

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071056.D
 Acq On : 19 Nov 2021 15:00
 Operator : VA/SY
 Sample : M4758-31
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:53:05 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)

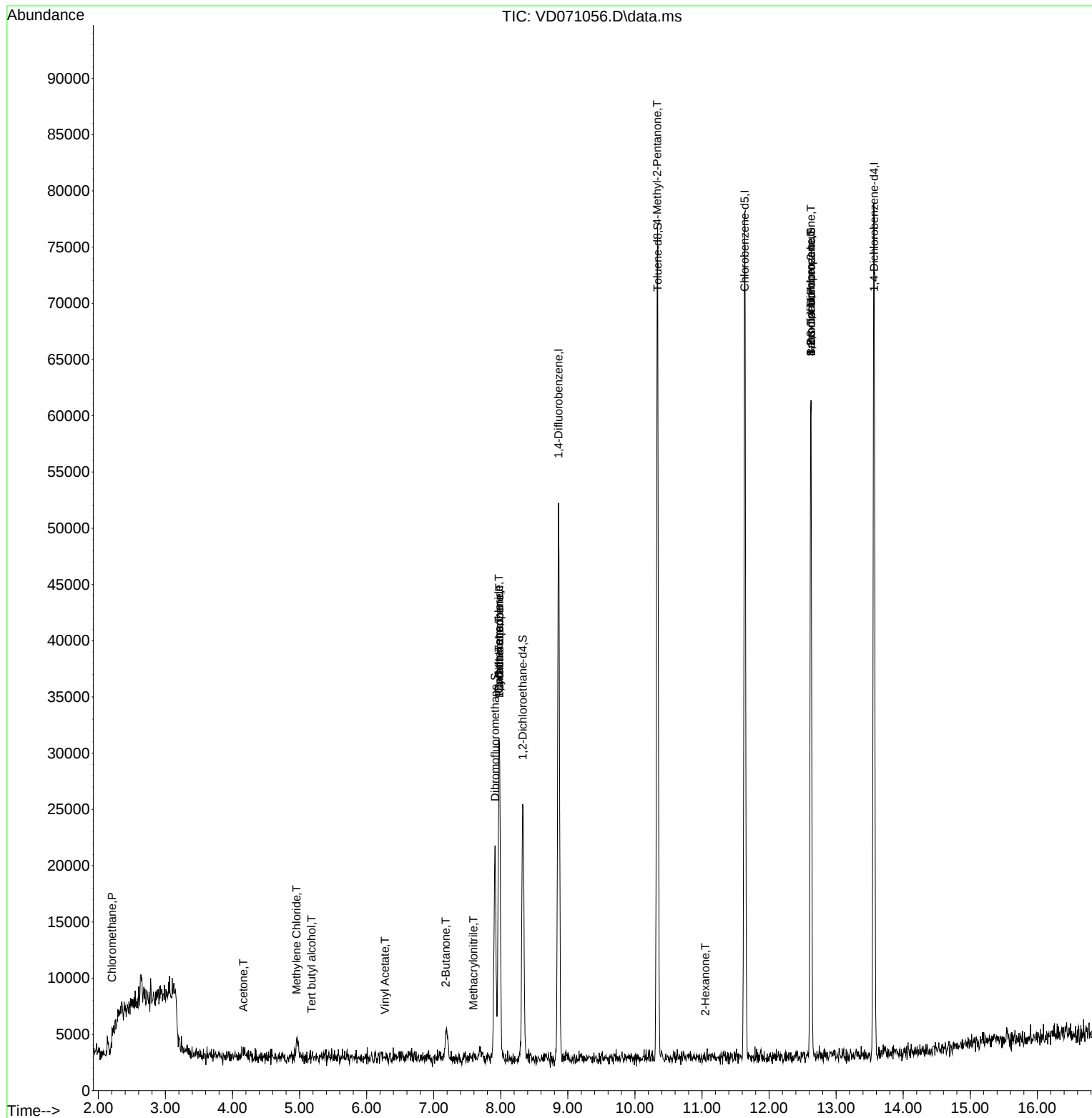
Internal Standards						
1) Pentafluorobenzene	7.979	168	20707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	38377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	40185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	19825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	17648	80.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.100%			
35) Dibromofluoromethane	7.914	113	12456	57.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.040%			
50) Toluene-d8	10.338	98	49031	57.814	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.620%			
62) 4-Bromofluorobenzene	12.626	95	18644	61.056	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.120%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	226	1.074	ug/l #	51
11) Tert butyl alcohol	5.179	59	64	3.972	ug/l #	71
16) Acetone	4.161	43	1029	35.710	ug/l #	40
20) Methylene Chloride	4.956	84	477	1.491	ug/l #	28
23) Vinyl Acetate	6.273	43	59	21.107	ug/l #	72
25) 2-Butanone	7.179	43	118	21.776	ug/l #	45
31) Cyclohexane	7.973	56	678	1.495	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	1868	5.452	ug/l #	45
38) Carbon Tetrachloride	7.973	117	2390	7.574	ug/l #	12
41) Methacrylonitrile	7.591	41	74	4.103	ug/l #	12
51) 4-Methyl-2-Pentanone	10.332	43	374	2.332	ug/l #	1
59) 2-Hexanone	11.049	43	63	16.405	ug/l #	22
71) Bromoform	12.626	173	238	1.793	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	10014	59.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	10014	109.622	ug/l #	18

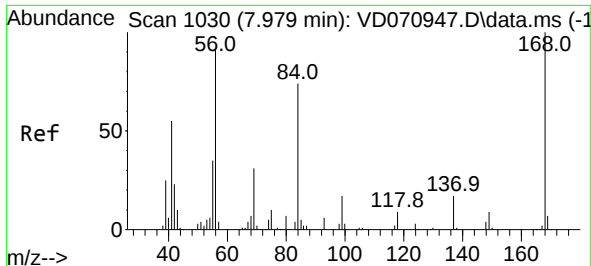
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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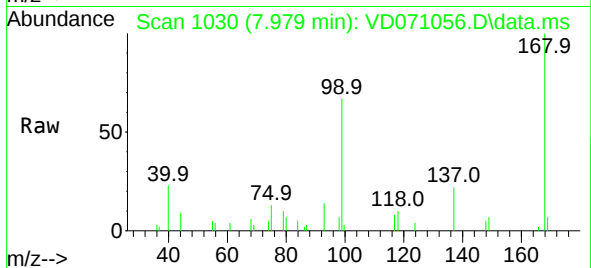
Quant Time: Nov 22 02:53:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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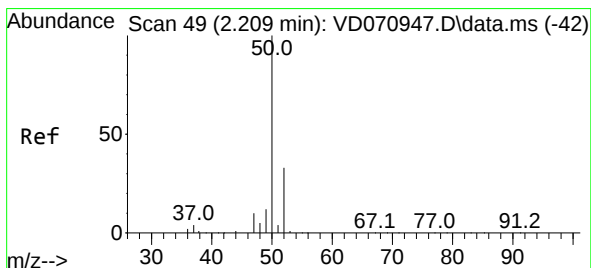
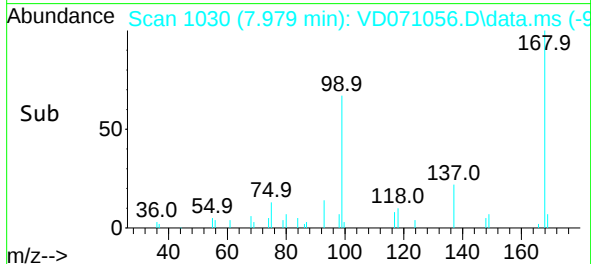
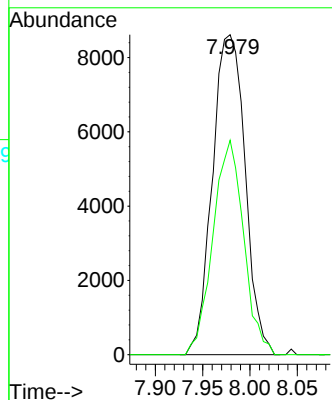


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

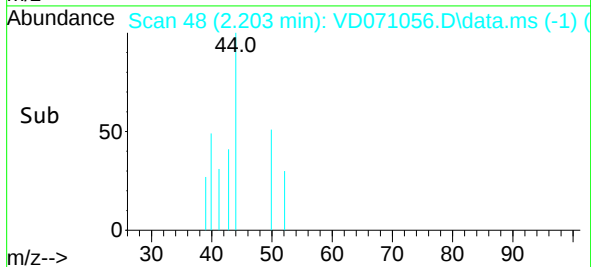
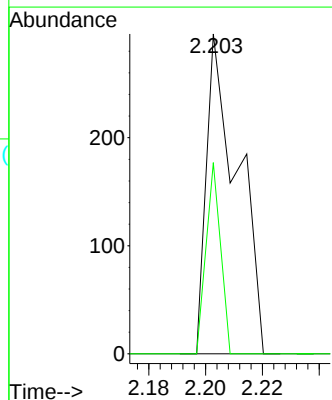
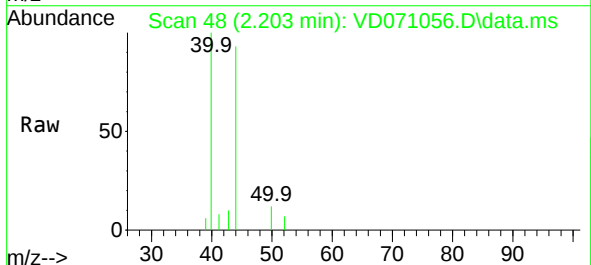


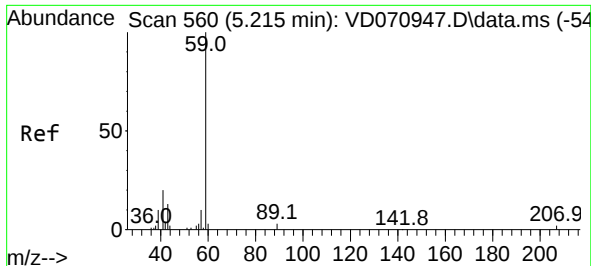
Tgt Ion:168 Resp: 20707
Ion Ratio Lower Upper
168 100
99 67.0 46.6 69.8



#3
Chloromethane
Concen: 1.074 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 59.8 25.8 38.8#





#11

Tert butyl alcohol

Concen: 3.972 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

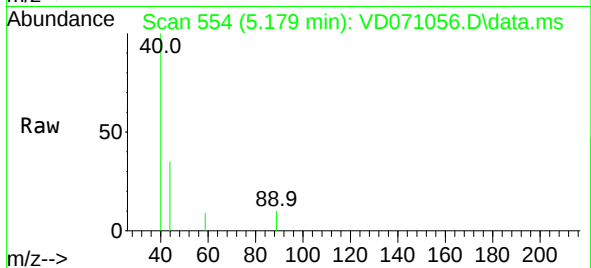
Lab File: VD071056.D

Acq: 19 Nov 2021 15:00

Instrument :

MSVOA_D

ClientSampleId :

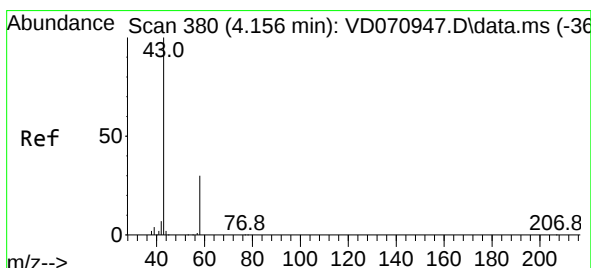
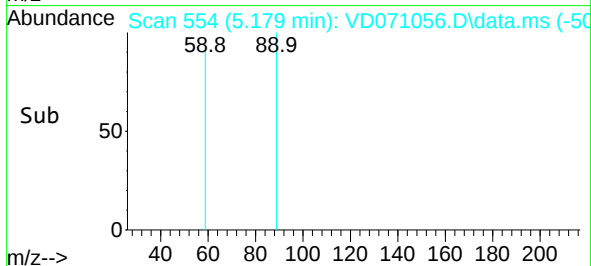
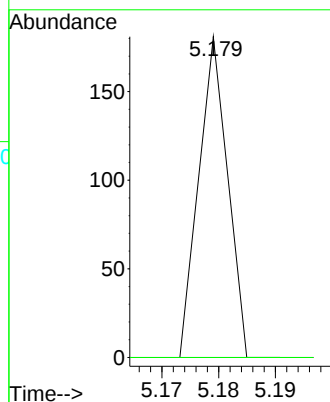


Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#16

Acetone

Concen: 35.710 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.005 min

Lab File: VD071056.D

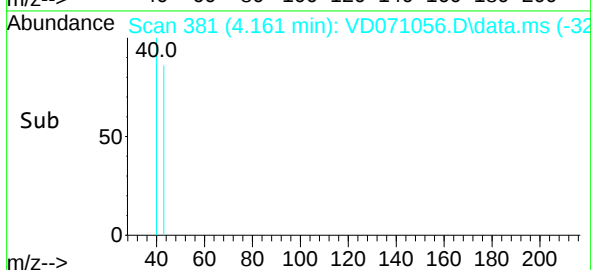
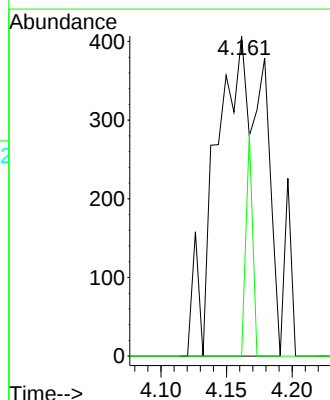
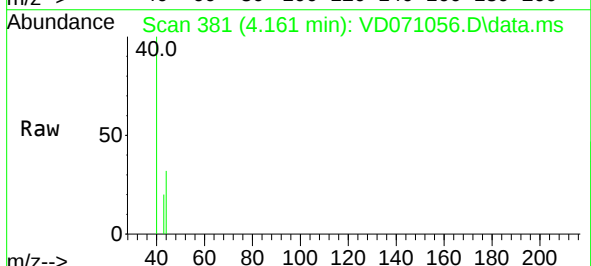
Acq: 19 Nov 2021 15:00

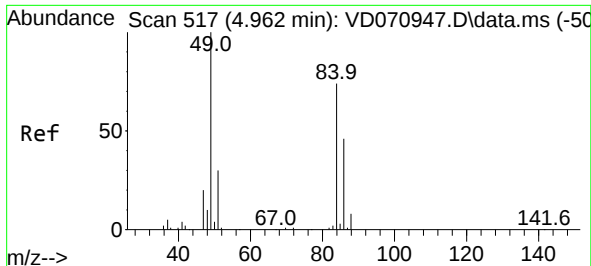
Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

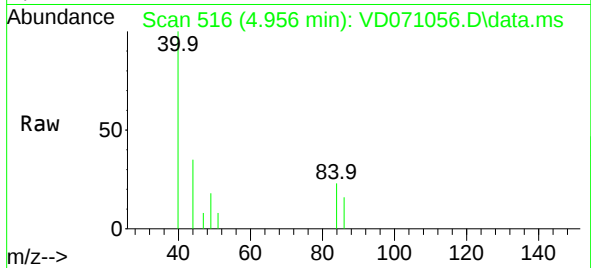
58 0.0 27.8 41.8#



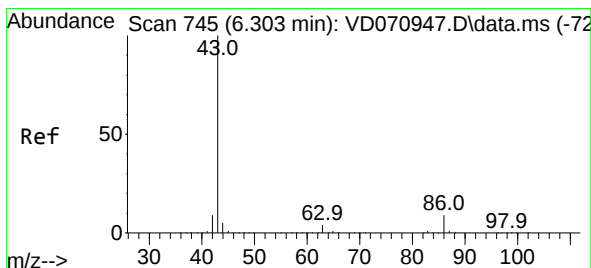
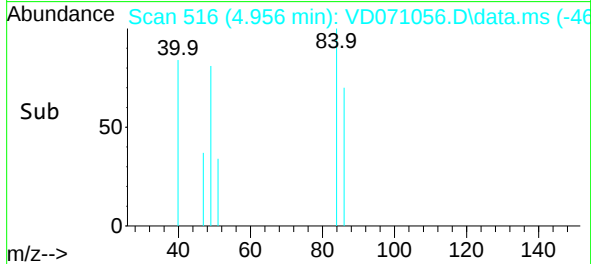
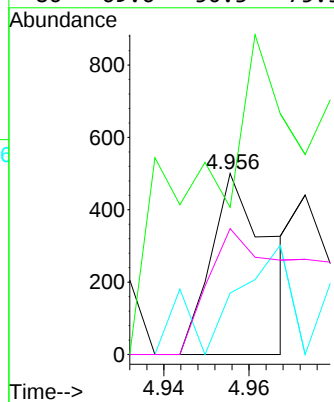


#20
Methylene Chloride
Concen: 1.491 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

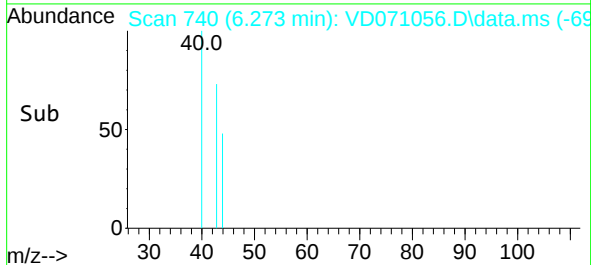
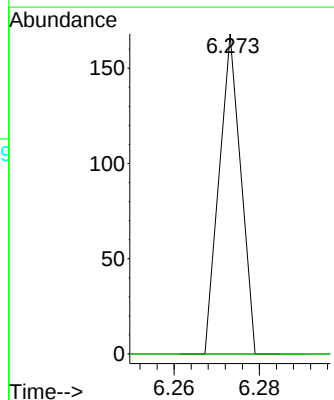
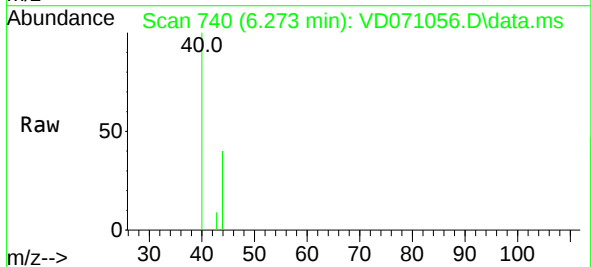


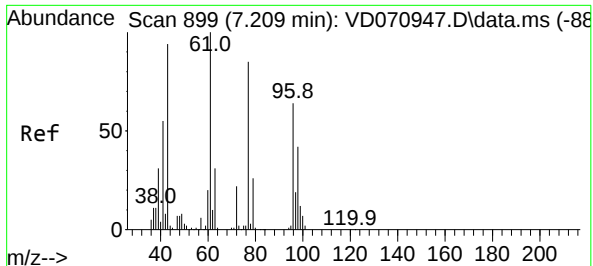
Tgt Ion: 84 Resp: 477
Ion Ratio Lower Upper
84 100
49 0.0 95.8 143.6#
51 0.0 30.9 46.3#
86 69.6 50.3 75.5



#23
Vinyl Acetate
Concen: 21.107 ug/l
RT: 6.273 min Scan# 740
Delta R.T. -0.030 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

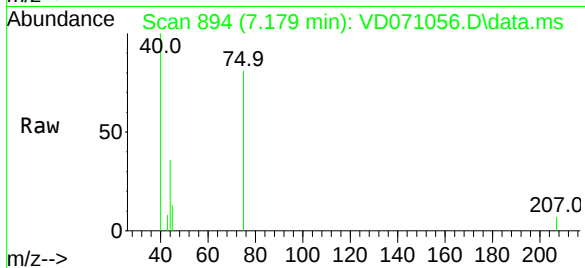
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



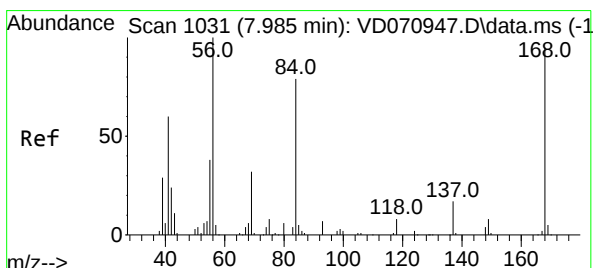
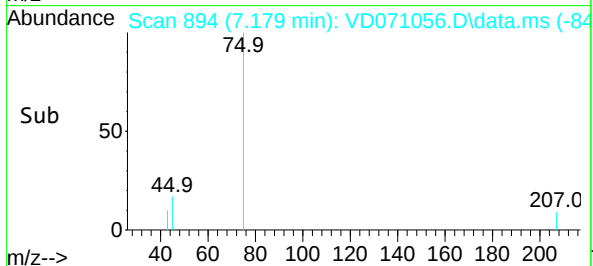
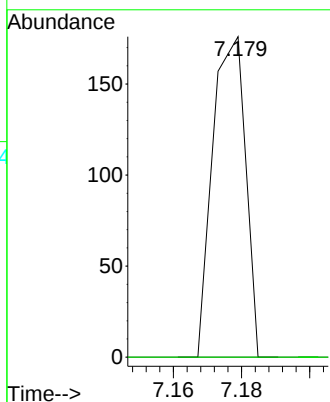


#25
2-Butanone
Concen: 21.776 ug/l
RT: 7.179 min Scan# 899
Delta R.T. -0.030 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

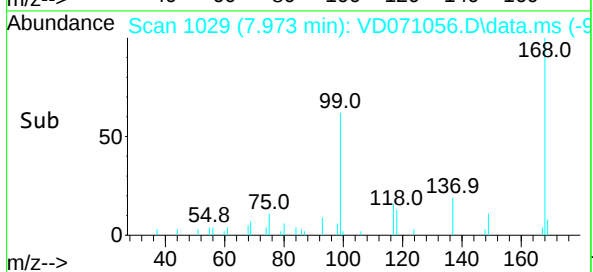
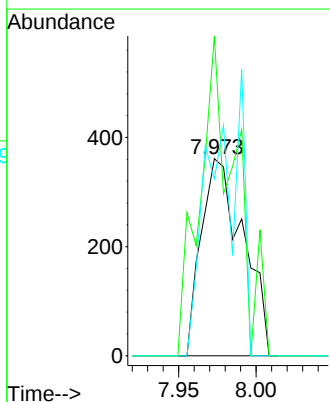
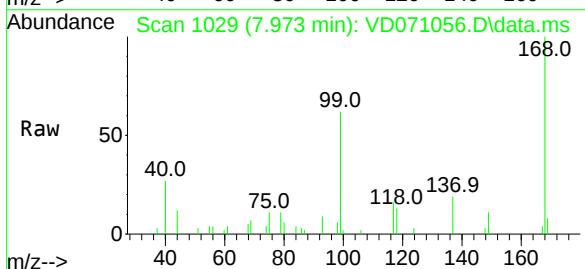


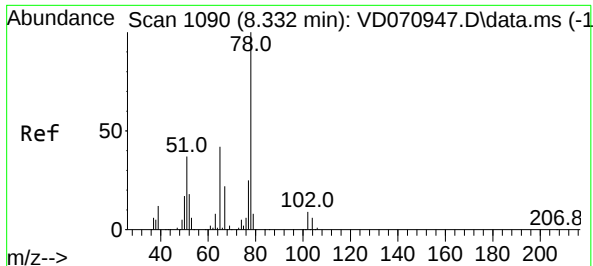
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.495 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Tgt Ion: 56 Resp: 678
Ion Ratio Lower Upper
56 100
69 162.3 25.9 38.9#
84 89.8 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 80.048 ug/l

RT: 8.326 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD071056.D

Acq: 19 Nov 2021 15:00

Instrument :

MSVOA_D

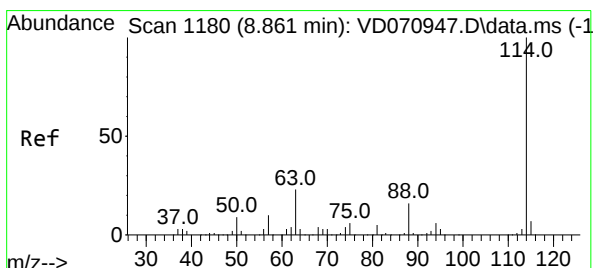
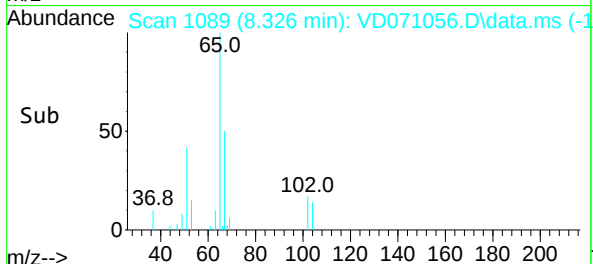
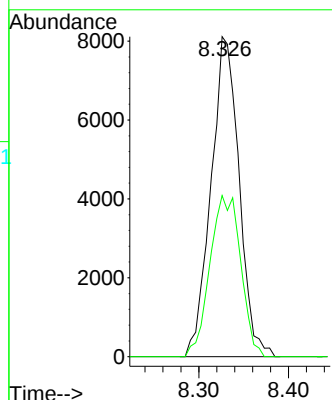
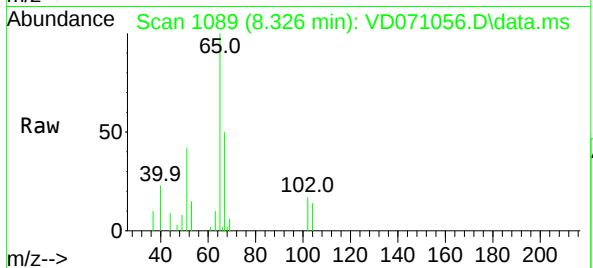
ClientSampleId :

Tgt Ion: 65 Resp: 17648

Ion Ratio Lower Upper

65 100

67 55.1 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: VD071056.D

Acq: 19 Nov 2021 15:00

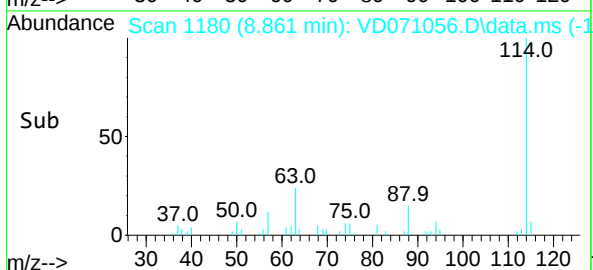
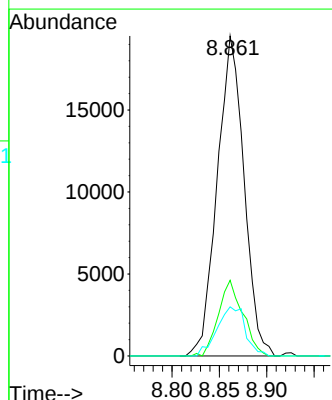
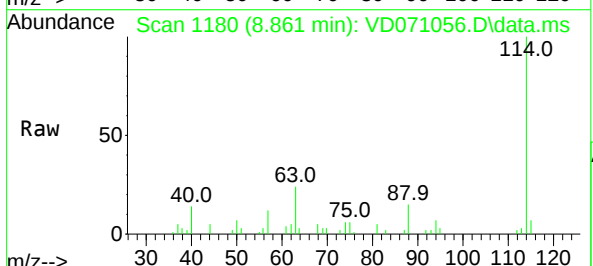
Tgt Ion: 114 Resp: 38377

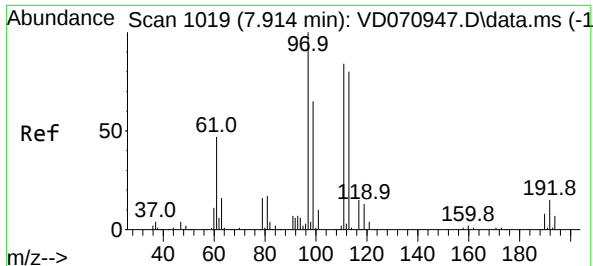
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 57.519 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

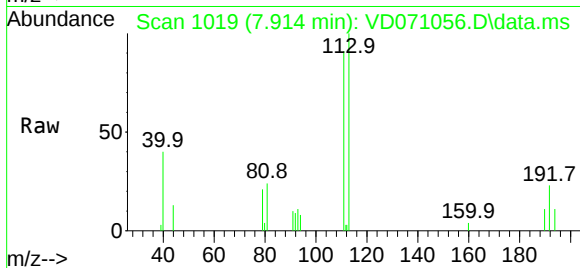
Lab File: VD071056.D

Acq: 19 Nov 2021 15:00

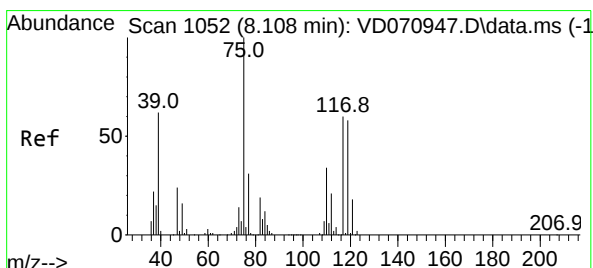
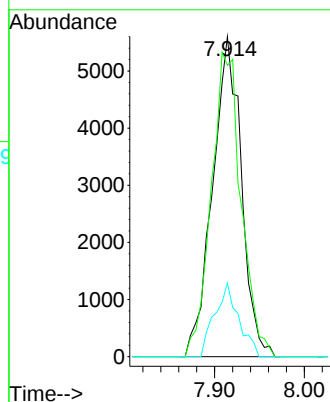
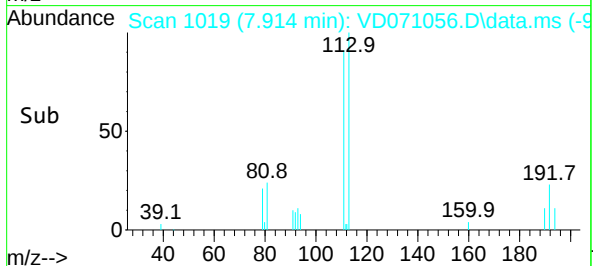
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	12456
Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.0	123.0
192	19.1	15.2	22.8



#36

1,1-Dichloropropene

Concen: 5.452 ug/l

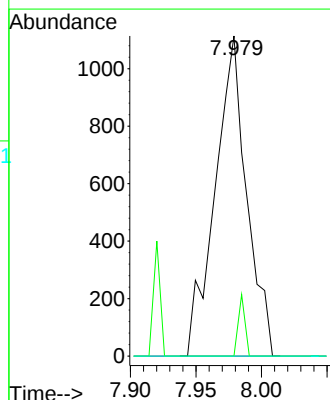
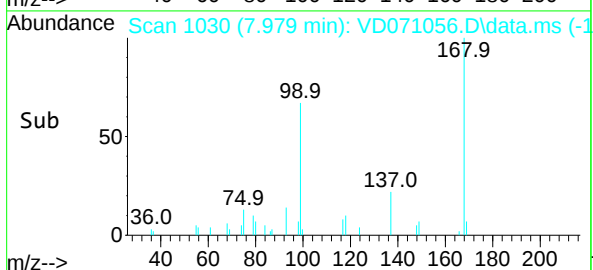
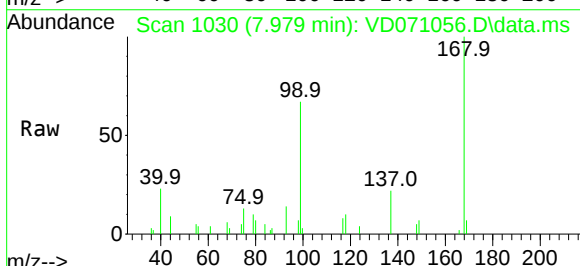
RT: 7.979 min Scan# 1030

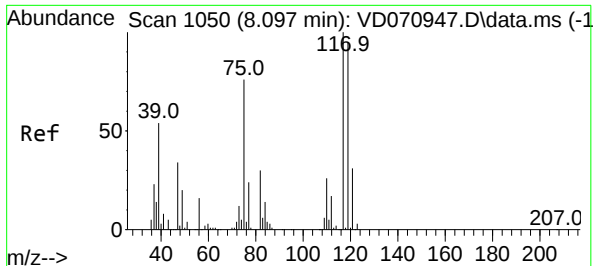
Delta R.T. -0.129 min

Lab File: VD071056.D

Acq: 19 Nov 2021 15:00

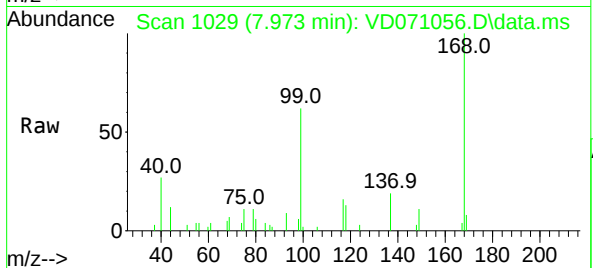
Tgt Ion:	75	Resp:	1868
Ion	Ratio	Lower	Upper
75	100		
110	4.1	17.8	53.4#
77	0.0	24.8	37.2#



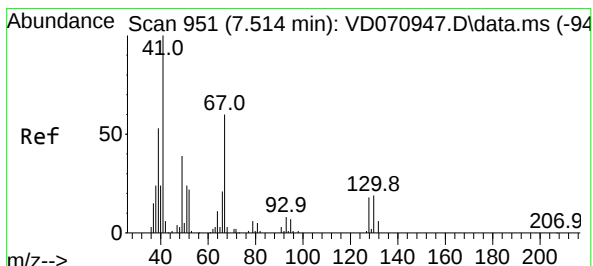
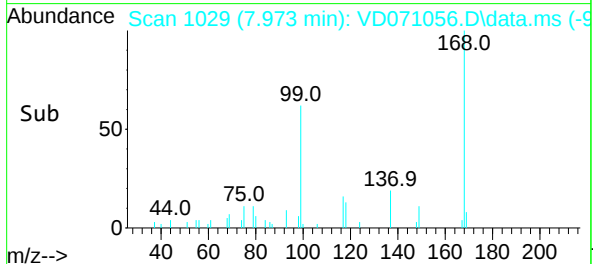
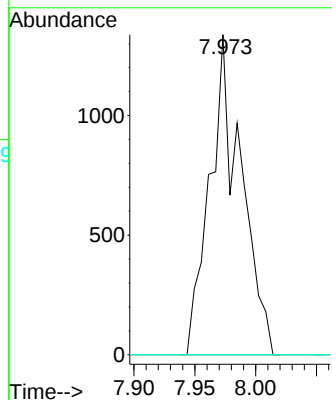


#38
Carbon Tetrachloride
Concen: 7.574 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

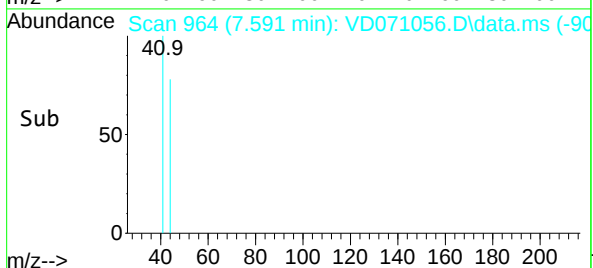
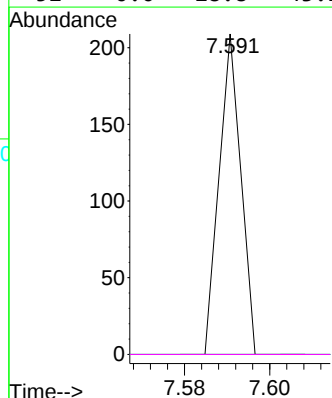
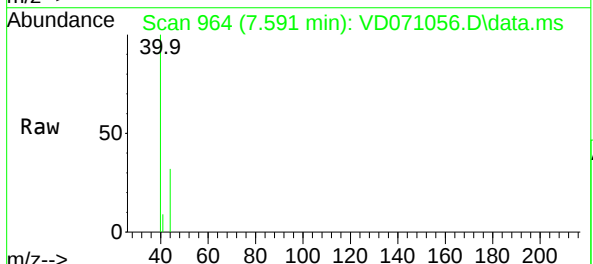


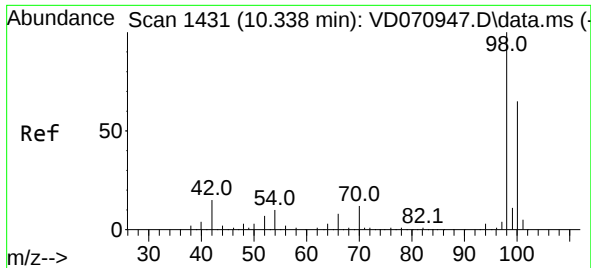
Tgt Ion:117 Resp: 2390
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 4.103 ug/l
RT: 7.591 min Scan# 964
Delta R.T. 0.077 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

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#

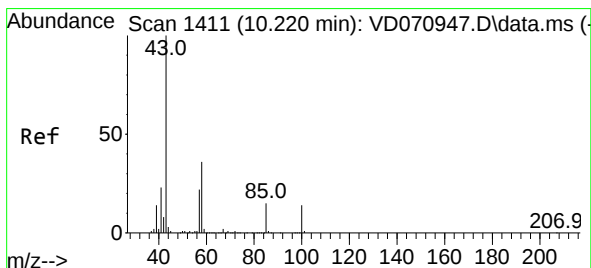
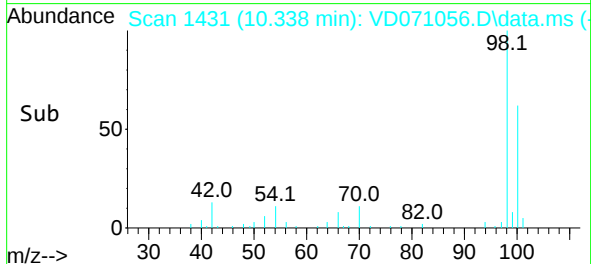
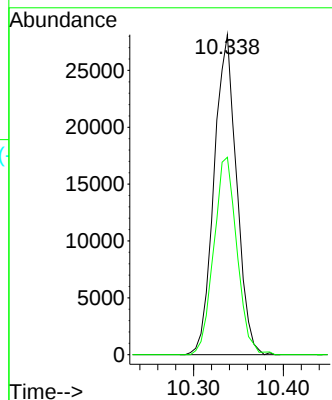
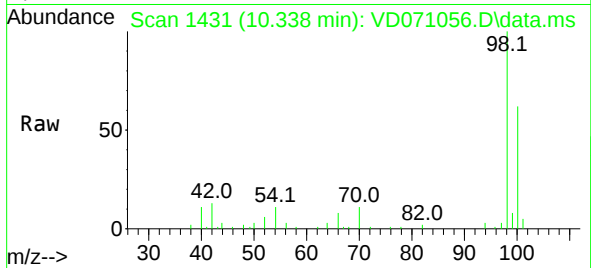




#50
Toluene-d8
Concen: 57.814 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

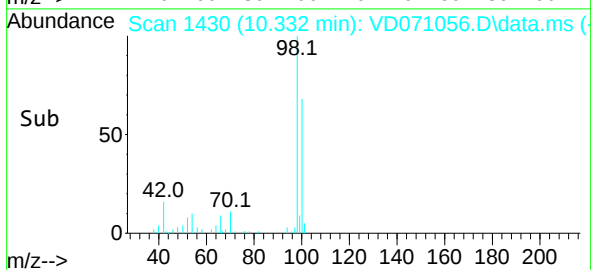
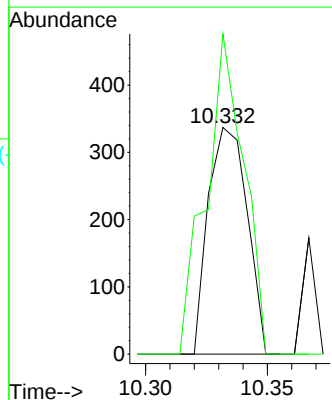
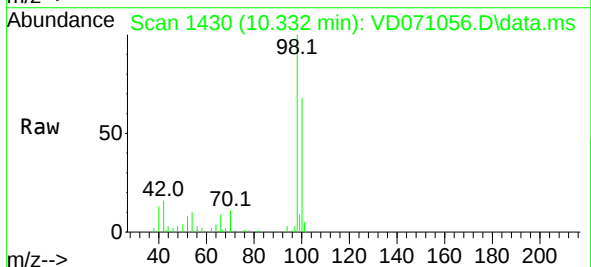
Instrument :
MSVOA_D
ClientSampleId :

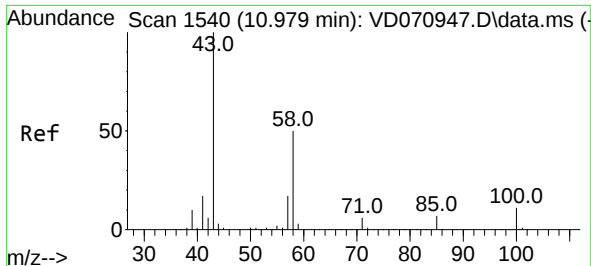
Tgt Ion: 98 Resp: 49031
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.332 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
58 137.7 33.1 49.7#

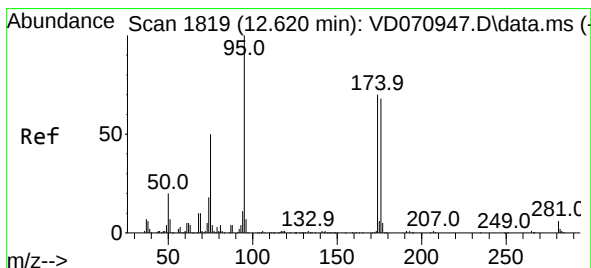
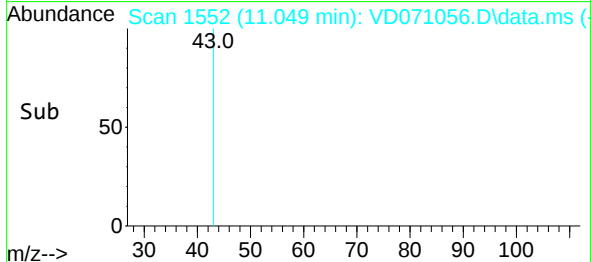
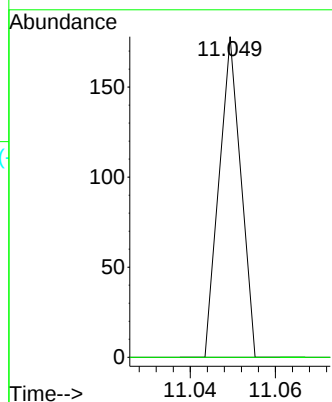
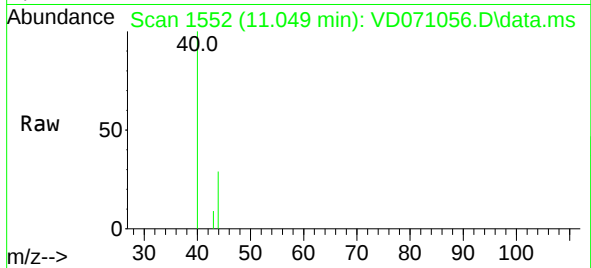




#59
2-Hexanone
Concen: 16.405 ug/l
RT: 11.049 min Scan# 11
Delta R.T. 0.070 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

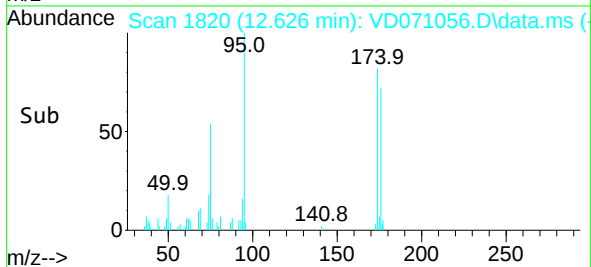
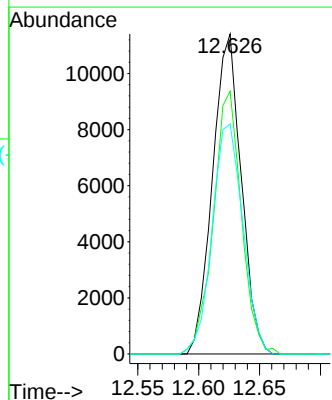
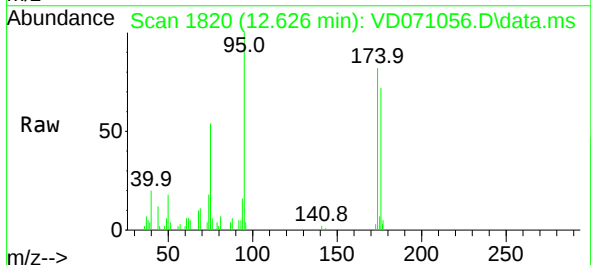
Instrument :
MSVOA_D
ClientSampleId :

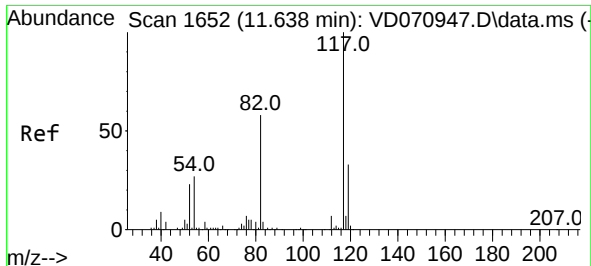
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 61.056 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

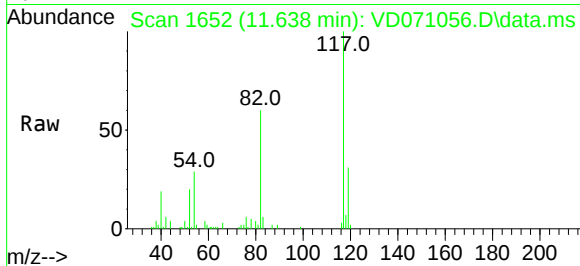
Tgt Ion: 95 Resp: 18644
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.4
176 77.0 0.0 154.0



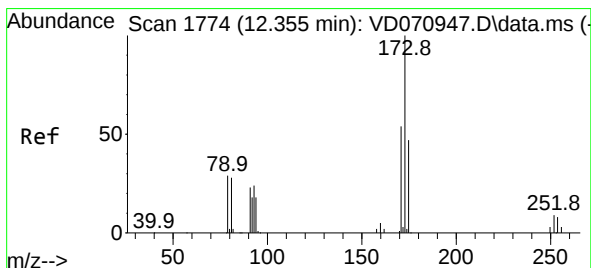
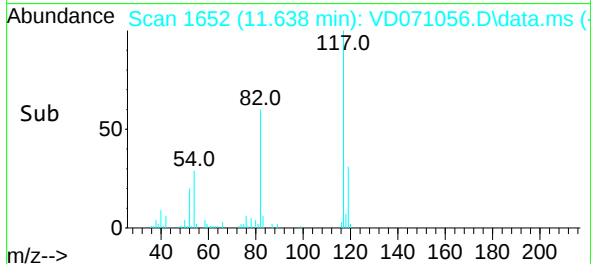
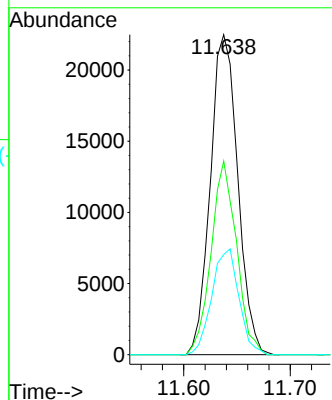


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

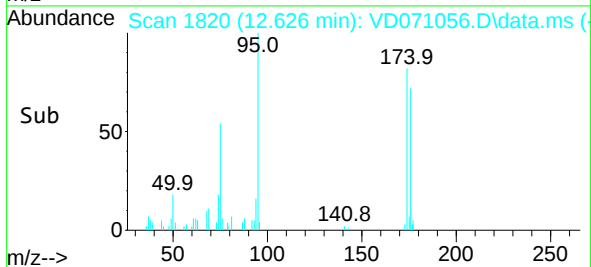
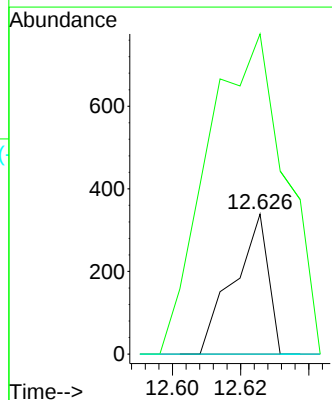
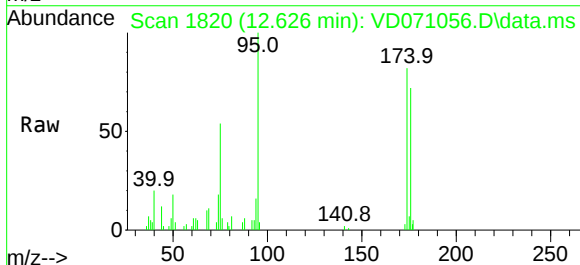


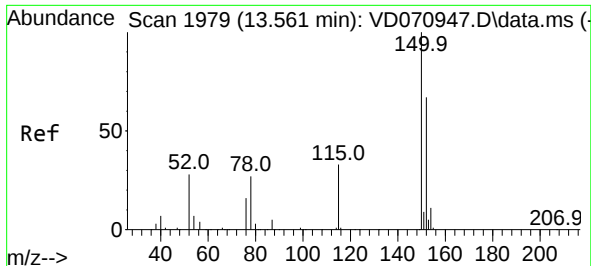
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	44.7	67.1
119	31.3	26.2	39.4



#71
Bromoform
Concen: 1.793 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	460.1	24.1	72.2#
254	0.0	0.1	0.1#

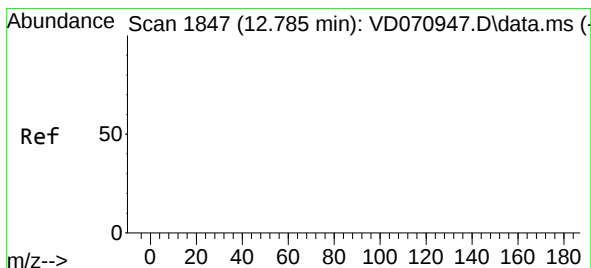
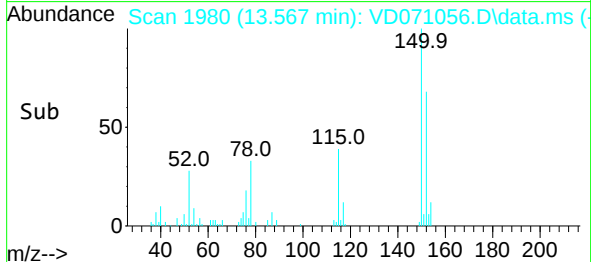
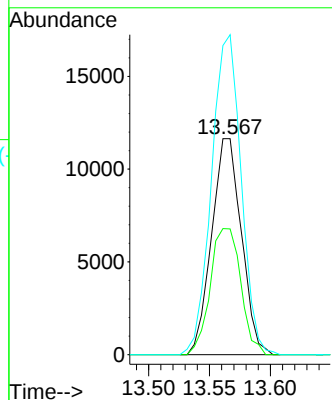
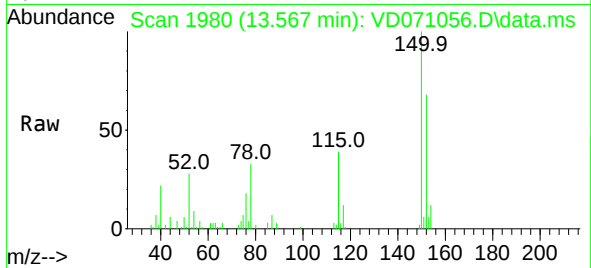




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

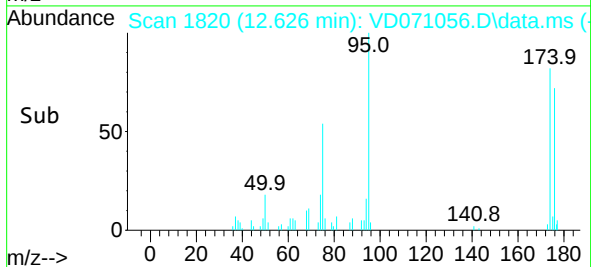
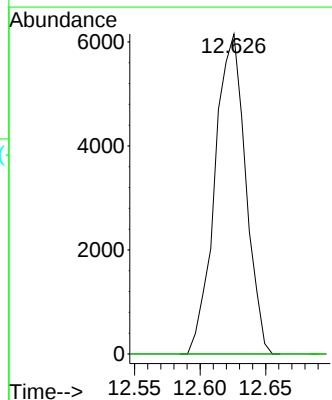
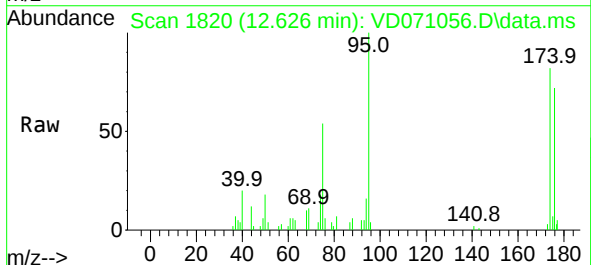
Instrument :
MSVOA_D
ClientSampleId :

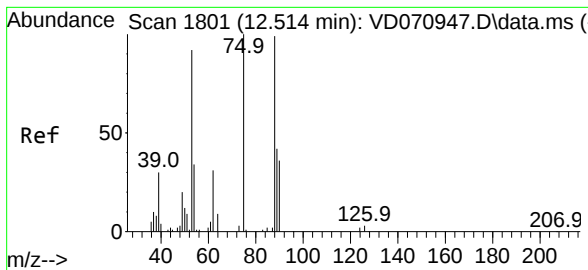
Tgt Ion:152 Resp: 19825
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.3
150 147.3 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 59.134 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD071056.D
Acq: 19 Nov 2021 15:00

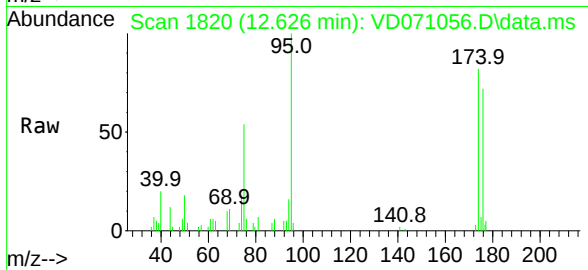
Tgt Ion: 75 Resp: 10014
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.622 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD071056.D
 Acq: 19 Nov 2021 15:00

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 10014
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

