	7.973	117	888	8.639	ug/l	# 12
41) Methacrylonitrile	7.385	41	55	4.869	ug/l	# 1
48) Methyl methacrylate	9.638	41	57	1.078	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.338	43	140	2.679	ug/l	99
59) 2-Hexanone	10.714	43	67	17.470	ug/l	# 22
76) 1,2,3-Trichloropropane	12.620	75	2546	63.014	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	2546	116.595	ug/l	# 18

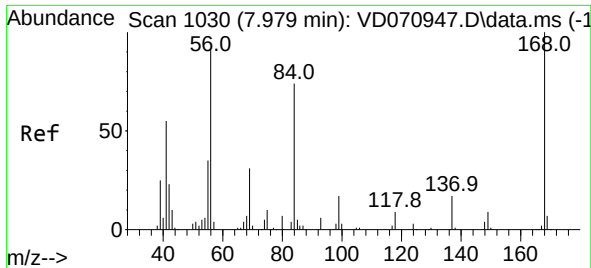
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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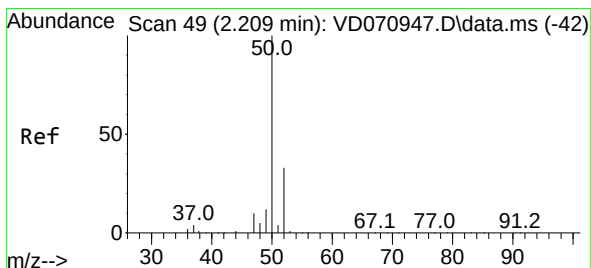
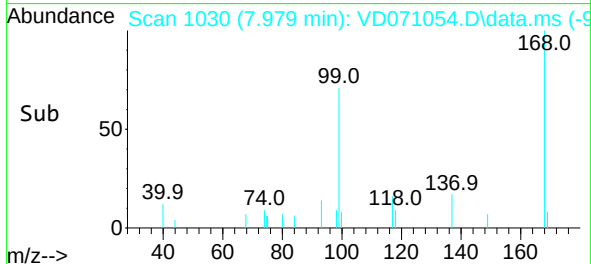
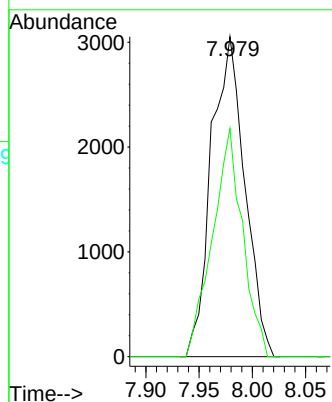
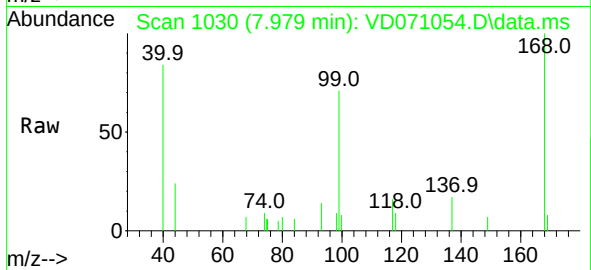




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

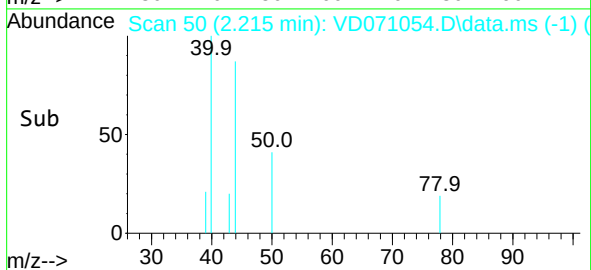
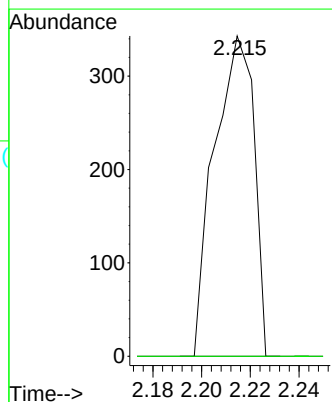
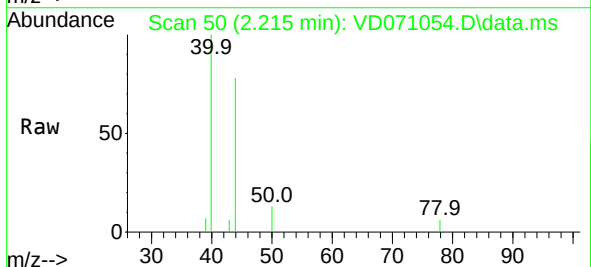
Instrument :
MSVOA_D
ClientSampleId :

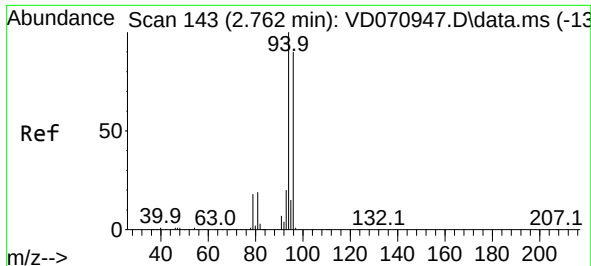
Tgt Ion:168 Resp: 6669
Ion Ratio Lower Upper
168 100
99 71.3 46.6 69.8#



#3
Chloromethane
Concen: 5.723 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

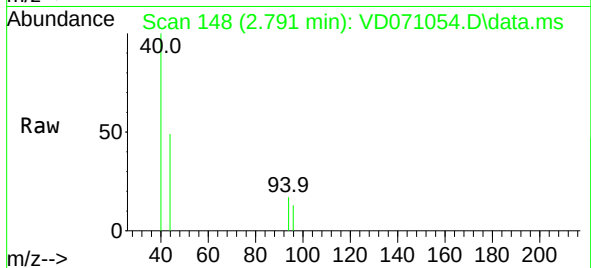
Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



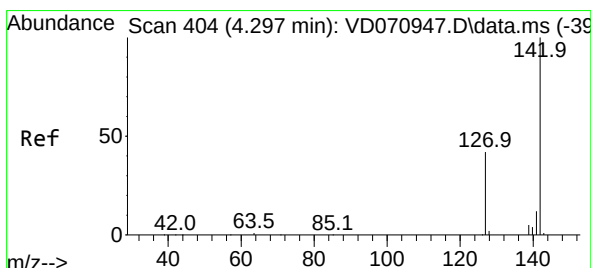
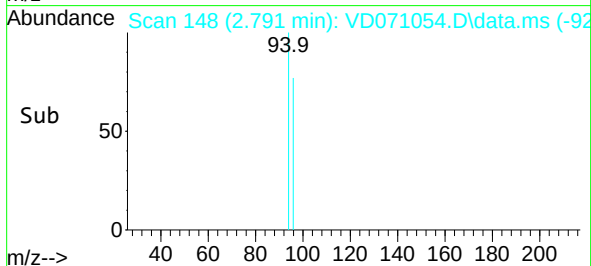
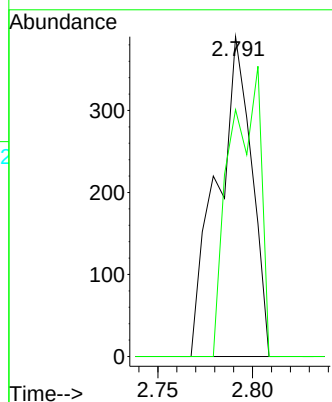


#5
Bromomethane
Concen: 11.182 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.029 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Instrument :
MSVOA_D
ClientSampleId :

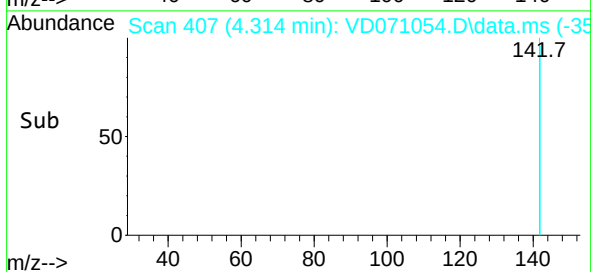
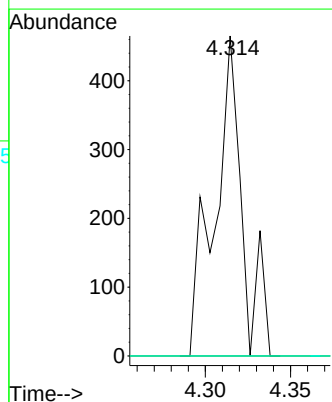
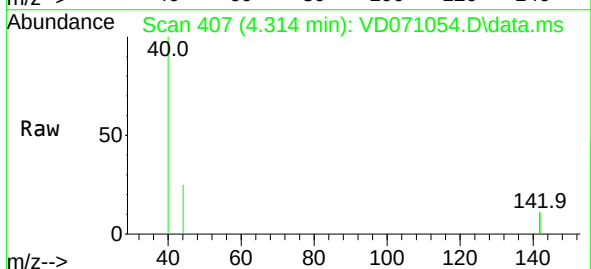


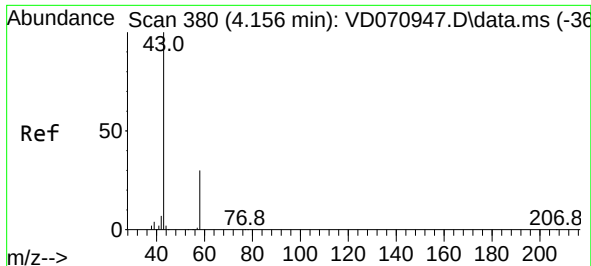
Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 77.2 74.8 112.2



#10
Methyl Iodide
Concen: 12.060 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Tgt Ion: 142 Resp: 531
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

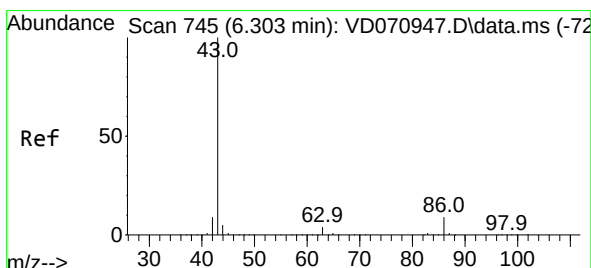
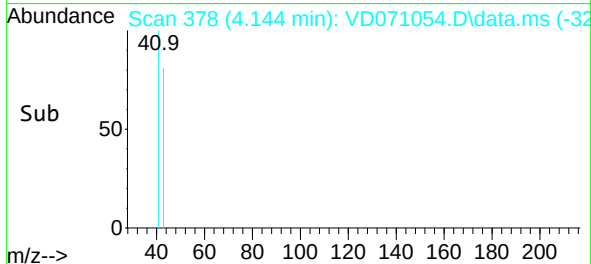
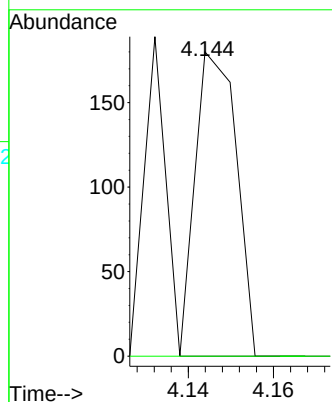
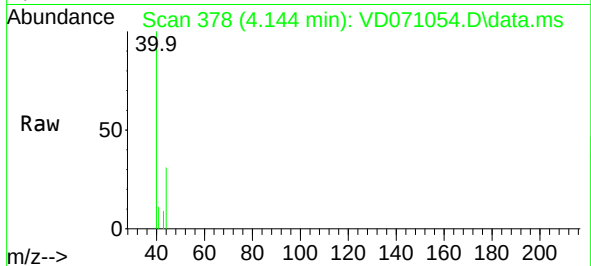




#16
Acetone
Concen: 25.607 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

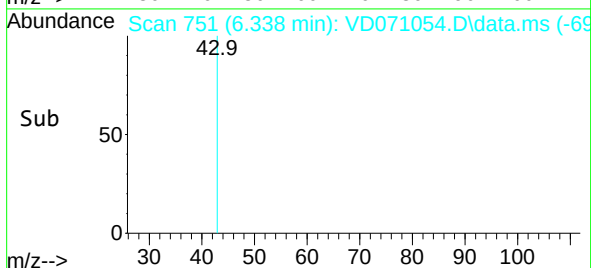
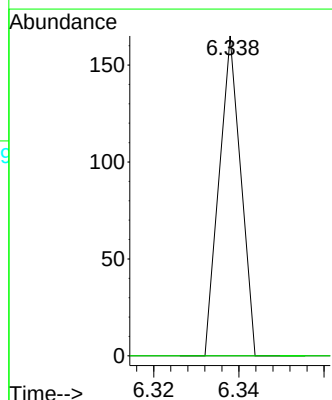
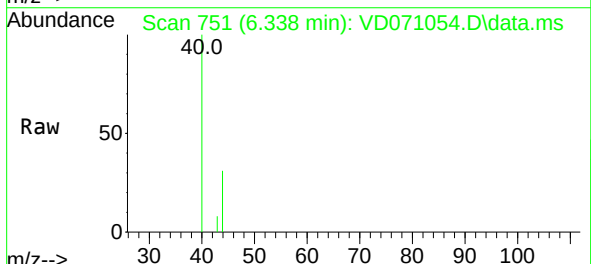
Instrument :
MSVOA_D
ClientSampleId :

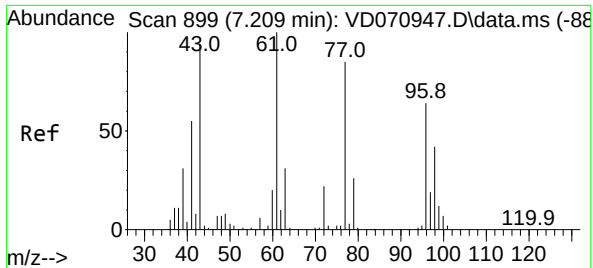
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 21.362 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.035 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

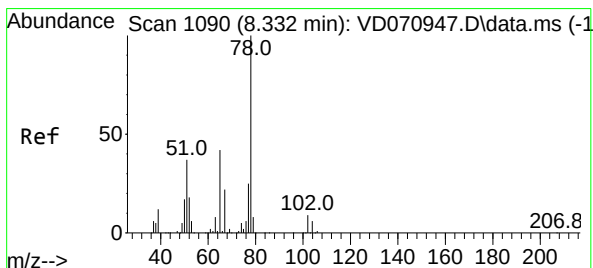
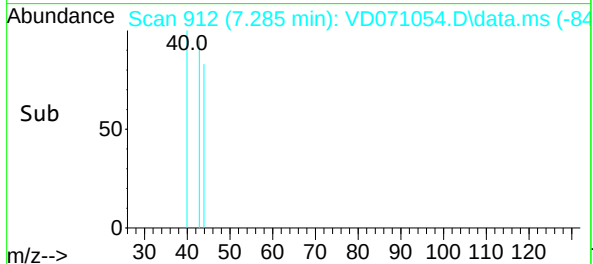
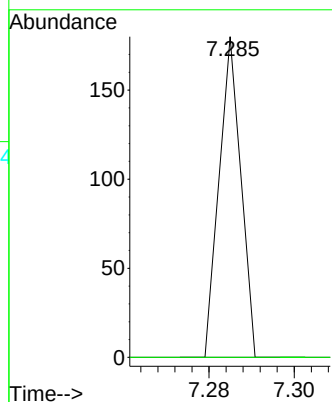
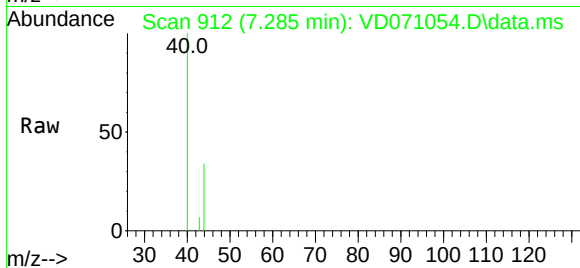




#25
2-Butanone
Concen: 22.703 ug/l
RT: 7.285 min Scan# 91
Delta R.T. 0.076 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

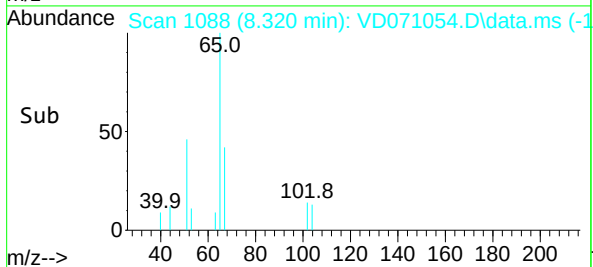
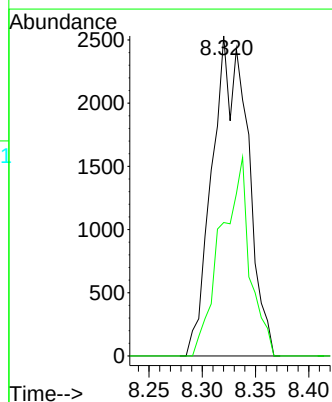
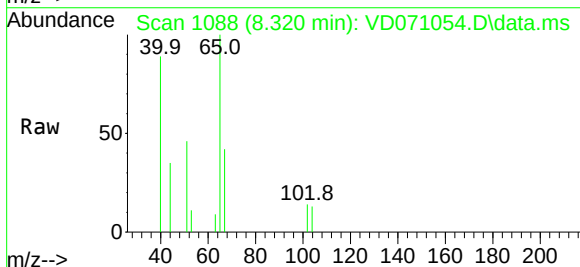
Instrument :
MSVOA_D
ClientSampleId :

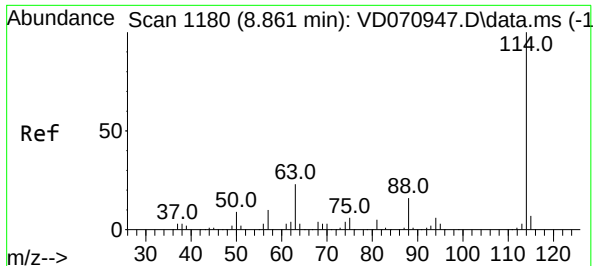
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 83.332 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.012 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Tgt Ion: 65 Resp: 5917
Ion Ratio Lower Upper
65 100
67 50.5 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: VD071054.D

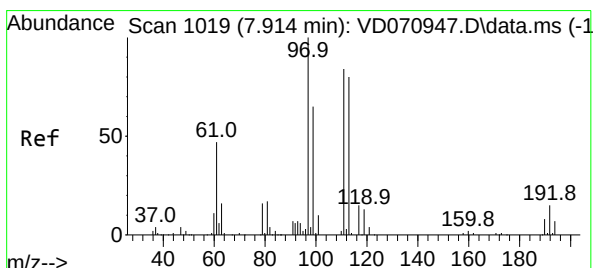
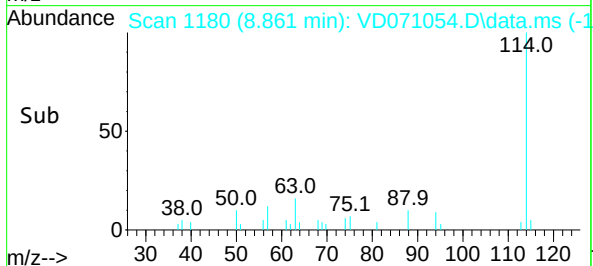
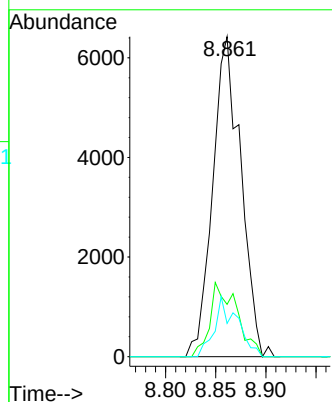
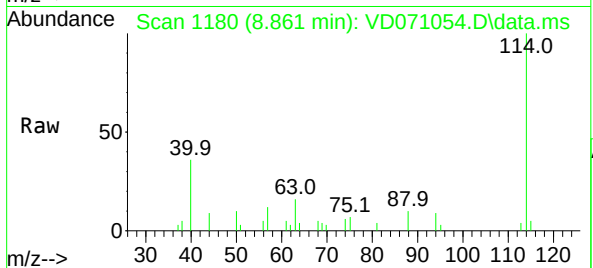
Acq: 19 Nov 2021 14:04

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	12502
Ion Ratio	Lower	Upper
114	100	
63	16.3	0.0 41.8
88	10.4	0.0 32.8



#35

Dibromofluoromethane

Concen: 42.667 ug/l

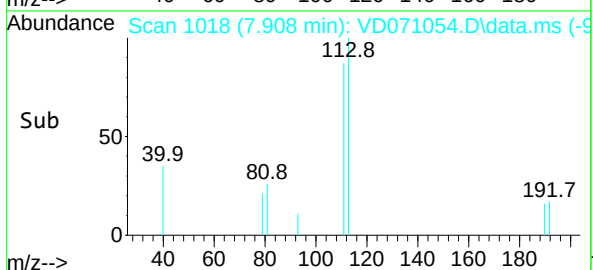
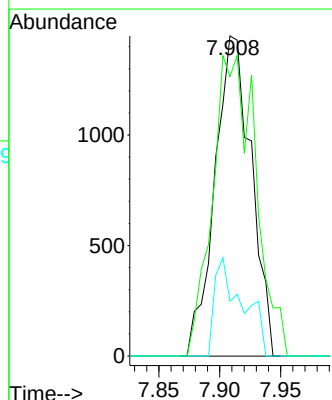
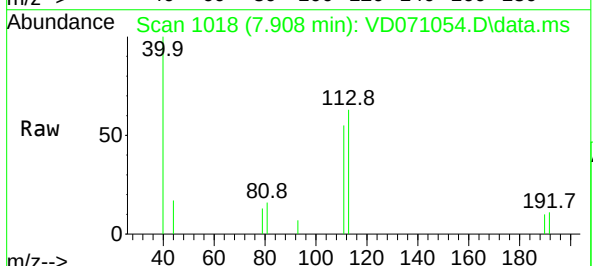
RT: 7.908 min Scan# 1018

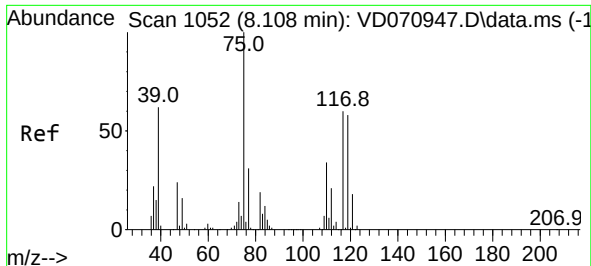
Delta R.T. -0.006 min

Lab File: VD071054.D

Acq: 19 Nov 2021 14:04

Tgt Ion:113	Resp:	3010
Ion Ratio	Lower	Upper
113	100	
111	111.4	82.0 123.0
192	23.5	15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.913 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

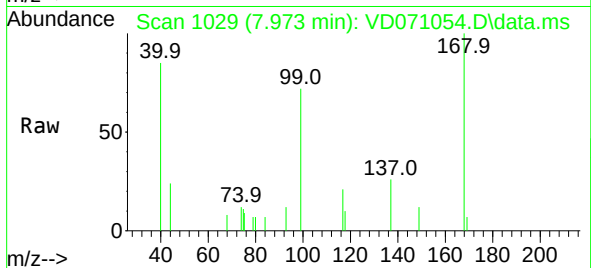
Lab File: VD071054.D

Acq: 19 Nov 2021 14:04

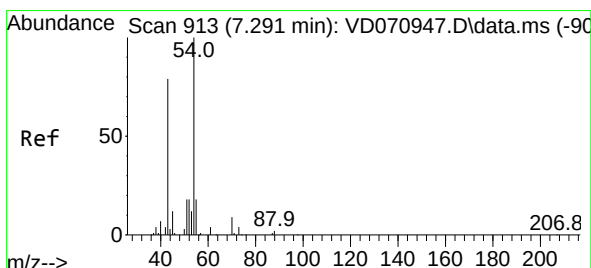
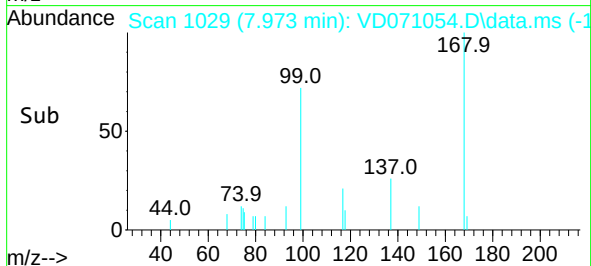
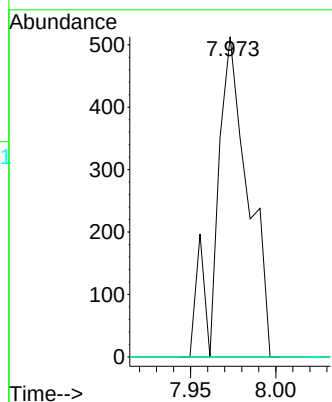
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	660
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 1.237 ug/l

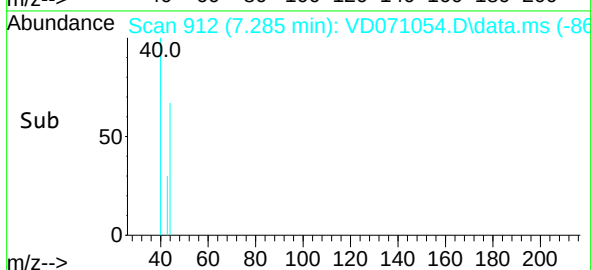
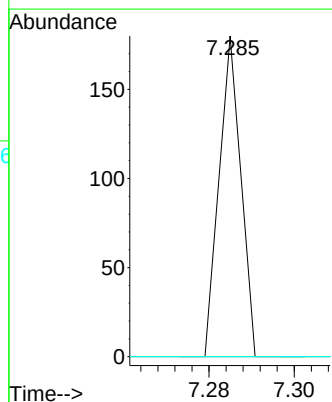
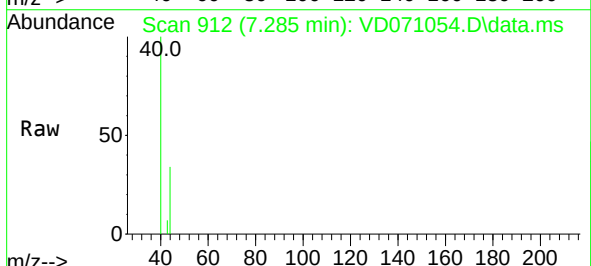
RT: 7.285 min Scan# 912

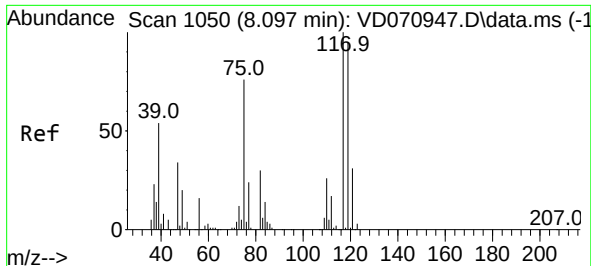
Delta R.T. -0.006 min

Lab File: VD071054.D

Acq: 19 Nov 2021 14:04

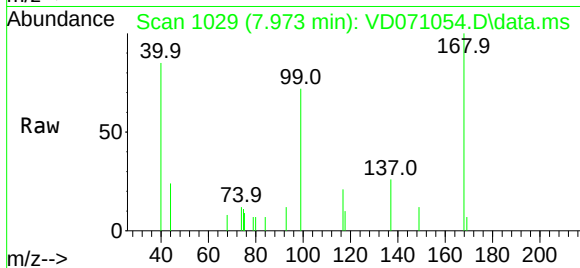
Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



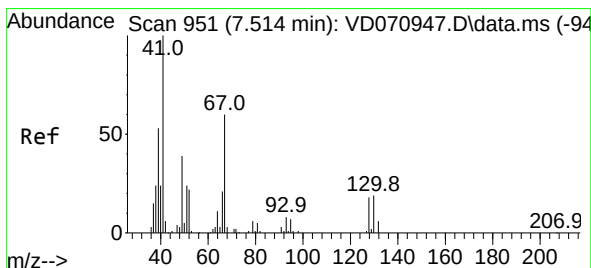
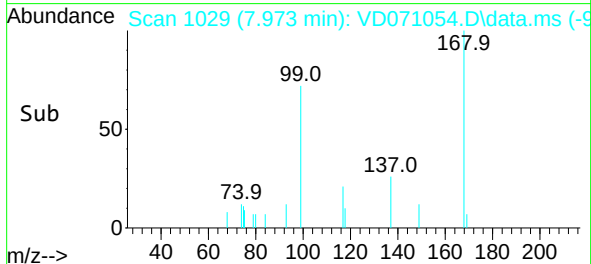
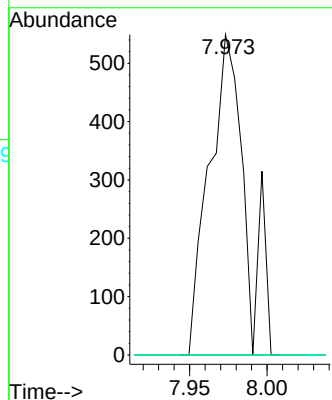


#38
Carbon Tetrachloride
Concen: 8.639 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Instrument :
MSVOA_D
ClientSampleId :

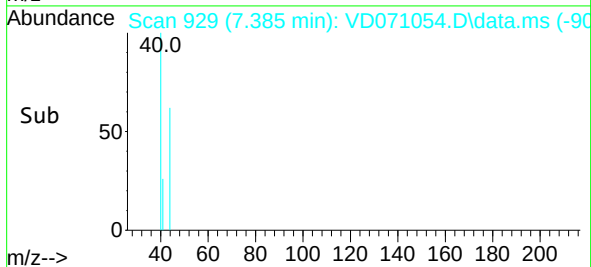
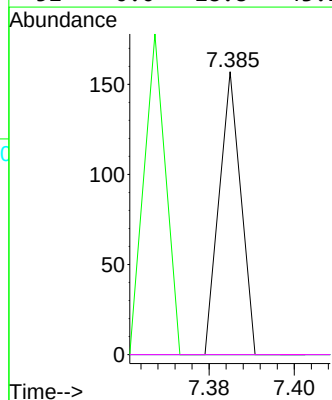
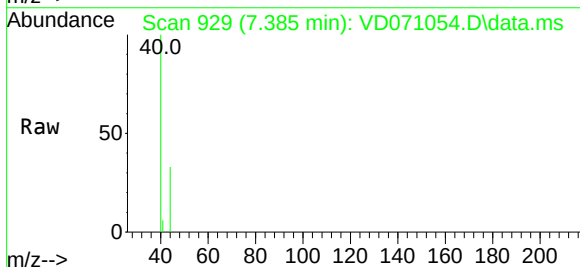


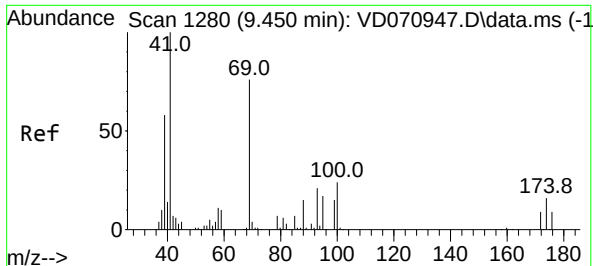
Tgt Ion:117 Resp: 888
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 4.869 ug/l
RT: 7.385 min Scan# 929
Delta R.T. -0.129 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
39 216.4 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#48

Methyl methacrylate

Concen: 1.078 ug/l

RT: 9.638 min Scan# 11

Delta R.T. 0.188 min

Lab File: VD071054.D

Acq: 19 Nov 2021 14:04

Instrument :

MSVOA_D

ClientSampleId :

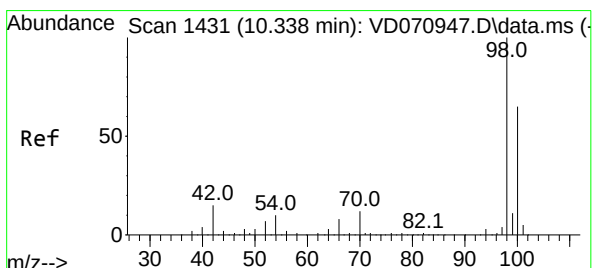
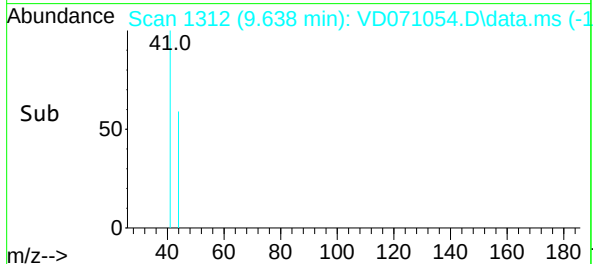
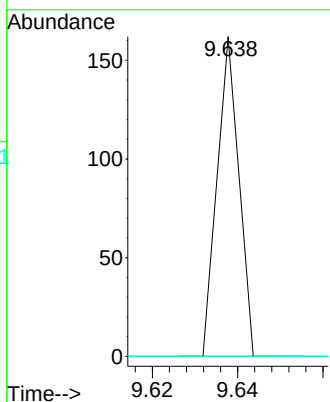
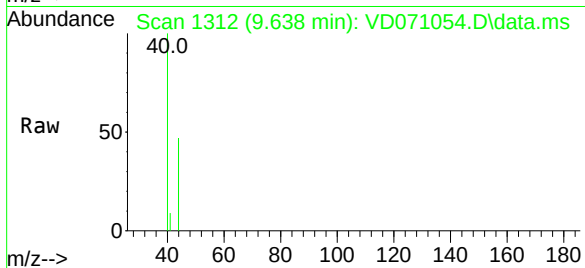
Tgt Ion: 41 Resp: 57

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 0.0 35.6 53.4#



#50

Toluene-d8

Concen: 52.712 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071054.D

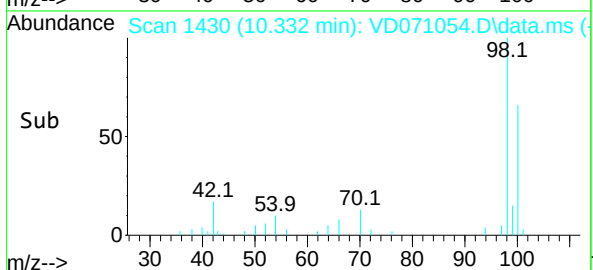
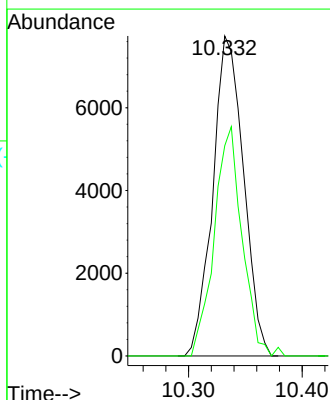
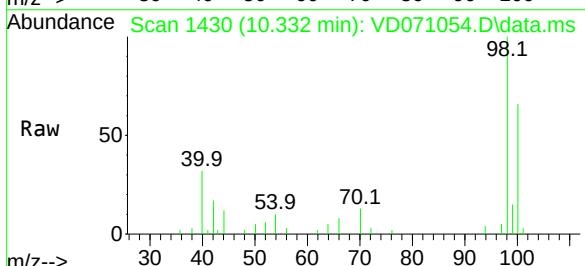
Acq: 19 Nov 2021 14:04

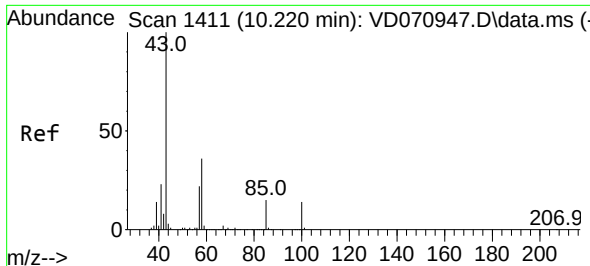
Tgt Ion: 98 Resp: 14563

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.6

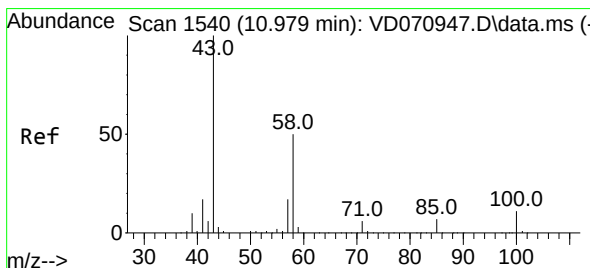
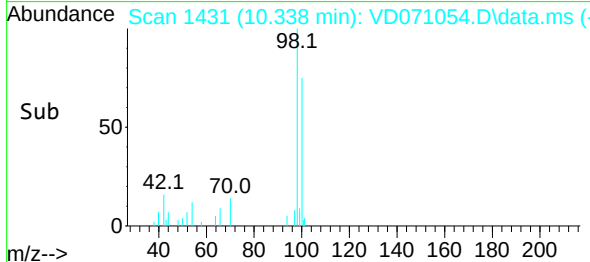
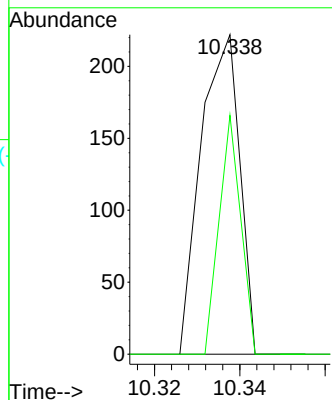
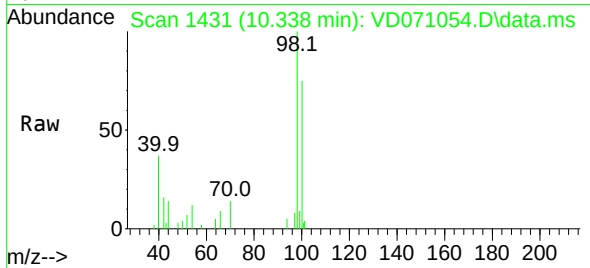




#51
4-Methyl-2-Pentanone
Concen: 2.679 ug/l
RT: 10.338 min Scan# 1411
Delta R.T. 0.118 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

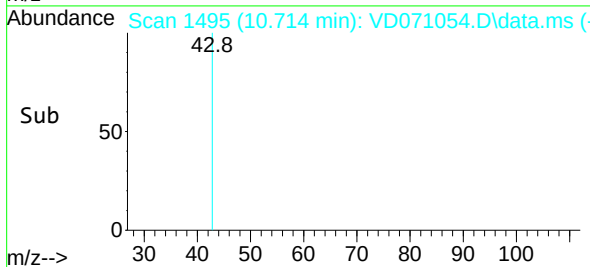
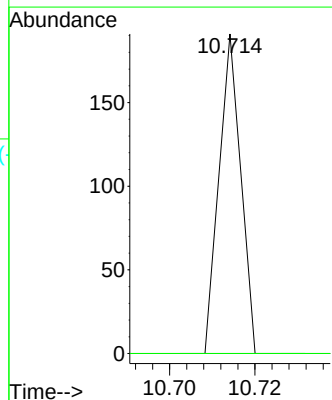
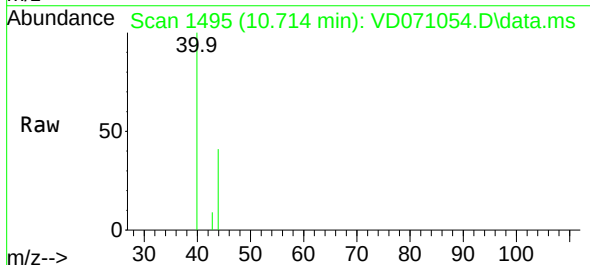
Instrument :
MSVOA_D
ClientSampleId :

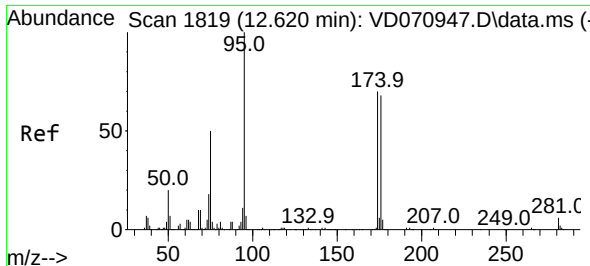
Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
58 42.1 33.1 49.7



#59
2-Hexanone
Concen: 17.470 ug/l
RT: 10.714 min Scan# 1495
Delta R.T. -0.265 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

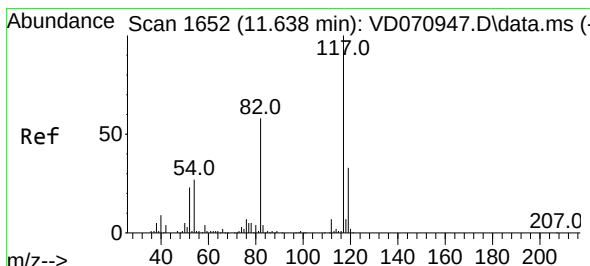
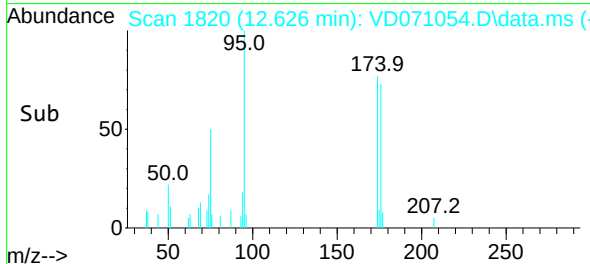
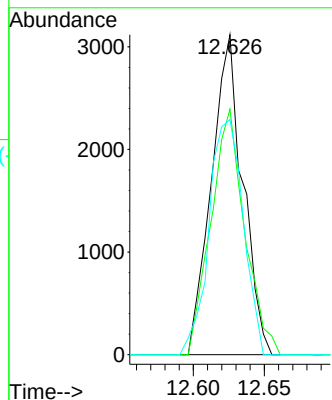
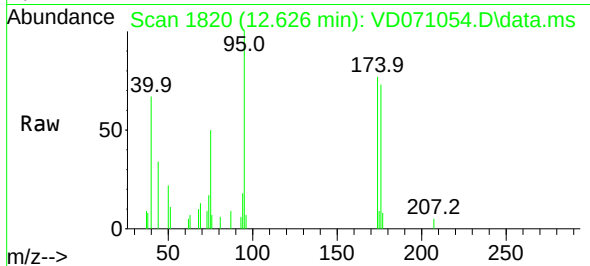




#62
4-Bromofluorobenzene
Concen: 48.092 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

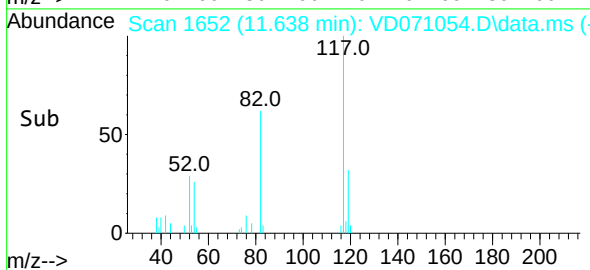
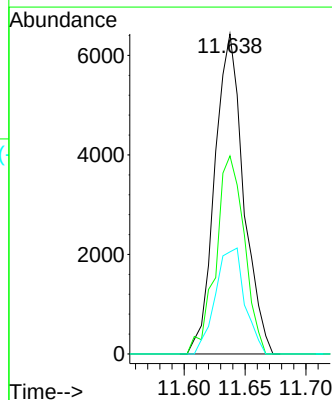
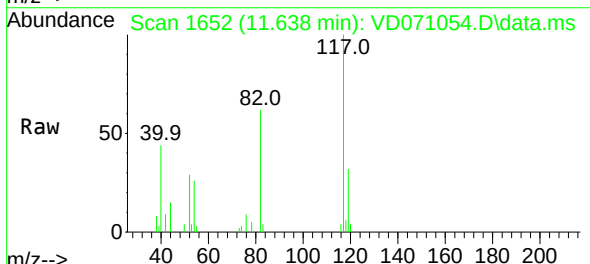
Instrument :
MSVOA_D
ClientSampleId :

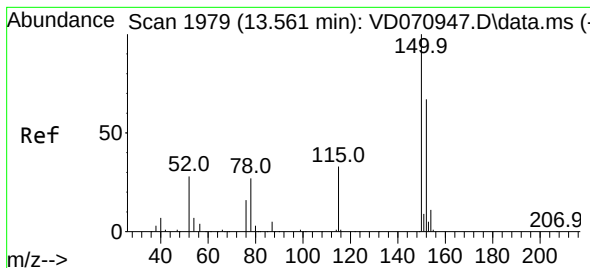
Tgt Ion: 95 Resp: 4784
Ion Ratio Lower Upper
95 100
174 82.5 0.0 159.4
176 80.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Tgt Ion: 117 Resp: 10606
Ion Ratio Lower Upper
117 100
82 61.9 44.7 67.1
119 31.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1819

Delta R.T. 0.006 min

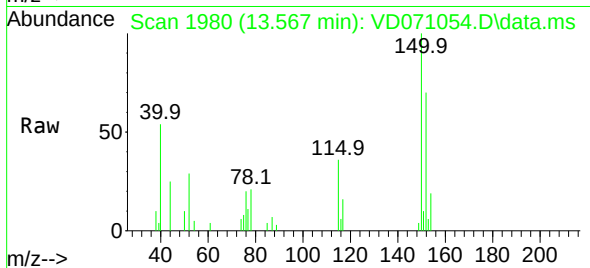
Lab File: VD071054.D

Acq: 19 Nov 2021 14:04

Instrument :

MSVOA_D

ClientSampleId :



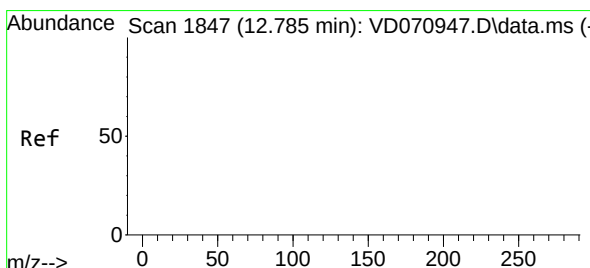
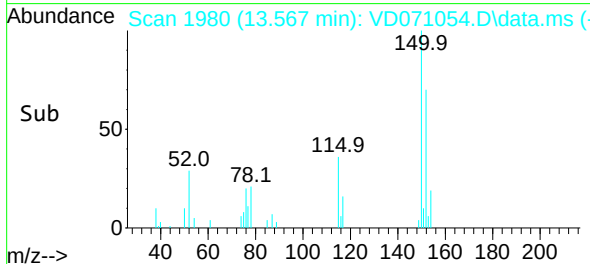
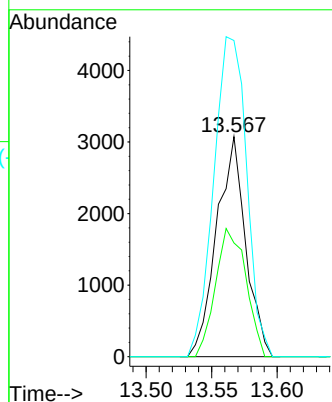
Tgt Ion:152 Resp: 4730

Ion Ratio Lower Upper

152 100

115 60.9 29.8 89.3

150 164.7 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 63.014 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.165 min

Lab File: VD071054.D

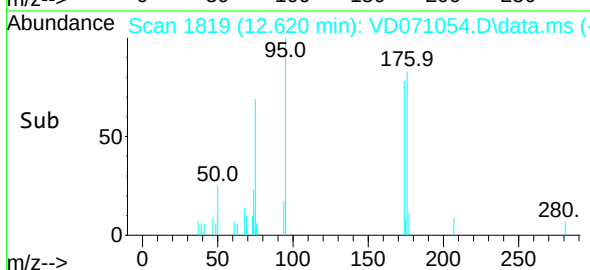
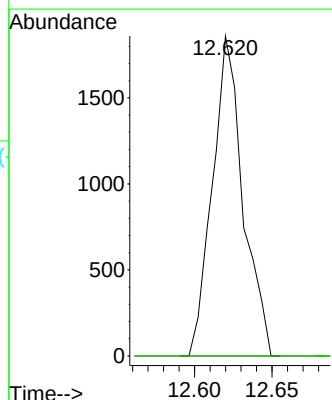
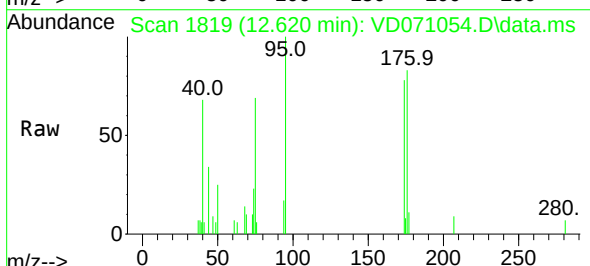
Acq: 19 Nov 2021 14:04

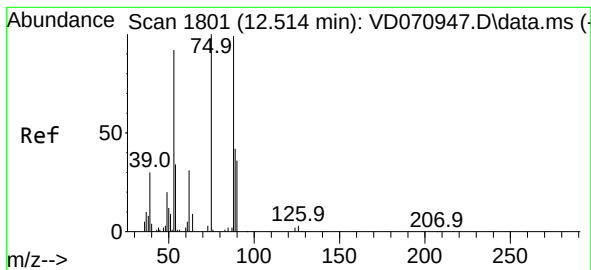
Tgt Ion: 75 Resp: 2546

Ion Ratio Lower Upper

75 100

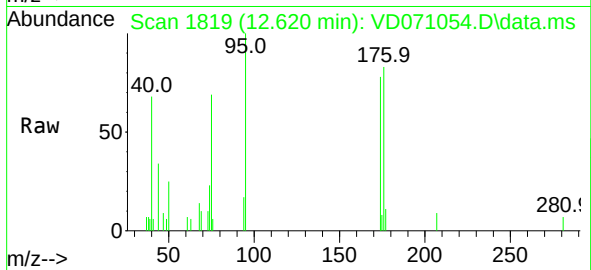
77 0.0 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 116.595 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071054.D
Acq: 19 Nov 2021 14:04

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 2546
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

