

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071053.D
 Acq On : 19 Nov 2021 13:36
 Operator : VA/SY
 Sample : M4758-09
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:52:42 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)

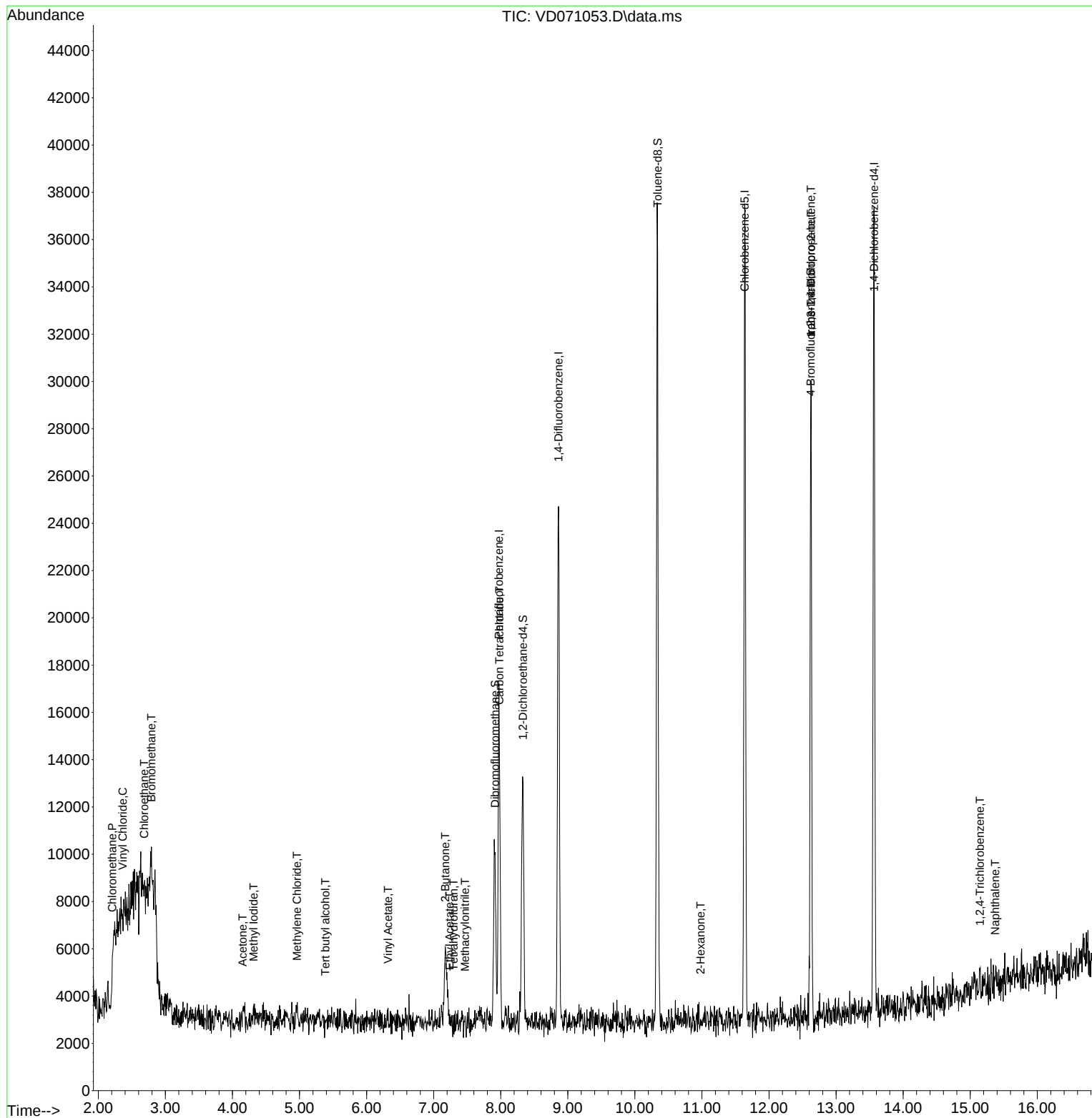
Internal Standards						
1) Pentafluorobenzene	7.973	168	9523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	17235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	8683	85.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 171.280%#			
35) Dibromofluoromethane	7.914	113	5450	56.039	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.080%			
50) Toluene-d8	10.338	98	21733	57.062	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.120%			
62) 4-Bromofluorobenzene	12.620	95	8450	61.618	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.240%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	636	6.569	ug/l #	42
4) Vinyl Chloride	2.362	62	111	1.192	ug/l #	42
5) Bromomethane	2.791	94	1333	21.004	ug/l #	77
6) Chloroethane	2.685	64	67	1.120	ug/l #	39
10) Methyl Iodide	4.315	142	719	11.748	ug/l #	40
11) Tert butyl alcohol	5.385	59	56	7.557	ug/l #	71
16) Acetone	4.150	43	723	44.110	ug/l #	40
20) Methylene Chloride	4.962	84	338	2.529	ug/l #	19
23) Vinyl Acetate	6.320	43	55	21.235	ug/l #	72
25) 2-Butanone	7.173	43	120	23.482	ug/l #	45
29) Tetrahydrofuran	7.297	42	67	3.252	ug/l #	34
37) Ethyl Acetate	7.238	43	114	1.624	ug/l #	66
38) Carbon Tetrachloride	7.979	117	869	6.132	ug/l #	12
41) Methacrylonitrile	7.467	41	74	4.836	ug/l #	12
59) 2-Hexanone	10.979	43	92	17.464	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	4913	66.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	4913	122.653	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.143	180	342	2.366	ug/l #	48
95) Naphthalene	15.373	128	647	2.344	ug/l #	69

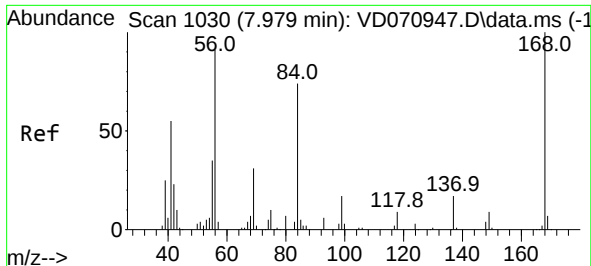
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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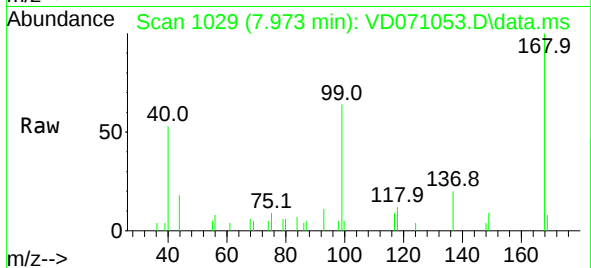
Quant Time: Nov 22 02:52:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
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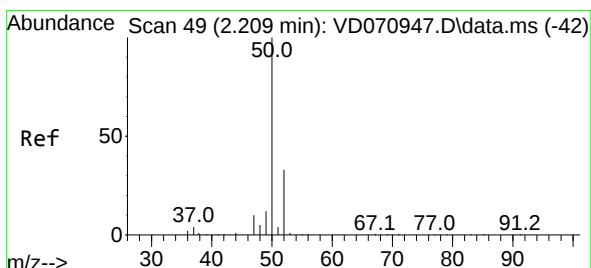
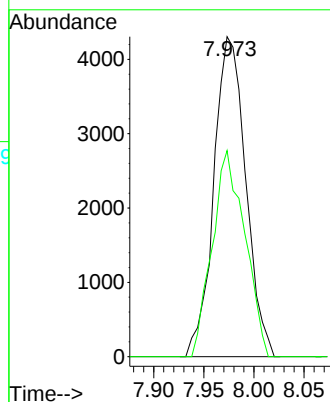
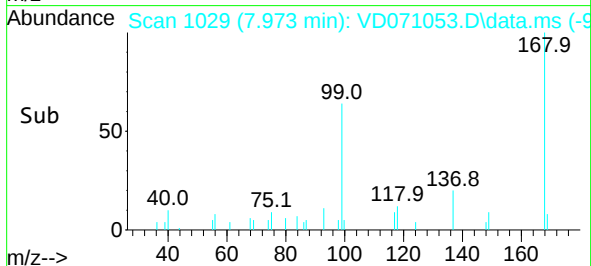


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :

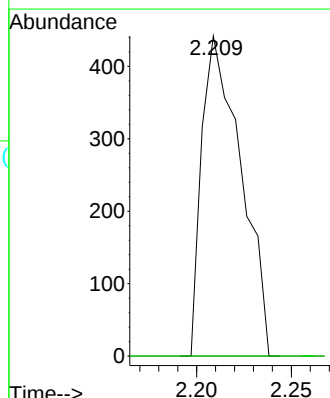
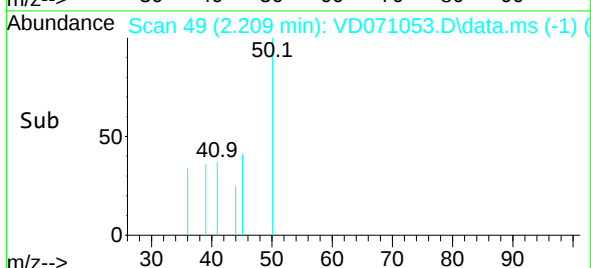
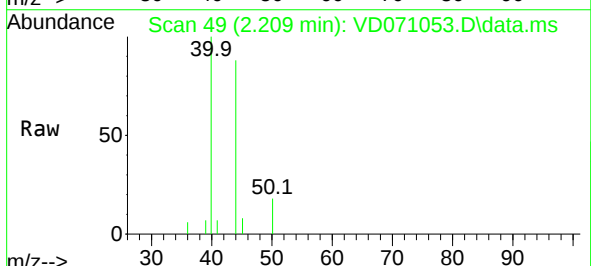


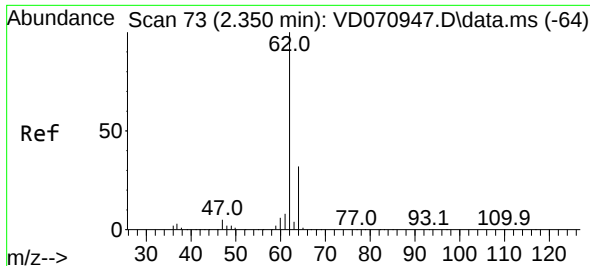
Tgt Ion:168 Resp: 9523
Ion Ratio Lower Upper
168 100
99 64.4 46.6 69.8



#3
Chloromethane
Concen: 6.569 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Tgt Ion: 50 Resp: 636
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





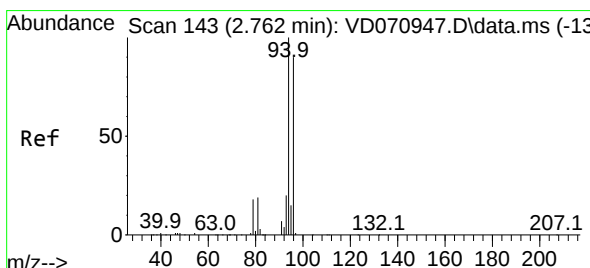
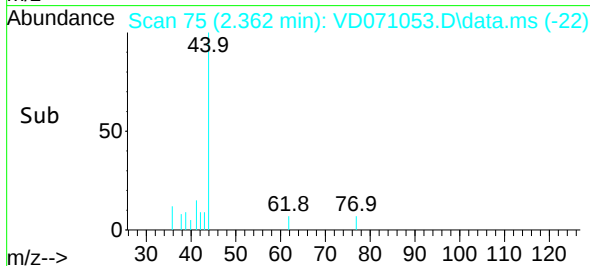
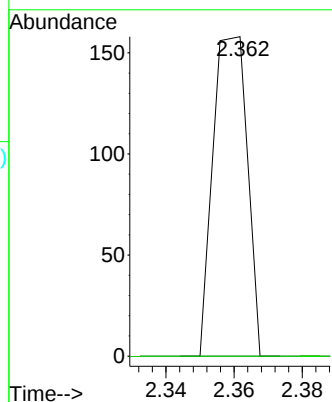
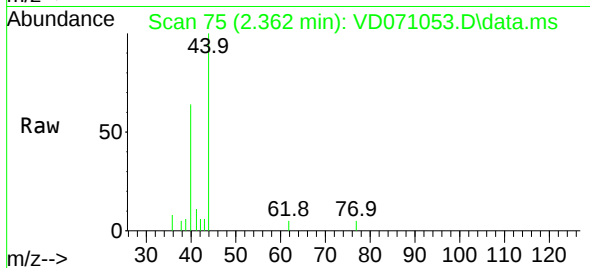
#4
 Vinyl Chloride
 Concen: 1.192 ug/l
 RT: 2.362 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VD071053.D
 Acq: 19 Nov 2021 13:36

Instrument :

MSVOA_D

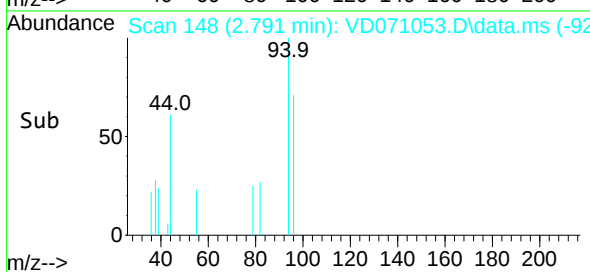
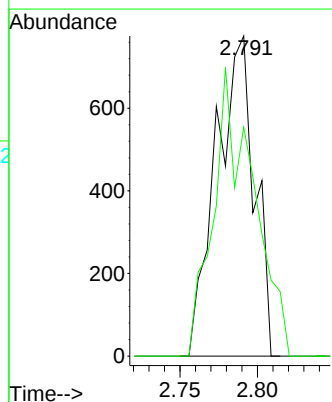
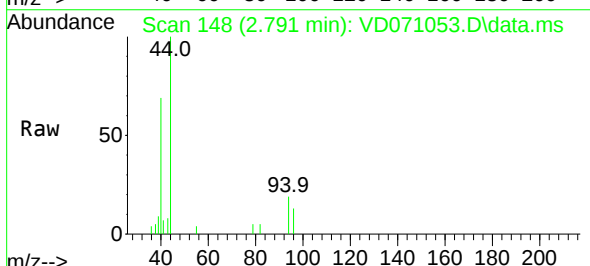
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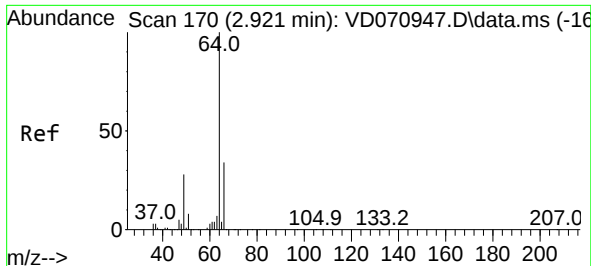
Tgt Ion: 62 Resp: 111
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.0 39.0#



#5
 Bromomethane
 Concen: 21.004 ug/l
 RT: 2.791 min Scan# 148
 Delta R.T. 0.029 min
 Lab File: VD071053.D
 Acq: 19 Nov 2021 13:36

Tgt Ion: 94 Resp: 1333
 Ion Ratio Lower Upper
 94 100
 96 71.5 74.8 112.2#

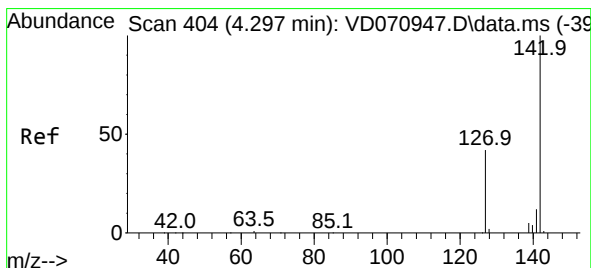
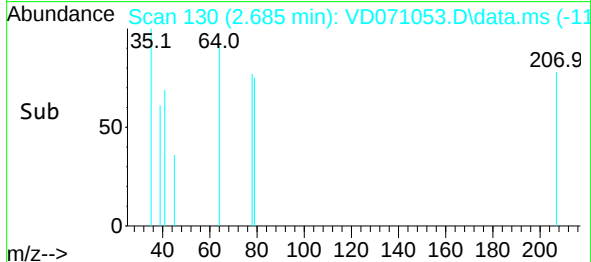
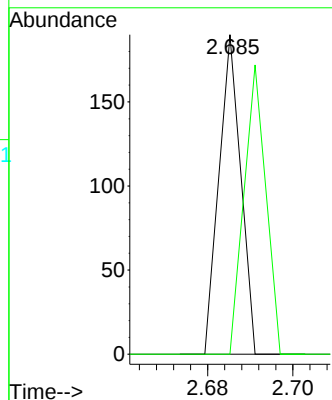
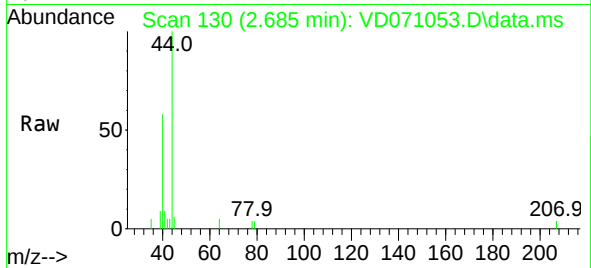




#6
Chloroethane
Concen: 1.120 ug/l
RT: 2.685 min Scan# 11
Delta R.T. -0.236 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

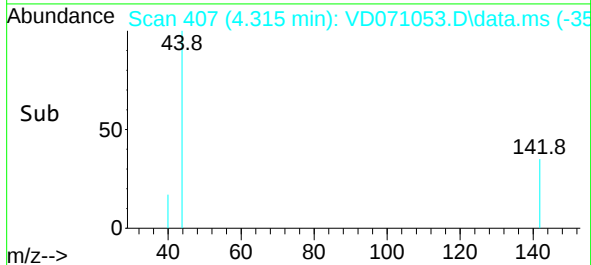
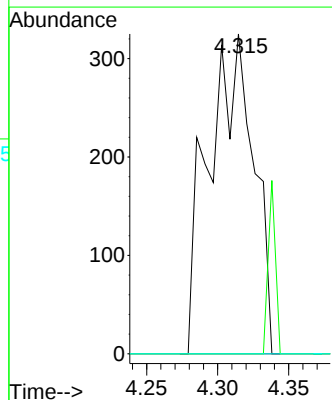
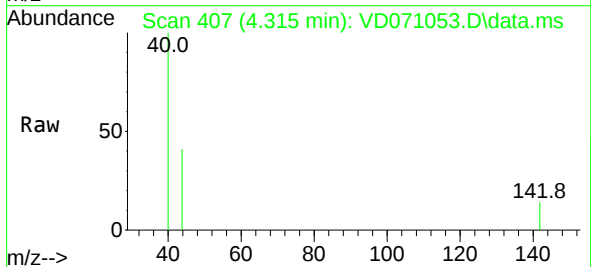
Instrument :
MSVOA_D
ClientSampleId :

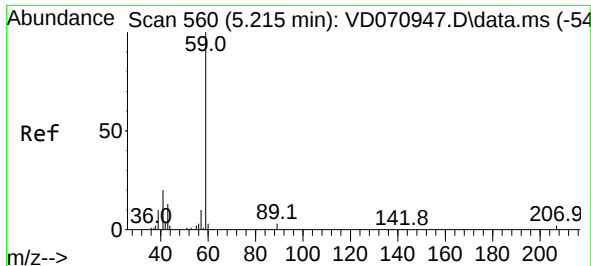
Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



#10
Methyl Iodide
Concen: 11.748 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

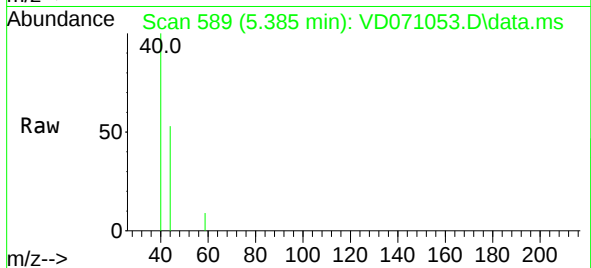
Tgt Ion: 142 Resp: 719
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



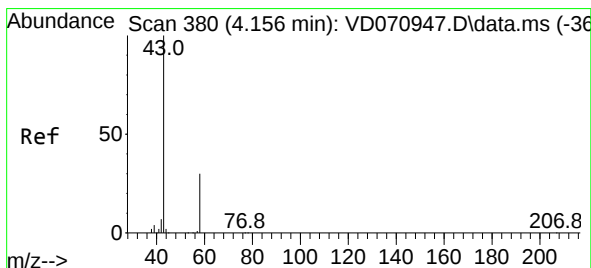
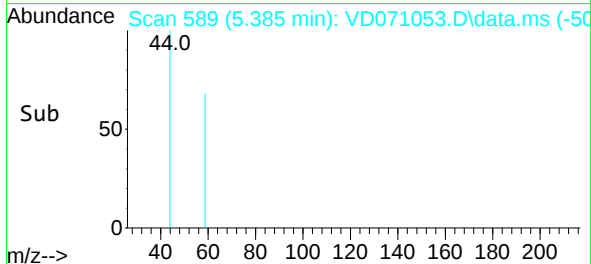
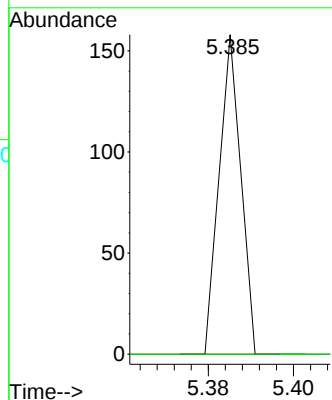


#11
Tert butyl alcohol
Concen: 7.557 ug/l
RT: 5.385 min Scan# 51
Delta R.T. 0.170 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :

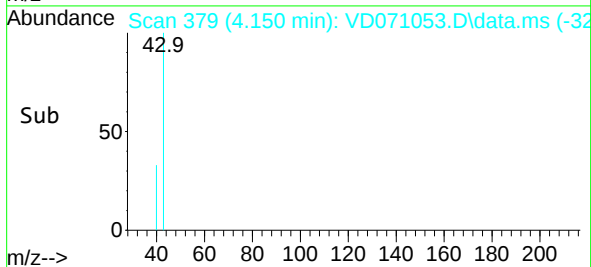
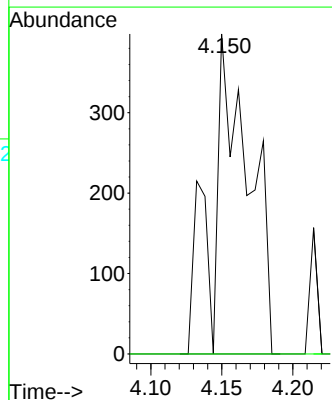
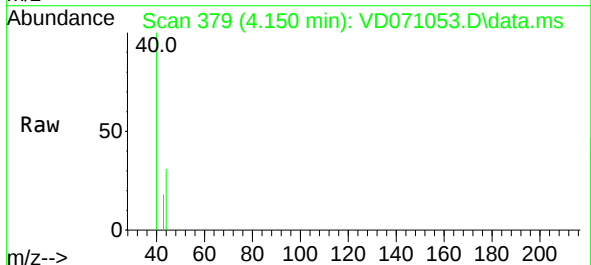


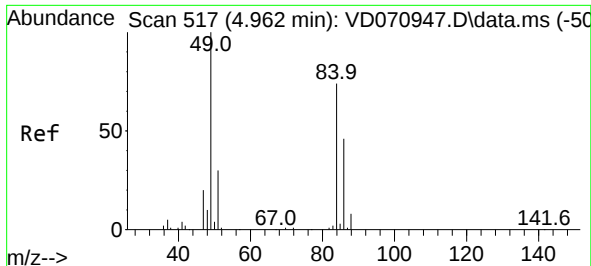
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 44.110 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

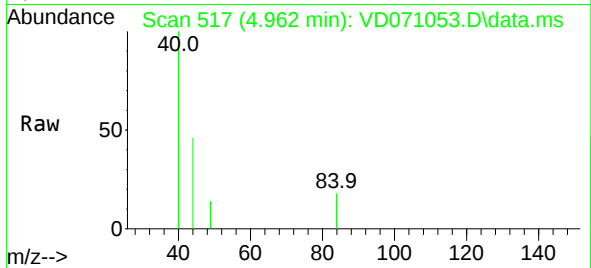
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



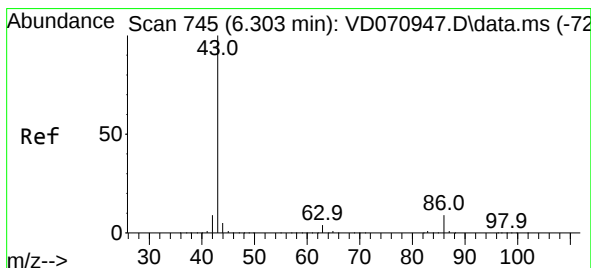
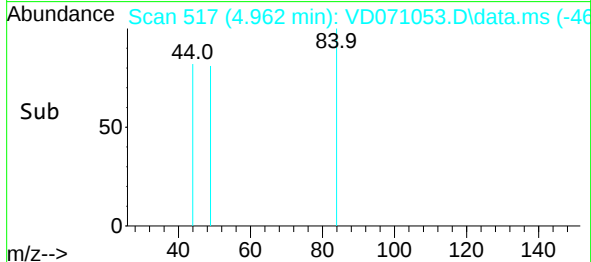
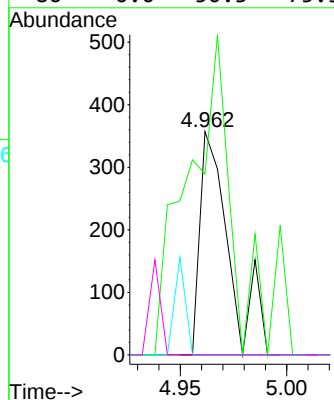


#20
Methylene Chloride
Concen: 2.529 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :

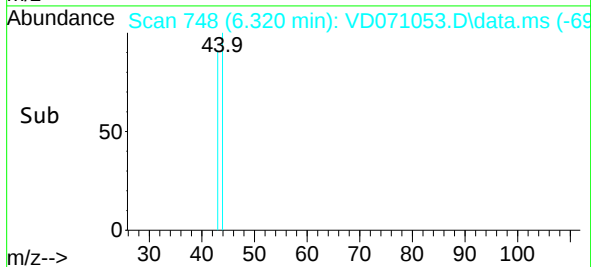
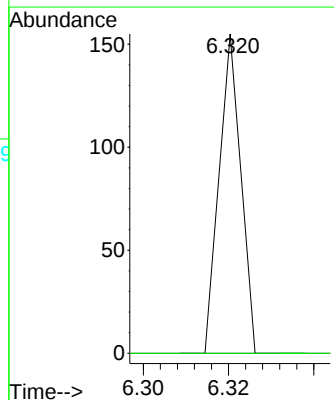
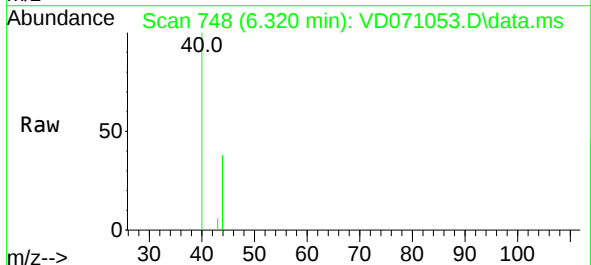


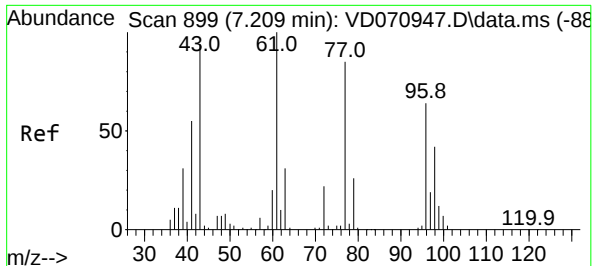
Tgt Ion:	84	Resp:	338
Ion	Ratio	Lower	Upper
84	100		
49	23.0	95.8	143.6#
51	0.0	30.9	46.3#
86	0.0	50.3	75.5#



#23
Vinyl Acetate
Concen: 21.235 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#





#25

2-Butanone

Concen: 23.482 ug/l

RT: 7.173 min Scan# 899

Delta R.T. -0.036 min

Lab File: VD071053.D

Acq: 19 Nov 2021 13:36

Instrument :

MSVOA_D

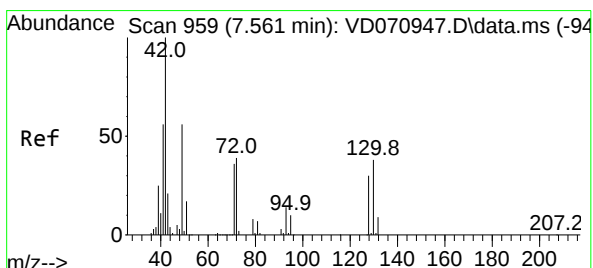
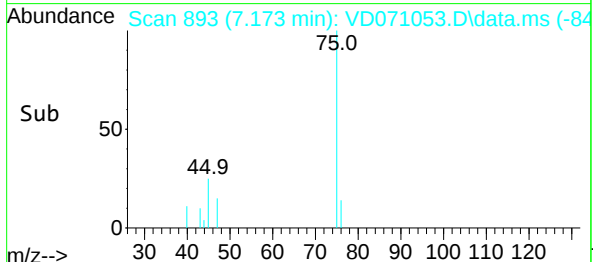
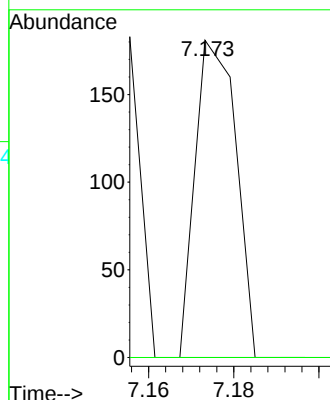
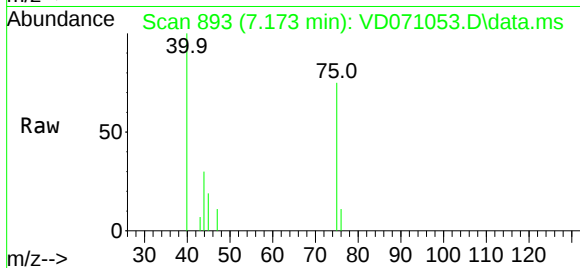
ClientSampleId :

Tgt Ion: 43 Resp: 120

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 3.252 ug/l

RT: 7.297 min Scan# 914

Delta R.T. -0.264 min

Lab File: VD071053.D

Acq: 19 Nov 2021 13:36

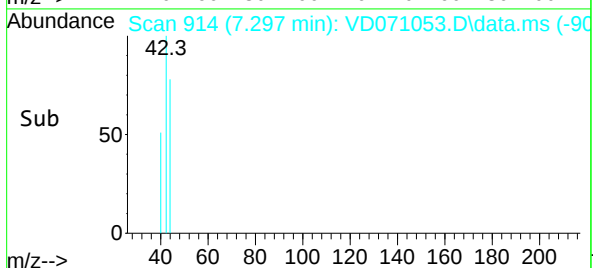
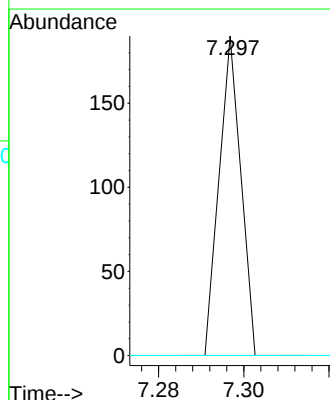
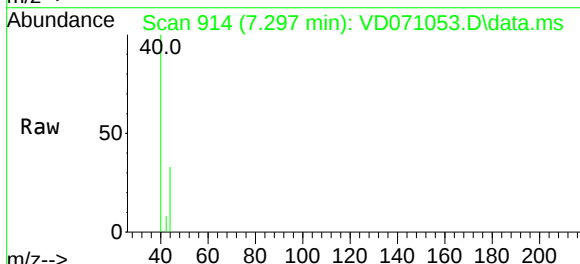
Tgt Ion: 42 Resp: 67

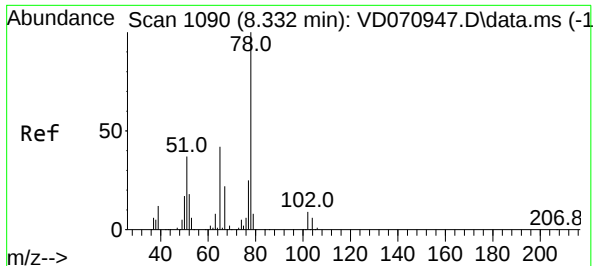
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 85.638 ug/l

RT: 8.332 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VD071053.D

Acq: 19 Nov 2021 13:36

Instrument :

MSVOA_D

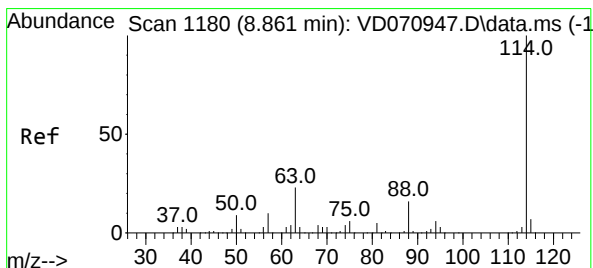
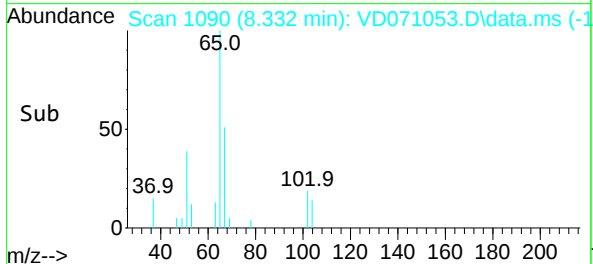
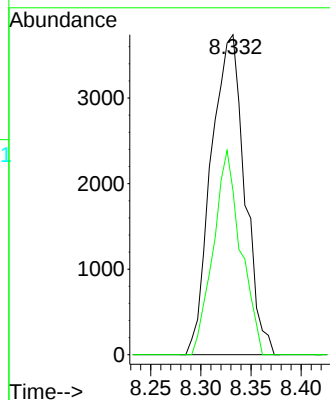
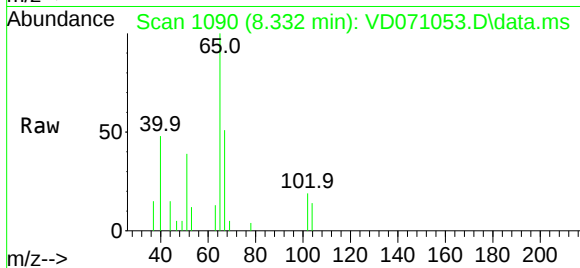
ClientSampleId :

Tgt Ion: 65 Resp: 8683

Ion Ratio Lower Upper

65 100

67 52.3 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: VD071053.D

Acq: 19 Nov 2021 13:36

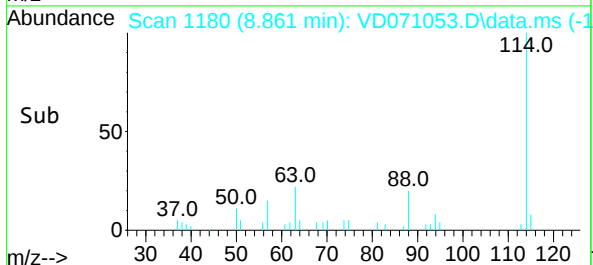
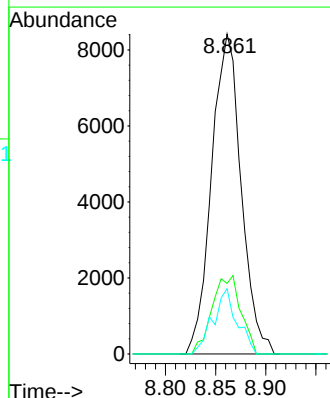
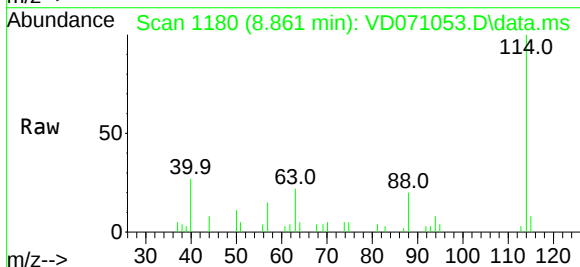
Tgt Ion: 114 Resp: 17235

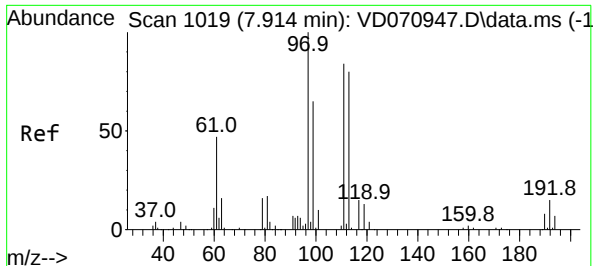
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 20.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 56.039 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

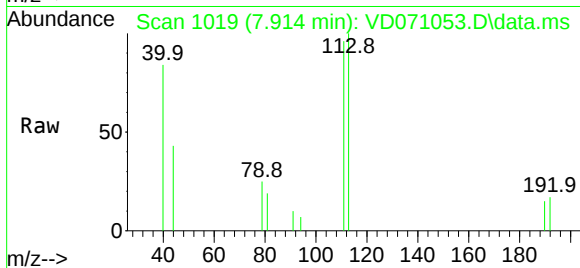
Lab File: VD071053.D

Acq: 19 Nov 2021 13:36

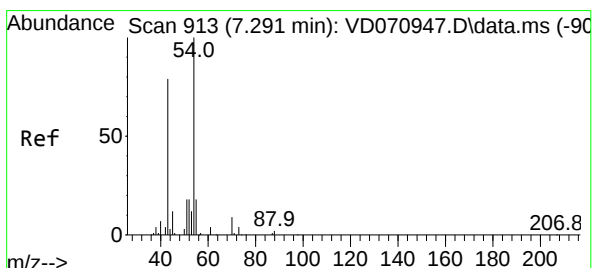
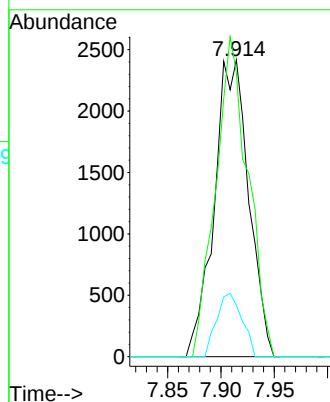
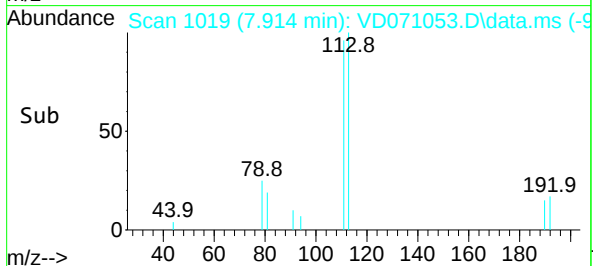
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	5450
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.0	123.0
192	15.7	15.2	22.8



#37

Ethyl Acetate

Concen: 1.624 ug/l

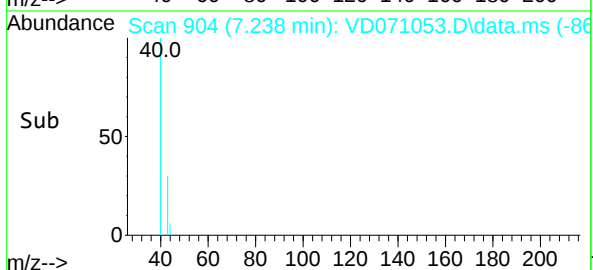
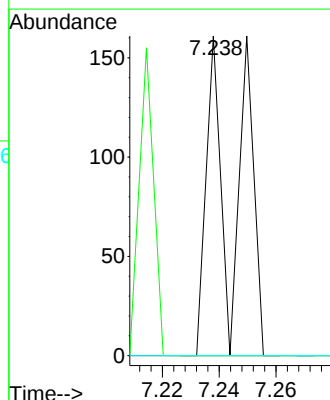
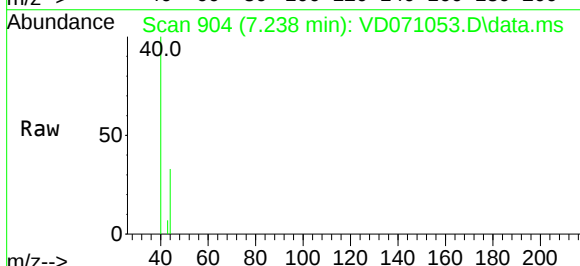
RT: 7.238 min Scan# 904

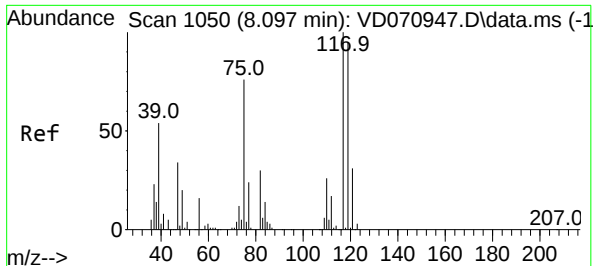
Delta R.T. -0.053 min

Lab File: VD071053.D

Acq: 19 Nov 2021 13:36

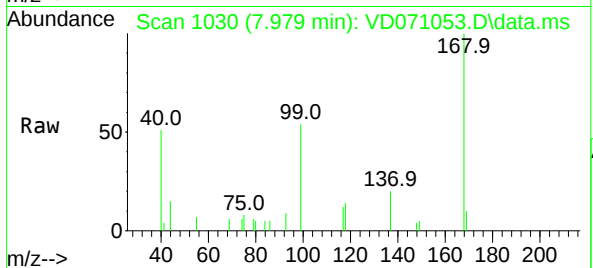
Tgt Ion:	43	Resp:	114
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



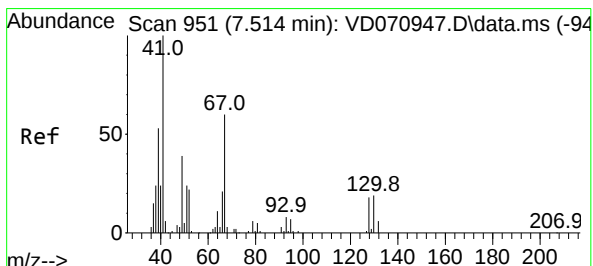
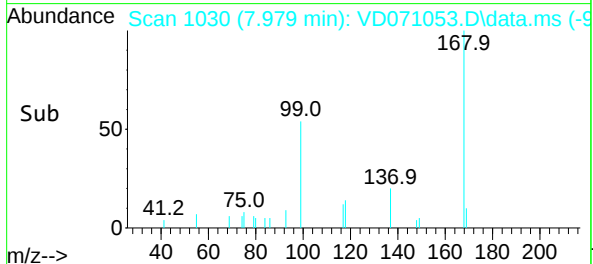
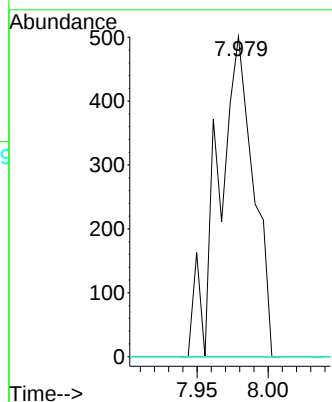


#38
Carbon Tetrachloride
Concen: 6.132 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :

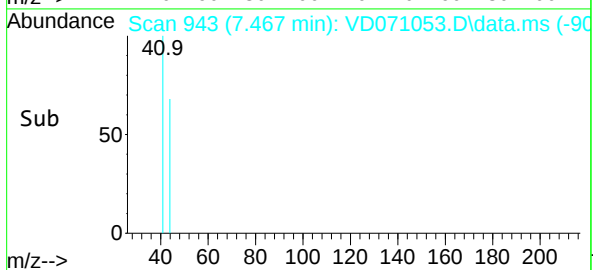
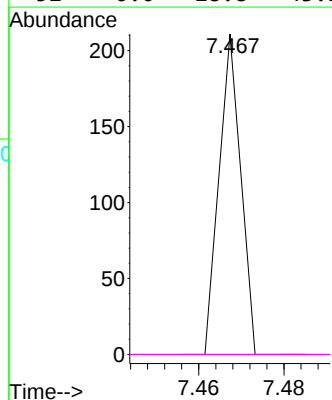
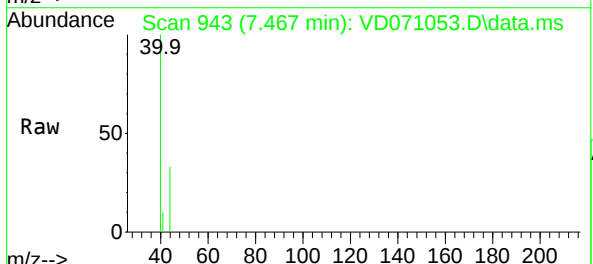


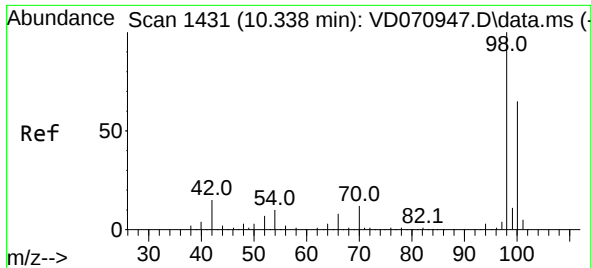
Tgt Ion:117 Resp: 869
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 4.836 ug/l
RT: 7.467 min Scan# 943
Delta R.T. -0.047 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Tgt Ion: 41 Resp: 74
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#

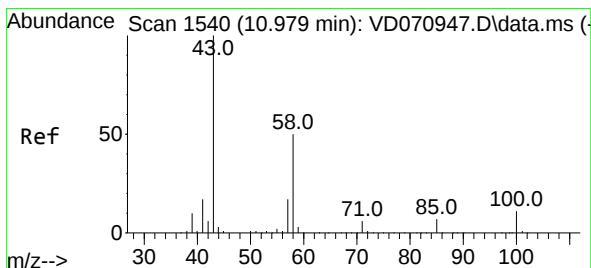
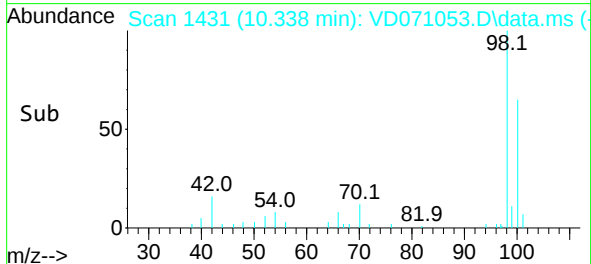
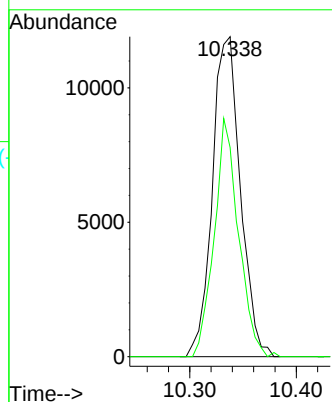
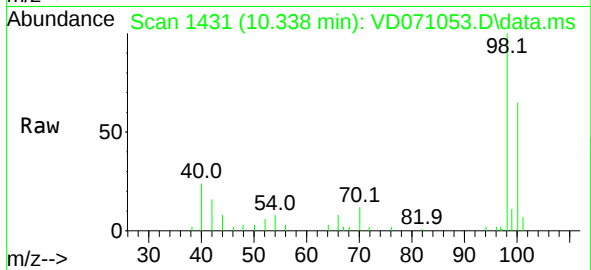




#50
Toluene-d8
Concen: 57.062 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

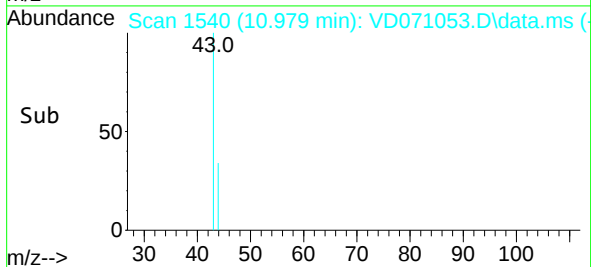
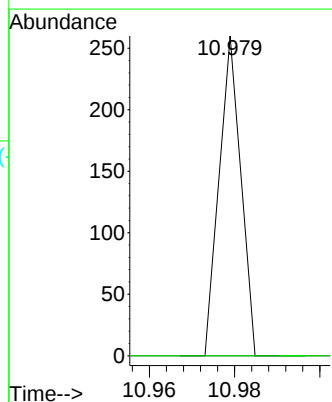
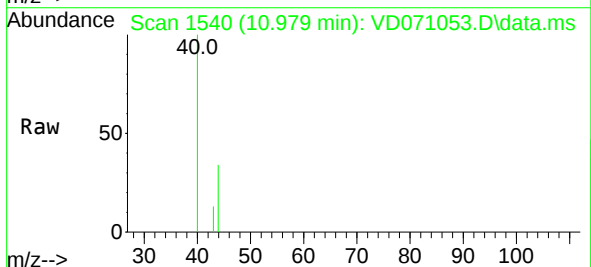
Instrument :
MSVOA_D
ClientSampleId :

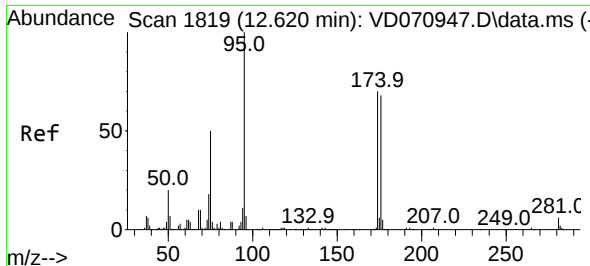
Tgt Ion: 98 Resp: 21733
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#59
2-Hexanone
Concen: 17.464 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

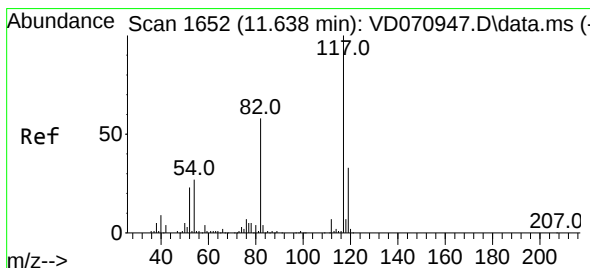
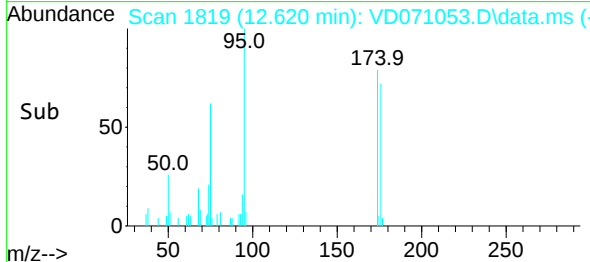
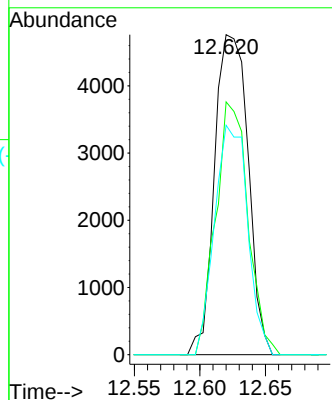
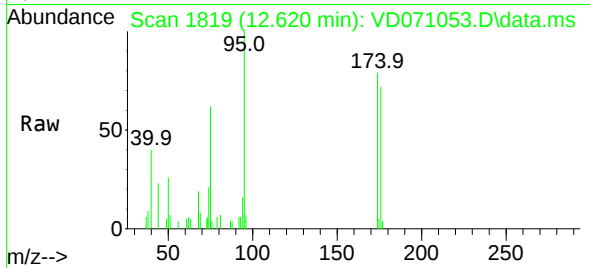




#62
4-Bromofluorobenzene
Concen: 61.618 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

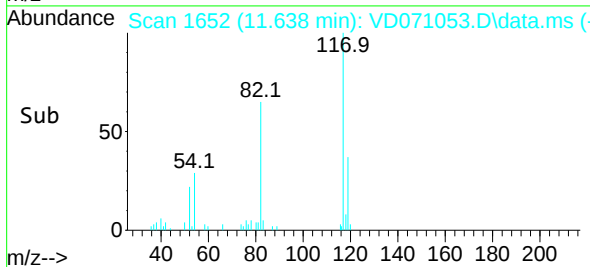
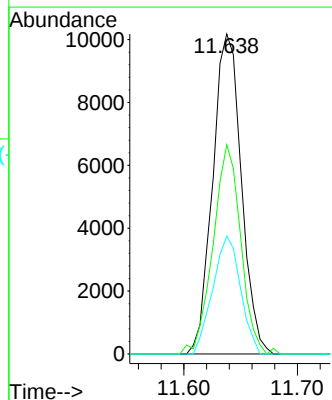
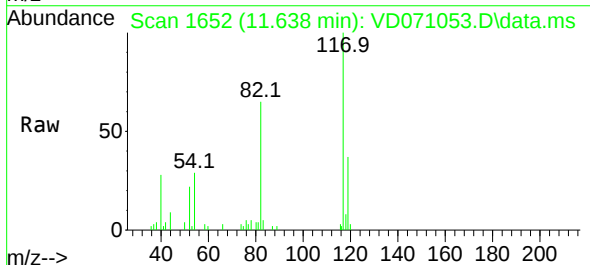
Instrument :
MSVOA_D
ClientSampleId :

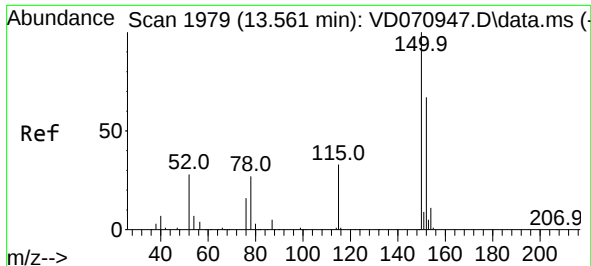
Tgt Ion:	95	Resp:	8450
Ion Ratio	Lower	Upper	
95	100		
174	76.2	0.0	159.4
176	70.7	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

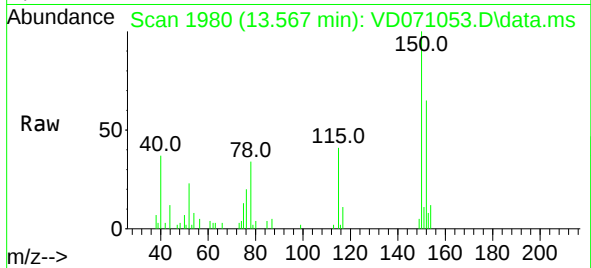
Tgt Ion:	117	Resp:	17828
Ion Ratio	Lower	Upper	
117	100		
82	65.3	44.7	67.1
119	36.9	26.2	39.4



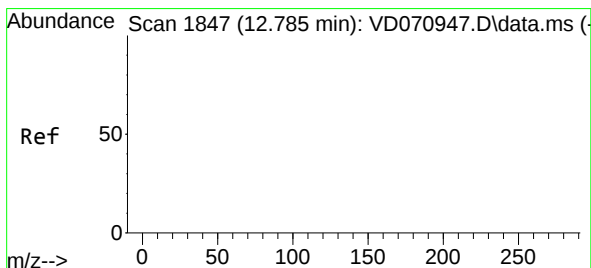
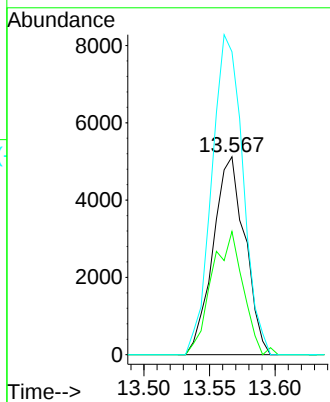
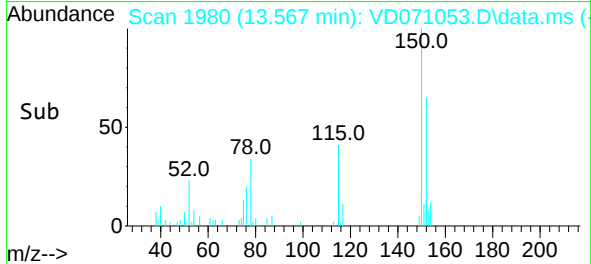


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD071053.D
 Acq: 19 Nov 2021 13:36

Instrument :
 MSVOA_D
 ClientSampleId :

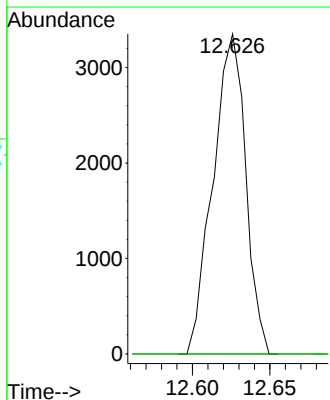
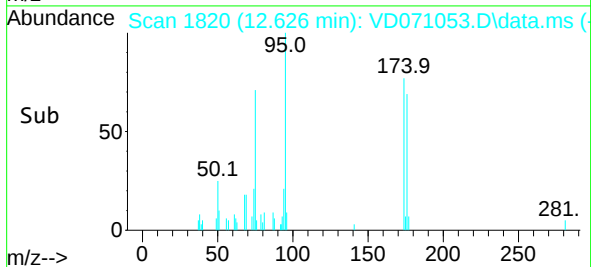
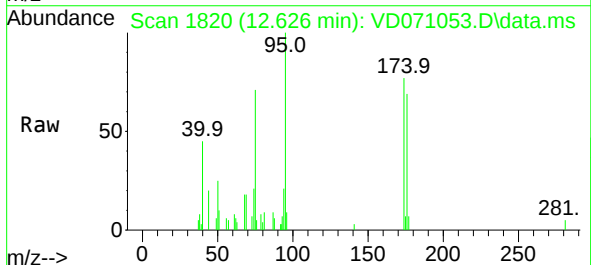


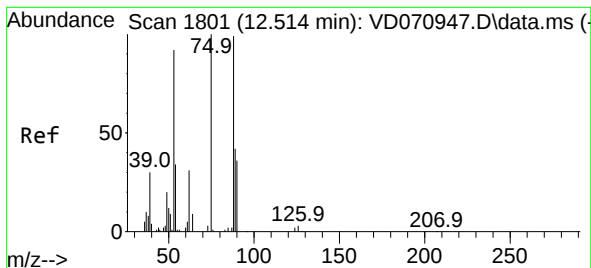
Tgt Ion:152 Resp: 8664
 Ion Ratio Lower Upper
 152 100
 115 61.4 29.8 89.3
 150 157.9 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 66.385 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.159 min
 Lab File: VD071053.D
 Acq: 19 Nov 2021 13:36

Tgt Ion: 75 Resp: 4913
 Ion Ratio Lower Upper
 75 100
 77 0.0 158.4 475.3#

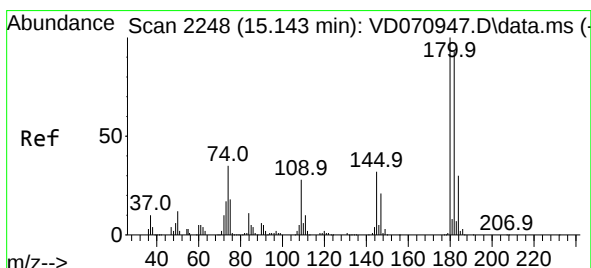
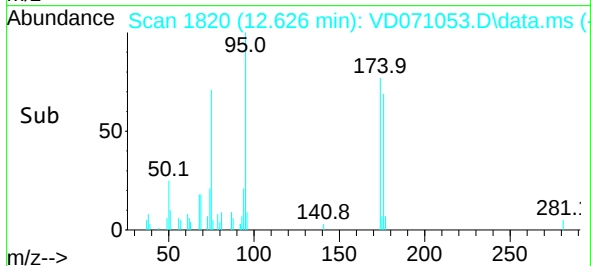
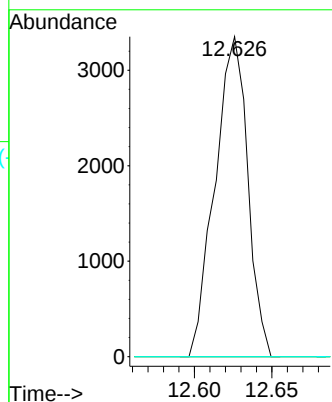
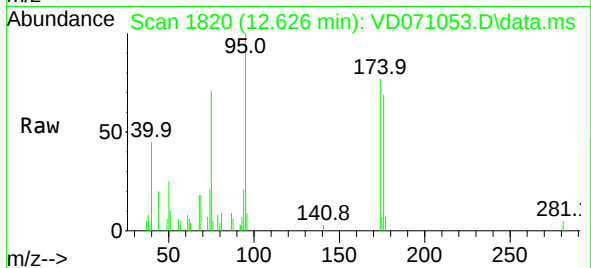




#81
trans-1,4-Dichloro-2-butene
Concen: 122.653 ug/l
RT: 12.626 min Scan# 1801
Delta R.T. 0.112 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

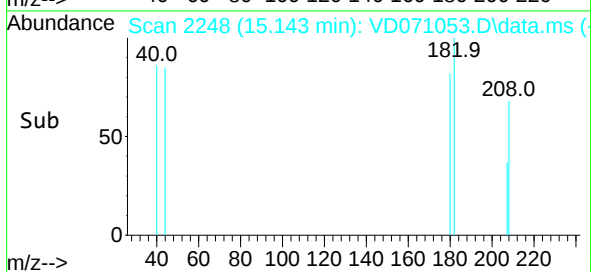
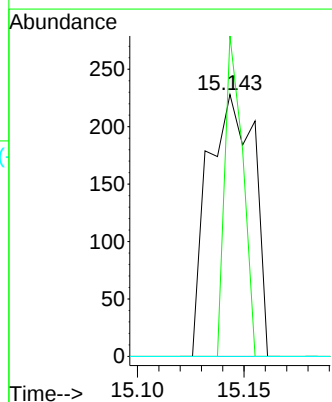
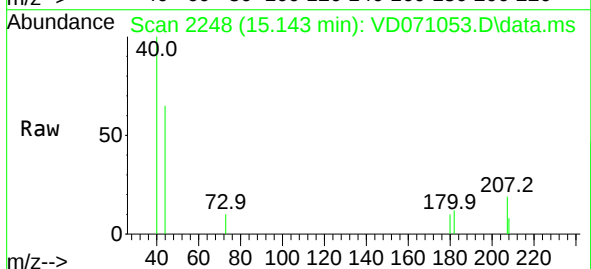
Instrument :
MSVOA_D
ClientSampleId :

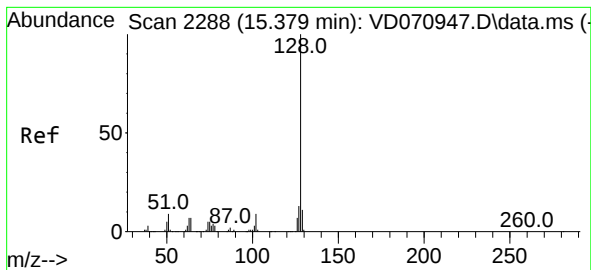
Tgt Ion: 75 Resp: 4913
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#93
1,2,4-Trichlorobenzene
Concen: 2.366 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. 0.000 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

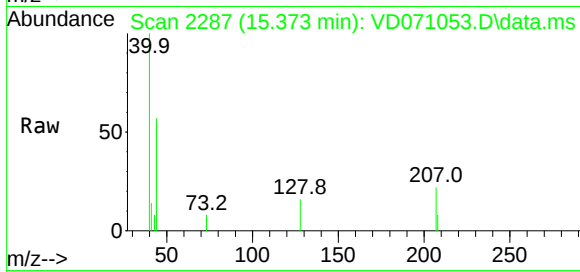
Tgt Ion:180 Resp: 342
Ion Ratio Lower Upper
180 100
182 47.4 48.2 144.6#
145 0.0 15.4 46.2#





#95
Naphthalene
Concen: 2.344 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD071053.D
Acq: 19 Nov 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 647
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

