Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
Data File : VD071117.D
Acq On : 02 Dec 2021 14:48
Operator : VA/SY
Sample : M4893-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 03 00:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.997	168	148	50.00	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.873	114	756	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.638	117	78	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	60	34.55	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 69.10%			
35) Dibromofluoromethane	7.902	113	158	32.82	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 65.64%			
50) Toluene-d8	10.326	98	804	43.89	ug/l	-0.01
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.78%			
62) 4-Bromofluorobenzene	0.000	95	0	0.00	ug/l	
Spiked Amount 50.000	Range 25 - 144		Recovery = 0.00%#			
Target Compounds						Qvalue
3) Chloromethane	2.226	50	60	35.93	ug/l #	42
6) Chloroethane	2.903	64	71	55.42	ug/l #	39
12) 1,1-Dichloroethene	4.144	96	71	51.68	ug/l #	1
13) Acrolein	3.950	56	64	539.29	ug/l #	13
14) Allyl chloride	4.750	41	59	22.61	ug/l #	28
15) Acrylonitrile	5.491	53	56	168.32	ug/l #	19
16) Acetone	4.179	43	137	291.29	ug/l #	40
17) Carbon Disulfide	4.620	76	53	13.18	ug/l #	73
18) Methyl Acetate	4.709	43	57	44.49	ug/l #	51
20) Methylene Chloride	4.903	84	63	34.67	ug/l #	7
22) Diisopropyl ether	6.385	45	71	13.58	ug/l #	40
23) Vinyl Acetate	6.320	43	71	49.59	ug/l #	72
25) 2-Butanone	7.226	43	237	422.87	ug/l #	45
26) 2,2-Dichloropropane	7.208	77	55	20.11	ug/l #	52
29) Tetrahydrofuran	7.573	42	61	221.21	ug/l #	34
31) Cyclohexane	7.844	56	58	19.63	ug/l #	19
32) 1,1,1-Trichloroethane	7.979	97	55	20.30	ug/l #	1
36) 1,1-Dichloropropene	7.955	75	55	7.78	ug/l #	41
37) Ethyl Acetate	7.226	43	237	77.65	ug/l #	78
39) Methylcyclohexane	9.361	83	133	15.65	ug/l #	16
41) Methacrylonitrile	7.355	41	54	39.00	ug/l #	12
43) Isopropyl Acetate	8.450	43	65	13.89	ug/l #	47
46) Dibromomethane	9.444	93	64	24.44	ug/l #	4
48) Methyl methacrylate	9.479	41	61	20.42	ug/l #	4
51) 4-Methyl-2-Pentanone	10.208	43	55	44.67	ug/l #	34
56) Ethyl methacrylate	10.779	69	55	15.76	ug/l #	28
59) 2-Hexanone	10.991	43	70	57.83	ug/l #	22
67) Ethyl Benzene	11.743	91	196	71.94	ug/l #	44
69) o-Xylene	12.126	106	56	57.93	ug/l #	1

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

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Instrument :
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Quant Time: Dec 03 00:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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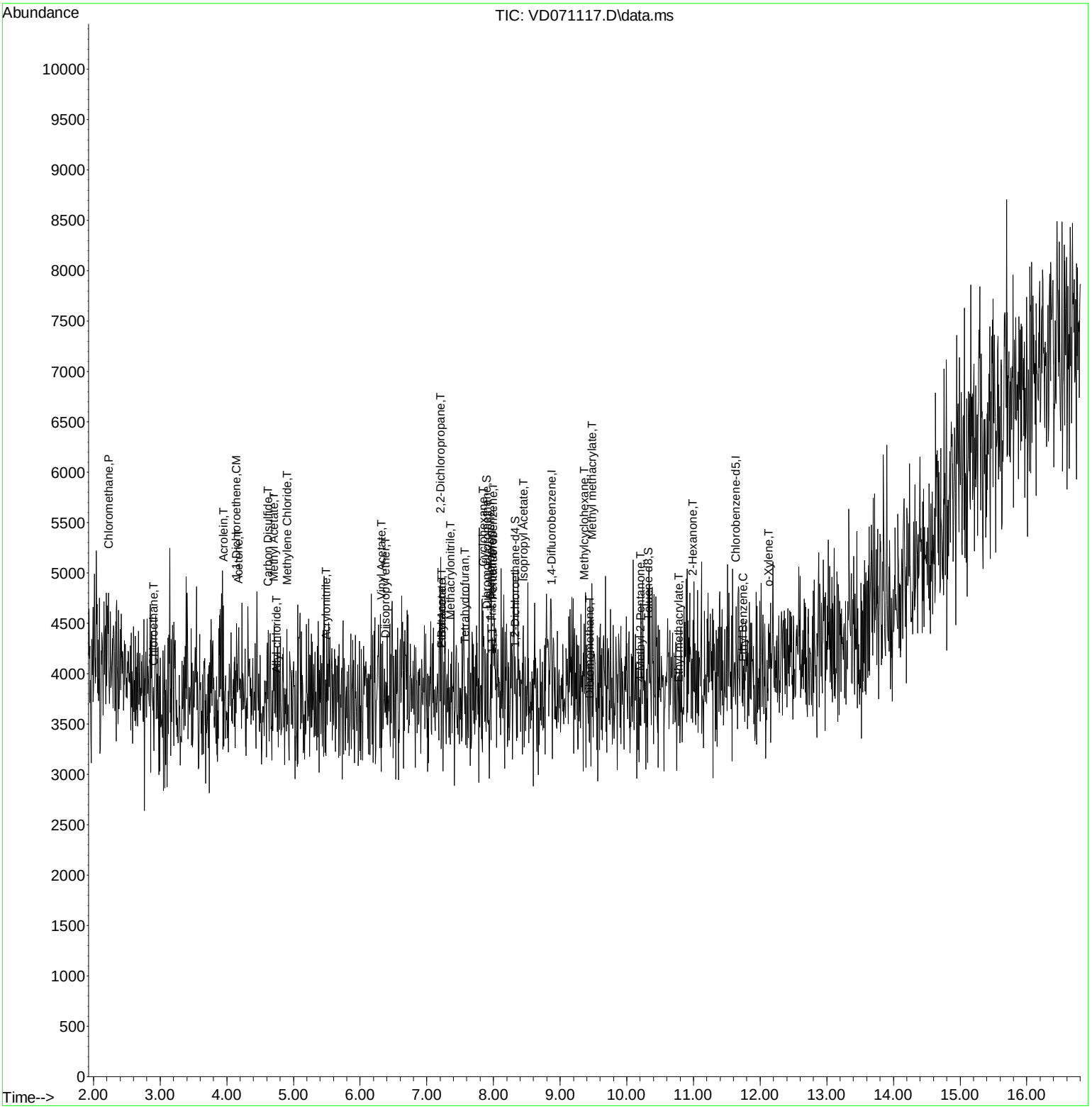
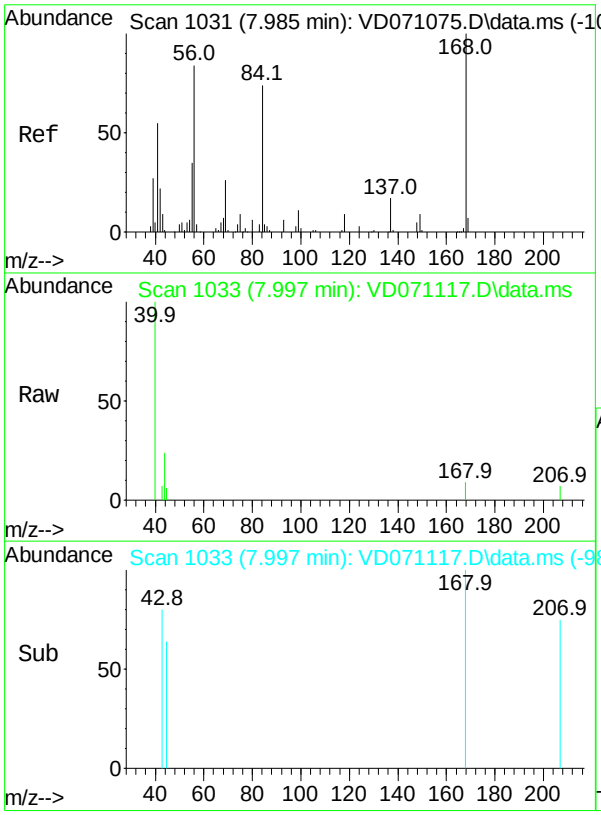


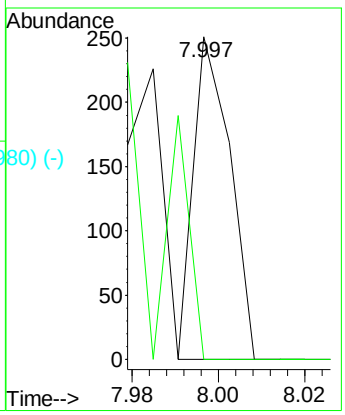


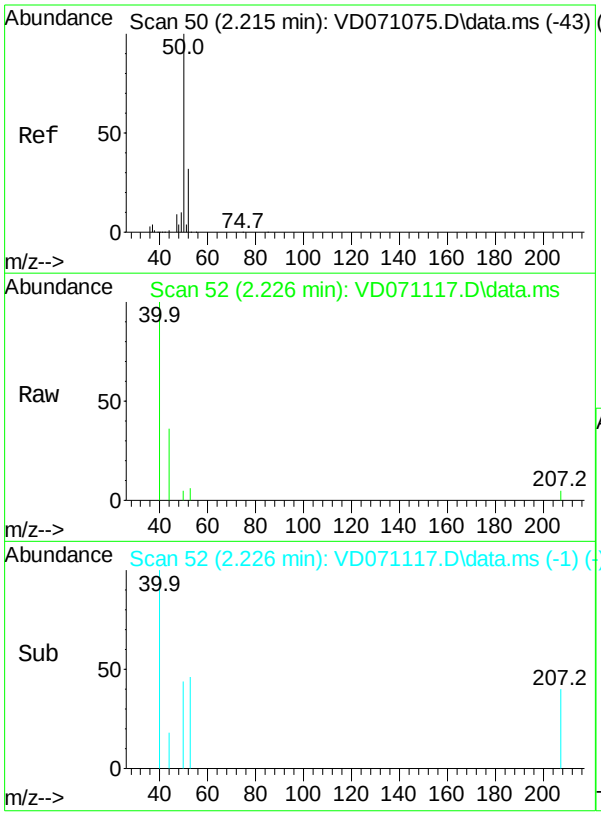
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.997 min Scan# 1
Delta R.T. 0.012 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 148

Ion	Ratio	Lower	Upper
168	100		
99	0.0	46.6	69.8#

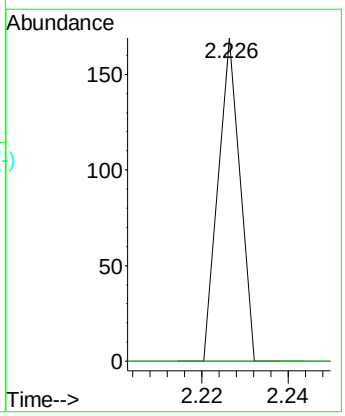


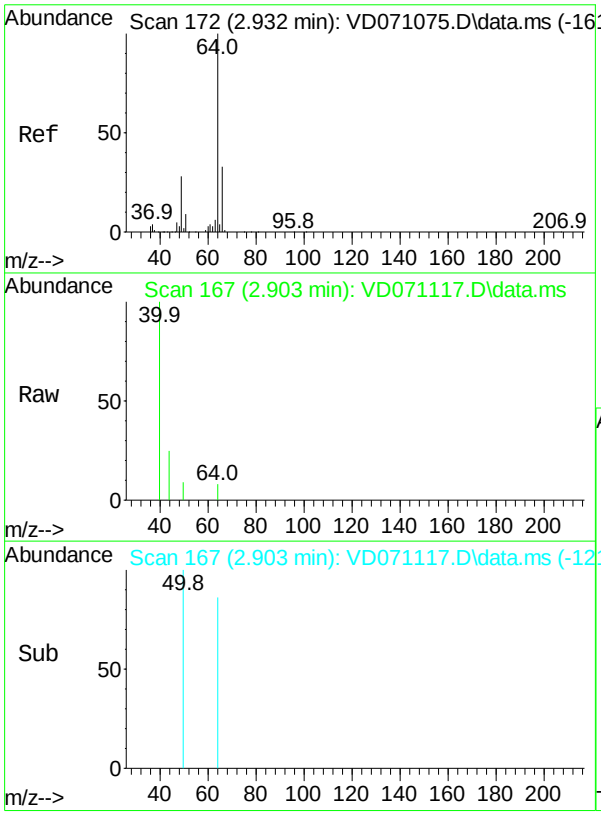


#3
Chloromethane
Concen: 35.93 ug/l
RT: 2.226 min Scan# 52
Delta R.T. 0.011 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 50 Resp: 60

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.8	38.8#



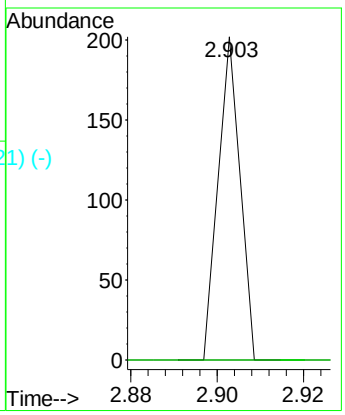


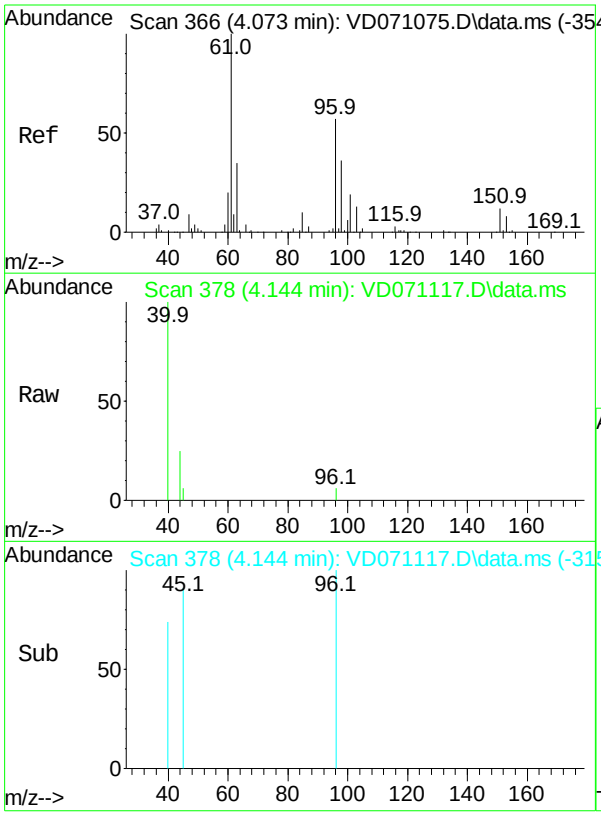
#6
Chloroethane
Concen: 55.42 ug/l
RT: 2.903 min Scan# 1
Delta R.T. -0.029 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 64 Resp: 71

Ion	Ratio	Lower	Upper
64	100		
66	0.0	29.0	43.4#

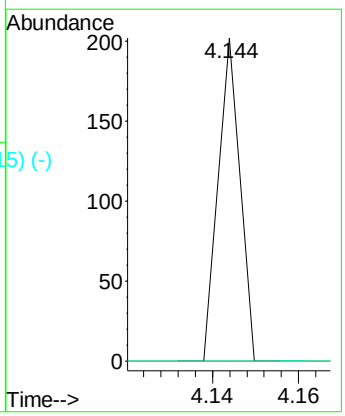


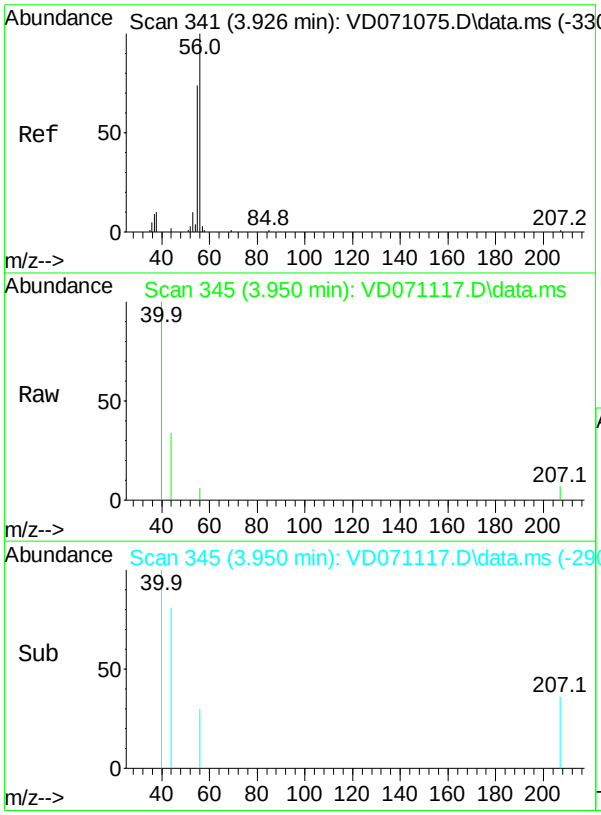


#12
1,1-Dichloroethene
Concen: 51.68 ug/l
RT: 4.144 min Scan# 378
Delta R.T. 0.071 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 96 Resp: 71

Ion	Ratio	Lower	Upper
96	100		
61	0.0	120.3	180.5#
98	0.0	54.4	81.6#



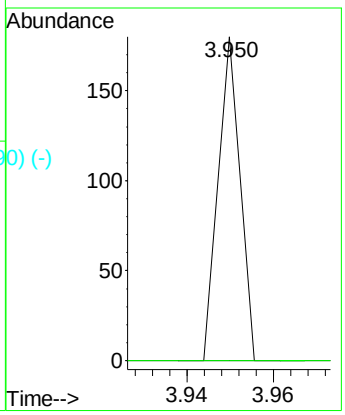


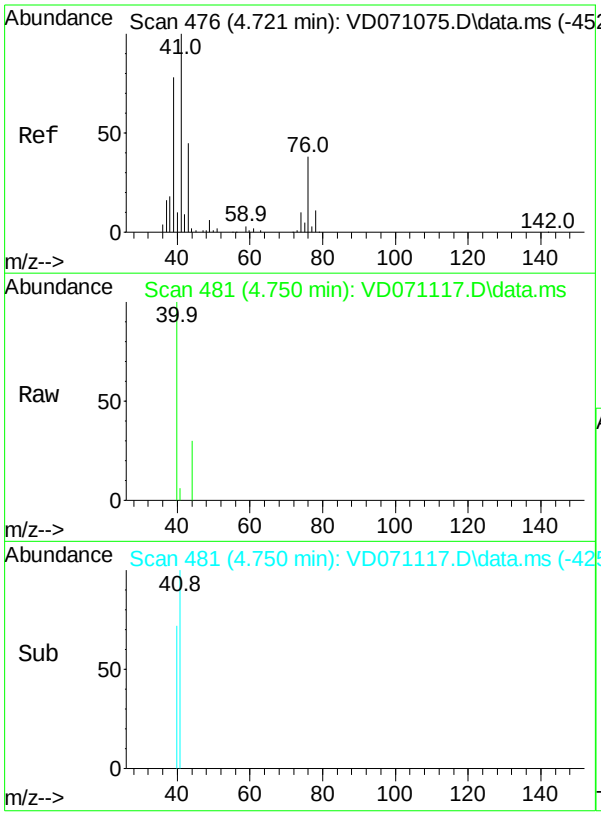
#13
Acrolein
Concen: 539.29 ug/l
RT: 3.950 min Scan# 1
Delta R.T. 0.024 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 64

Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.6	87.8#

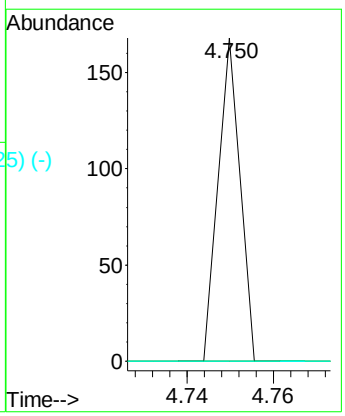


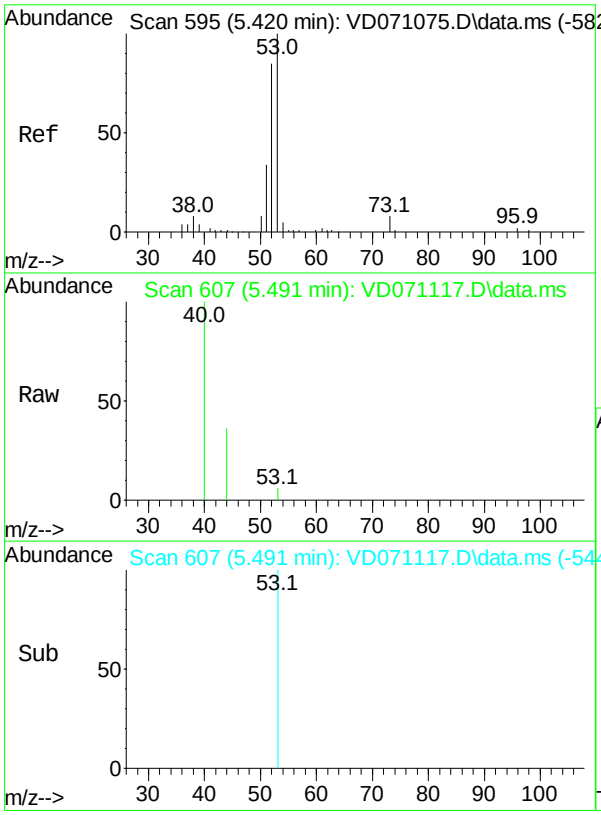


#14
Allyl chloride
Concen: 22.61 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.029 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 41 Resp: 59

Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.6	68.4#
76	0.0	30.2	45.4#



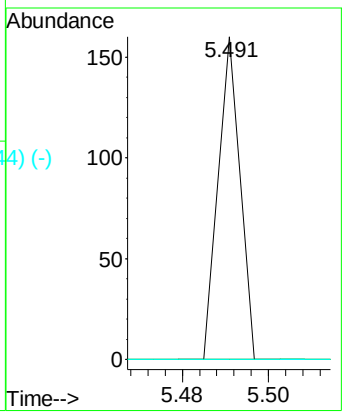


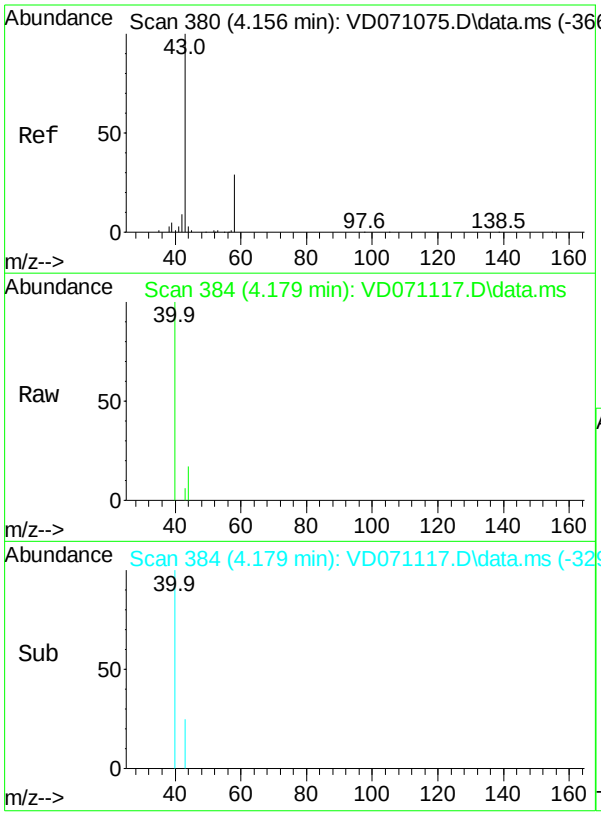
#15
Acrylonitrile
Concen: 168.32 ug/l
RT: 5.491 min Scan# 6
Delta R.T. 0.071 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 53 Resp: 56

Ion	Ratio	Lower	Upper
53	100		
52	0.0	63.8	95.8#
51	0.0	28.5	42.7#

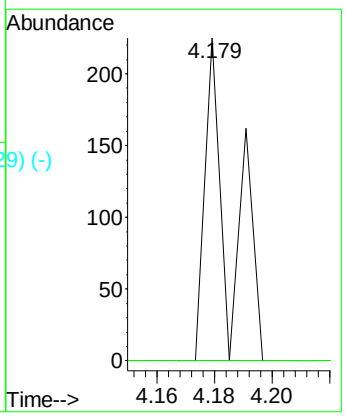


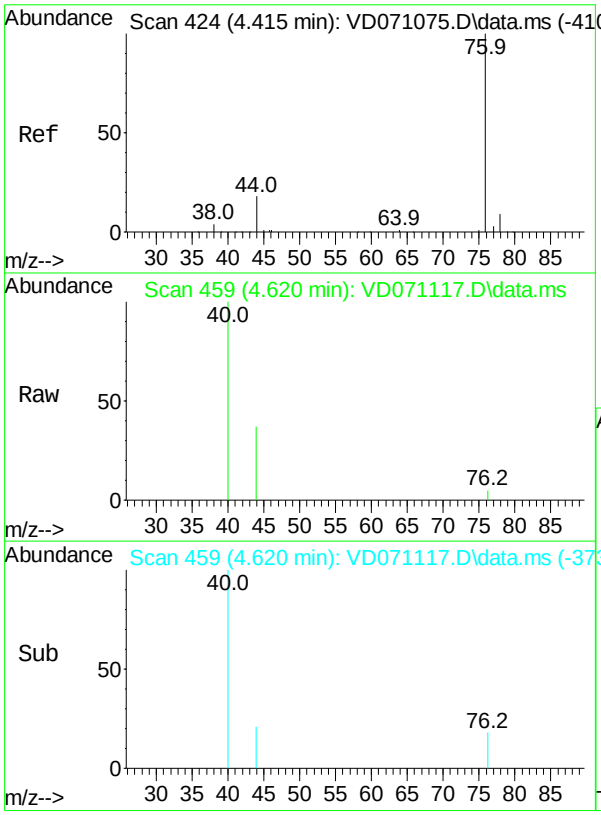


#16
Acetone
Concen: 291.29 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 43 Resp: 137

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



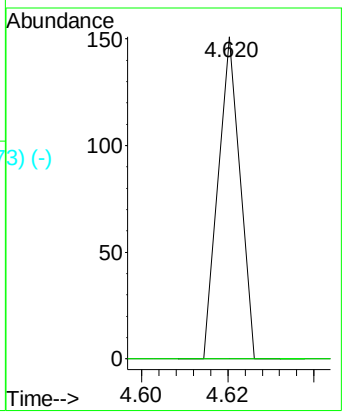


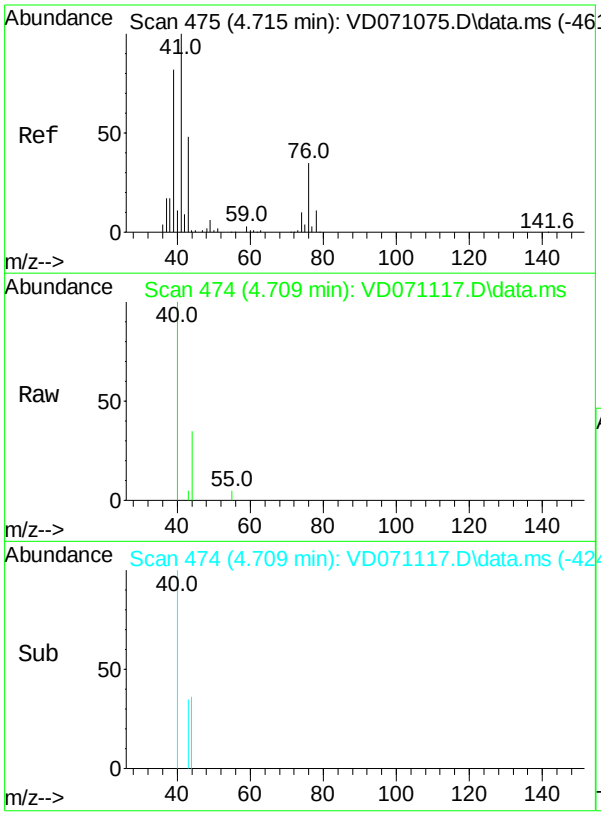
#17
Carbon Disulfide
Concen: 13.18 ug/l
RT: 4.620 min Scan# 4
Delta R.T. 0.205 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 76 Resp: 53

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.8	11.8#

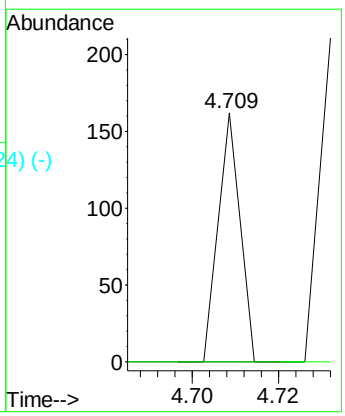


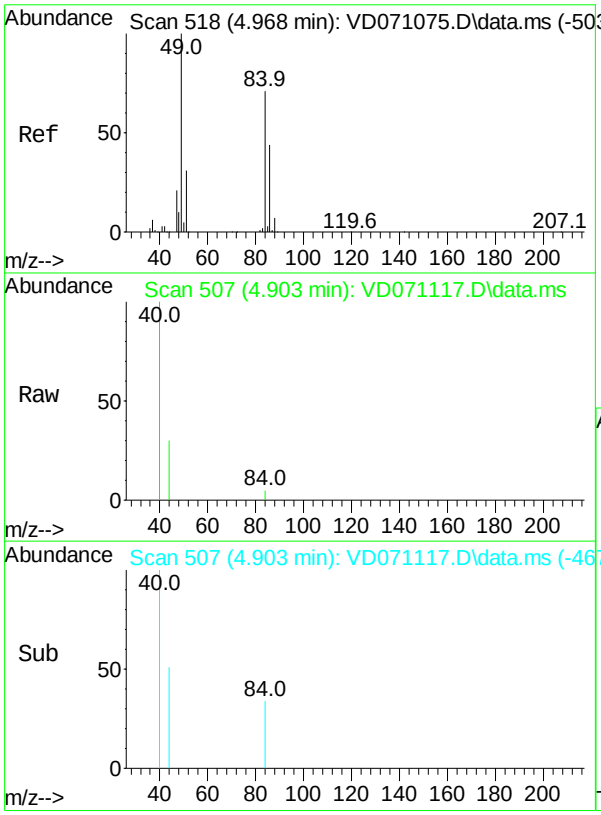


#18
Methyl Acetate
Concen: 44.49 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 43 Resp: 57

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.3	28.9#



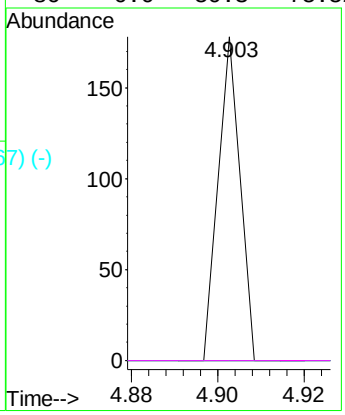


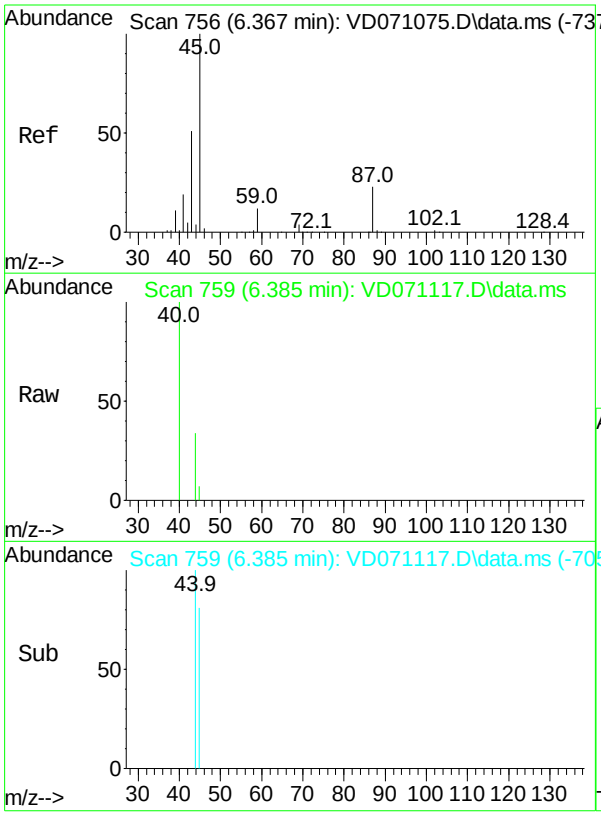
#20
Methylene Chloride
Concen: 34.67 ug/l
RT: 4.903 min Scan# 5
Delta R.T. -0.065 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 63

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

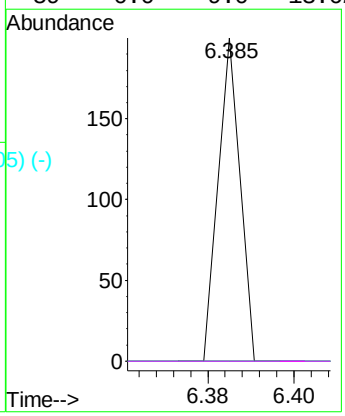


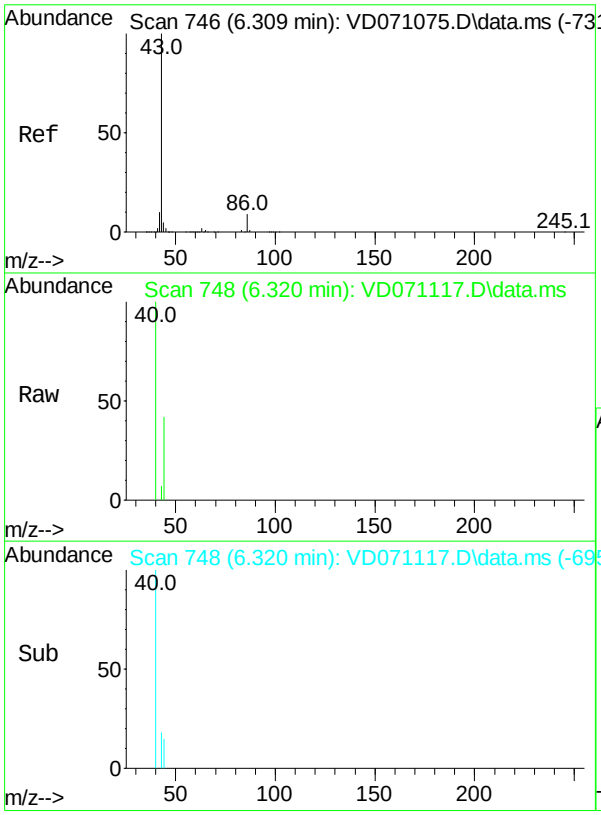


#22
Diisopropyl ether
Concen: 13.58 ug/l
RT: 6.385 min Scan# 759
Delta R.T. 0.018 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 45 Resp: 71

Ion	Ratio	Lower	Upper
45	100		
43	0.0	39.6	59.4#
87	0.0	21.2	31.8#
59	0.0	9.0	13.6#



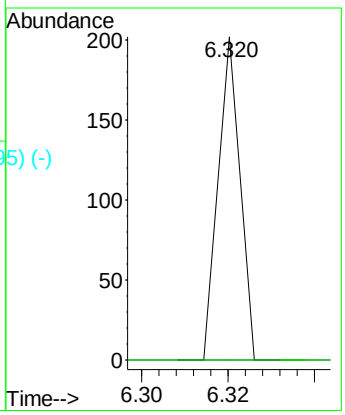


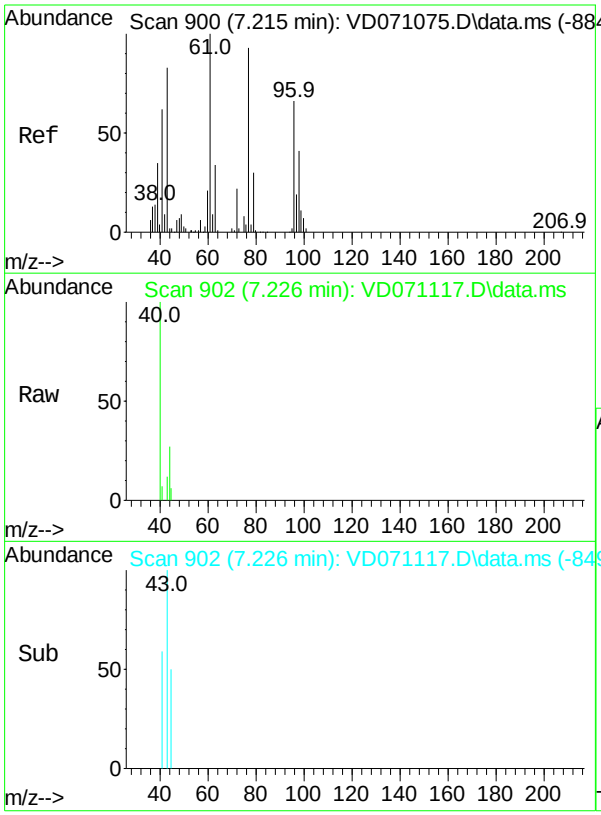
#23
Vinyl Acetate
Concen: 49.59 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 71

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

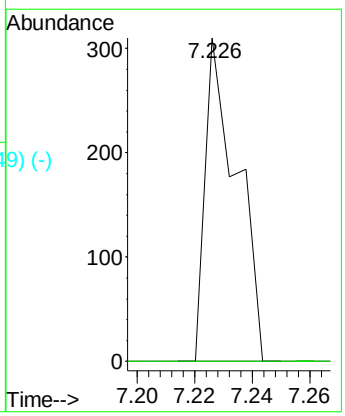


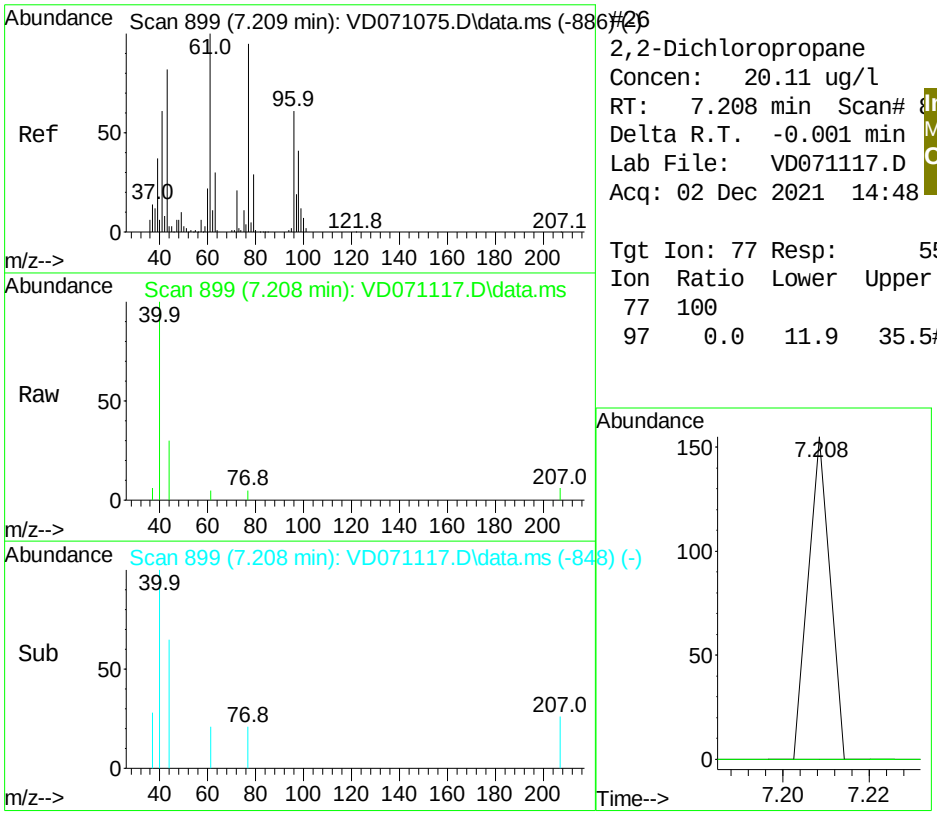


#25
2-Butanone
Concen: 422.87 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.011 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 43 Resp: 237

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#



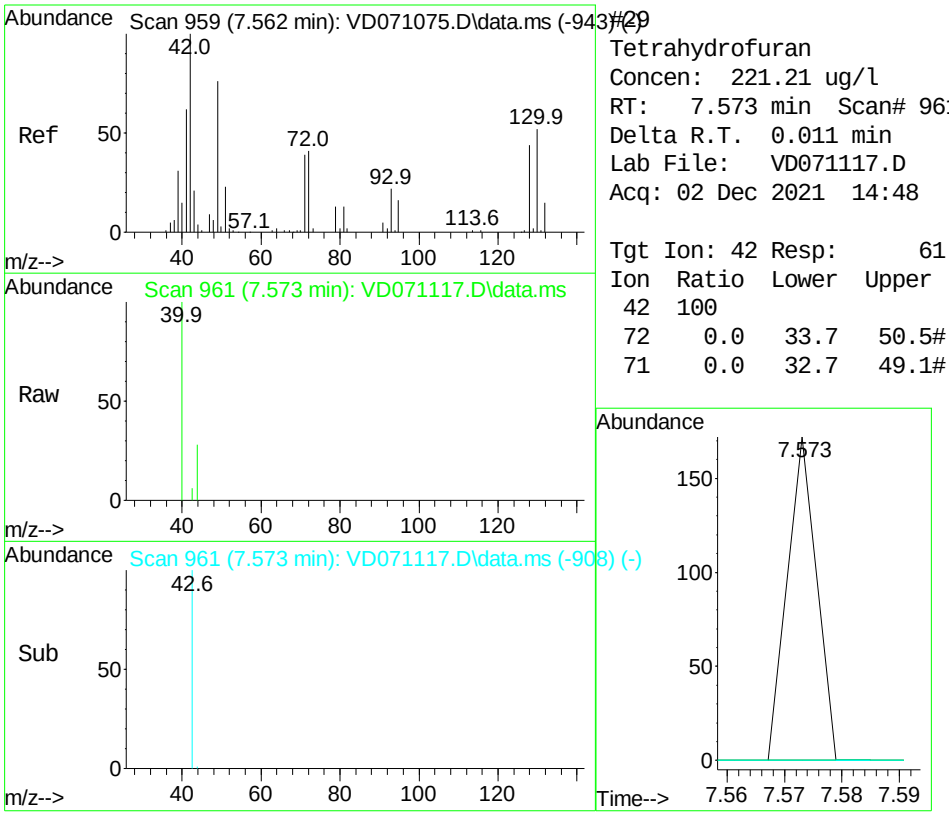


#26
2,2-Dichloropropane
Concen: 20.11 ug/l
RT: 7.208 min Scan# 8
Delta R.T. -0.001 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 77 Resp: 55

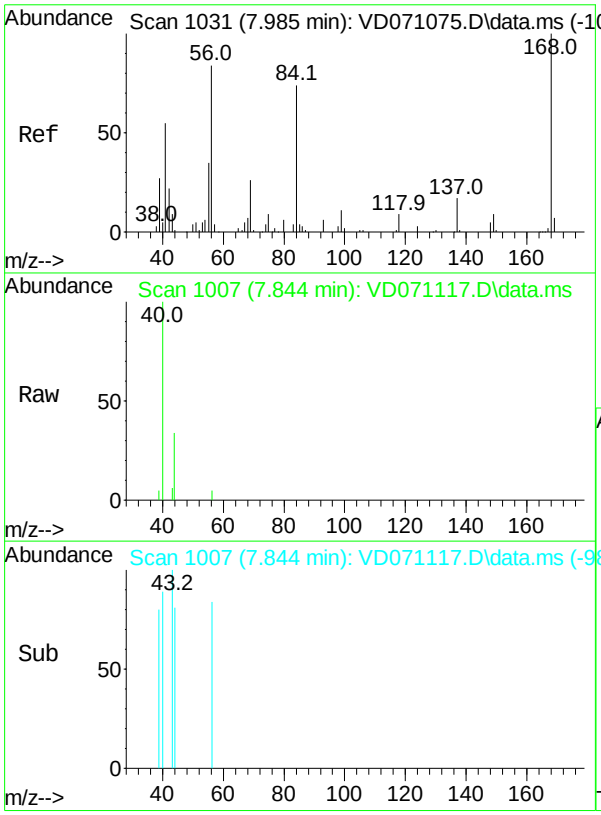
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.9	35.5#



#29
Tetrahydrofuran
Concen: 221.21 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.011 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 42 Resp: 61

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#

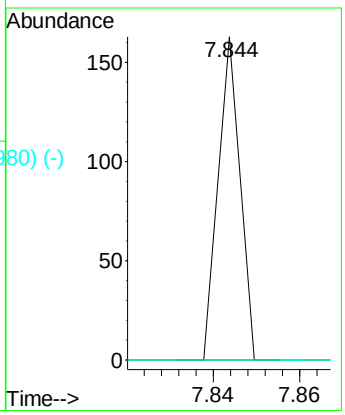


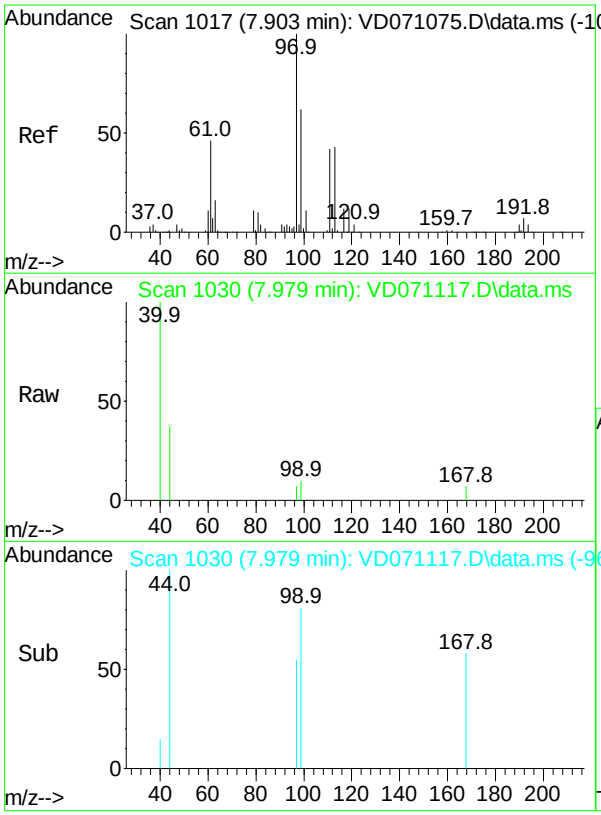
#31
Cyclohexane
Concen: 19.63 ug/l
RT: 7.844 min Scan# 1
Delta R.T. -0.141 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 58

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.9	38.9#
84	0.0	64.3	96.5#

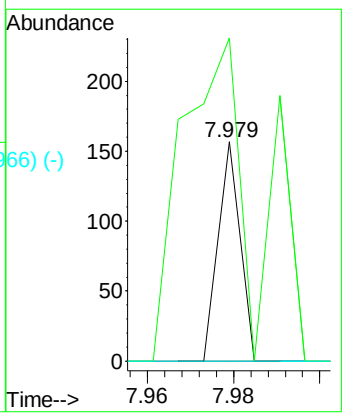


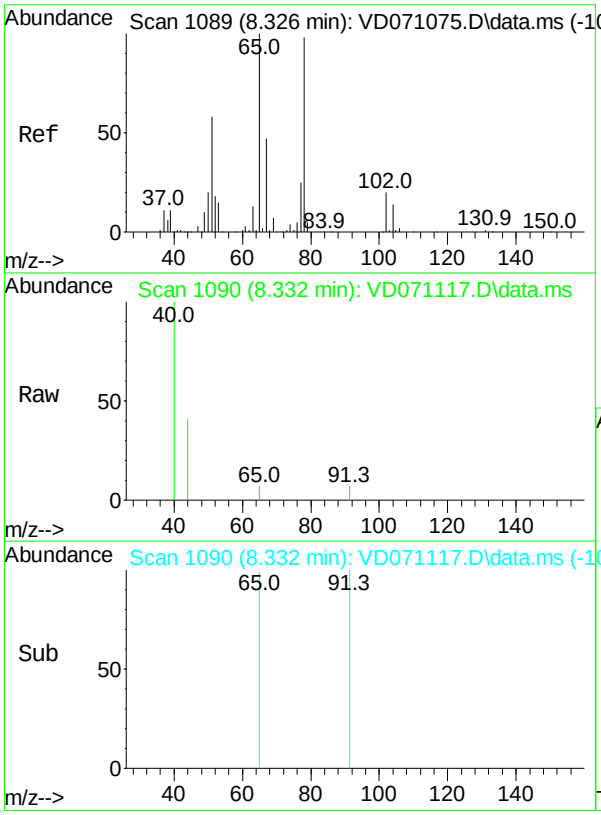


#32
1,1,1-Trichloroethane
Concen: 20.30 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.076 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 97 Resp: 55

Ion	Ratio	Lower	Upper
97	100		
99	500.0	50.3	75.5#
61	0.0	33.0	49.4#



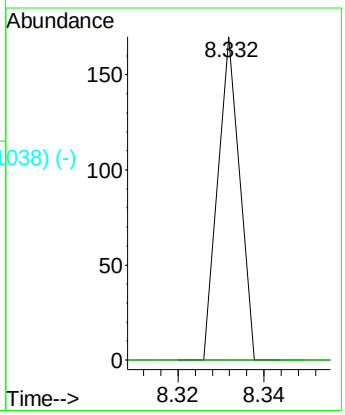


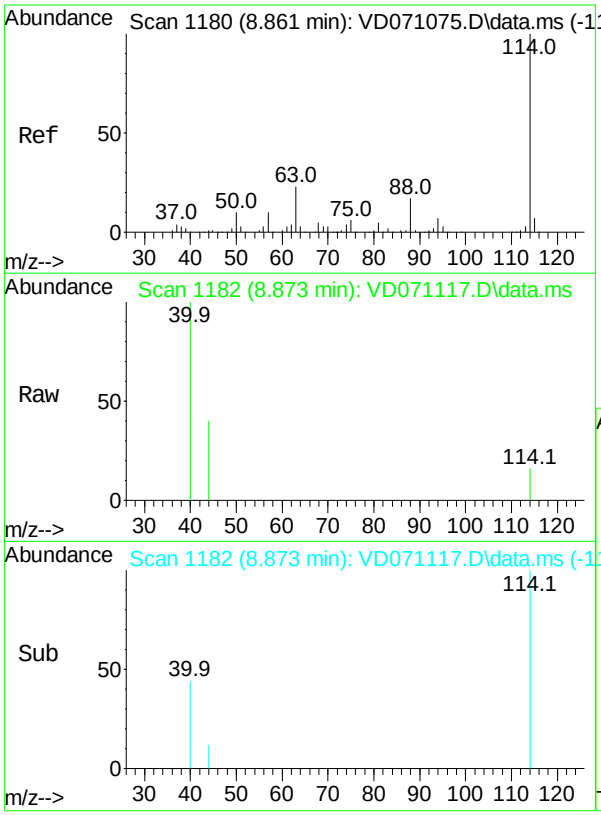
#33
1,2-Dichloroethane-d4
Concen: 34.55 ug/l
RT: 8.332 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 60

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	112.2

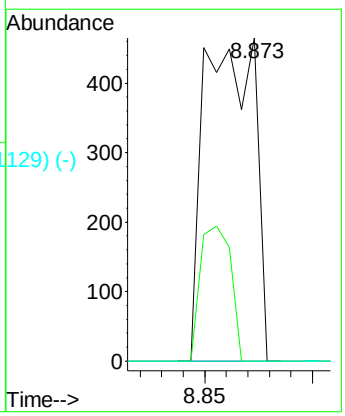


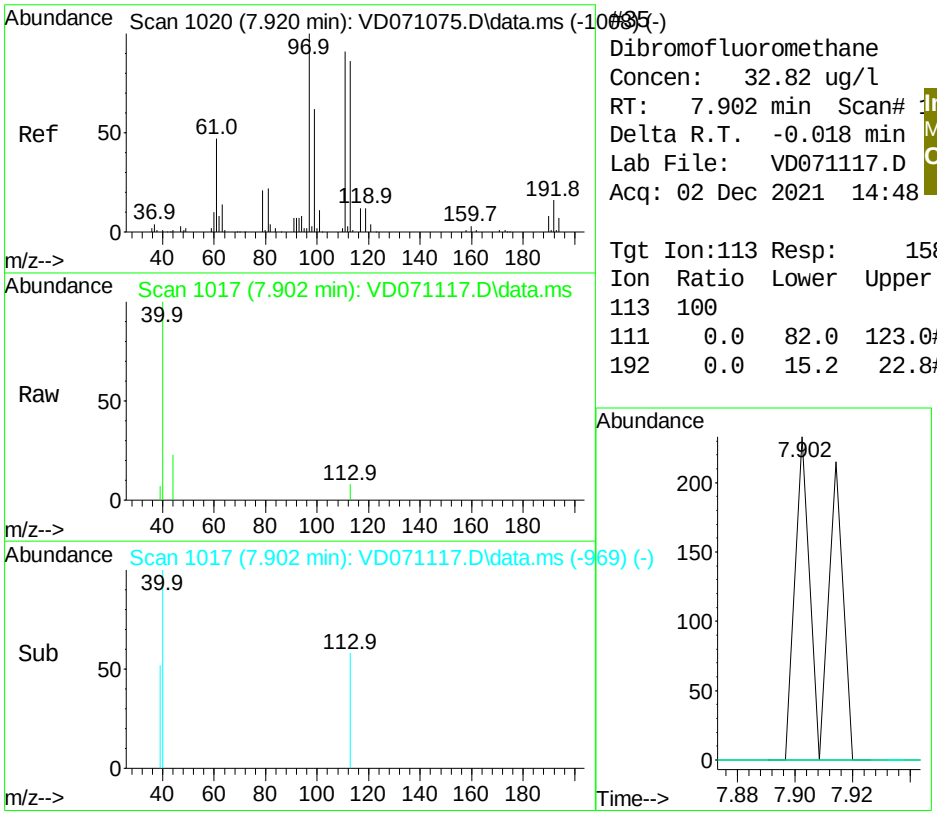


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.012 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion:114 Resp: 756

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	41.8
88	0.0	0.0	32.8



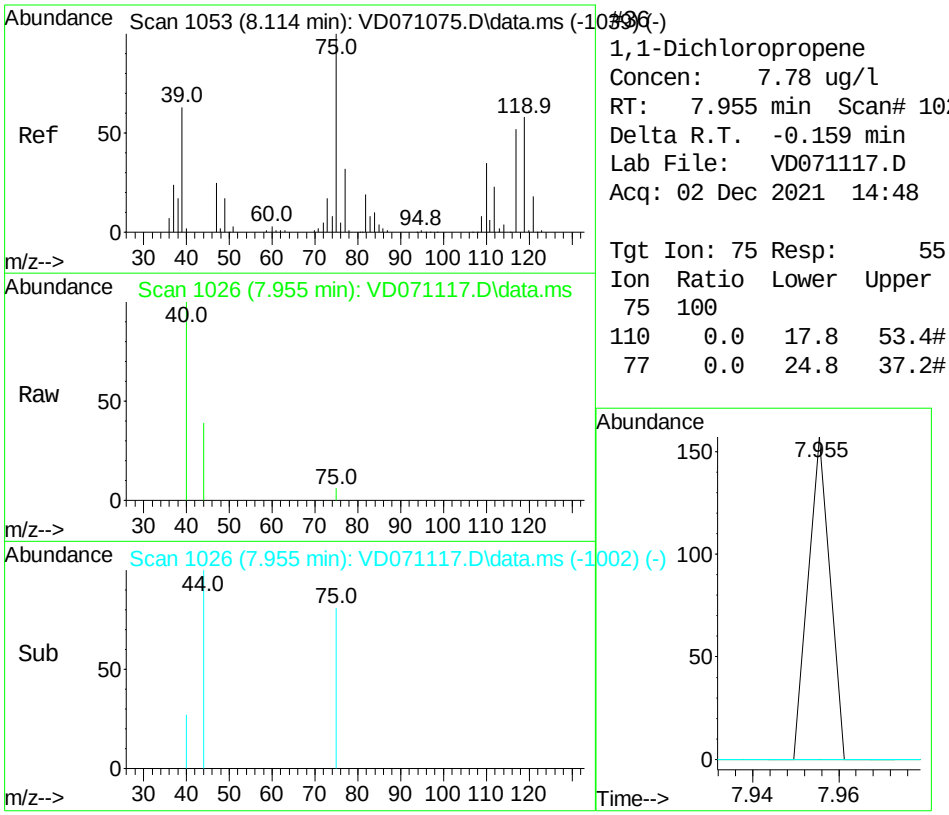


#35
Dibromofluoromethane
Concen: 32.82 ug/l
RT: 7.902 min Scan# 1
Delta R.T. -0.018 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 158

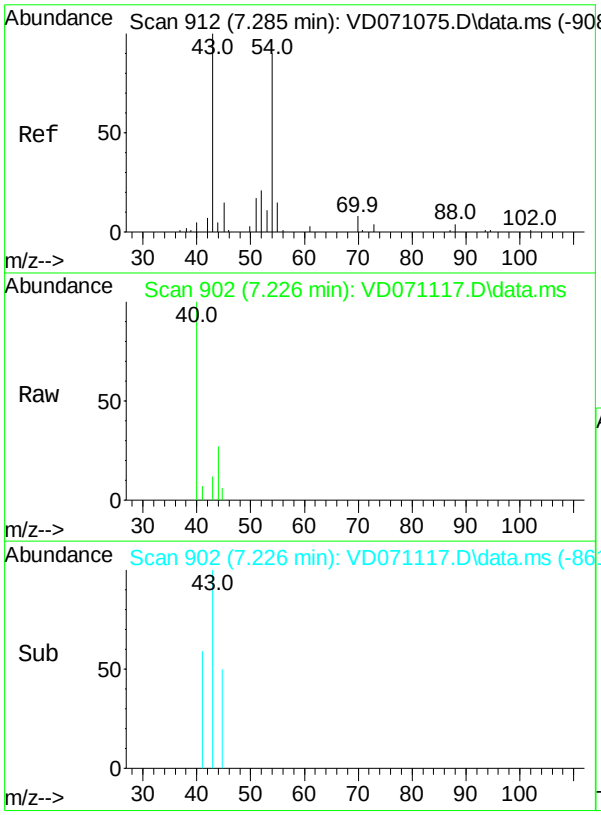
Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.0	123.0#
192	0.0	15.2	22.8#



#36
1,1-Dichloropropene
Concen: 7.78 ug/l
RT: 7.955 min Scan# 1026
Delta R.T. -0.159 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 75 Resp: 55

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#

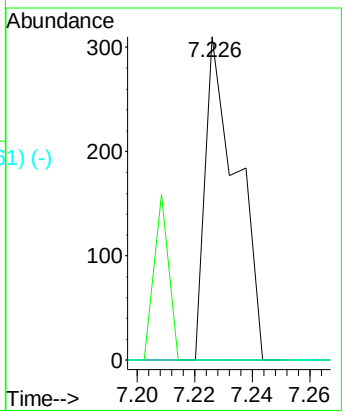


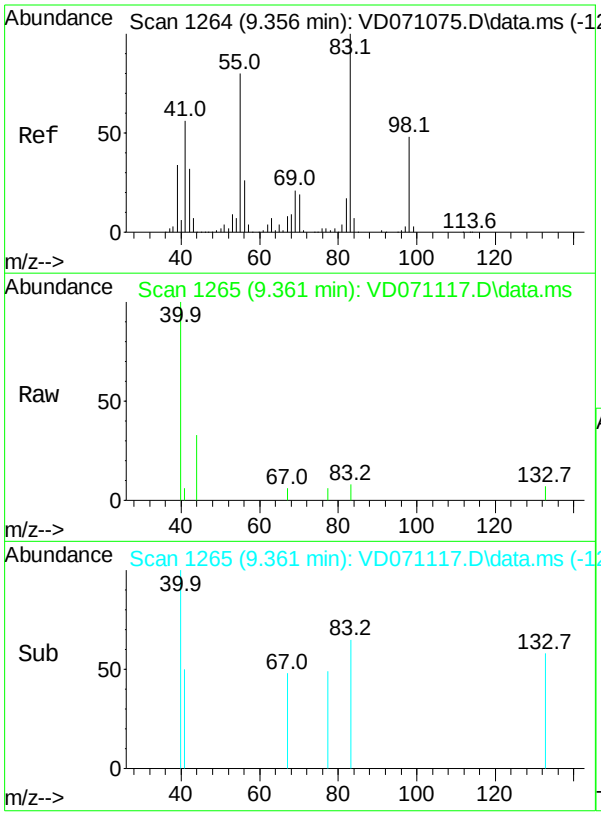
#37
Ethyl Acetate
Concen: 77.65 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.059 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 237

Ion	Ratio	Lower	Upper
43	100		
61	23.6	13.0	19.6#
70	0.0	8.7	13.1#

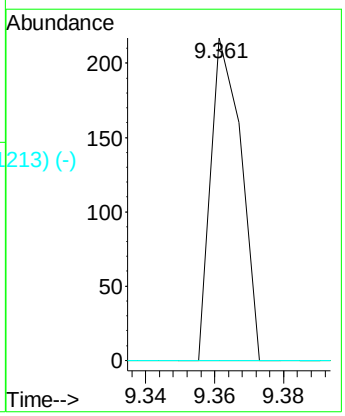


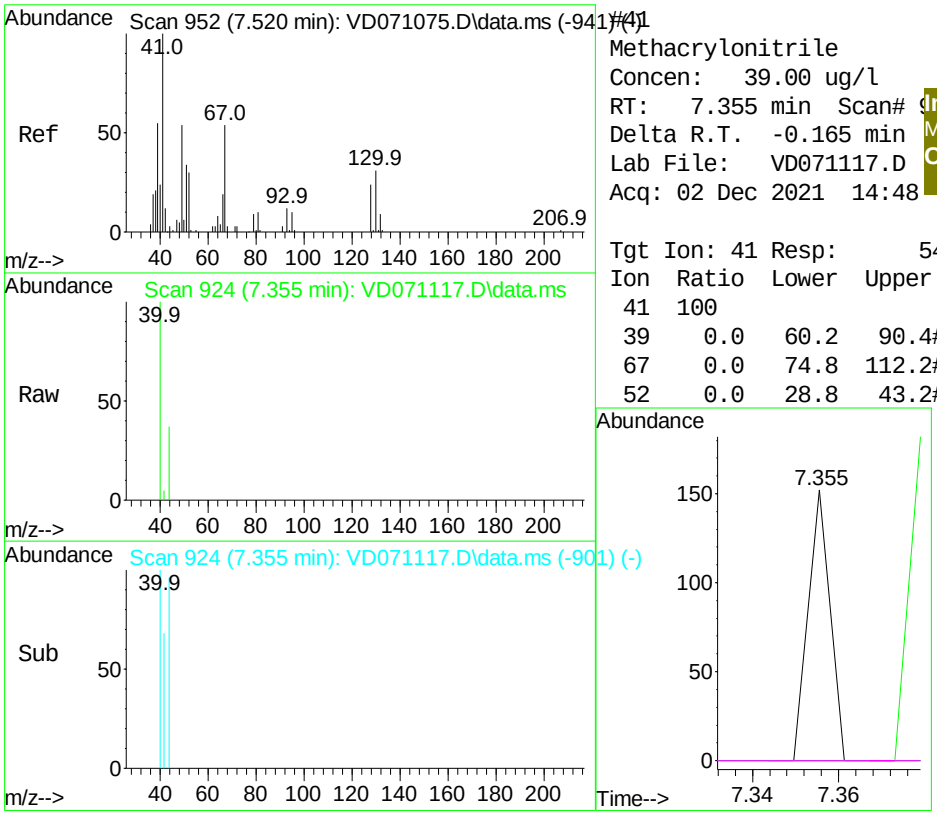


#39
Methylcyclohexane
Concen: 15.65 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.005 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 83 Resp: 133

Ion	Ratio	Lower	Upper
83	100		
55	0.0	65.8	98.8#
98	0.0	38.7	58.1#



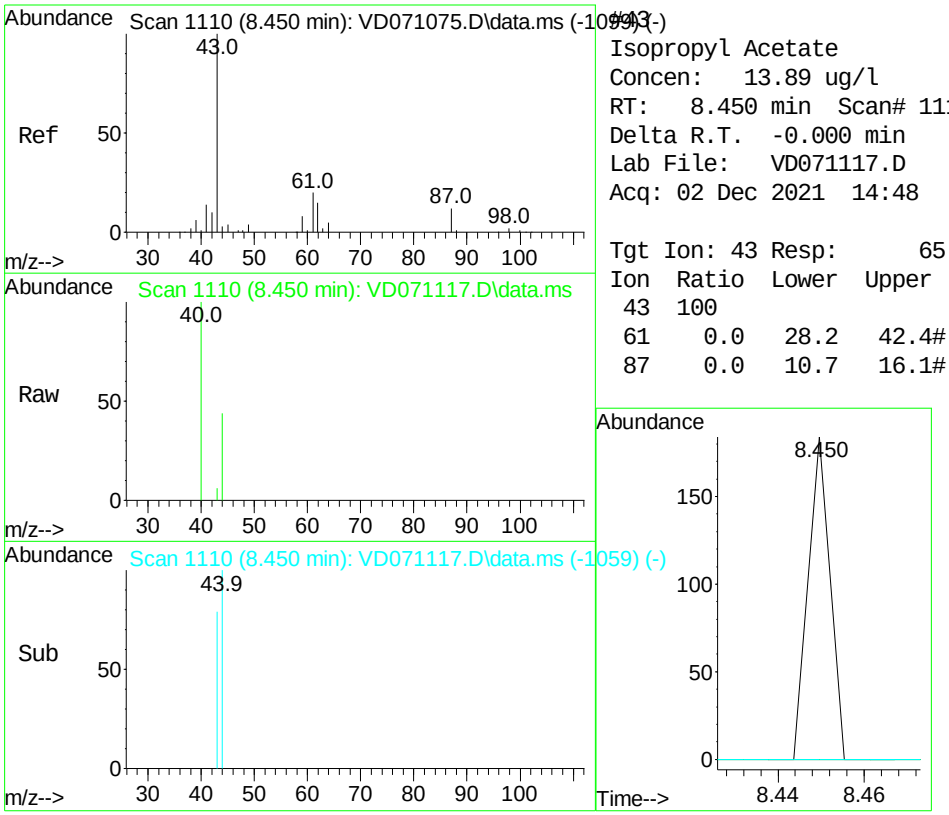


#41
Methacrylonitrile
Concen: 39.00 ug/l
RT: 7.355 min Scan# 9
Delta R.T. -0.165 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 54

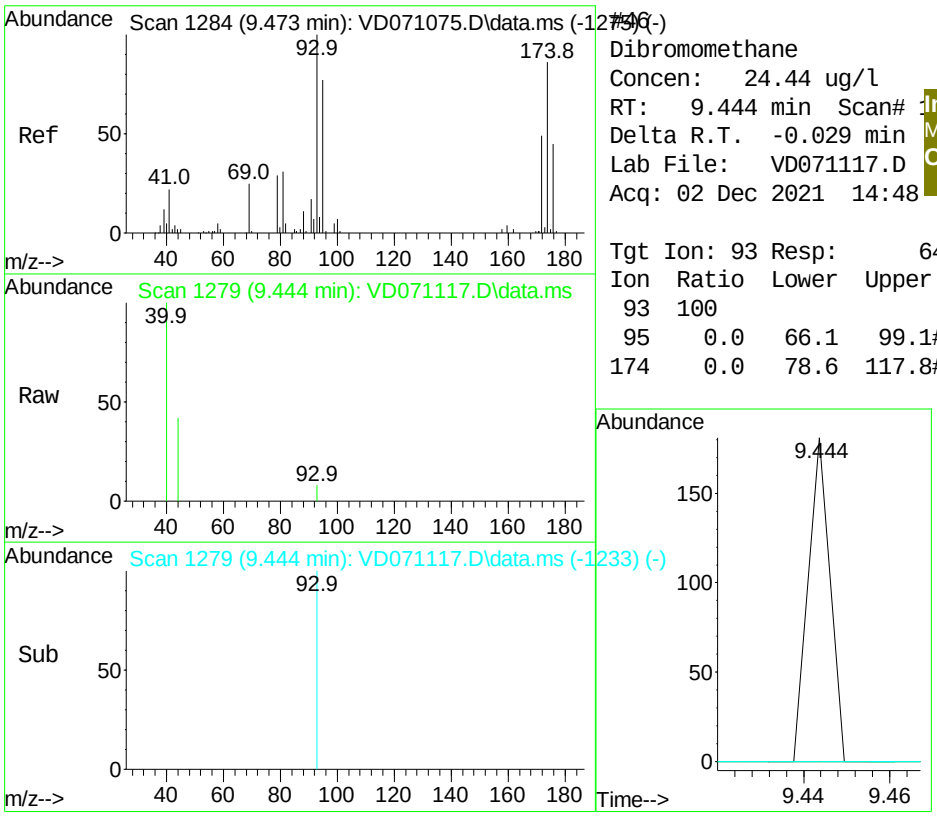
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#43
Isopropyl Acetate
Concen: 13.89 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 43 Resp: 65

Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#

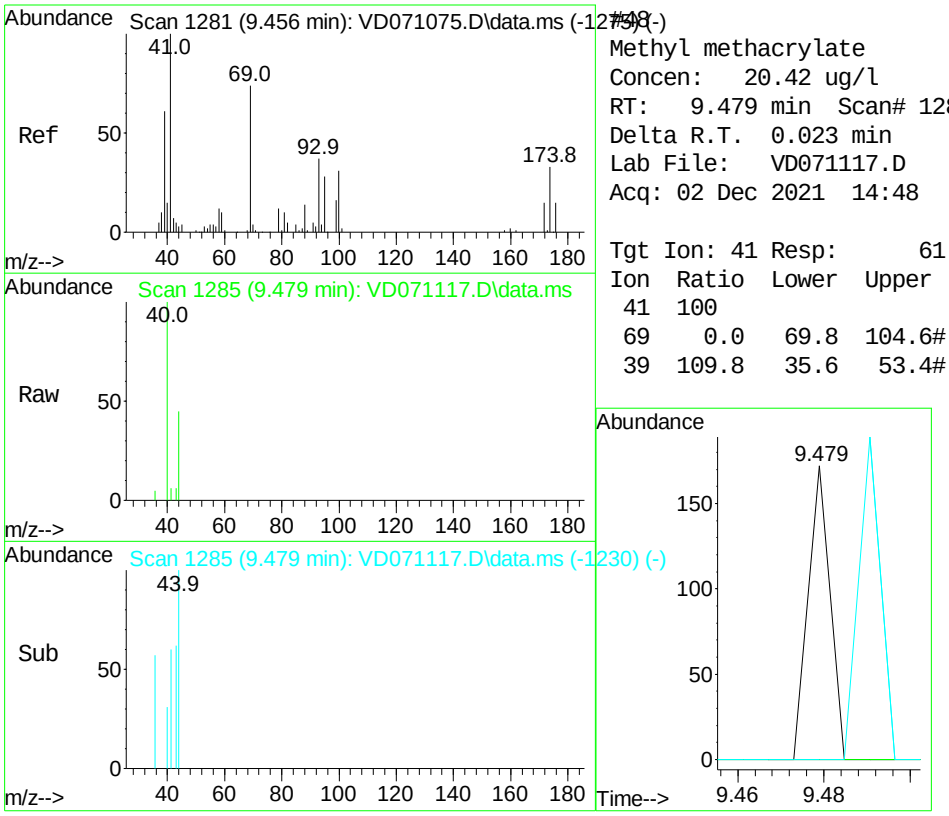


#46
Dibromomethane
Concen: 24.44 ug/l
RT: 9.444 min Scan# 1
Delta R.T. -0.029 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 93 Resp: 64

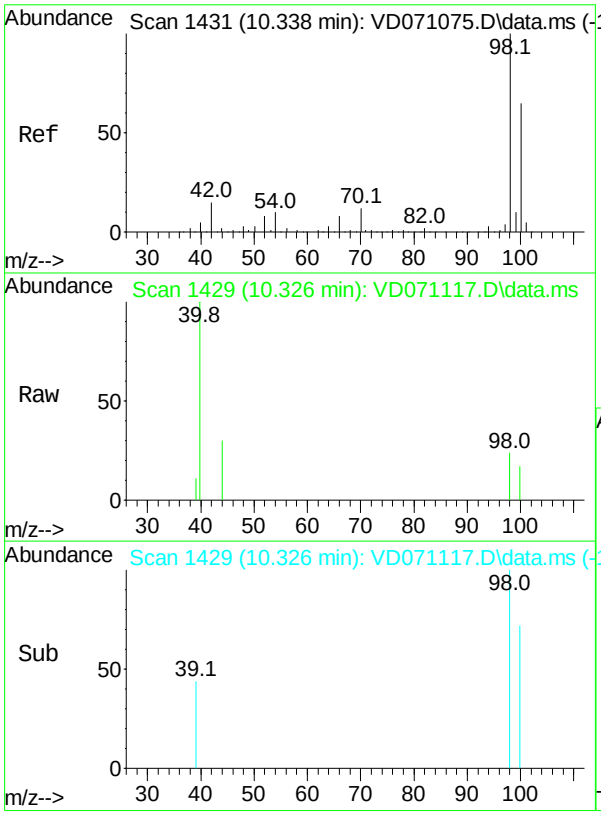
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.1	99.1#
174	0.0	78.6	117.8#



#48
Methyl methacrylate
Concen: 20.42 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.023 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 41 Resp: 61

Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.6#
39	109.8	35.6	53.4#

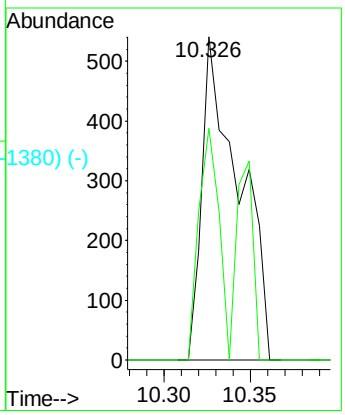


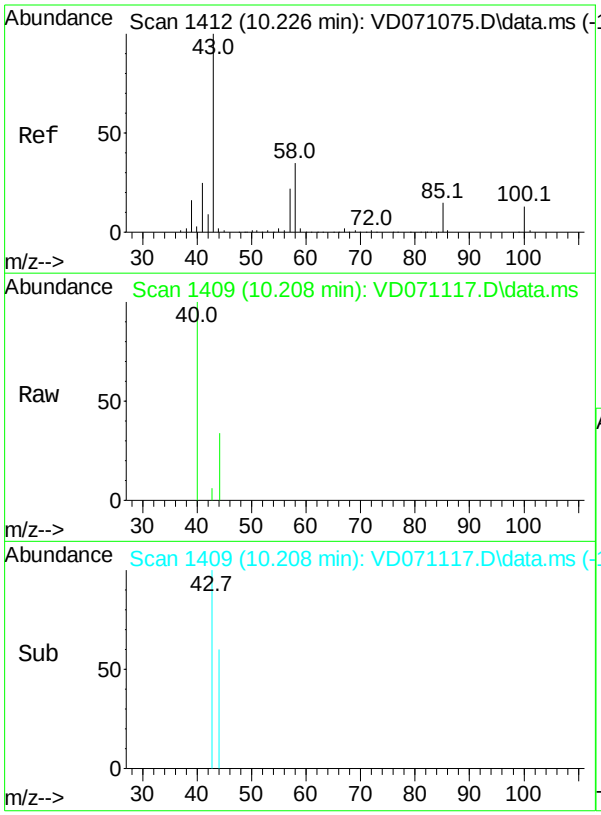
#50
Toluene-d8
Concen: 43.89 ug/l
RT: 10.326 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 98 Resp: 804

Ion	Ratio	Lower	Upper
98	100		
100	38.9	51.8	77.6#

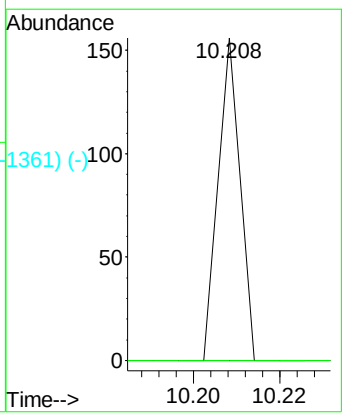


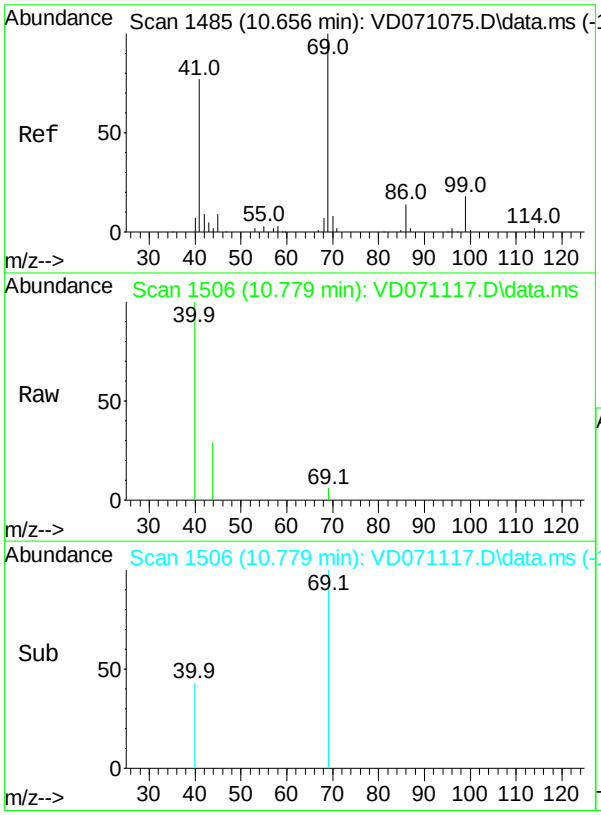


#52
4-Methyl-2-Pentanone
Concen: 44.67 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.018 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.1	49.7#



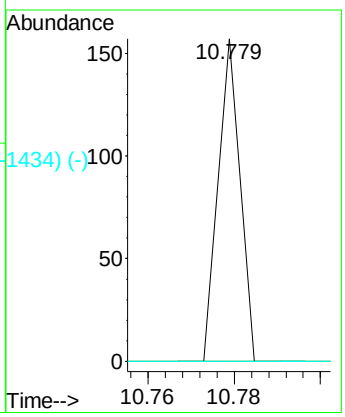


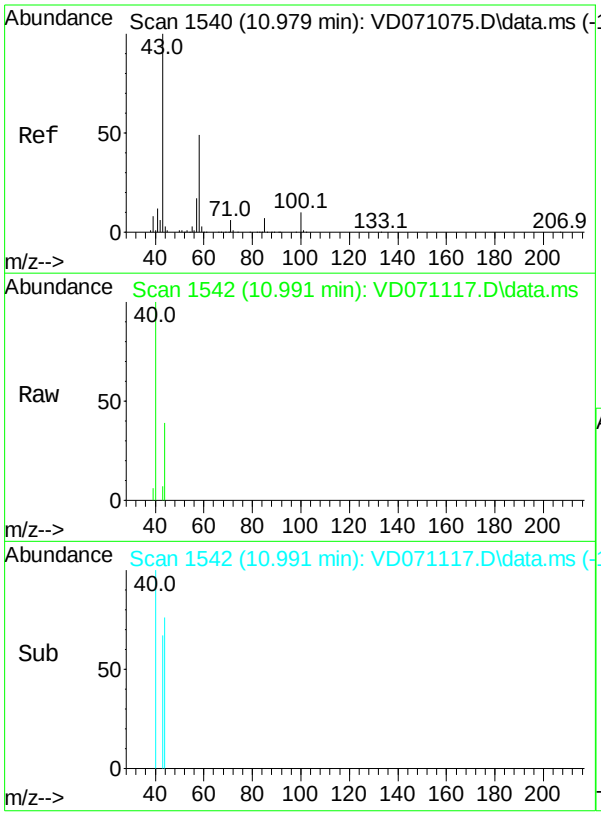
#58
Ethyl methacrylate
Concen: 15.76 ug/l
RT: 10.779 min Scan# 1
Delta R.T. 0.123 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 69 Resp: 55

Ion	Ratio	Lower	Upper
69	100		
41	0.0	50.2	75.2#
39	0.0	19.8	29.8#

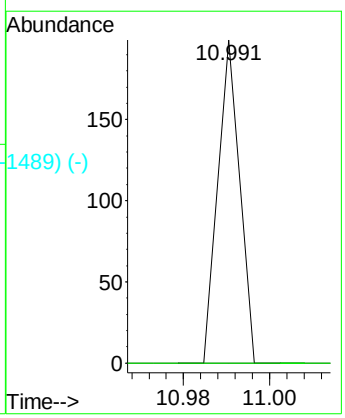


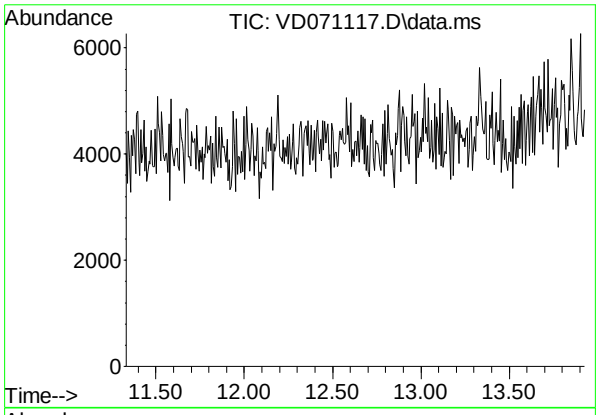


#59
2-Hexanone
Concen: 57.83 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion: 43 Resp: 70

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	86.1#





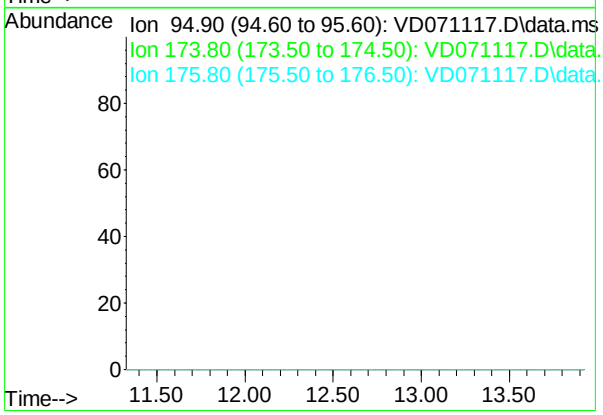
#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
Expected RT: 12.63 min

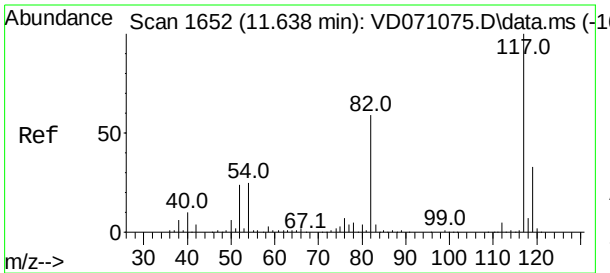
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	79.7
176	77.0

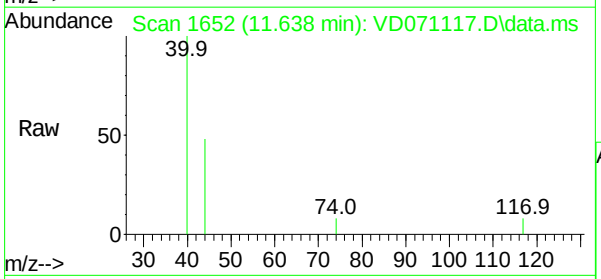


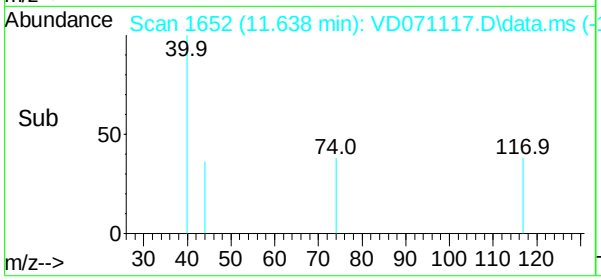


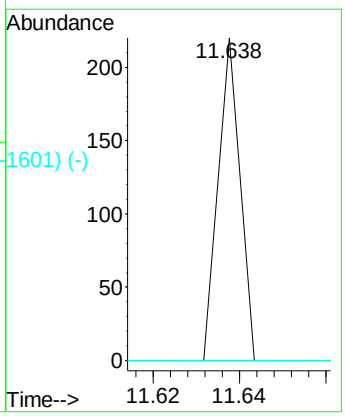
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

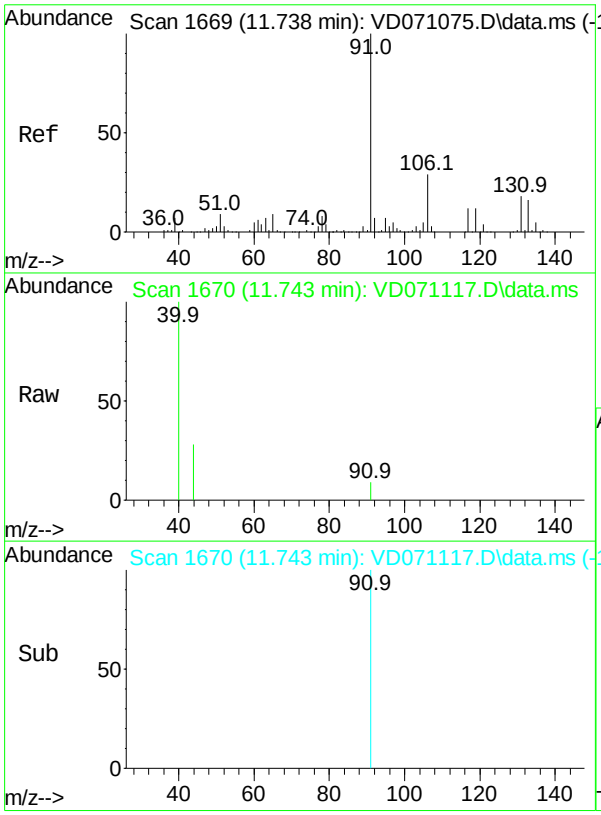
Tgt Ion:117 Resp: 78

Ion	Ratio	Lower	Upper
117	100		
82	0.0	44.7	67.1#
119	0.0	26.2	39.4#







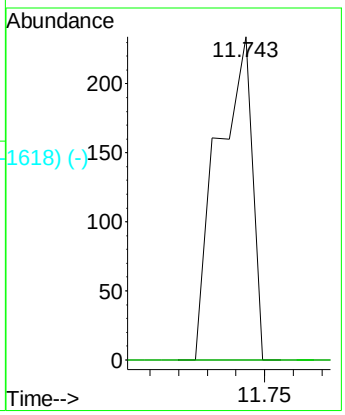


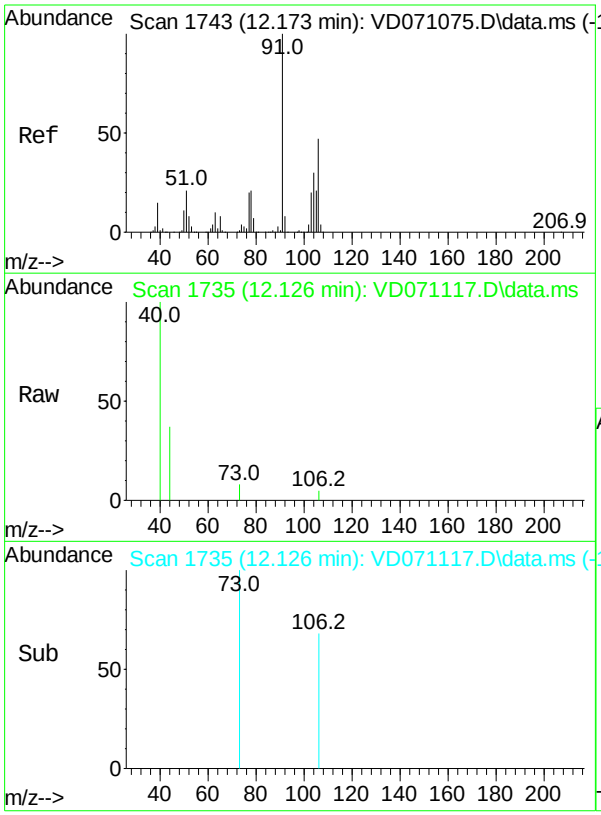
#67
Ethyl Benzene
Concen: 71.94 ug/l
RT: 11.743 min Scan# 1
Delta R.T. 0.005 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 196

Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.6	36.8#

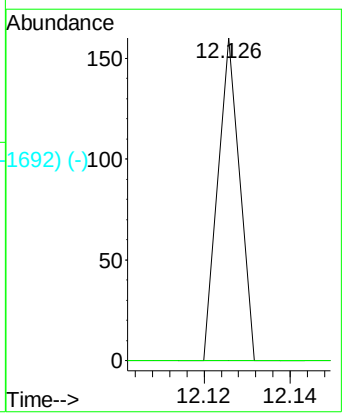


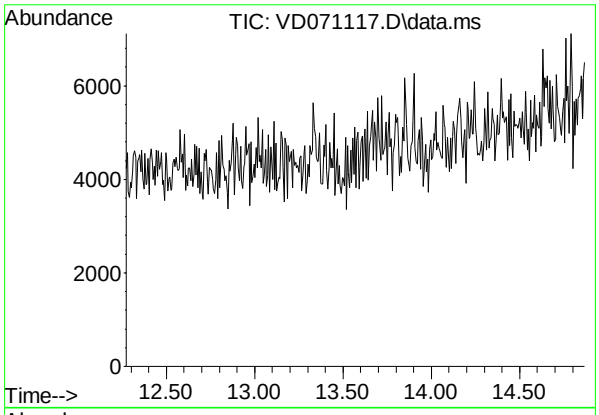


#69
o-Xylene
Concen: 57.93 ug/l
RT: 12.126 min Scan# 1735
Delta R.T. -0.047 min
Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Tgt Ion:106 Resp: 56

Ion	Ratio	Lower	Upper
106	100		
91	0.0	106.3	319.0#





#72
1,4-Dichlorobenzene-d4
Concen: 0.00 ug/l
Expected RT: 13.57 min

Lab File: VD071117.D
Acq: 02 Dec 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	59.5
150	174.6