

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071061.D
 Acq On : 19 Nov 2021 17:21
 Operator : VA/SY
 Sample : M4758-39
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:53:44 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)

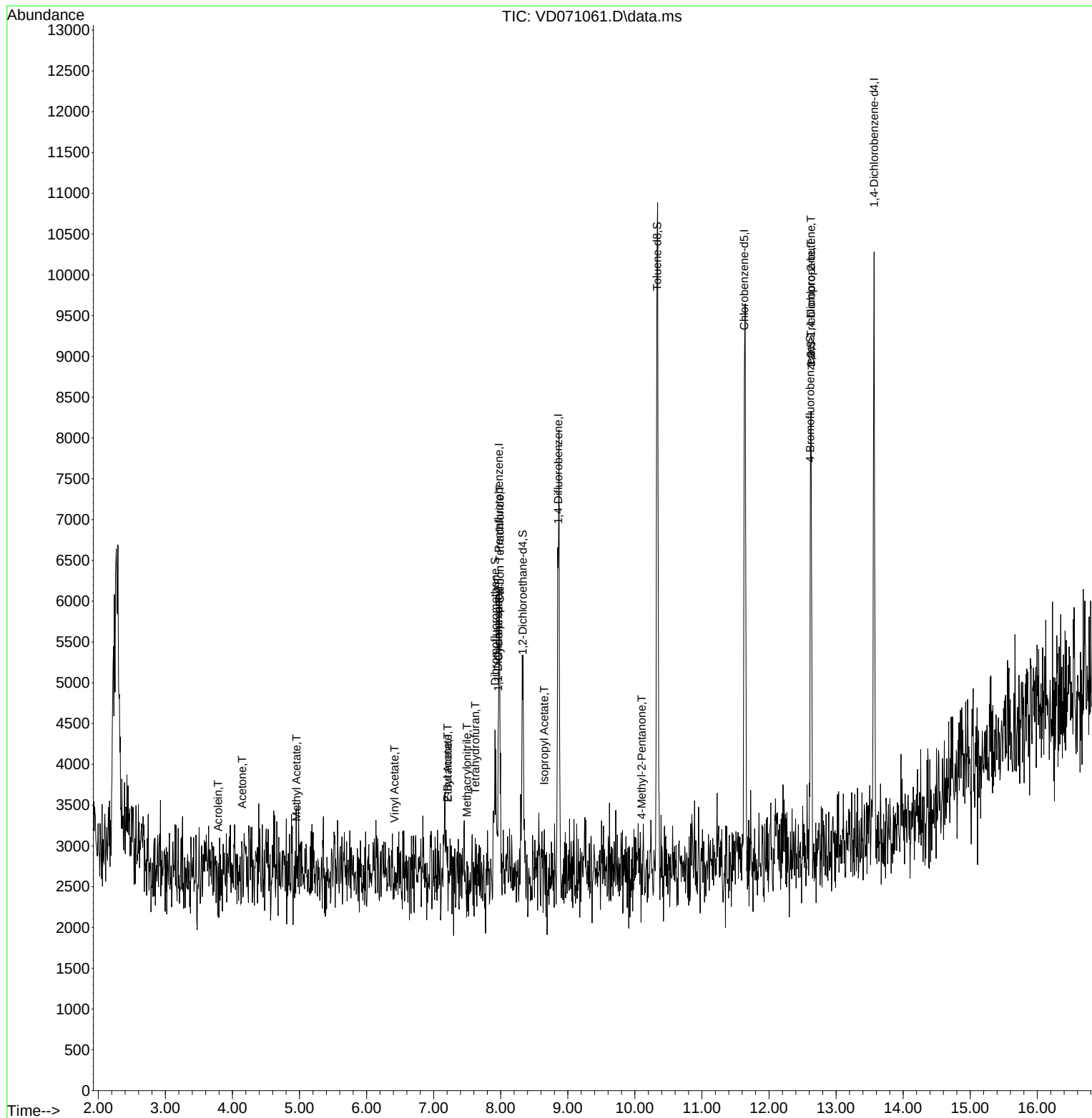
Internal Standards						
1) Pentafluorobenzene	7.973	168	2765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	4748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	4626	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	1959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	2266	76.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.940%	
35) Dibromofluoromethane	7.914	113	978	36.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.000%	
50) Toluene-d8	10.332	98	5705	54.373	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.614	95	1954	51.722	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.440%	
Target Compounds						Qvalue
13) Acrolein	3.785	56	56	81.549	ug/l #	13
16) Acetone	4.144	43	111	32.652	ug/l #	40
18) Methyl Acetate	4.956	43	112	4.435	ug/l #	51
23) Vinyl Acetate	6.414	43	56	21.866	ug/l #	72
25) 2-Butanone	7.209	43	67	26.357	ug/l #	45
29) Tetrahydrofuran	7.620	42	56	9.362	ug/l #	34
31) Cyclohexane	7.967	56	61	1.008	ug/l #	19
36) 1,1-Dichloropropene	7.961	75	68	1.604	ug/l #	41
37) Ethyl Acetate	7.209	43	67	3.464	ug/l #	66
38) Carbon Tetrachloride	7.985	117	75	1.921	ug/l #	12
41) Methacrylonitrile	7.497	41	54	7.033	ug/l #	12
43) Isopropyl Acetate	8.650	43	62	1.515	ug/l #	47
51) 4-Methyl-2-Pentanone	10.103	43	67	3.376	ug/l #	34
76) 1,2,3-Trichloropropane	12.626	75	1173	70.098	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1173	129.325	ug/l #	18

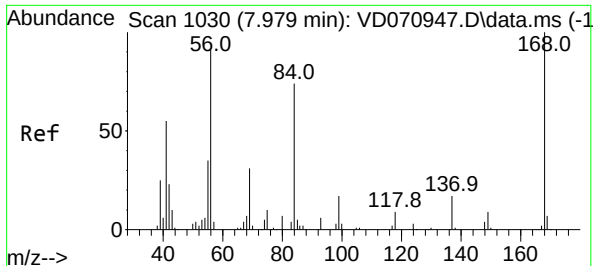
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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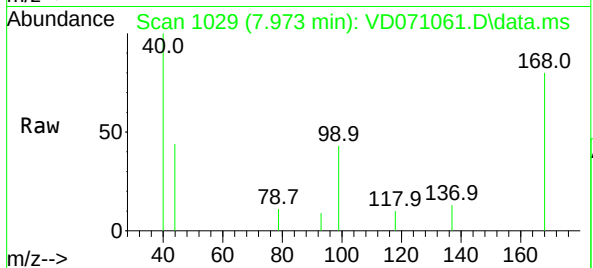
Quant Time: Nov 22 02:53:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



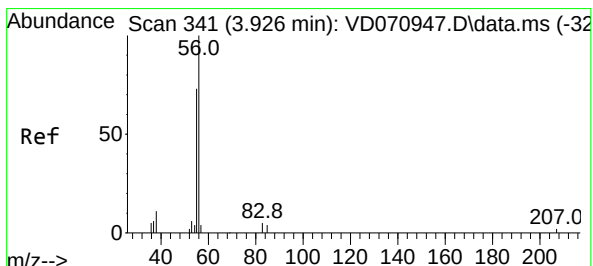
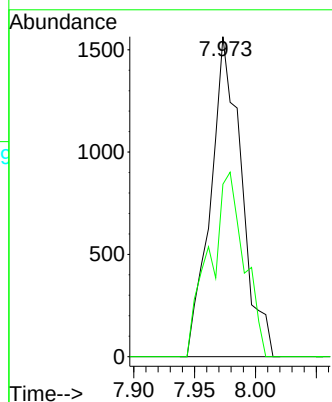
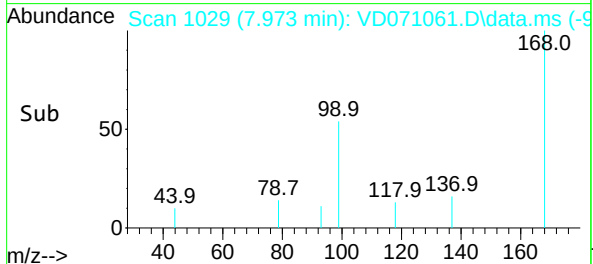


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

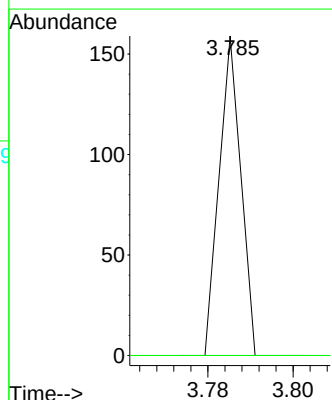
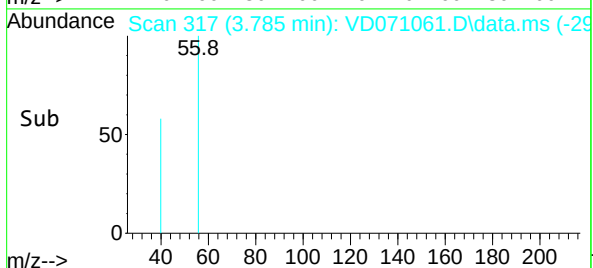
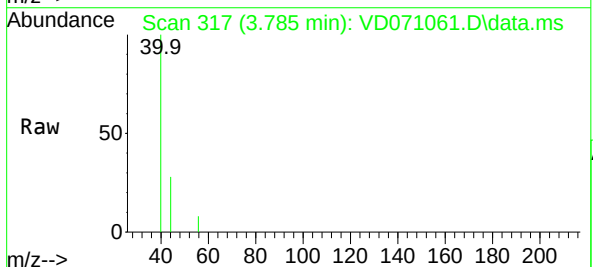


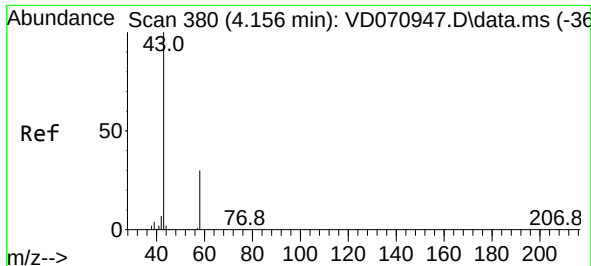
Tgt Ion:168 Resp: 2765
Ion Ratio Lower Upper
168 100
99 53.9 46.6 69.8



#13
Acrolein
Concen: 81.549 ug/l
RT: 3.785 min Scan# 317
Delta R.T. -0.141 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

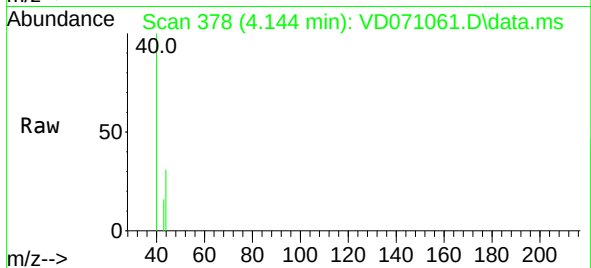
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



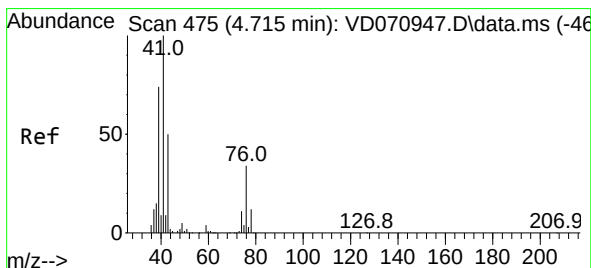
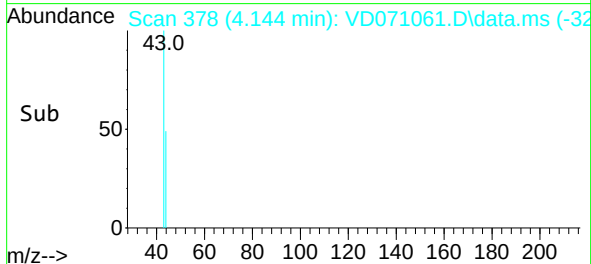
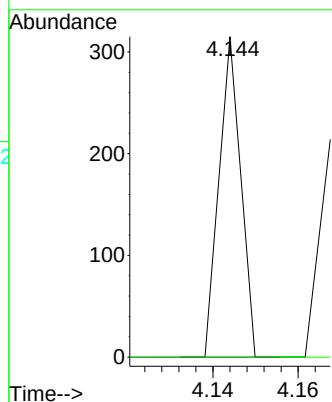


#16
Acetone
Concen: 32.652 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

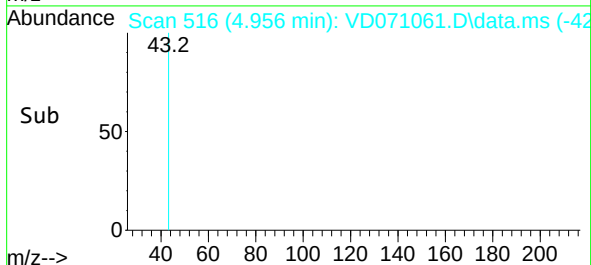
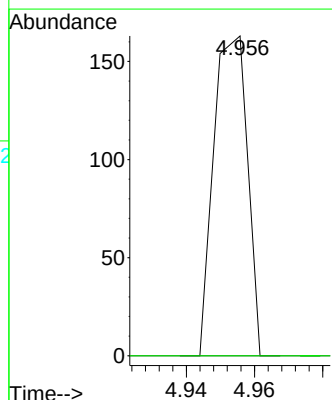
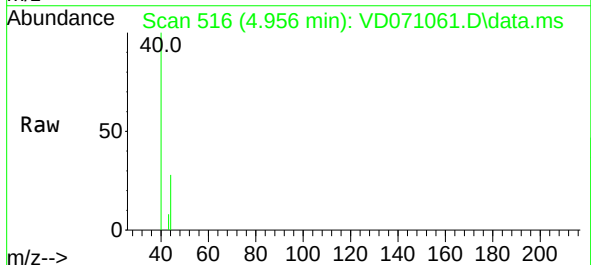


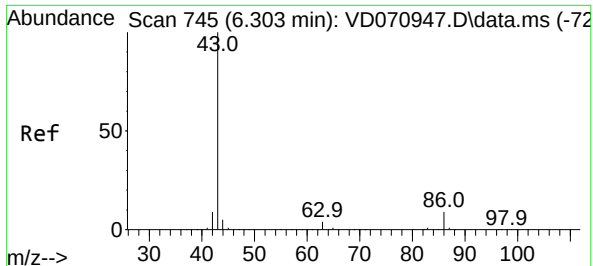
Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 4.435 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.241 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

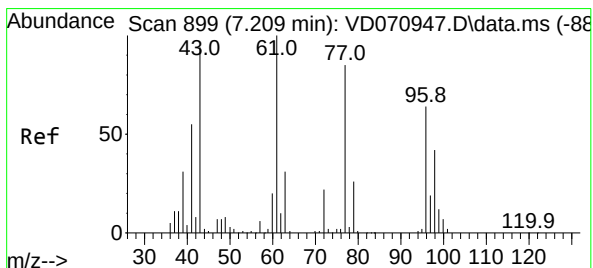
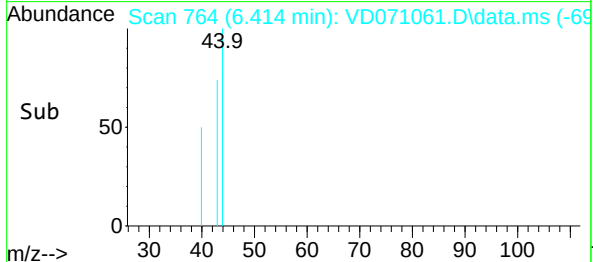
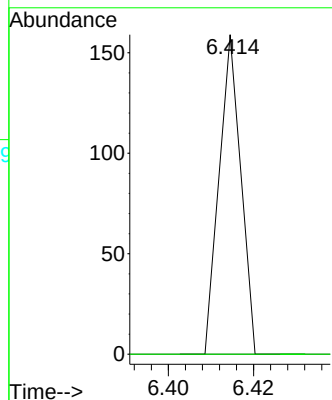
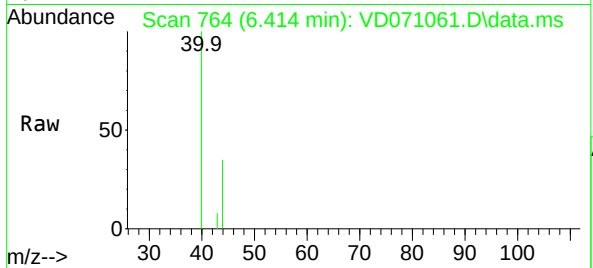




#23
 Vinyl Acetate
 Concen: 21.866 ug/l
 RT: 6.414 min Scan# 70
 Delta R.T. 0.111 min
 Lab File: VD071061.D
 Acq: 19 Nov 2021 17:21

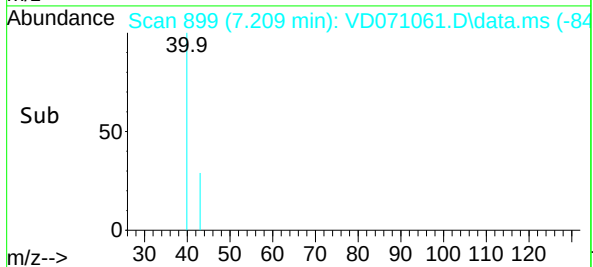
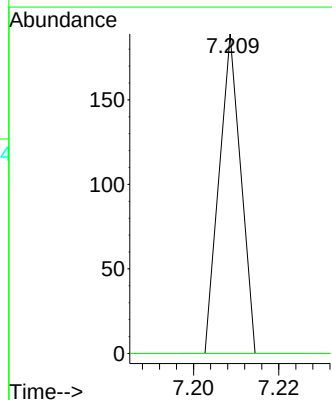
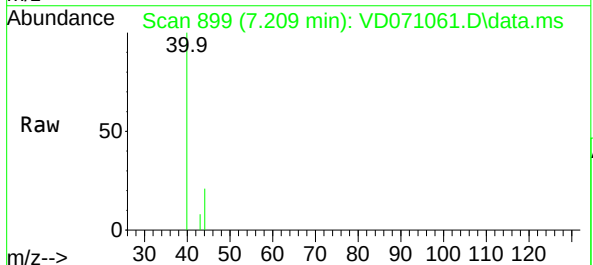
Instrument :
 MSVOA_D
 ClientSampleId :

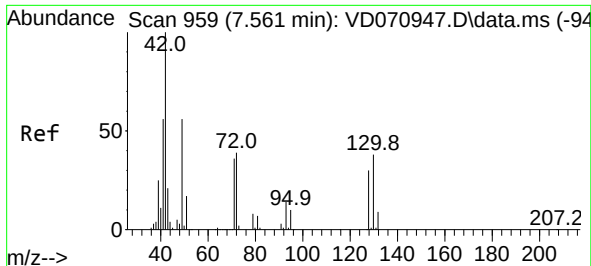
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 26.357 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.000 min
 Lab File: VD071061.D
 Acq: 19 Nov 2021 17:21

Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 9.362 ug/l

RT: 7.620 min Scan# 90

Delta R.T. 0.059 min

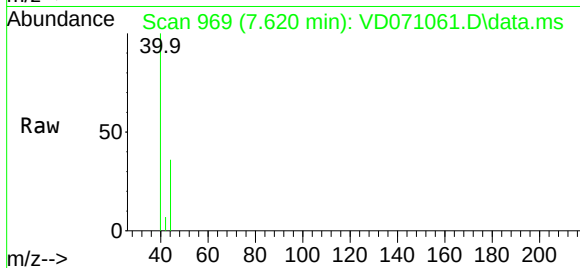
Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

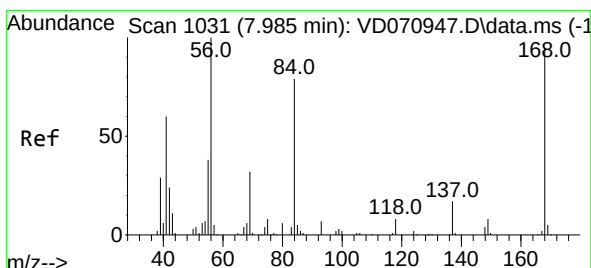
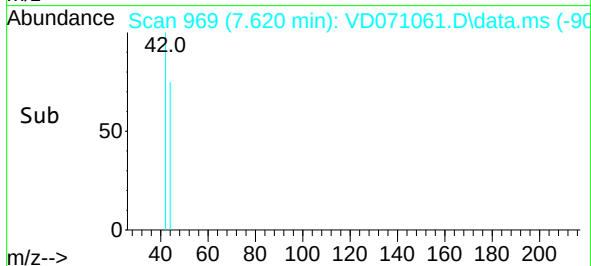
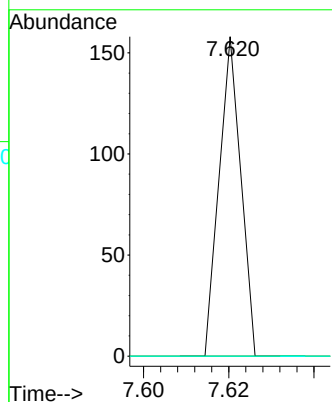
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 56
Ion Ratio	Lower Upper
42	100
72	0.0 33.7 50.5#
71	0.0 32.7 49.1#



#31

Cyclohexane

Concen: 1.008 ug/l

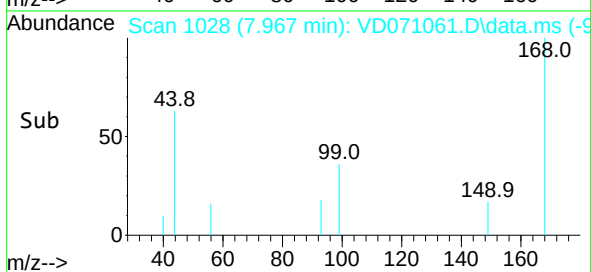
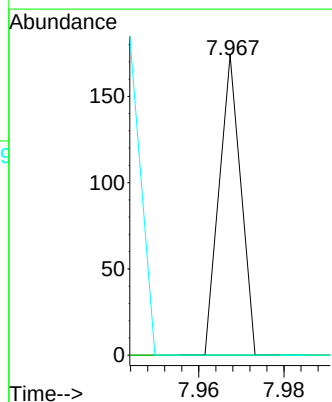
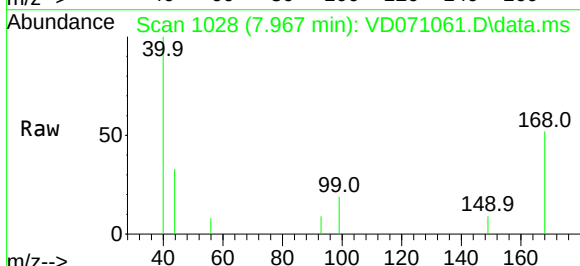
RT: 7.967 min Scan# 1028

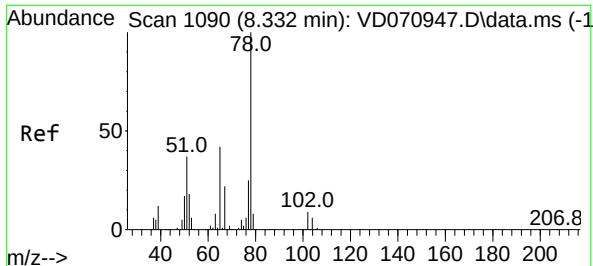
Delta R.T. -0.018 min

Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

Tgt Ion: 56	Resp: 61
Ion Ratio	Lower Upper
56	100
69	0.0 25.9 38.9#
84	0.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 76.972 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.006 min

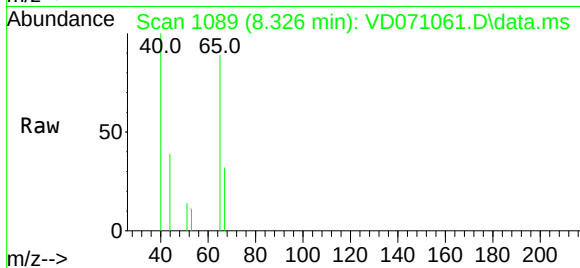
Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

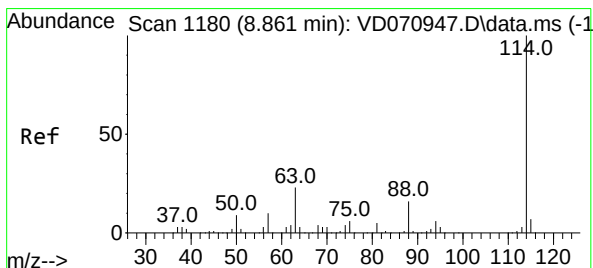
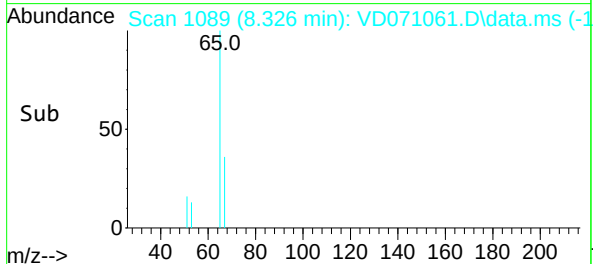
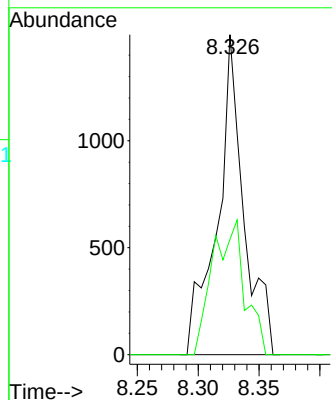


Tgt Ion: 65 Resp: 2266

Ion Ratio Lower Upper

65 100

67 51.1 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

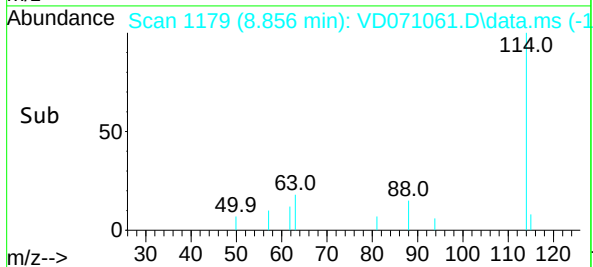
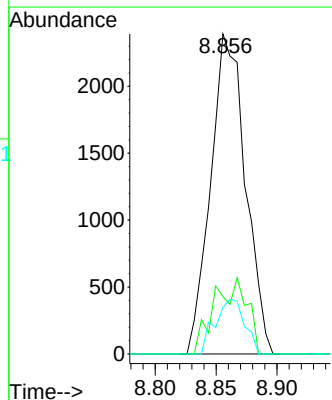
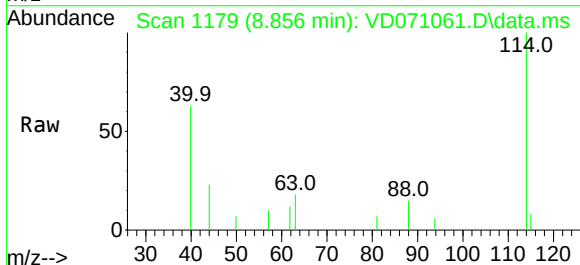
Tgt Ion: 114 Resp: 4748

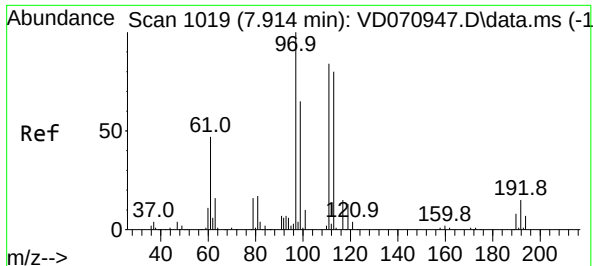
Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.8

88 14.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 36.503 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

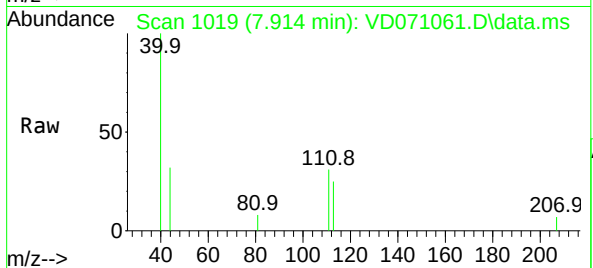
Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

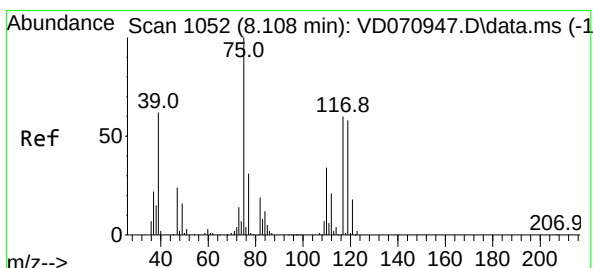
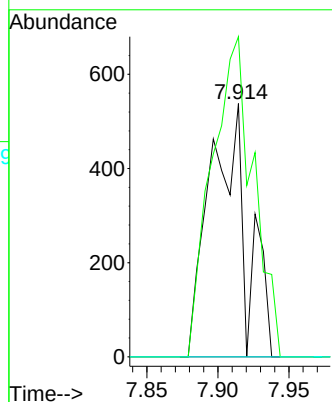
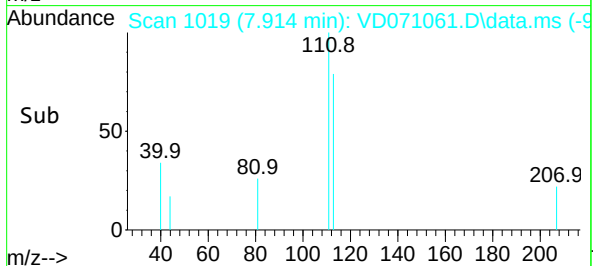
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	978
Ion	Ratio	Lower	Upper
113	100		
111	141.2	82.0	123.0#
192	0.0	15.2	22.8#



#36

1,1-Dichloropropene

Concen: 1.604 ug/l

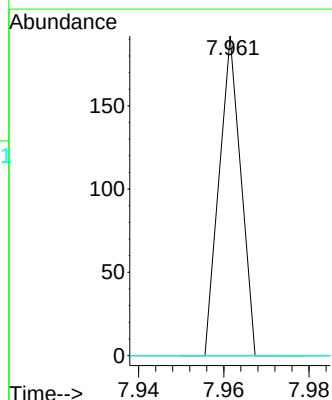
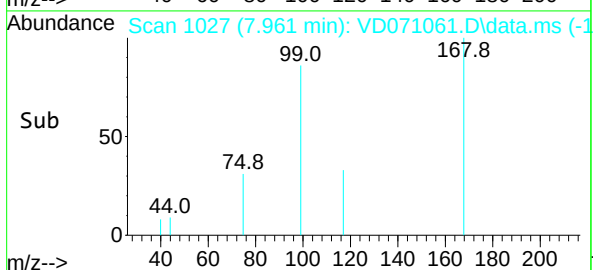
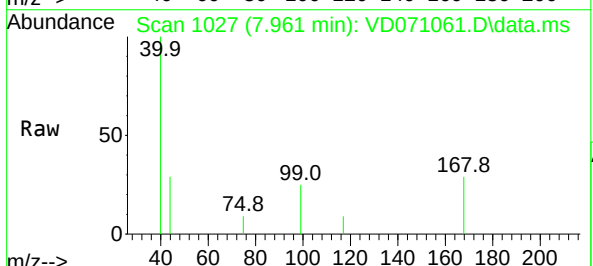
RT: 7.961 min Scan# 1027

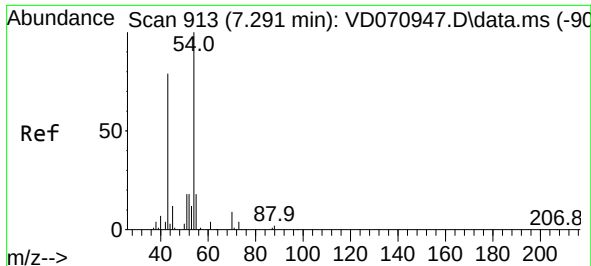
Delta R.T. -0.147 min

Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

Tgt Ion:	75	Resp:	68
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 3.464 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.082 min

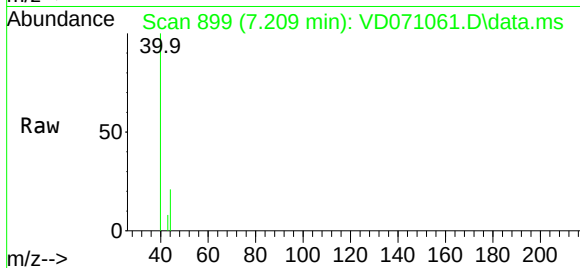
Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :



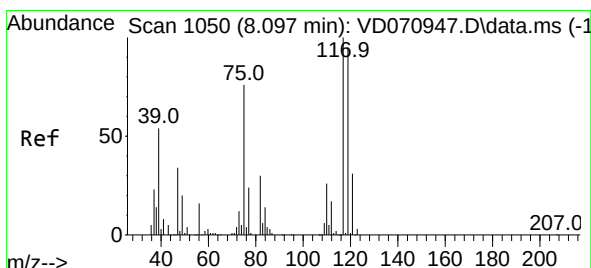
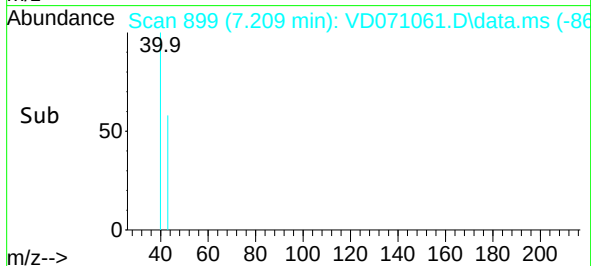
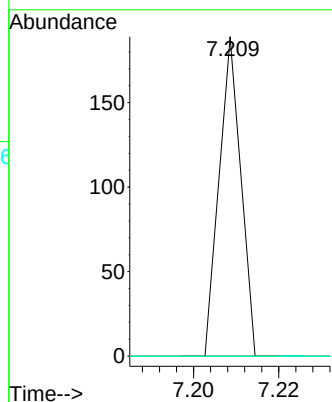
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 1.921 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

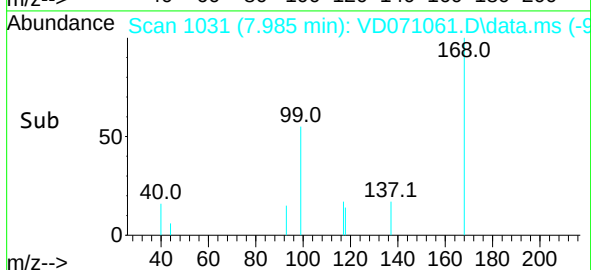
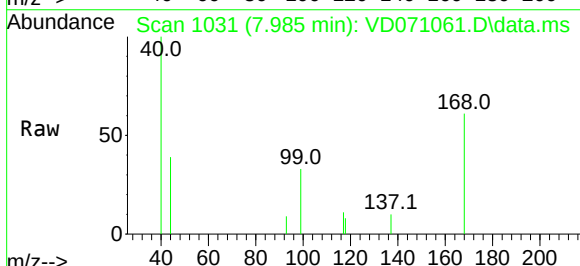
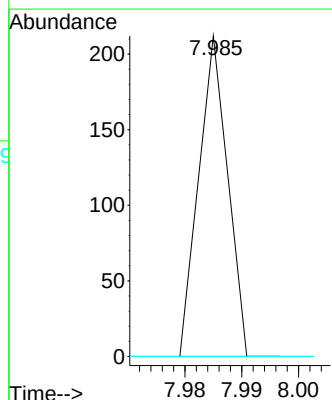
Tgt Ion: 117 Resp: 75

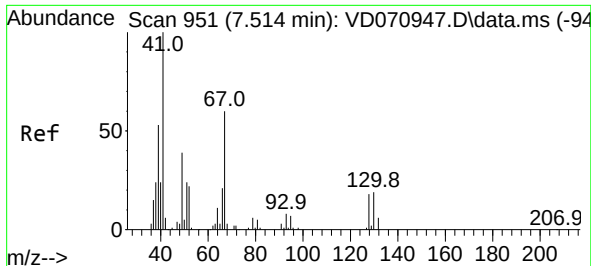
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

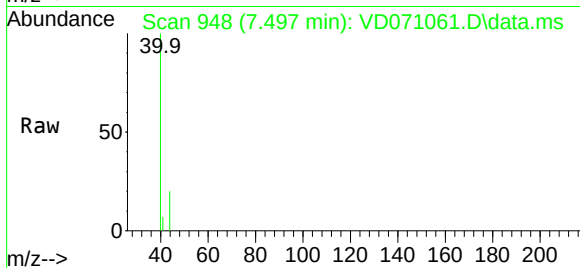
121 0.0 23.6 35.4#



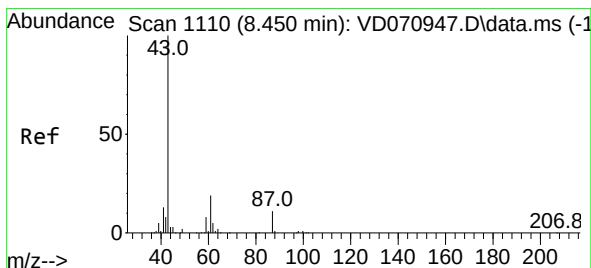
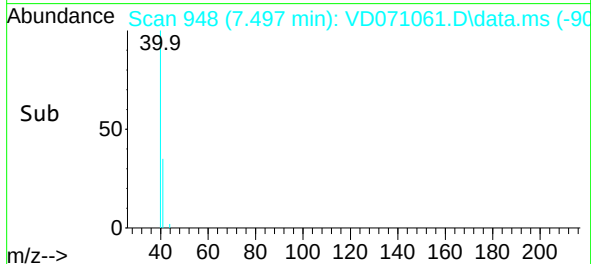
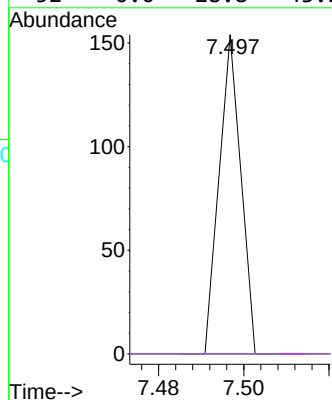


#41
Methacrylonitrile
Concen: 7.033 ug/l
RT: 7.497 min Scan# 94
Delta R.T. -0.017 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

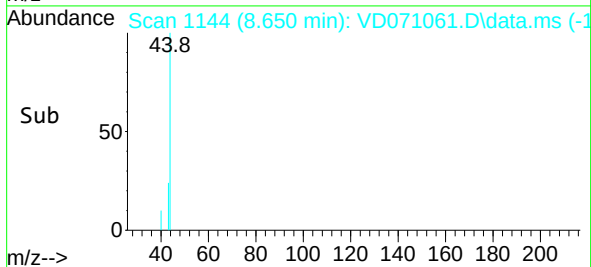
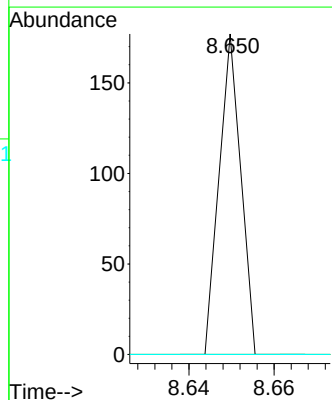
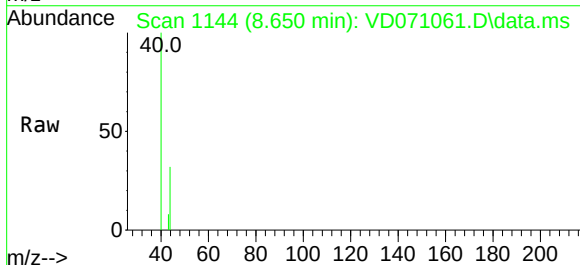


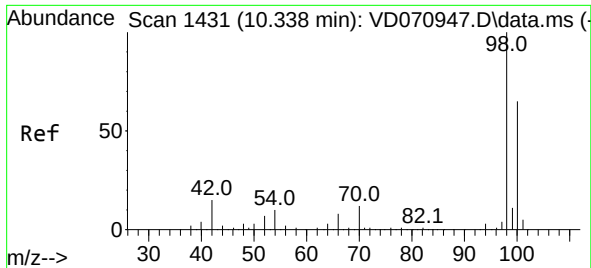
Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#43
Isopropyl Acetate
Concen: 1.515 ug/l
RT: 8.650 min Scan# 1144
Delta R.T. 0.200 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#

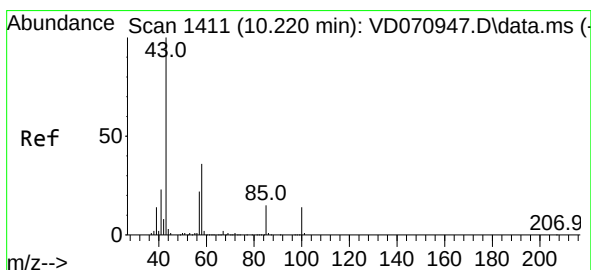
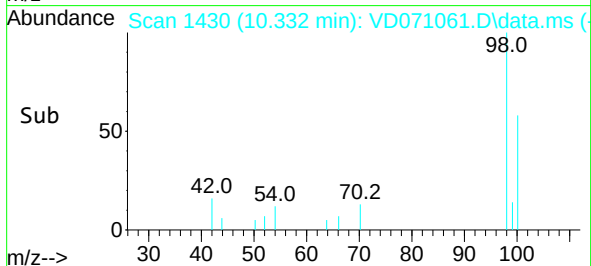
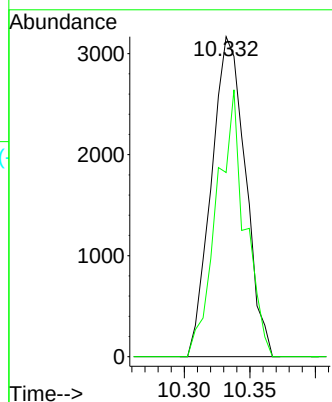
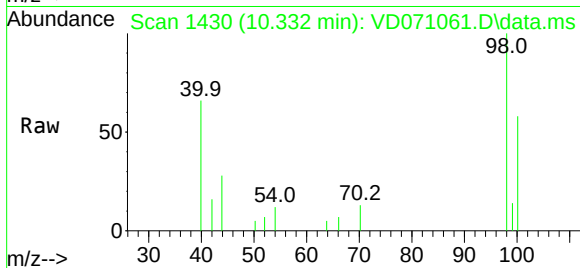




#50
Toluene-d8
Concen: 54.373 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

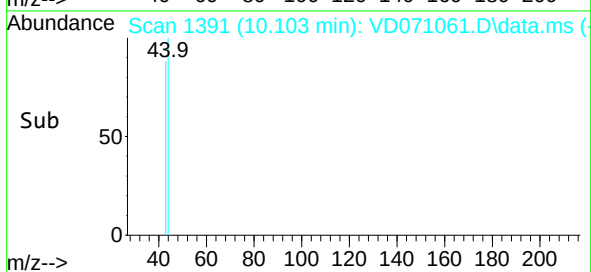
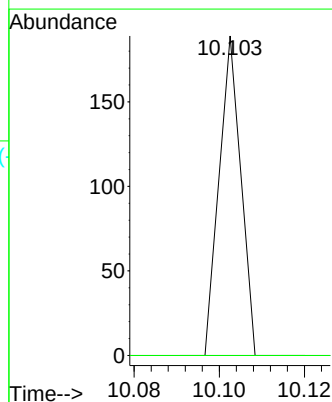
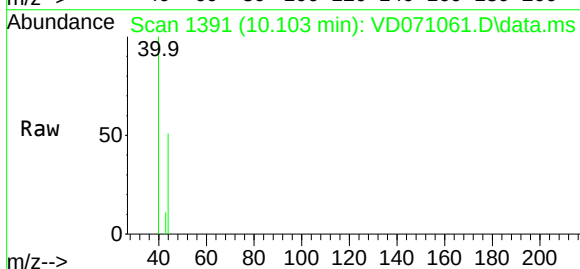
Instrument :
MSVOA_D
ClientSampleId :

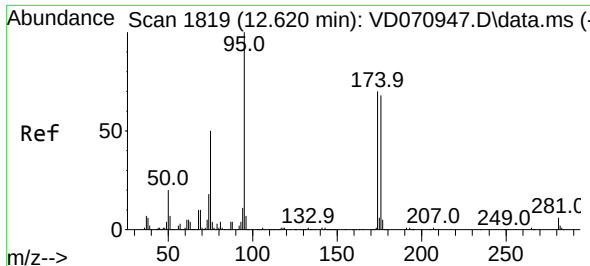
Tgt Ion: 98 Resp: 5705
Ion Ratio Lower Upper
98 100
100 69.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.376 ug/l
RT: 10.103 min Scan# 1391
Delta R.T. -0.117 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

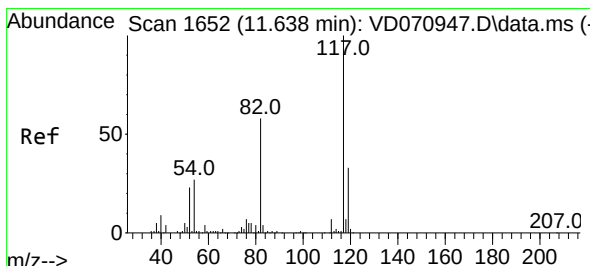
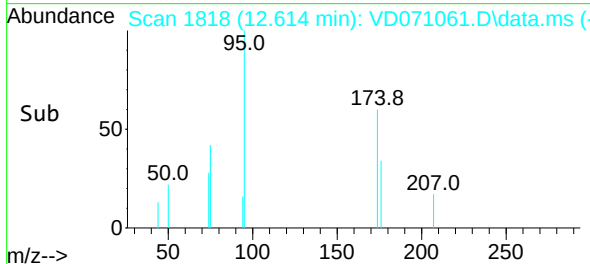
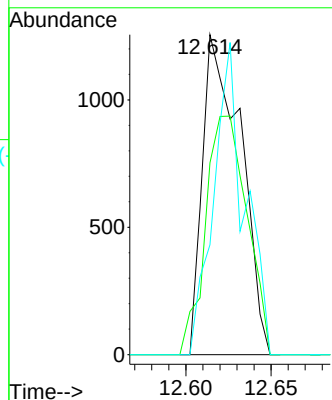
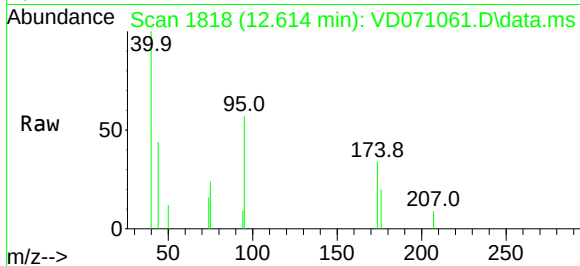




#62
4-Bromofluorobenzene
Concen: 51.722 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

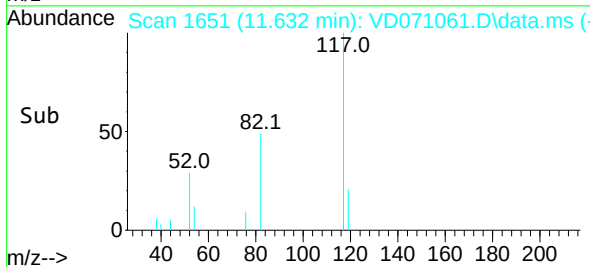
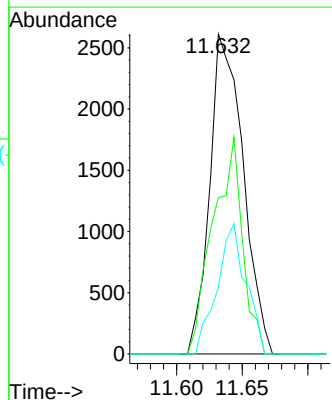
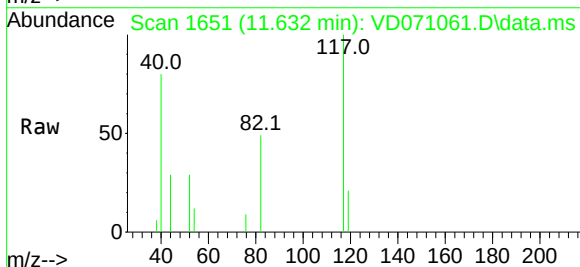
Instrument :
MSVOA_D
ClientSampleId :

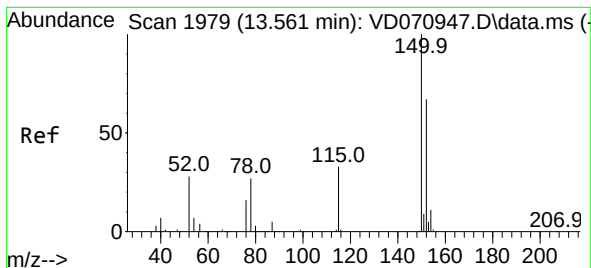
Tgt Ion: 95 Resp: 1954
Ion Ratio Lower Upper
95 100
174 81.1 0.0 159.4
176 79.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD071061.D
Acq: 19 Nov 2021 17:21

Tgt Ion: 117 Resp: 4626
Ion Ratio Lower Upper
117 100
82 48.9 44.7 67.1
119 20.9 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

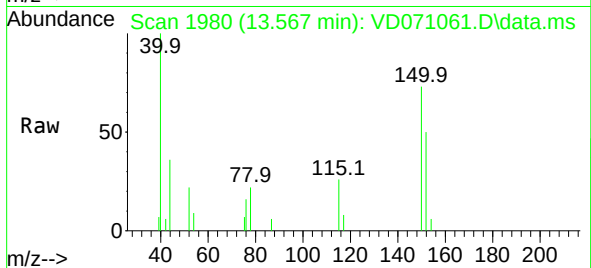
Lab File: VD071061.D

Acq: 19 Nov 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :



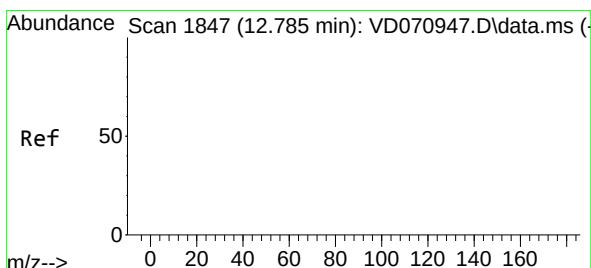
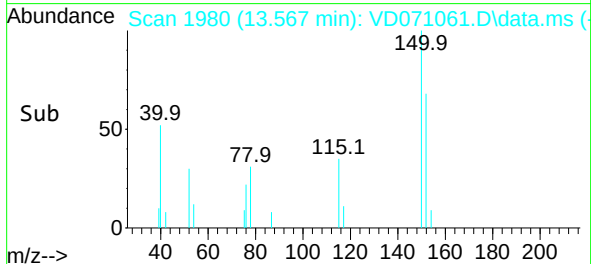
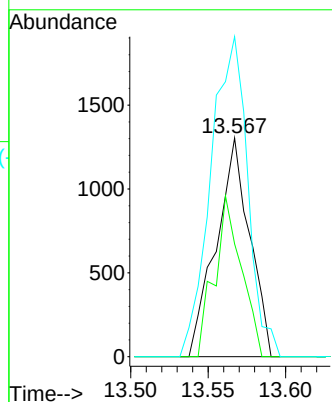
Tgt Ion:152 Resp: 1959

Ion Ratio Lower Upper

152 100

115 58.7 29.8 89.3

150 161.1 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 70.098 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.159 min

Lab File: VD071061.D

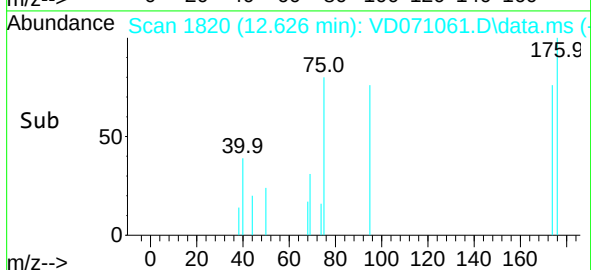
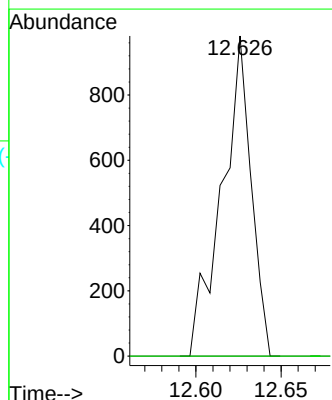
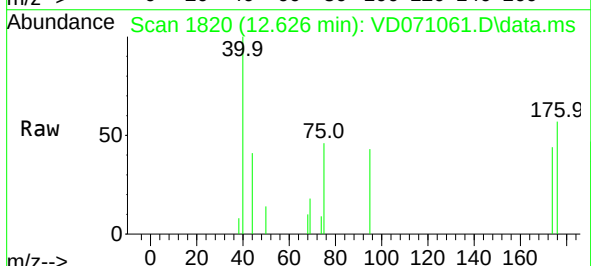
Acq: 19 Nov 2021 17:21

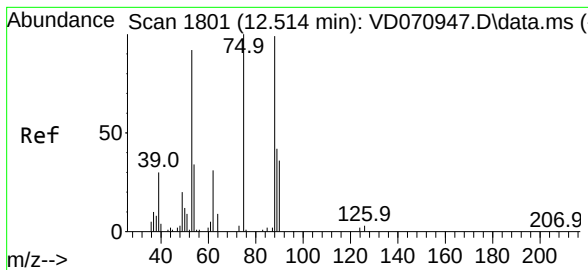
Tgt Ion: 75 Resp: 1173

Ion Ratio Lower Upper

75 100

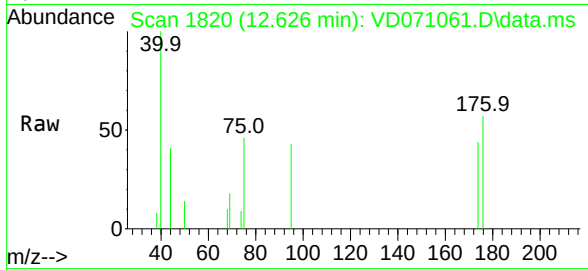
77 0.0 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.325 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD071061.D
 Acq: 19 Nov 2021 17:21

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 1173
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

