Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
Data File : VD071120.D
Acq On : 02 Dec 2021 16:13
Operator : VA/SY
Sample : M4891-03
Misc : 5.09G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 03 00:38:33 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

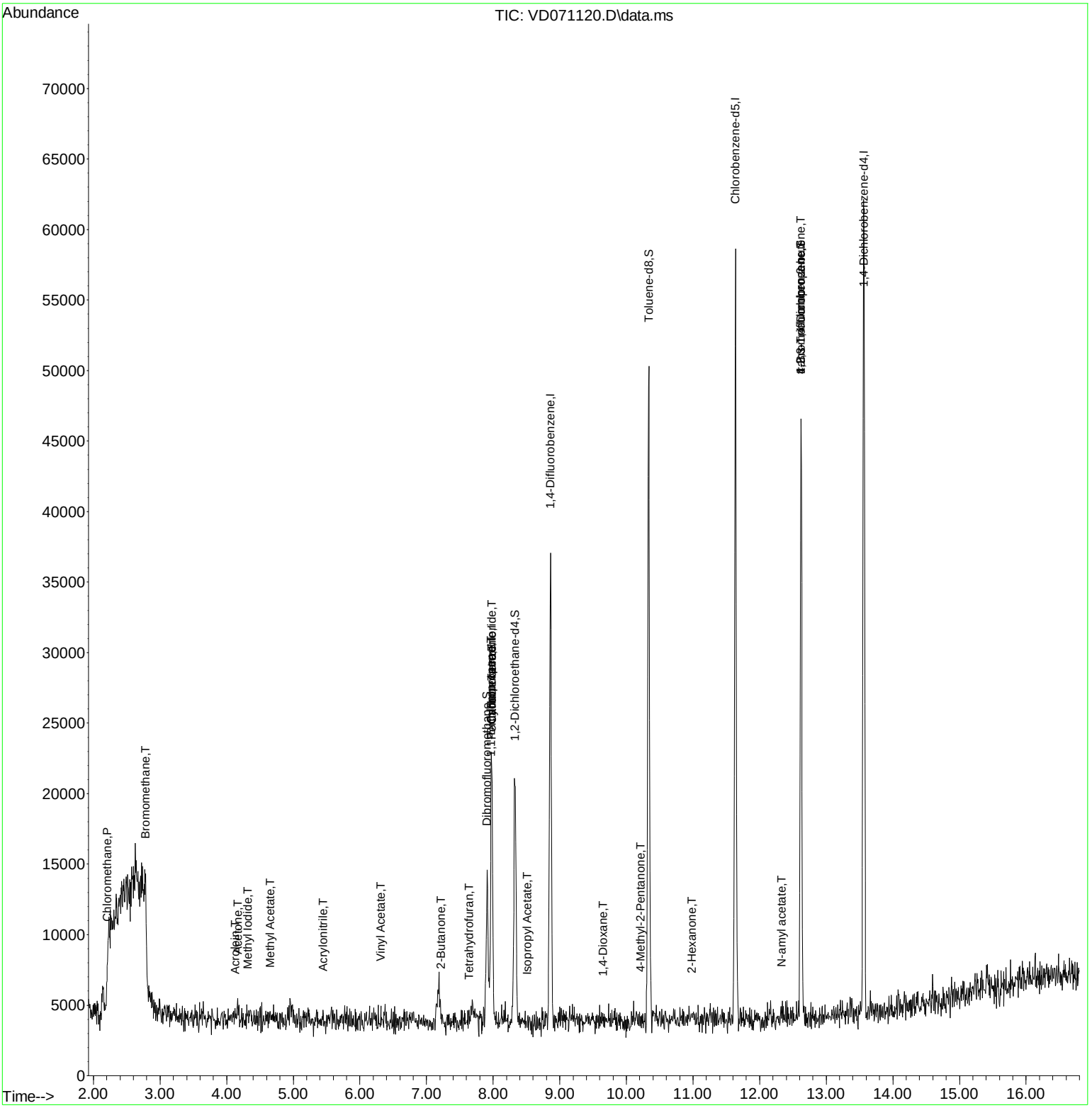
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.985	168	12362	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	24482	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	27637	50.00	ug/l	#	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	13903	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	12856	88.63	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 177.26%#				
35) Dibromofluoromethane	7.908	113	7084	45.44	ug/l		-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.88%				
50) Toluene-d8	10.338	98	31057	52.35	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.70%				
62) 4-Bromofluorobenzene	12.620	95	13779	67.00	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 134.00%				
Target Compounds							Qvalue
3) Chloromethane	2.209	50	655	4.70	ug/l		93
5) Bromomethane	2.779	94	1269	11.31	ug/l	#	54
10) Methyl Iodide	4.320	142	1094	11.44	ug/l	#	50
11) Tert butyl alcohol	5.220	59	108	Below Cal		#	71
13) Acrolein	4.132	56	56	5.65	ug/l	#	13
15) Acrylonitrile	5.450	53	129	4.64	ug/l	#	19
16) Acetone	4.167	43	1327	61.00	ug/l	#	40
18) Methyl Acetate	4.656	43	181	1.69	ug/l	#	51
20) Methylene Chloride	4.956	84	185	Below Cal		#	54
23) Vinyl Acetate	6.314	43	58	27.44	ug/l	#	72
25) 2-Butanone	7.220	43	210	32.54	ug/l	#	45
29) Tetrahydrofuran	7.644	42	62	2.69	ug/l	#	34
31) Cyclohexane	7.979	56	642	2.60	ug/l	#	76
36) 1,1-Dichloropropene	7.967	75	1357	5.93	ug/l	#	41
38) Carbon Tetrachloride	7.979	117	1291	5.72	ug/l	#	12
41) Methacrylonitrile	7.567	41	83	Below Cal		#	12
43) Isopropyl Acetate	8.514	43	53	5.44	ug/l	#	47
49) 1,4-Dioxane	9.649	88	64	78.18	ug/l	#	23
51) 4-Methyl-2-Pentanone	10.214	43	144	31.79	ug/l	#	34
59) 2-Hexanone	10.985	43	160	36.22	ug/l	#	22
74) N-amyl acetate	12.332	43	58	5.89	ug/l	#	40
76) 1,2,3-Trichloropropane	12.620	75	7304	55.14	ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.620	75	7304	119.85	ug/l	#	18

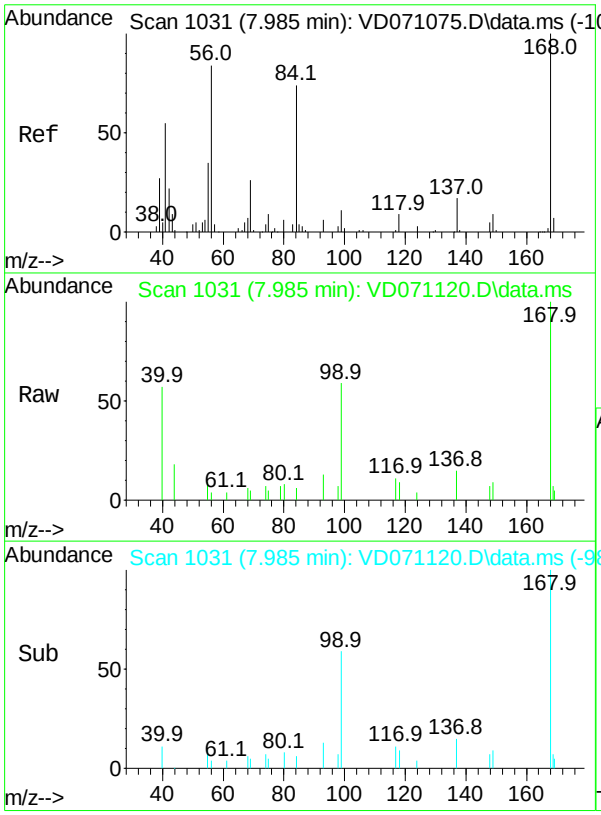
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
Data File : VD071120.D
Acq On : 02 Dec 2021 16:13
Operator : VA/SY
Sample : M4891-03
Misc : 5.09G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 03 00:38:33 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



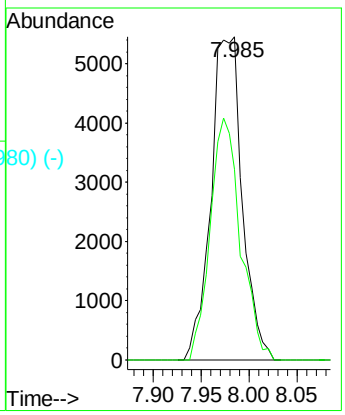


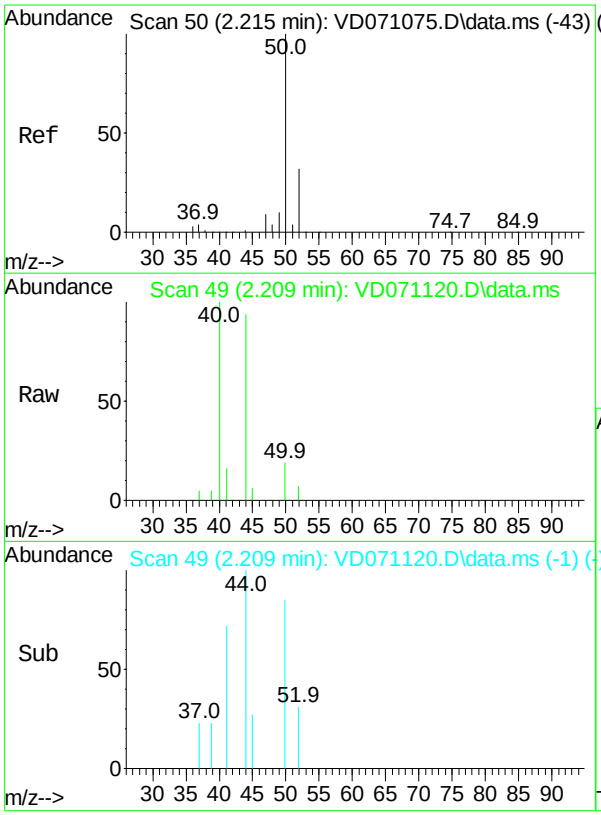
#9
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 12362

Ion	Ratio	Lower	Upper
168	100		
99	58.9	46.6	69.8

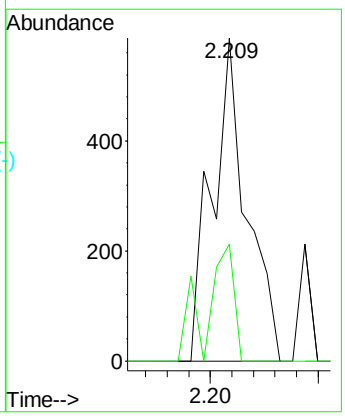


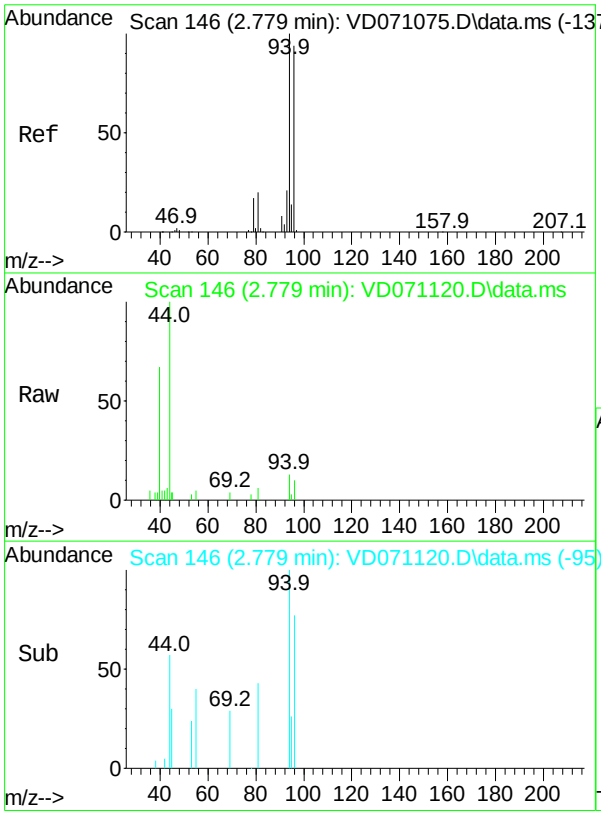


#3
Chloromethane
Concen: 4.70 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 50 Resp: 655

Ion	Ratio	Lower	Upper
50	100		
52	36.1	25.8	38.8



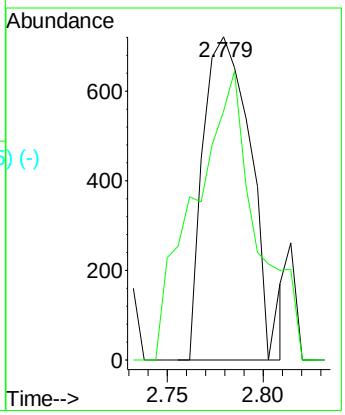


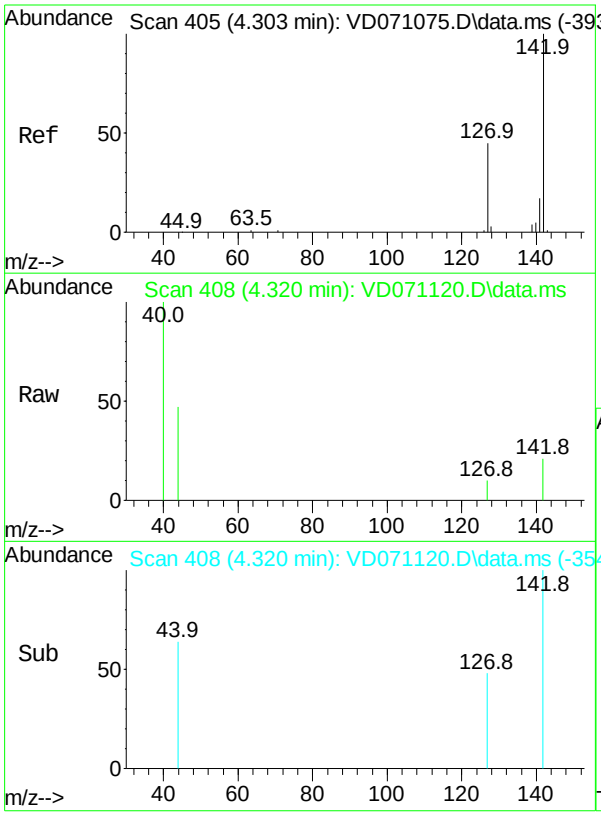
#5
Bromomethane
Concen: 11.31 ug/l
RT: 2.779 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 94 Resp: 1269

Ion	Ratio	Lower	Upper
94	100		
96	49.2	74.8	112.2#

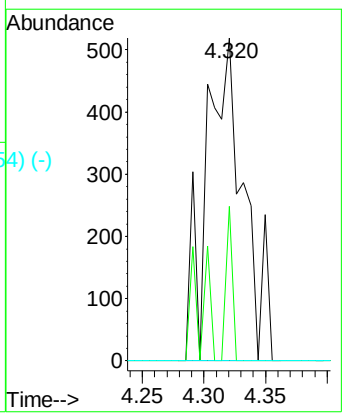


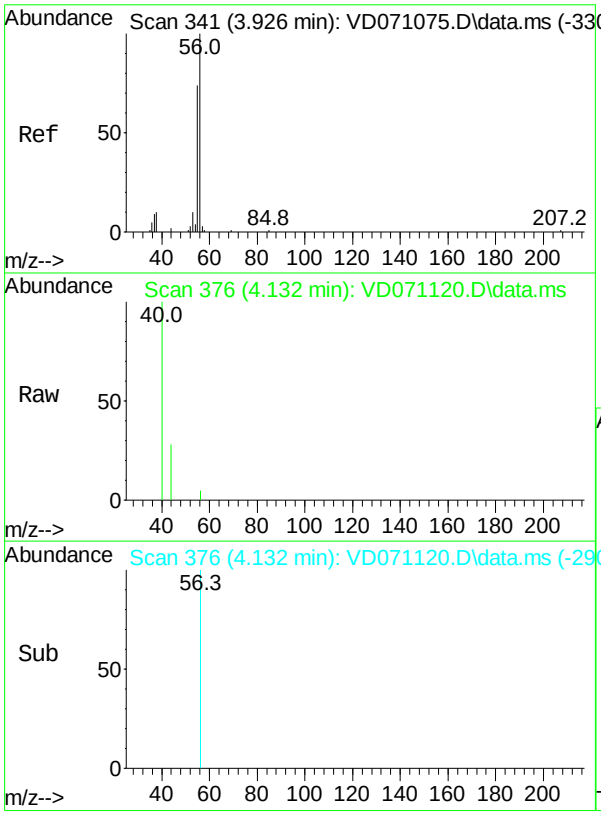


#10
Methyl Iodide
Concen: 11.44 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion:142 Resp: 1094

Ion	Ratio	Lower	Upper
142	100		
127	8.0	35.0	52.4#
141	0.0	12.0	18.0#



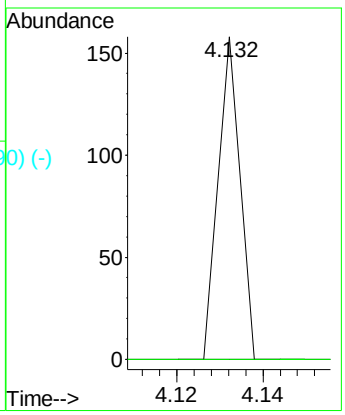


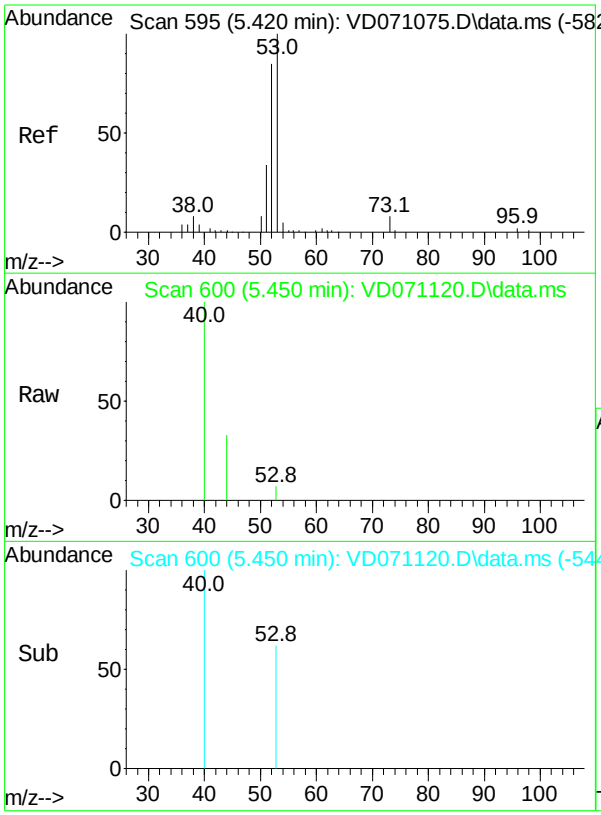
#13
Acrolein
Concen: 5.65 ug/l
RT: 4.132 min Scan# 1
Delta R.T. 0.206 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 56

Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.6	87.8#

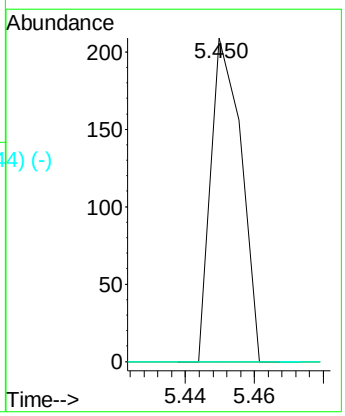


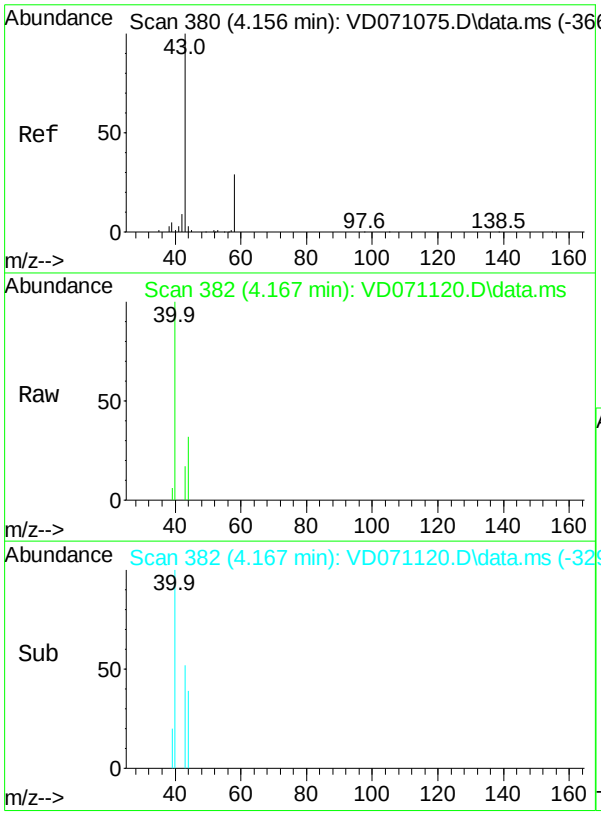


#15
Acrylonitrile
Concen: 4.64 ug/l
RT: 5.450 min Scan# 600
Delta R.T. 0.030 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 53 Resp: 129

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



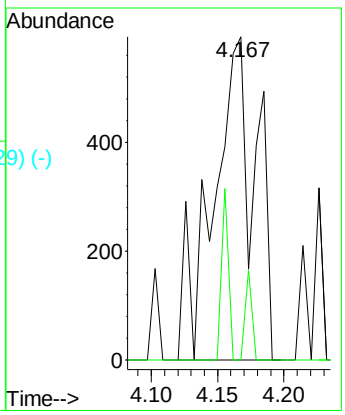


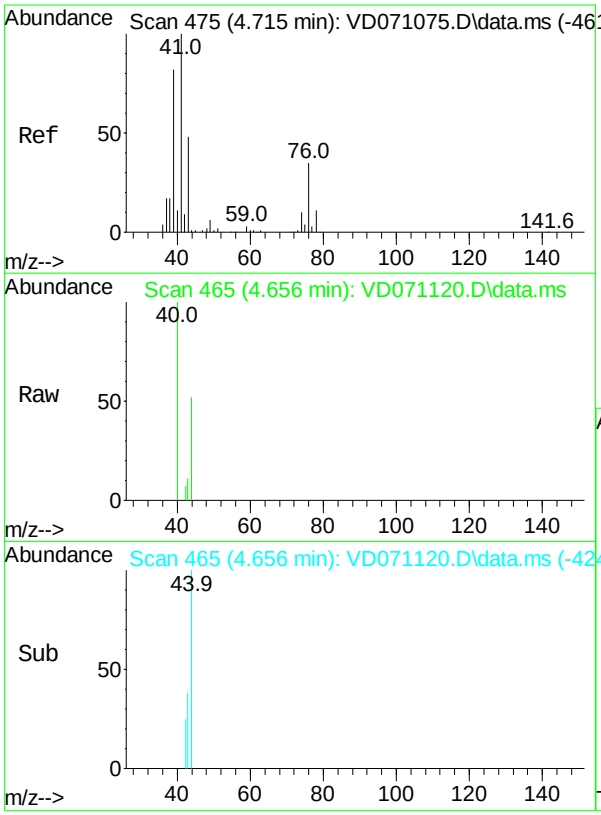
#16
Acetone
Concen: 61.00 ug/l
RT: 4.167 min Scan# 1
Delta R.T. 0.011 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1327

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#

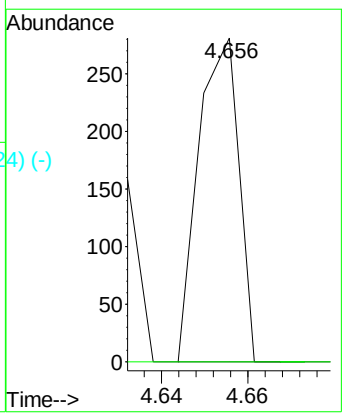


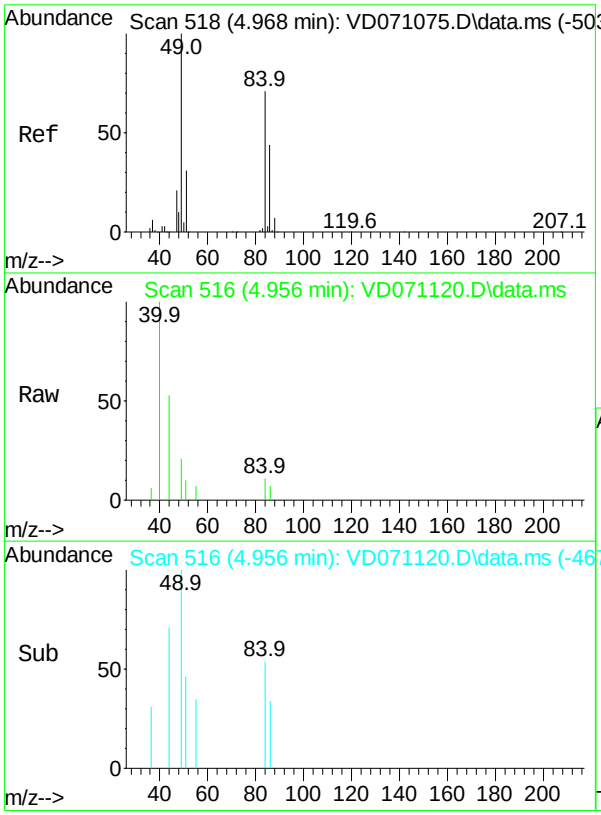


#18
Methyl Acetate
Concen: 1.69 ug/l
RT: 4.656 min Scan# 465
Delta R.T. -0.059 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 43 Resp: 181

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.3	28.9#



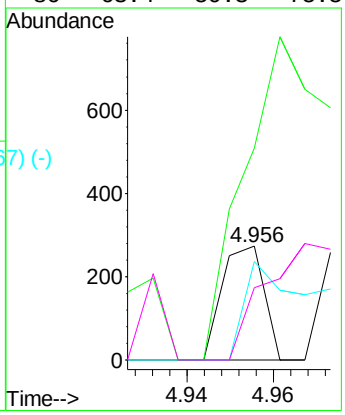


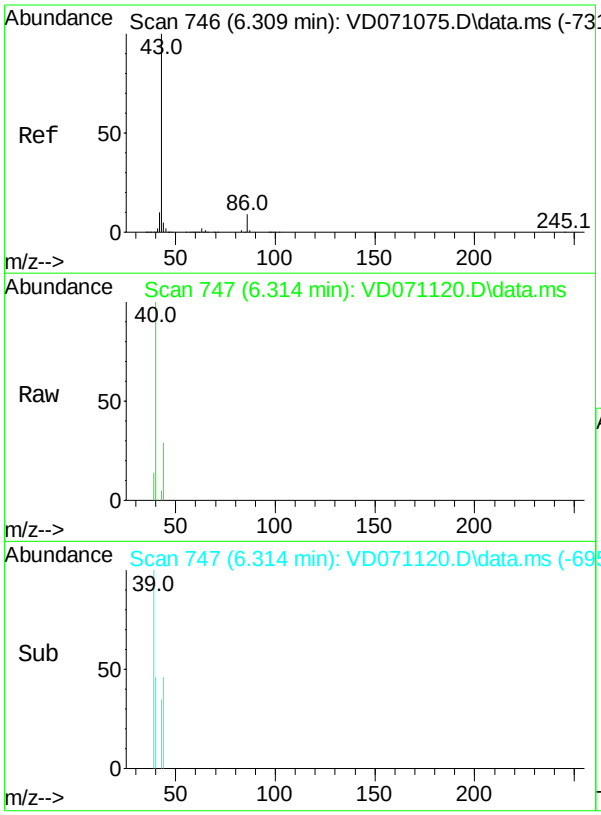
#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 5
Delta R.T. -0.012 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 185

Ion	Ratio	Lower	Upper
84	100		
49	186.4	95.8	143.6#
51	86.4	30.9	46.3#
86	63.4	50.3	75.5

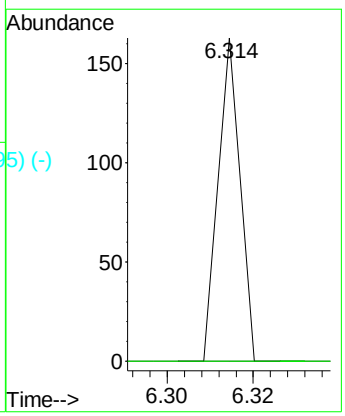


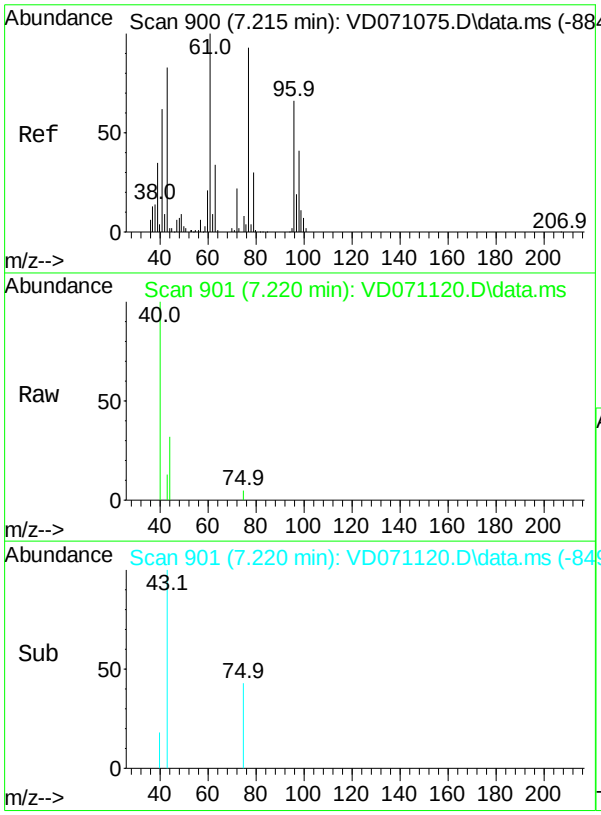


#23
Vinyl Acetate
Concen: 27.44 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



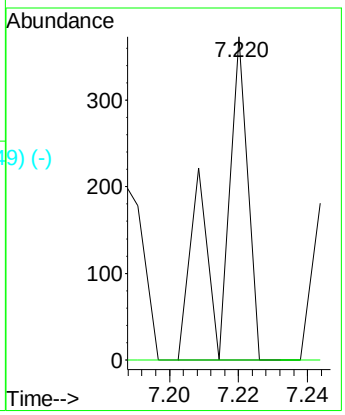


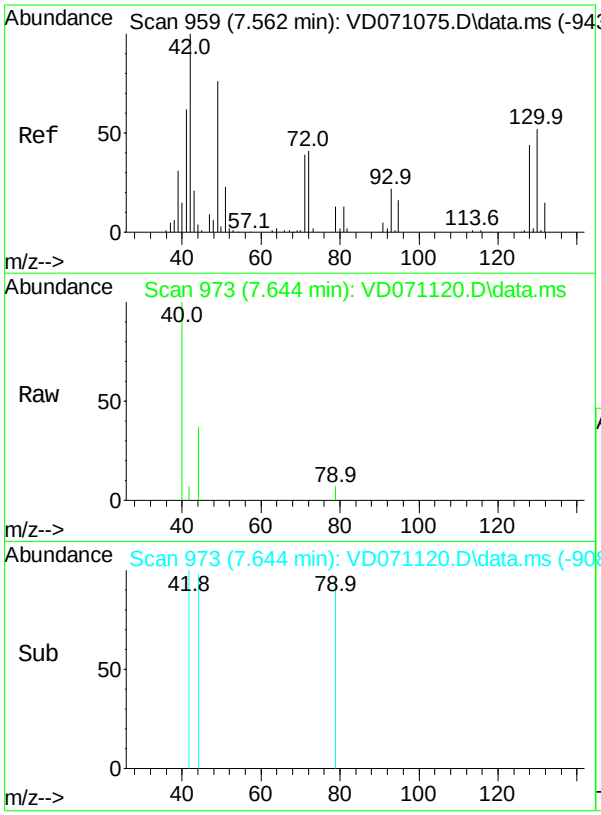
#25
2-Butanone
Concen: 32.54 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.005 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 210

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#

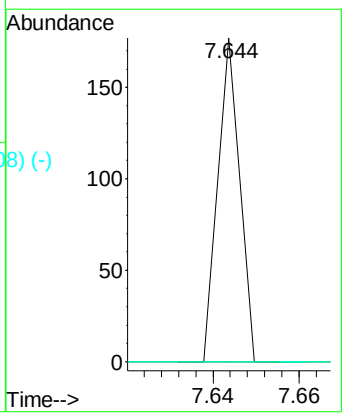


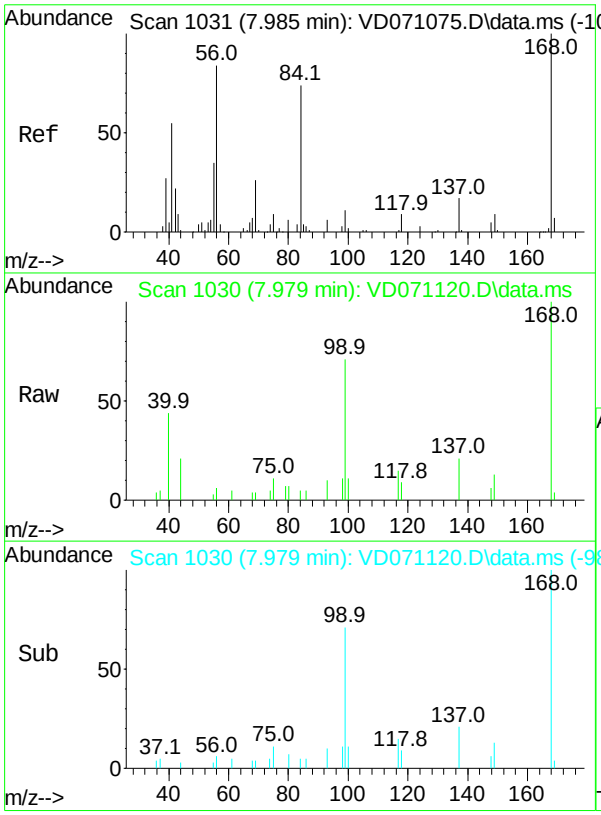


#29
Tetrahydrofuran
Concen: 2.69 ug/l
RT: 7.644 min Scan# 973
Delta R.T. 0.082 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 42 Resp: 62

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



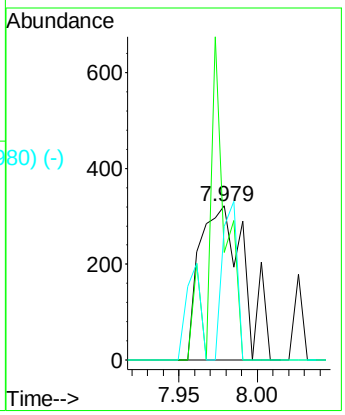


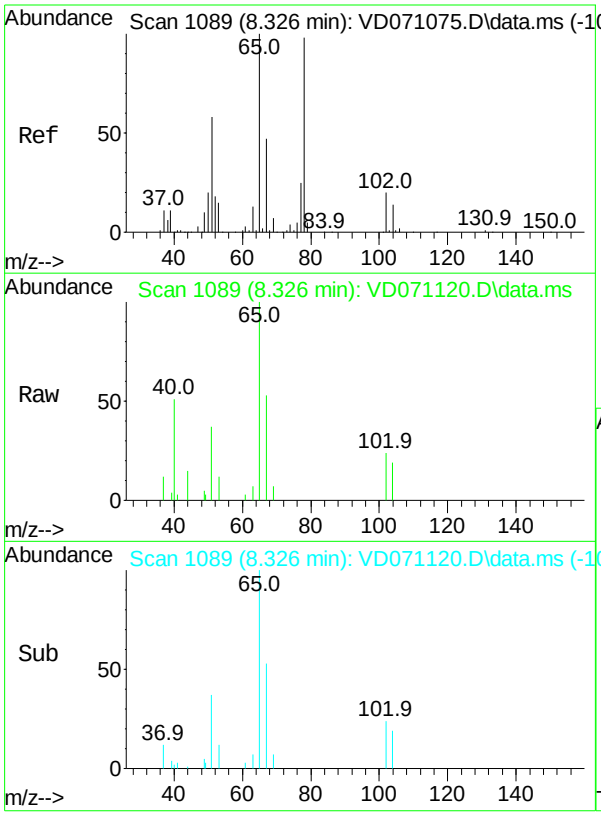
#31
Cyclohexane
Concen: 2.60 ug/l
RT: 7.979 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 642

Ion	Ratio	Lower	Upper
56	100		
69	69.6	25.9	38.9#
84	87.0	64.3	96.5

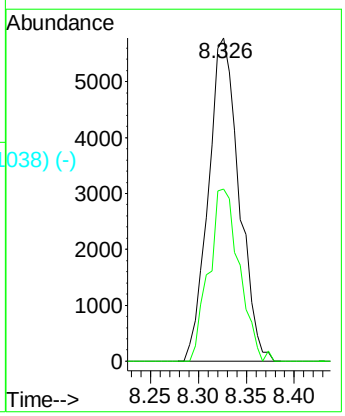


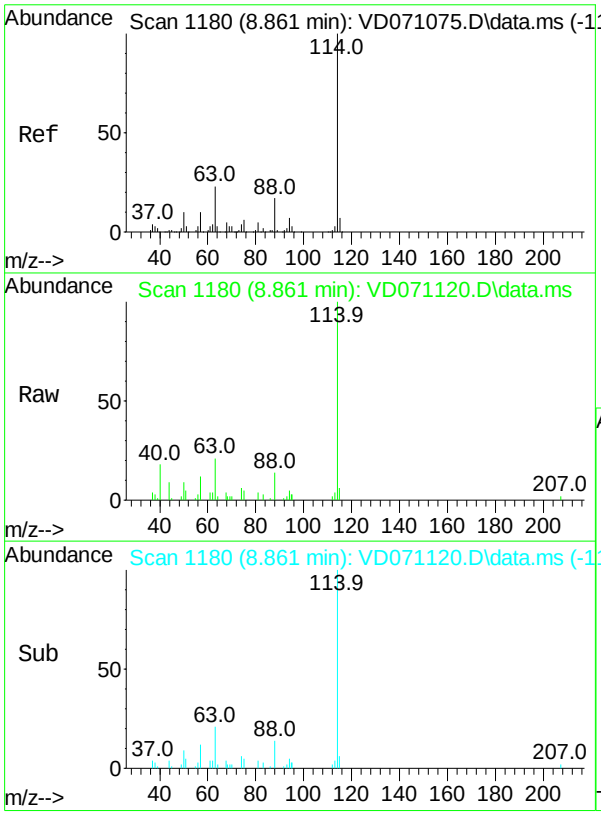


#33
1,2-Dichloroethane-d4
Concen: 88.63 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 65 Resp: 12856

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	112.2



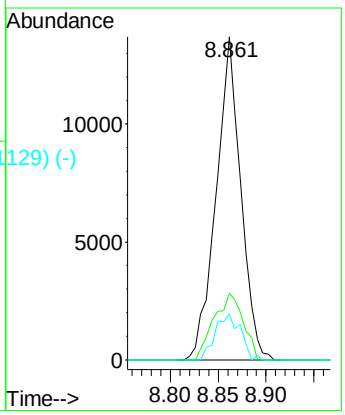


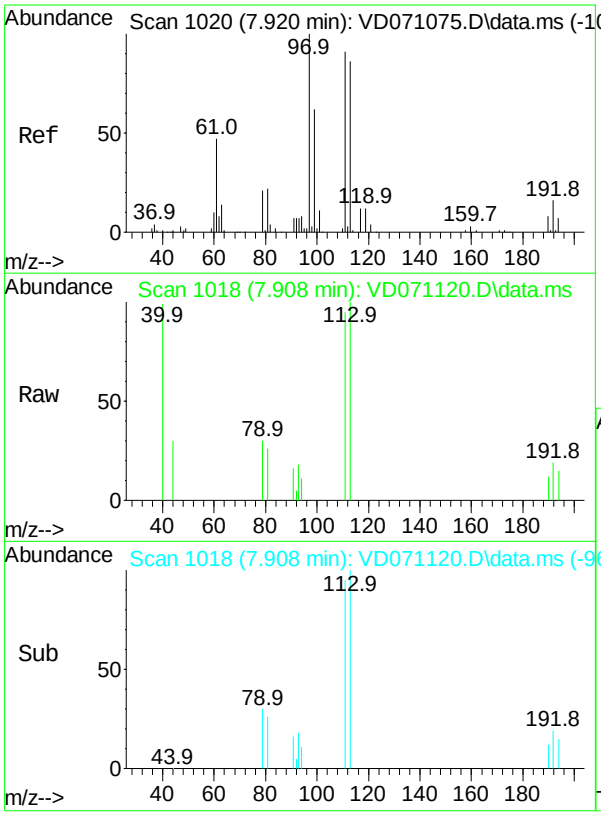
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:114 Resp: 24482

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.8
88	14.1	0.0	32.8

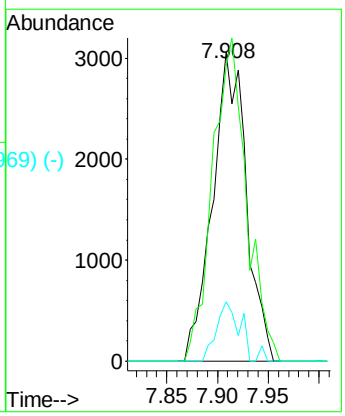


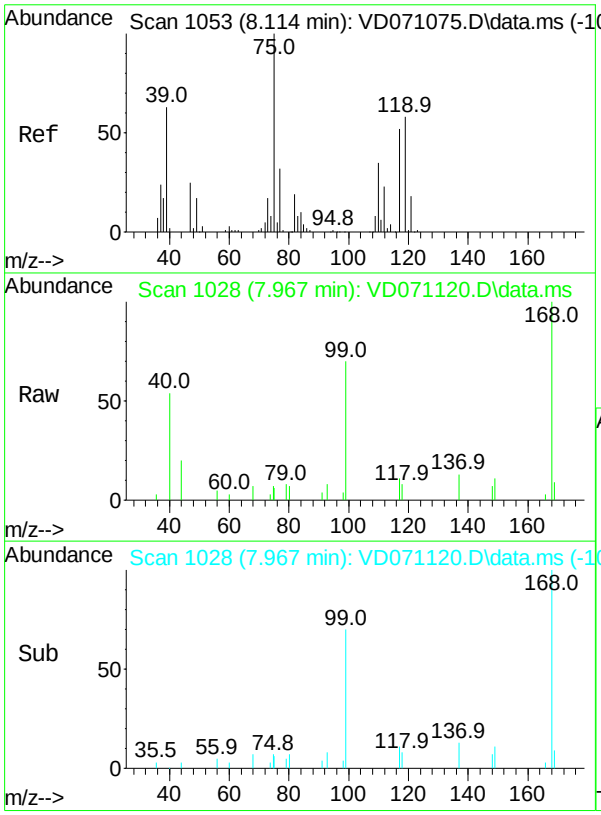


#35
Dibromofluoromethane
Concen: 45.44 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.012 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion:113 Resp: 7084

Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.0	123.0
192	13.0	15.2	22.8#



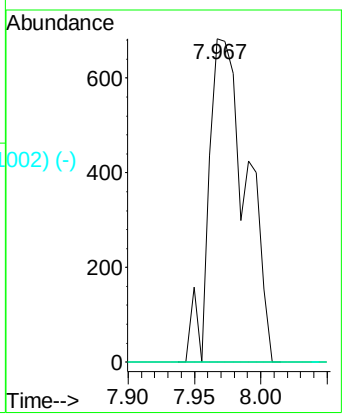


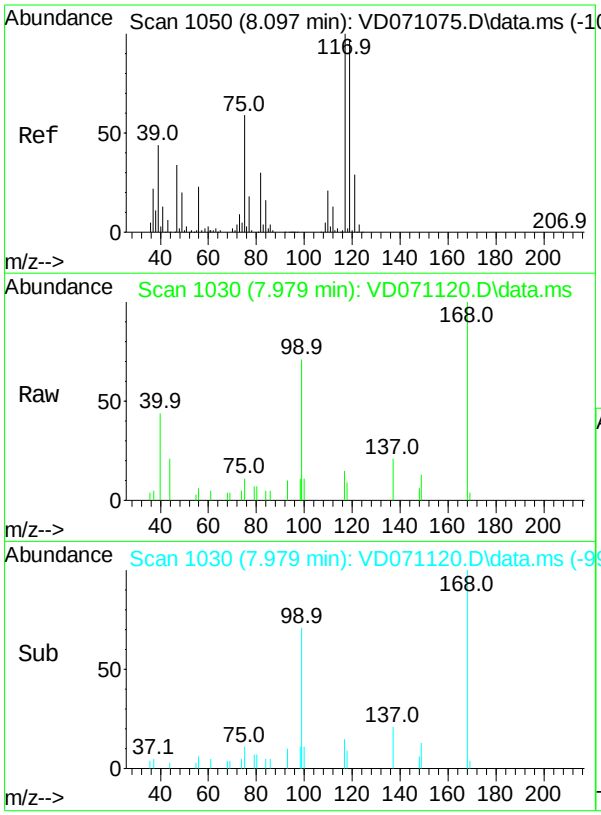
#36
1,1-Dichloropropene
Concen: 5.93 ug/l
RT: 7.967 min Scan# 1
Delta R.T. -0.147 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 1357

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

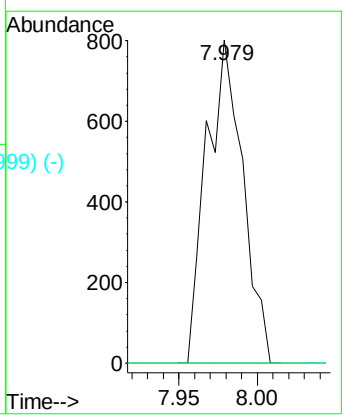


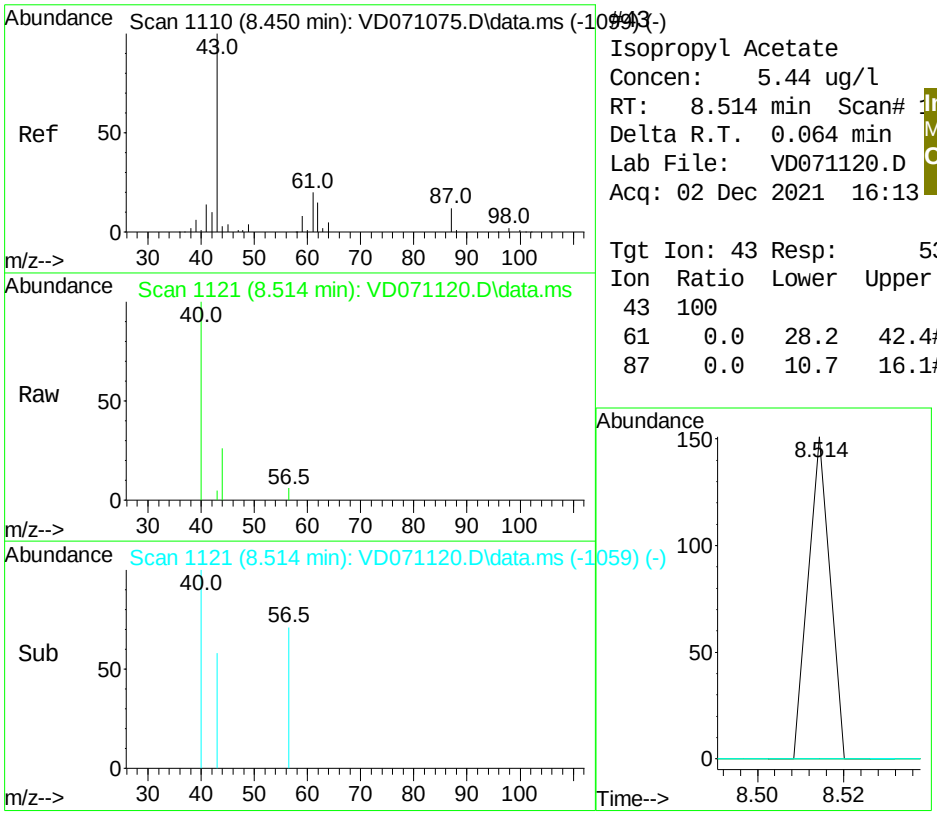


#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion:117 Resp: 1291

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	23.6	35.4#



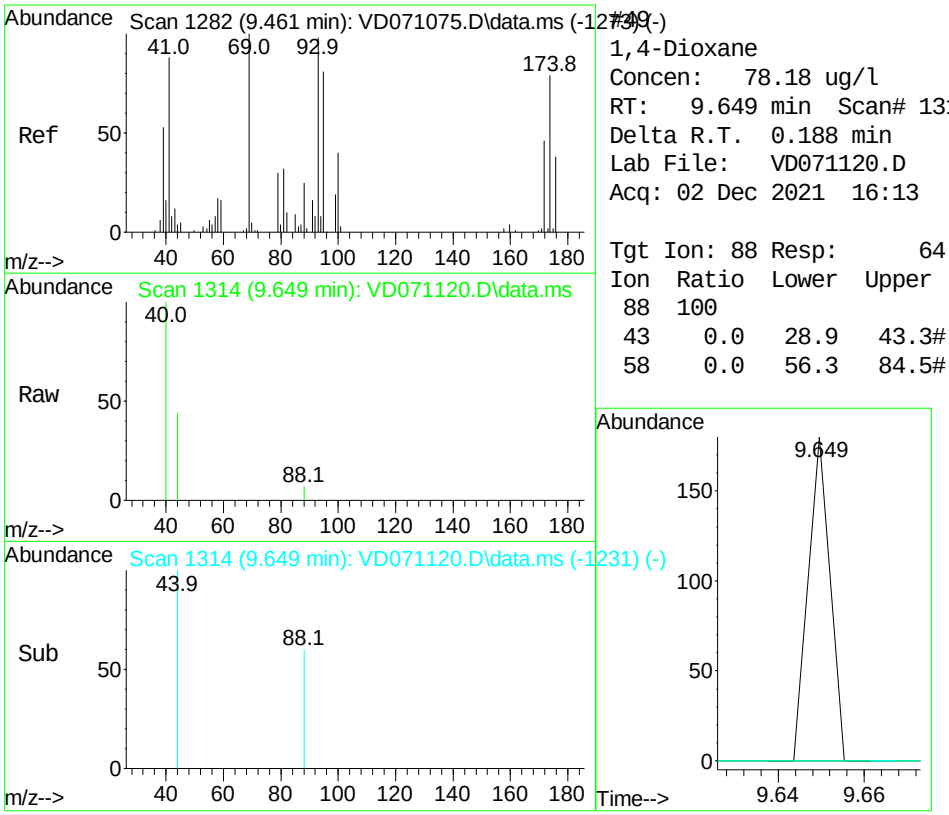


#43
Isopropyl Acetate
Concen: 5.44 ug/l
RT: 8.514 min Scan# 1
Delta R.T. 0.064 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 53

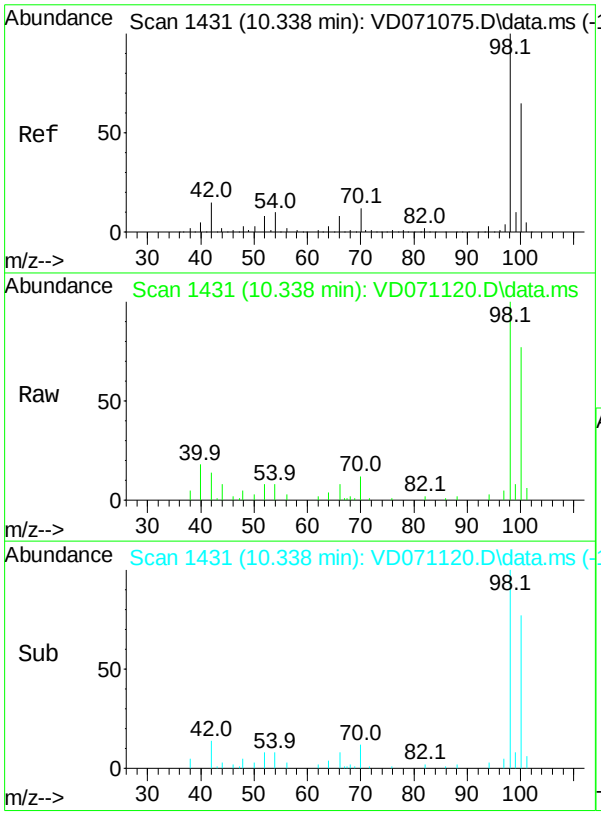
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



#49
1,4-Dioxane
Concen: 78.18 ug/l
RT: 9.649 min Scan# 1314
Delta R.T. 0.188 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 88 Resp: 64

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.9	43.3#
58	0.0	56.3	84.5#

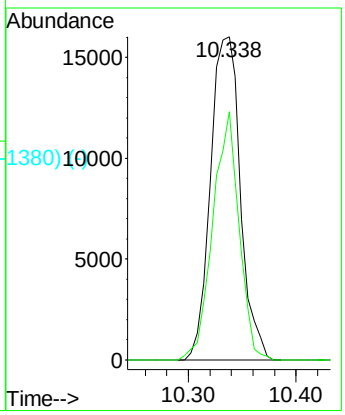


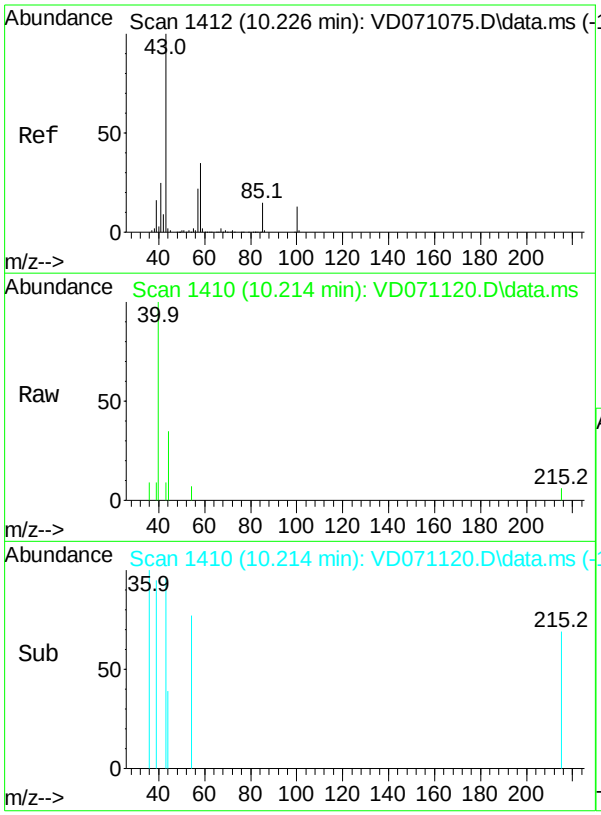
#50
Toluene-d8
Concen: 52.35 ug/l
RT: 10.338 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 98 Resp: 31057

Ion	Ratio	Lower	Upper
98	100		
100	67.5	51.8	77.6

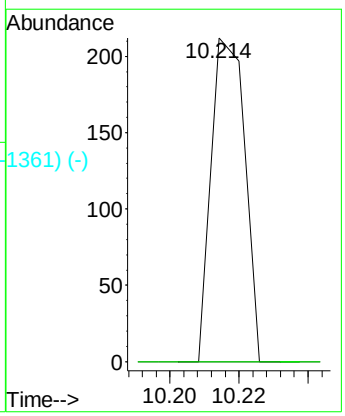


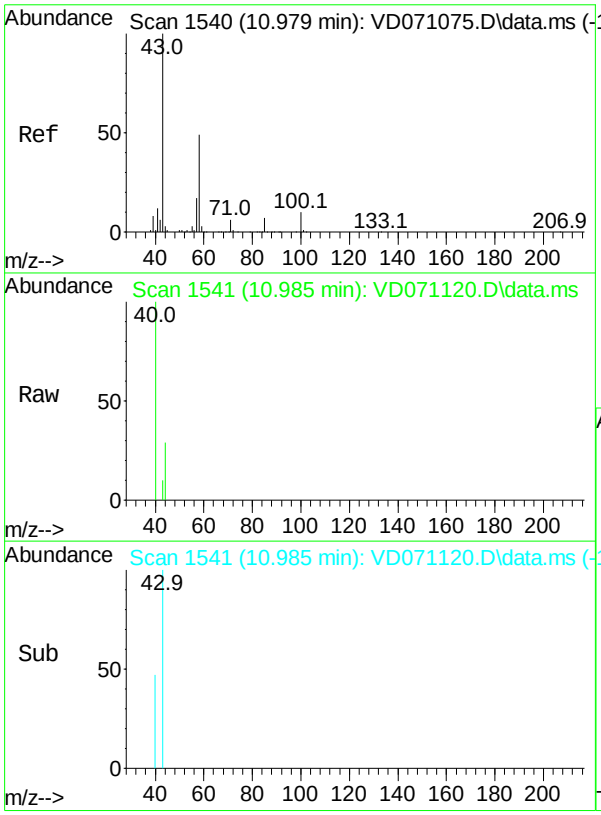


#52
4-Methyl-2-Pentanone
Concen: 31.79 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 43 Resp: 144

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.1	49.7#



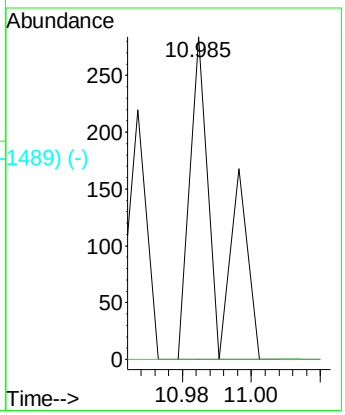


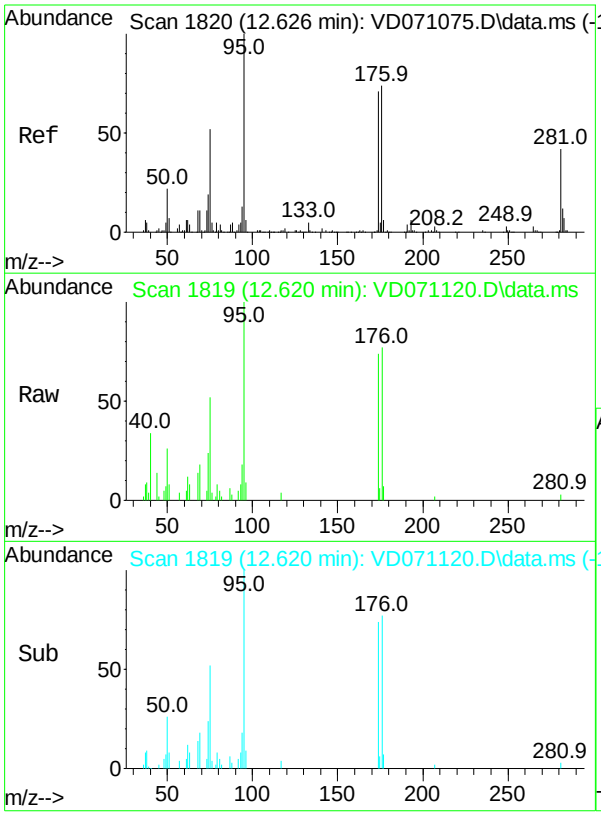
#59
2-Hexanone
Concen: 36.22 ug/l
RT: 10.985 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 160

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	86.1#

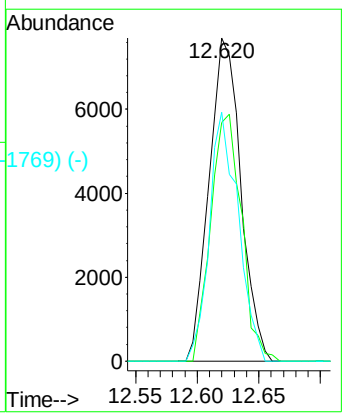


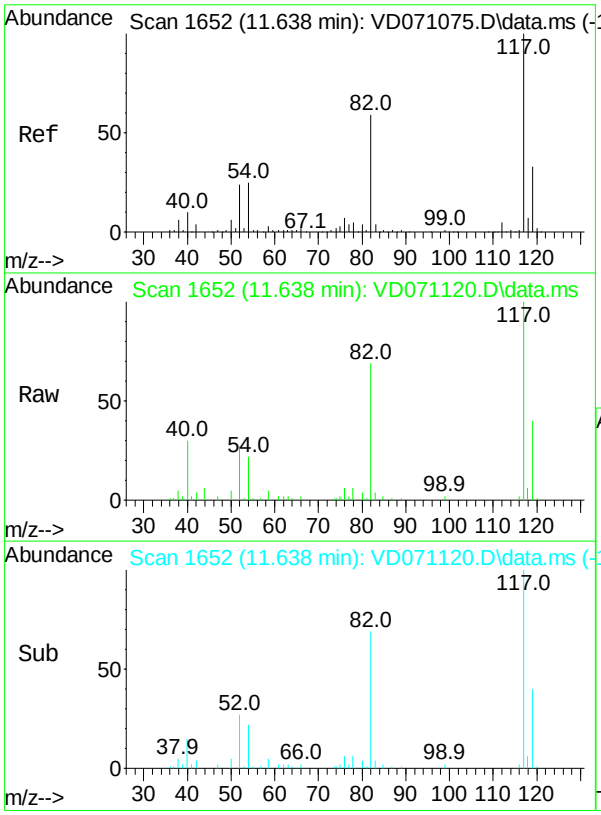


#62
4-Bromofluorobenzene
Concen: 67.00 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 95 Resp: 13779

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	159.4
176	70.0	0.0	154.0



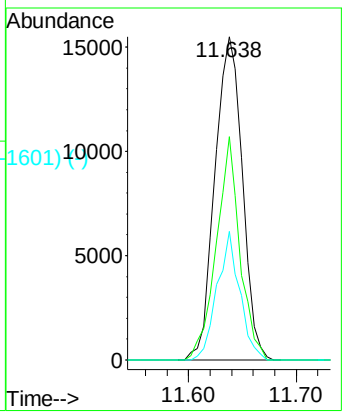


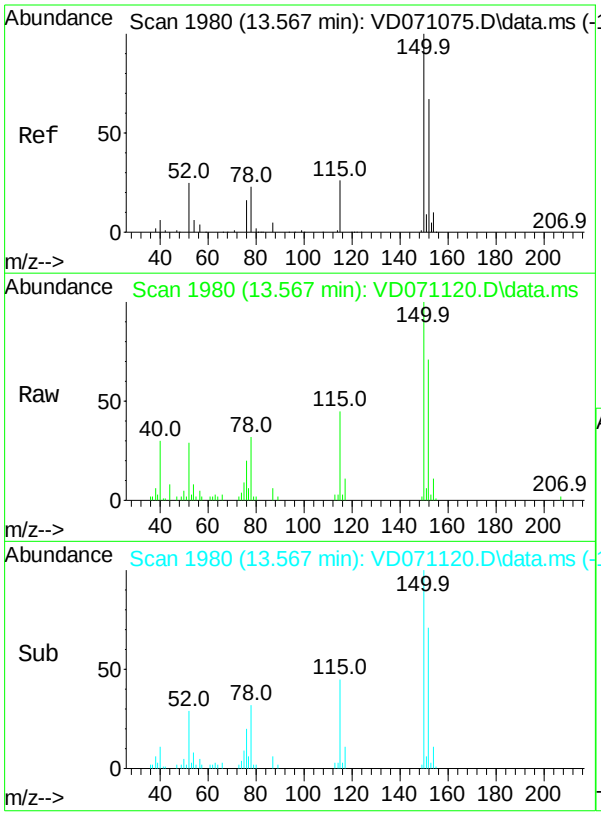
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 27637

Ion	Ratio	Lower	Upper
117	100		
82	69.1	44.7	67.1#
119	39.7	26.2	39.4#

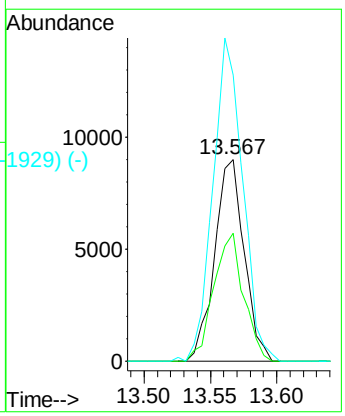


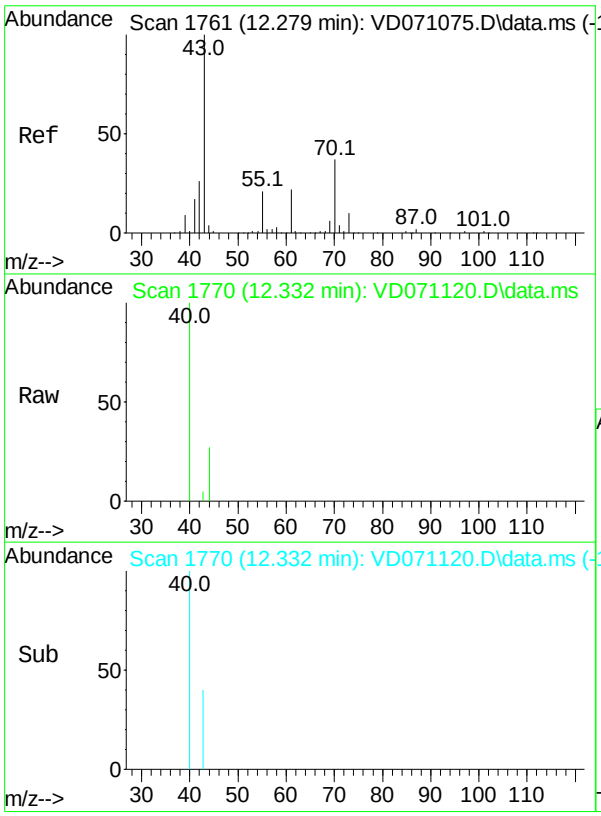


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion:152 Resp: 13903

Ion	Ratio	Lower	Upper
152	100		
115	64.2	29.8	89.3
150	161.4	0.0	349.2



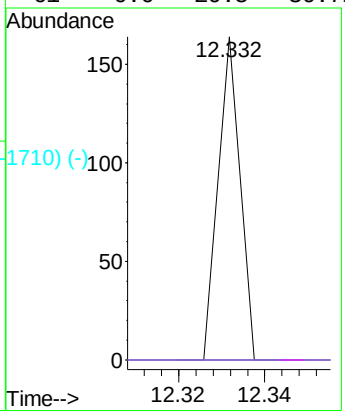


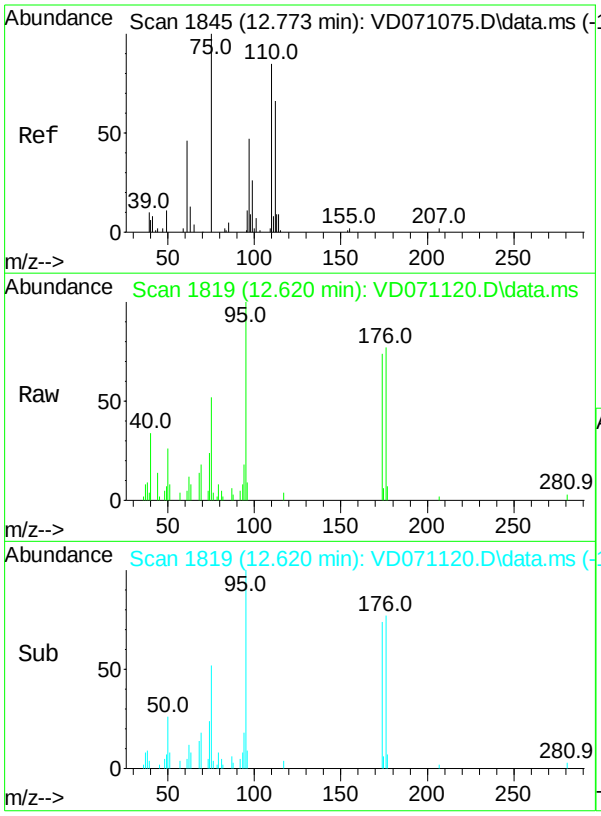
#74
N-amyl acetate
Concen: 5.89 ug/l
RT: 12.332 min Scan# 1
Delta R.T. 0.053 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#

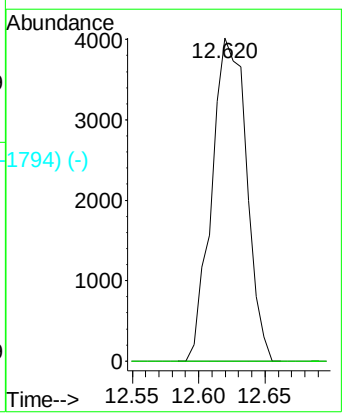


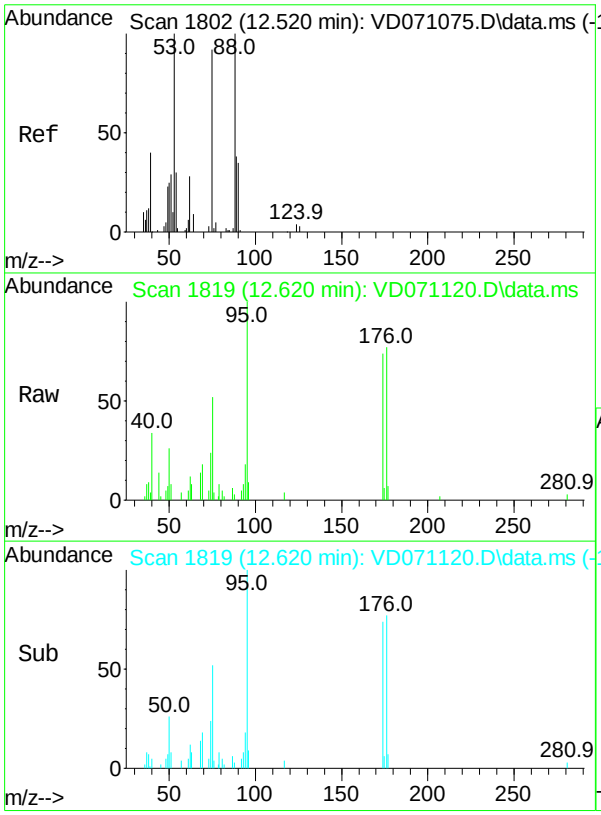


#76
1,2,3-Trichloropropane
Concen: 55.14 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Tgt Ion: 75 Resp: 7304

Ion	Ratio	Lower	Upper
75	100		
77	0.0	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 119.85 ug/l
RT: 12.620 min Scan# 1
Delta R.T. 0.100 min
Lab File: VD071120.D
Acq: 02 Dec 2021 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 7304

Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.6	94.0#
89	0.0	34.5	51.7#