Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122319\
Data File : VD064567.D
Acq On : 23 Dec 2019 14:36
Operator : VA/SY
Sample : K6396-05MSD
Misc : 3.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-2-(4-5)MSD

Quant Time: Dec 24 05:54:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	151	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-11.65
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.58
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
50) Toluene-d8	10.36	98	146	40.74	ug/l	0.01
Spiked Amount 50.000			Recovery = 81.48%			
62) 4-Bromofluorobenzene	12.41	95	58	50.36	ug/l	-0.23
Spiked Amount 50.000			Recovery = 100.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.97	85	53	24.271	ug/l #	43
6) Chloroethane	2.99	64	63	29.639	ug/l #	44
12) 1,1-Dichloroethene	4.11	96	123	56.623	ug/l #	1
14) Allyl chloride	4.74	41	80	23.598	ug/l #	77
15) Acrylonitrile	5.47	53	58	120.735	ug/l #	16
16) Acetone	4.26	43	57	129.305	ug/l #	47
17) Carbon Disulfide	4.47	76	70	10.175	ug/l #	73
18) Methyl Acetate	4.78	43	54	41.996	ug/l #	51
19) Methyl tert-butyl Ether	5.68	73	69	13.848	ug/l #	54
20) Methylene Chloride	4.83	84	57	23.052	ug/l #	5
22) Diisopropyl ether	6.35	45	67	10.011	ug/l #	36
23) Vinyl Acetate	6.20	43	61	15.461	ug/l #	71
25) 2-Butanone	7.27	43	56	89.829	ug/l #	49
26) 2,2-Dichloropropane	7.47	77	55	15.714	ug/l #	52
27) cis-1,2-Dichloroethene	7.44	96	55	20.531	ug/l #	1
29) Tetrahydrofuran	7.40	42	60	151.276	ug/l #	33
31) Cyclohexane	7.94	56	71	17.196	ug/l #	15
36) 1,1-Dichloropropene	8.11	75	74	51.811	ug/l #	40
37) Ethyl Acetate	7.27	43	56	92.404	ug/l #	69
39) Methylcyclohexane	9.36	83	54	30.480	ug/l #	19
40) Benzene	8.35	78	75	18.907	ug/l #	51
41) Methacrylonitrile	7.53	41	67	192.777	ug/l #	26
43) Isopropyl Acetate	8.51	43	81	67.977	ug/l #	51
48) Methyl methacrylate	9.47	41	258	473.168	ug/l #	9
51) 4-Methyl-2-Pentanone	10.26	43	57	96.678	ug/l #	37
59) 2-Hexanone	10.99	43	61	149.105	ug/l #	26
60) Dibromochloromethane	10.87	129	67	67.399	ug/l #	11

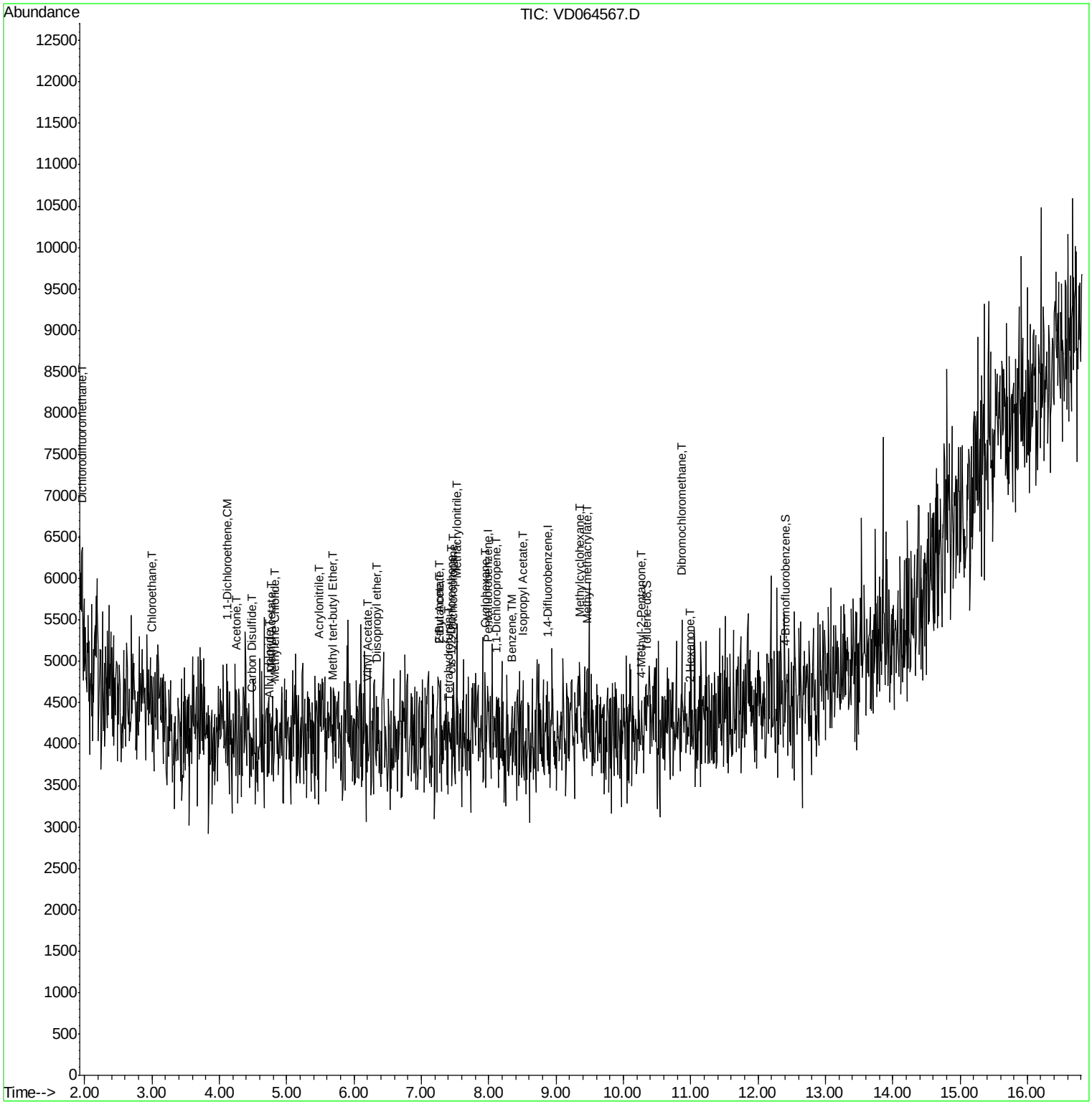
(#) = qualifier out of range (m) = manual integration (+) = signals summed

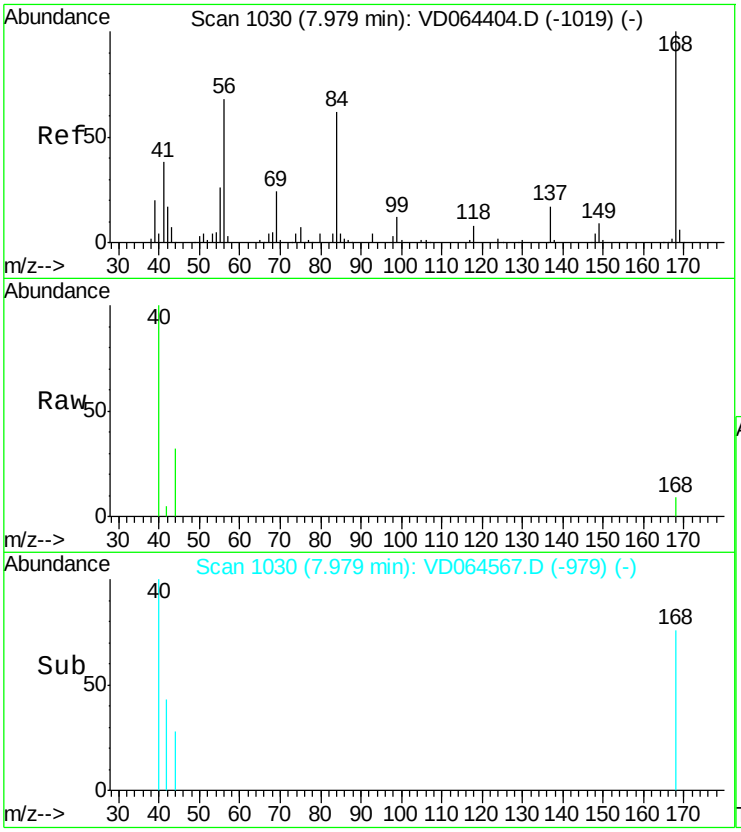
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122319\
Data File : VD064567.D
Acq On : 23 Dec 2019 14:36
Operator : VA/SY
Sample : K6396-05MSD
Misc : 3.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SB-2-(4-5)MSD

Quant Time: Dec 24 05:54:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration



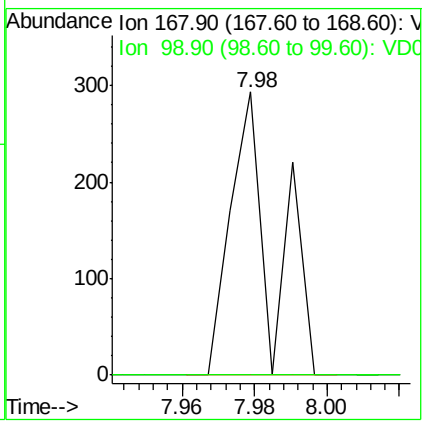


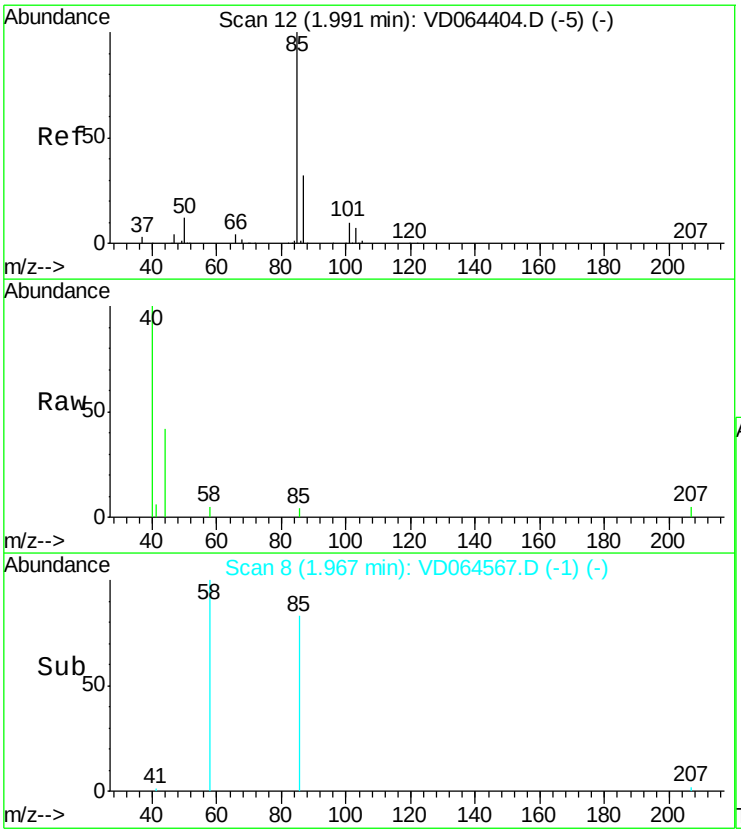
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion:168 Resp: 241

Ion	Ratio	Lower	Upper
168	100		
99	0.0	40.7	61.1#

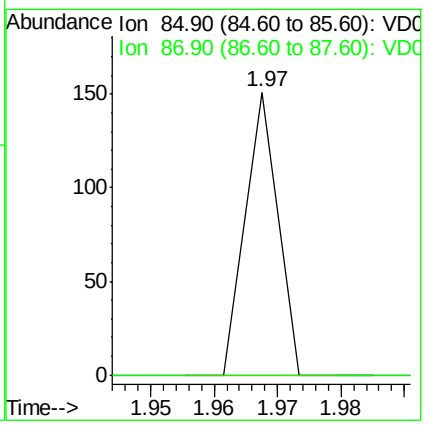


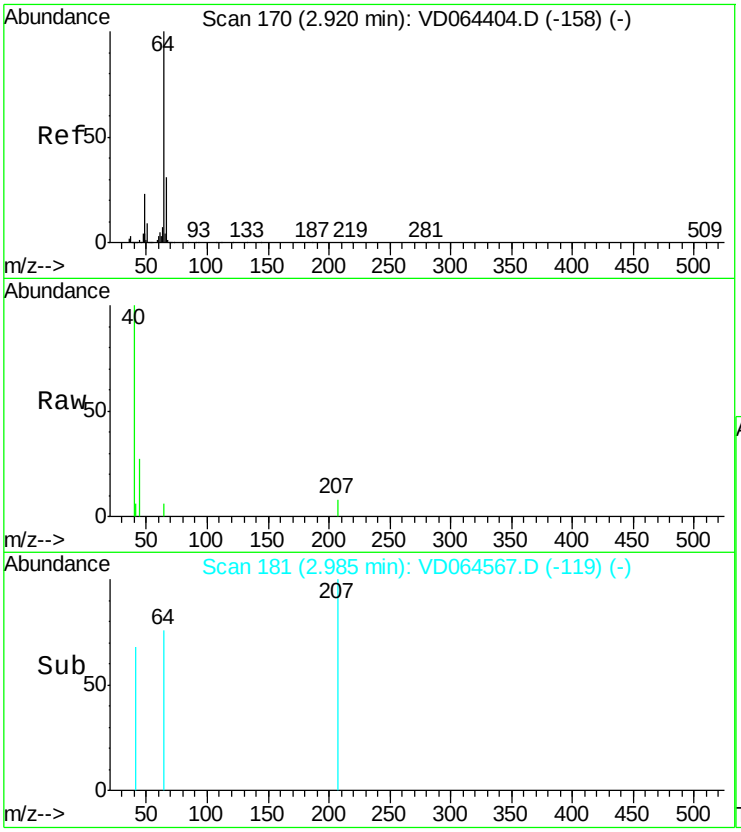


#2
Dichlorodifluoromethane
Concen: 24.271 ug/l
RT: 1.97 min Scan# 8
Delta R.T. -0.02 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 85 Resp: 53

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.1	48.2#



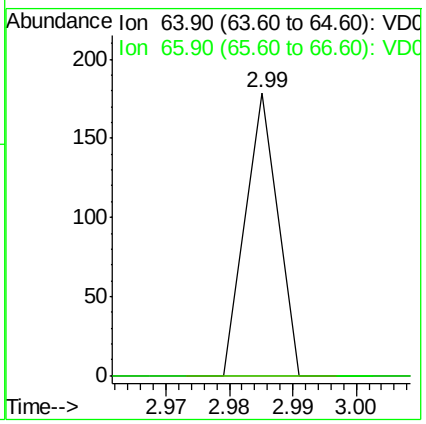


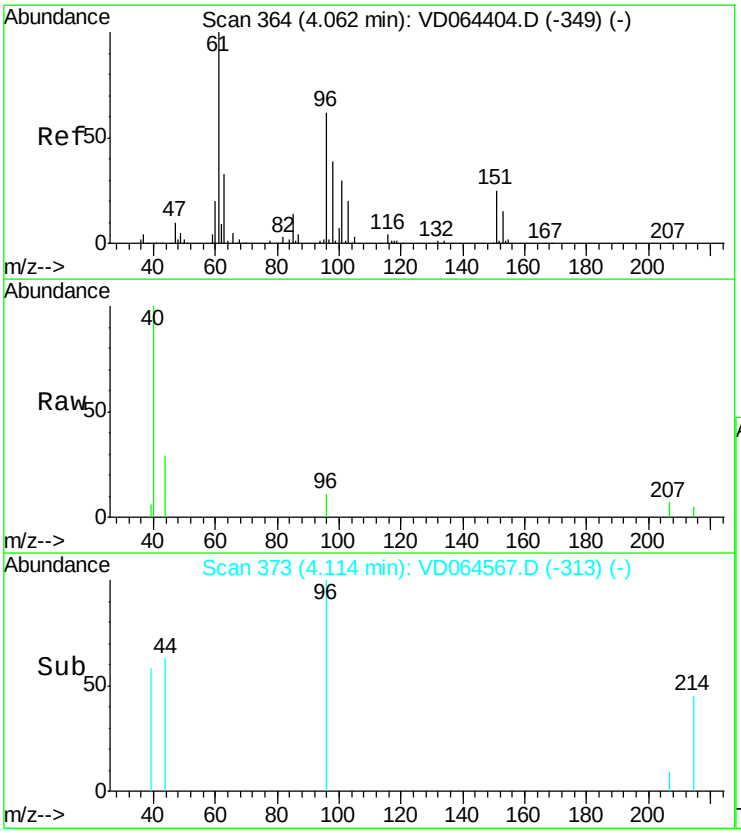
#6
Chloroethane
Concen: 29.639 ug/l
RT: 2.99 min Scan# 181
Delta R.T. 0.06 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument : MSVOA_D
ClientSampleId : SB-2-(4-5)MSD

Tgt Ion: 64 Resp: 63

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.6	37.0#

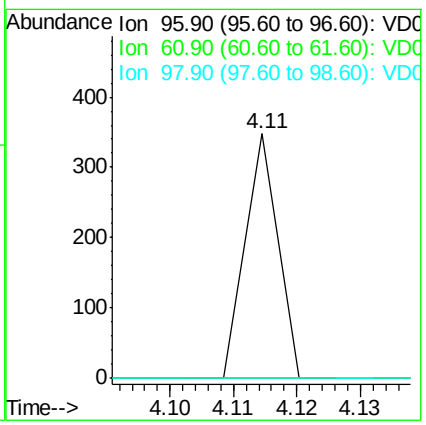


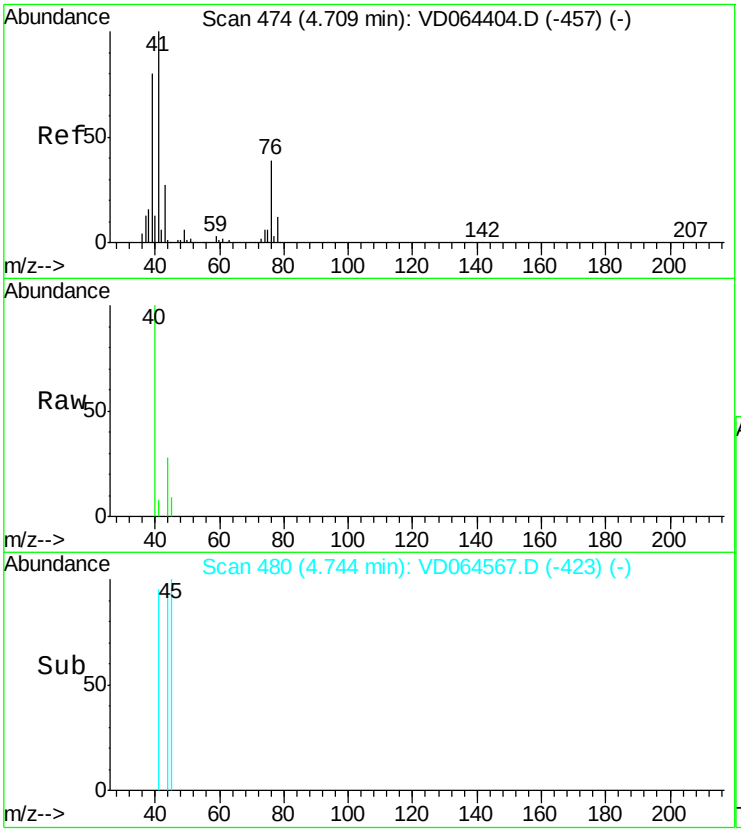


#12
1,1-Dichloroethene
Concen: 56.623 ug/l
RT: 4.11 min Scan# 373
Delta R.T. 0.05 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 96 Resp: 123

Ion	Ratio	Lower	Upper
96	100		
61	0.0	128.2	192.4#
98	0.0	50.4	75.6#



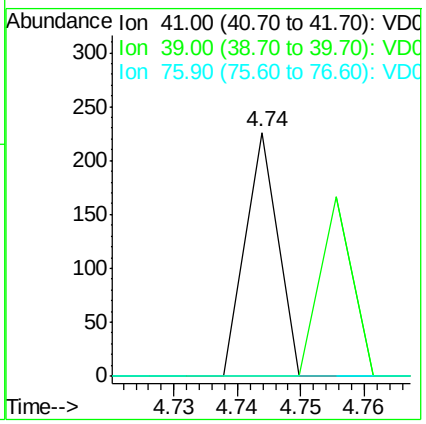


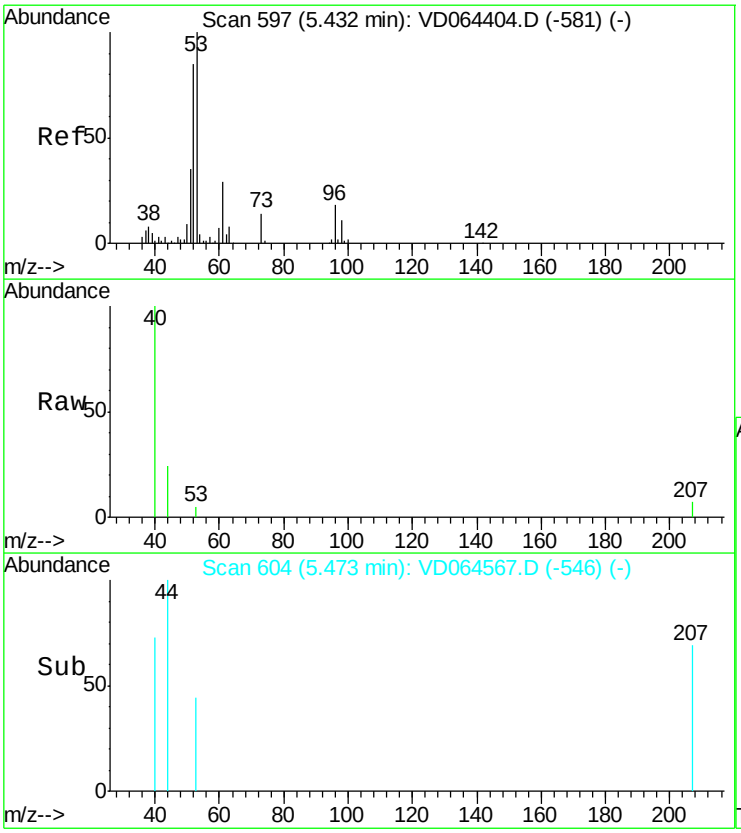
#14
Allyl chloride
Concen: 23.598 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.04 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 41 Resp: 80

Ion	Ratio	Lower	Upper
41	100		
39	73.8	62.1	93.1
76	0.0	29.8	44.8#

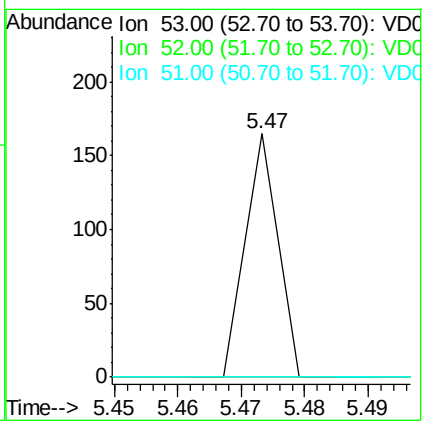


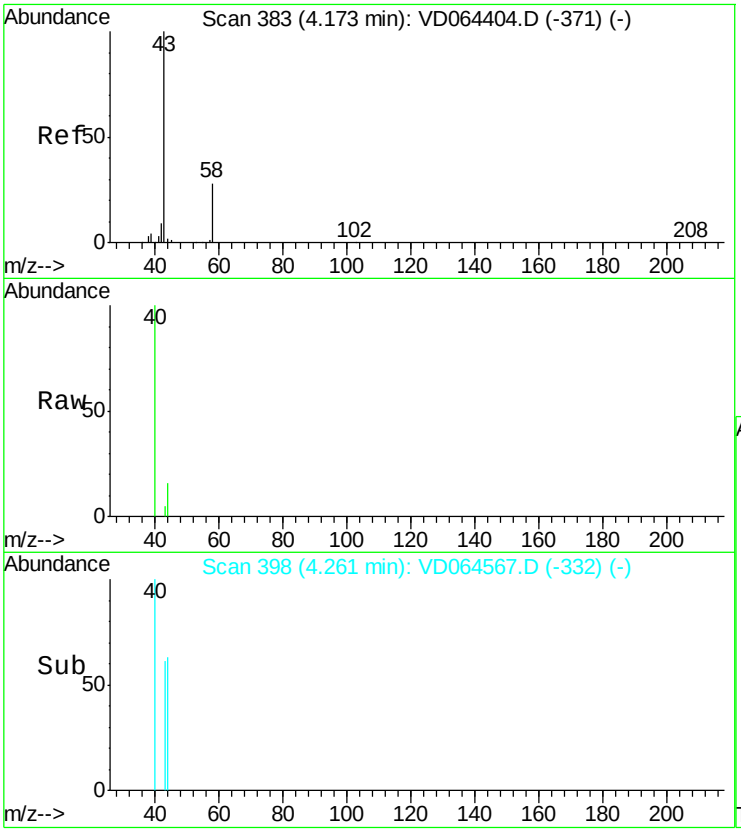


#15
Acrylonitrile
Concen: 120.735 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.04 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 53 Resp: 58

Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.9	101.9#
51	0.0	30.6	45.8#



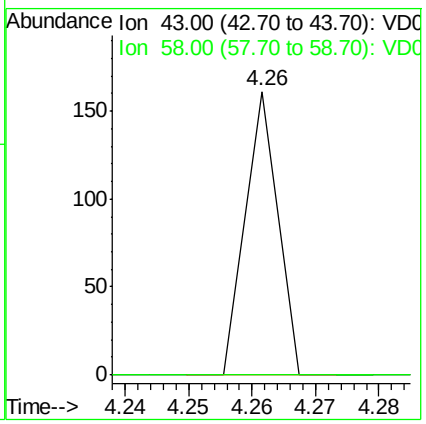


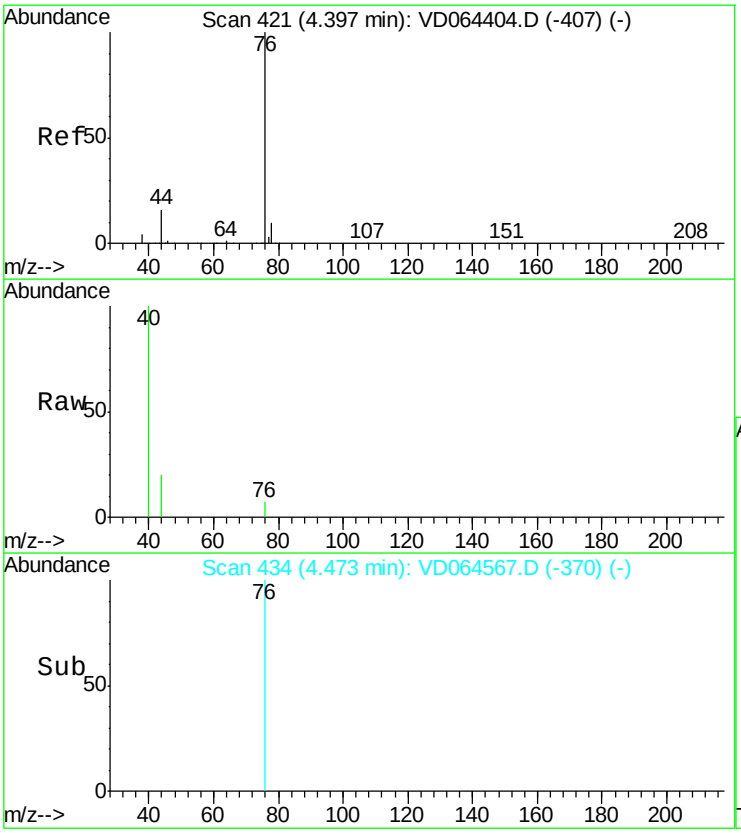
#16
Acetone
Concen: 129.305 ug/l
RT: 4.26 min Scan# 398
Delta R.T. 0.09 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 57

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.6	33.8#

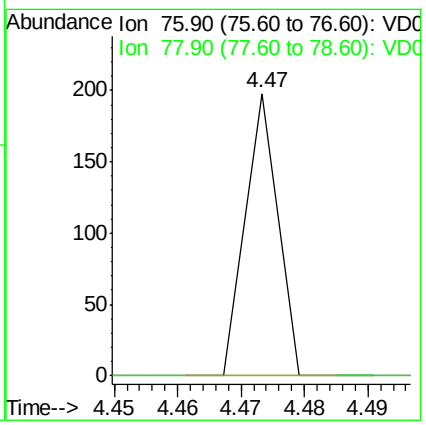


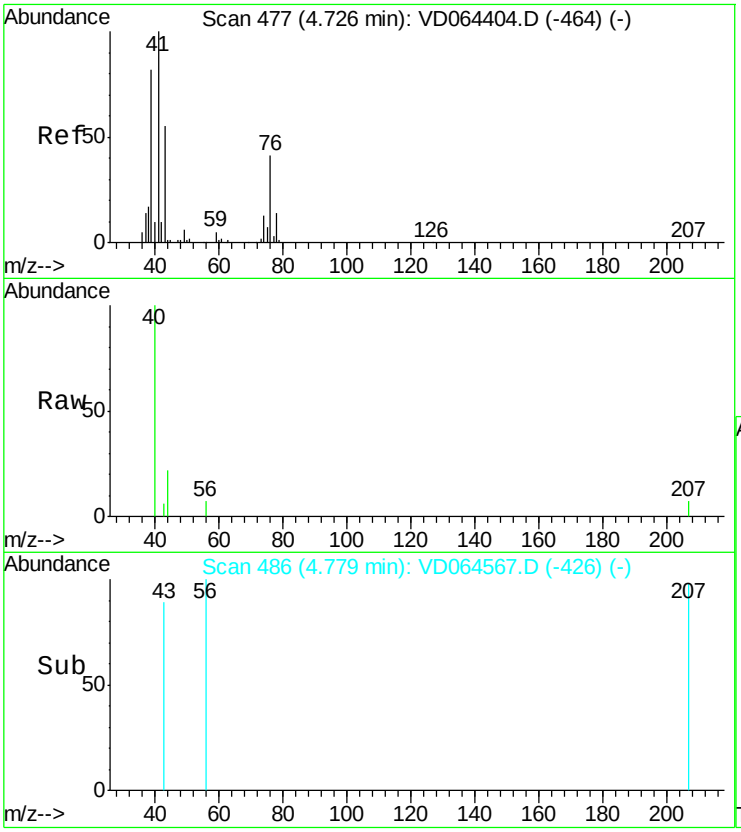


#17
Carbon Disulfide
Concen: 10.175 ug/l
RT: 4.47 min Scan# 434
Delta R.T. 0.08 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 76 Resp: 70

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.8	11.8#



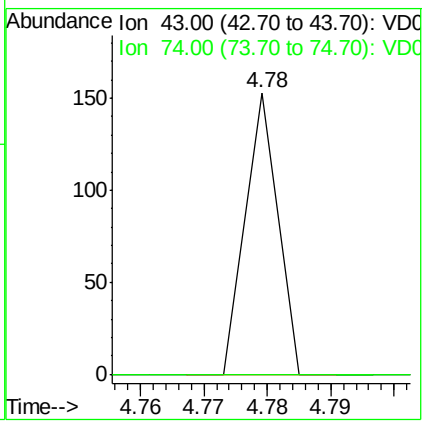


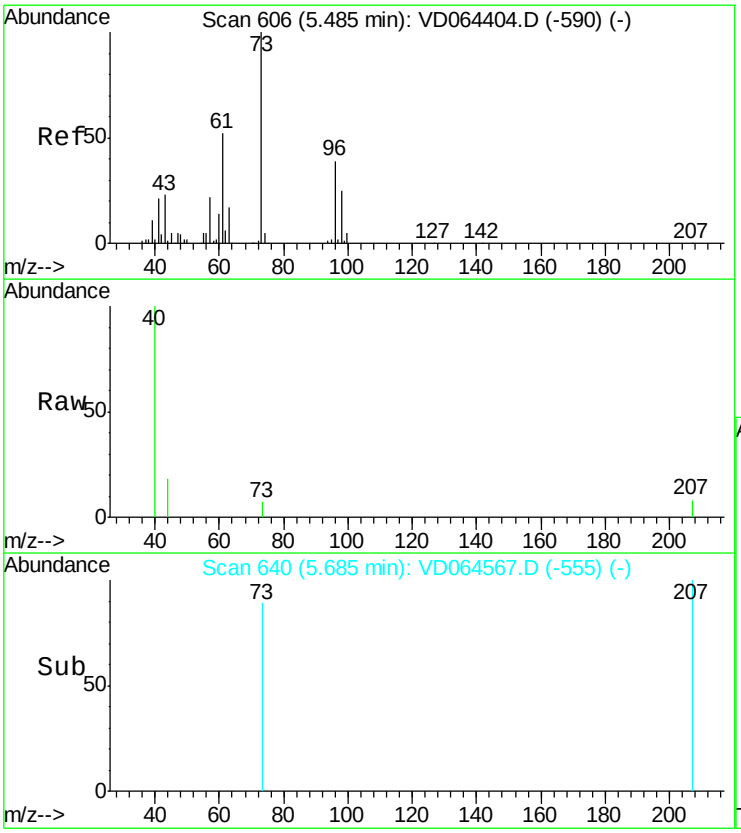
#18
Methyl Acetate
Concen: 41.996 ug/l
RT: 4.78 min Scan# 486
Delta R.T. 0.05 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 54

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.7	29.5#

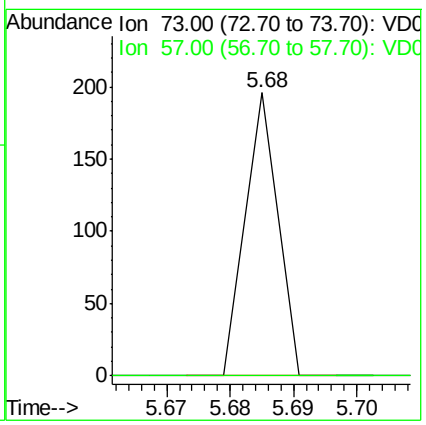


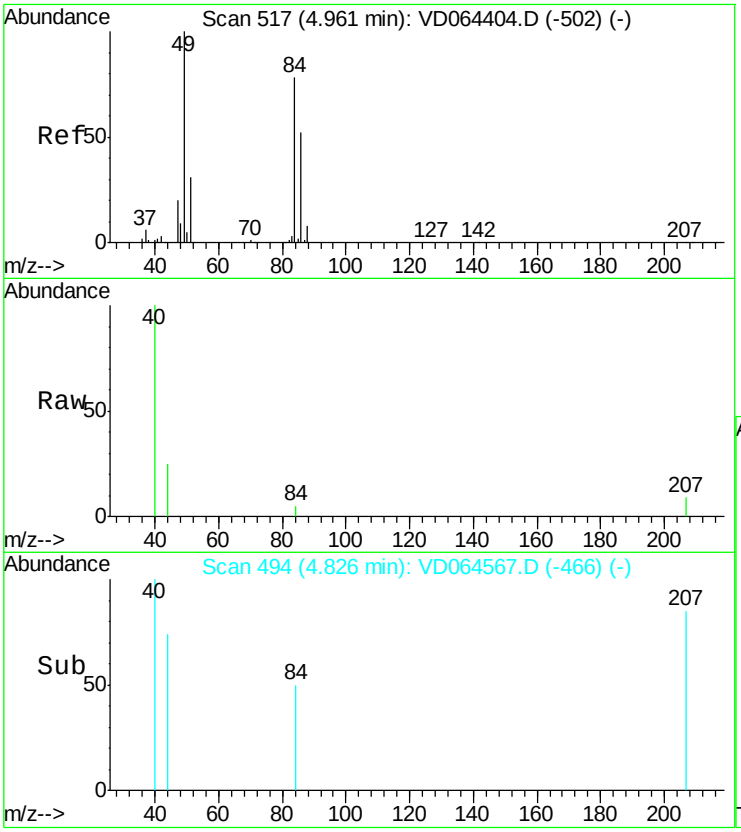


#19
Methyl tert-butyl Ether
Concen: 13.848 ug/l
RT: 5.68 min Scan# 640
Delta R.T. 0.20 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 73 Resp: 69

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.6	26.4#



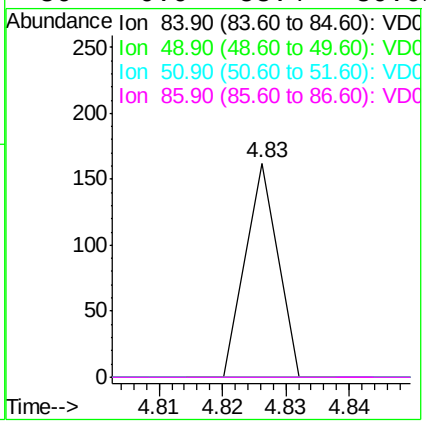


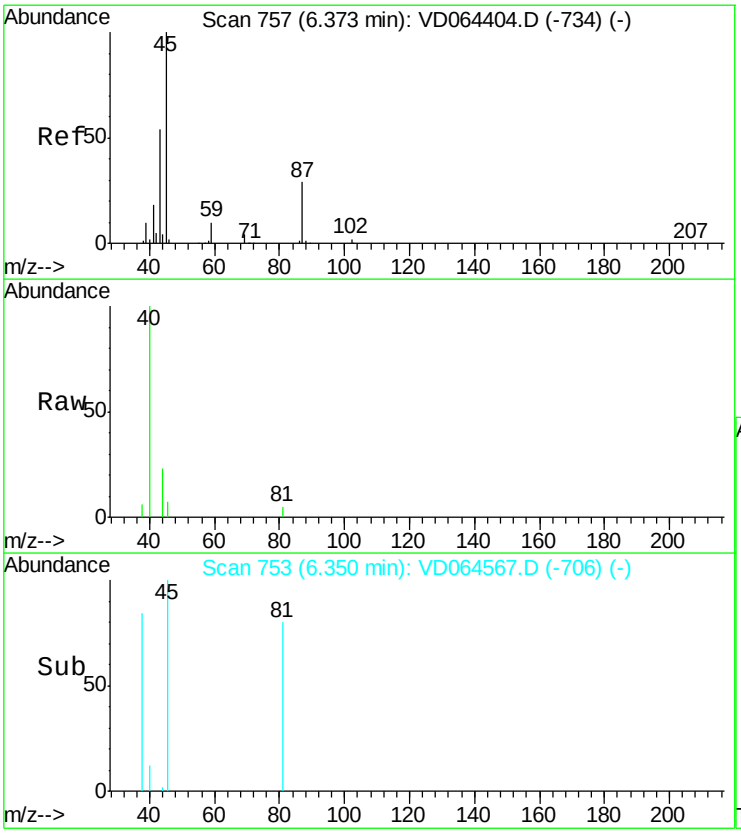
#20
Methylene Chloride
Concen: 23.052 ug/l
RT: 4.83 min Scan# 494
Delta R.T. -0.13 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument : MSVOA_D
ClientSampleId : SB-2-(4-5)MSD

Tgt Ion: 84 Resp: 57

Ion	Ratio	Lower	Upper
84	100		
49	0.0	102.6	153.8#
51	0.0	32.0	48.0#
86	0.0	53.4	80.0#

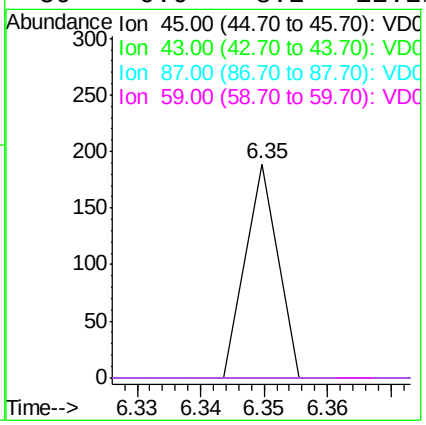


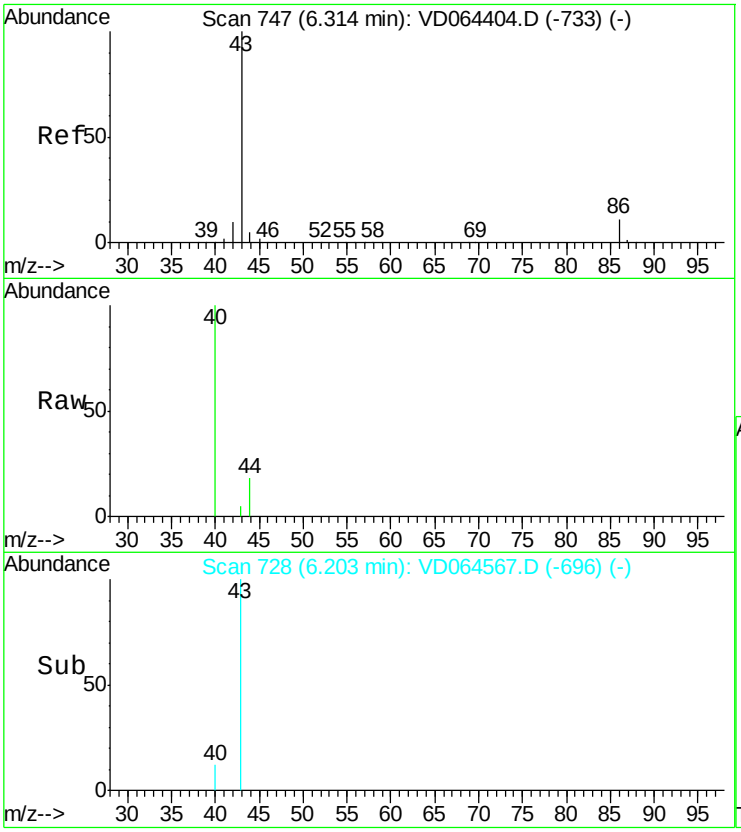


#22
Diisopropyl ether
Concen: 10.011 ug/l
RT: 6.35 min Scan# 753
Delta R.T. -0.02 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 45 Resp: 67

Ion	Ratio	Lower	Upper
45	100		
43	0.0	43.1	64.7#
87	0.0	23.5	35.3#
59	0.0	8.2	12.2#



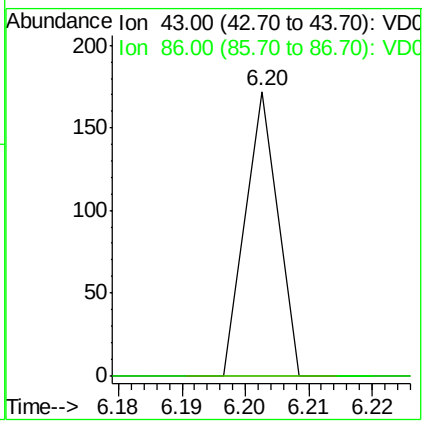


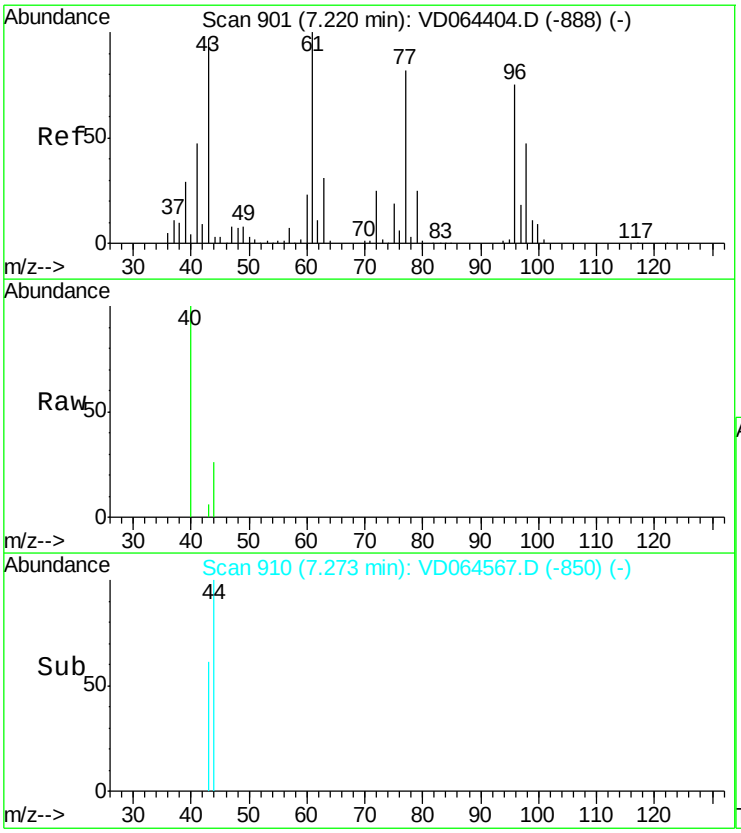
#23
Vinyl Acetate
Concen: 15.461 ug/l
RT: 6.20 min Scan# 728
Delta R.T. -0.11 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#

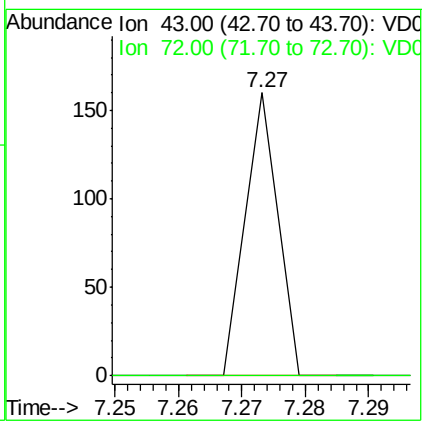


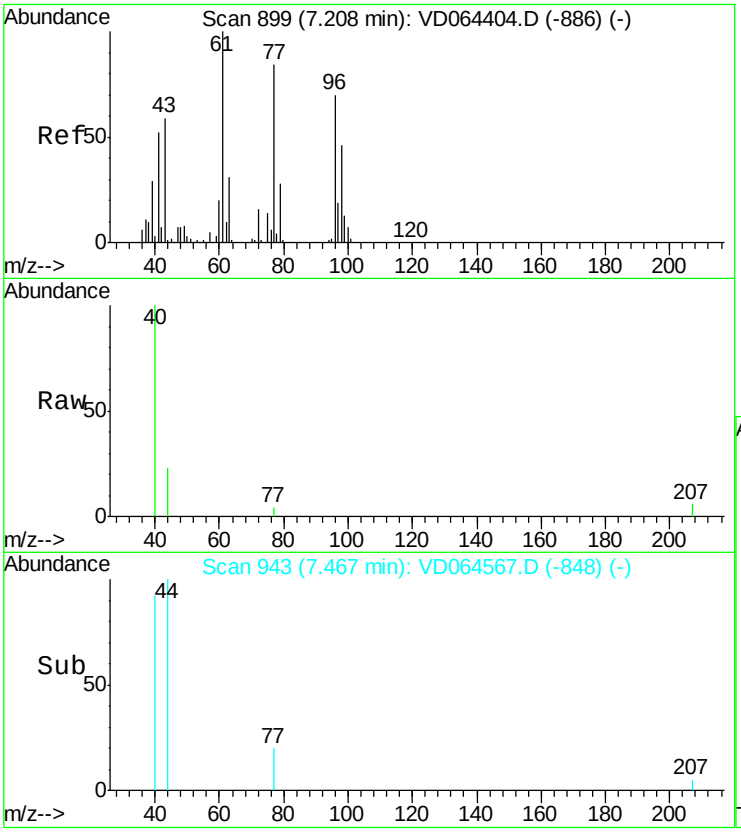


#25
2-Butanone
Concen: 89.829 ug/l
RT: 7.27 min Scan# 910
Delta R.T. 0.05 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#



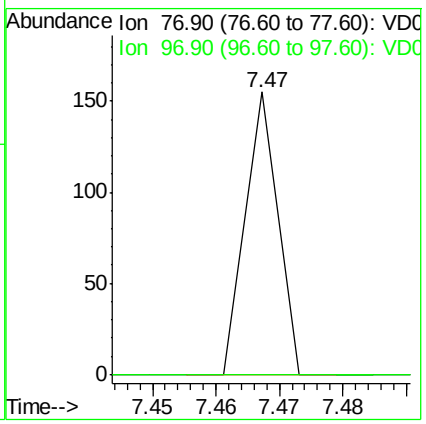


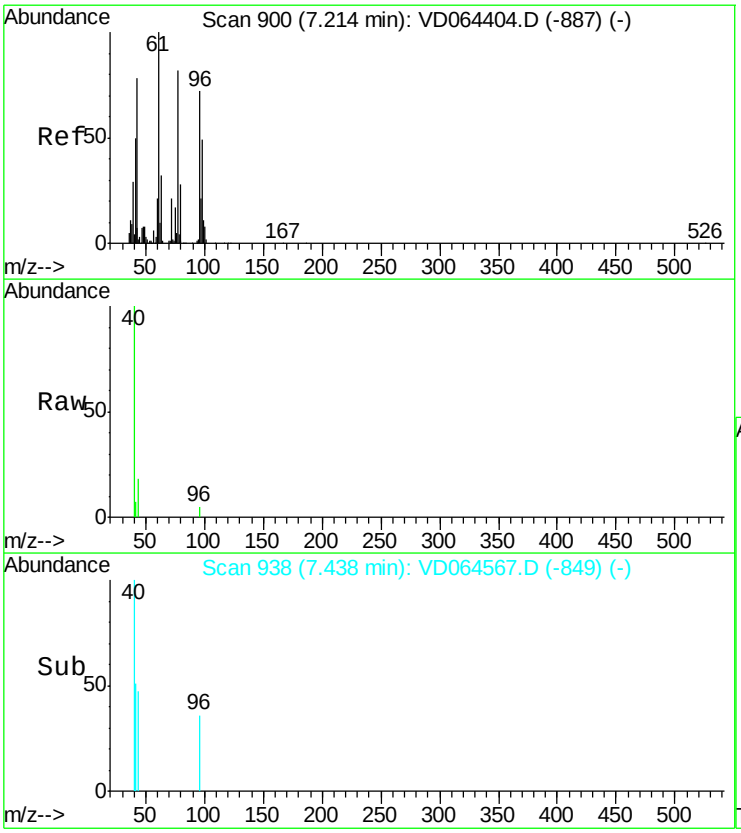
#26
2,2-Dichloropropane
Concen: 15.714 ug/l
RT: 7.47 min Scan# 943
Delta R.T. 0.26 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 77 Resp: 55

Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.6	34.7#

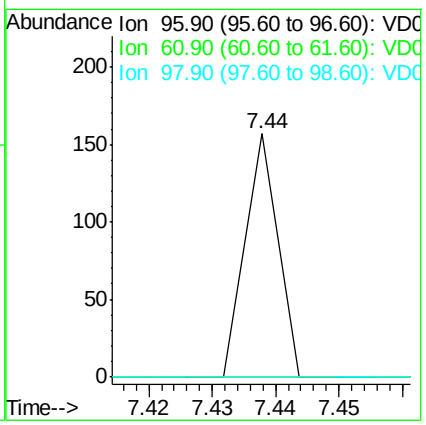


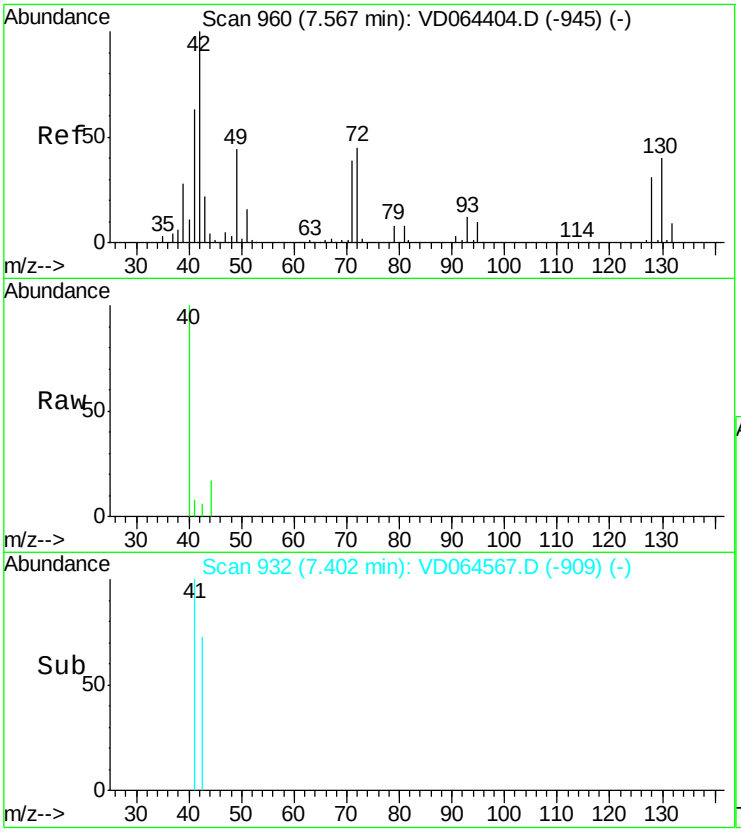


#27
cis-1,2-Dichloroethene
Concen: 20.531 ug/l
RT: 7.44 min Scan# 938
Delta R.T. 0.22 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 96 Resp: 55

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	279.6
98	0.0	0.0	129.2



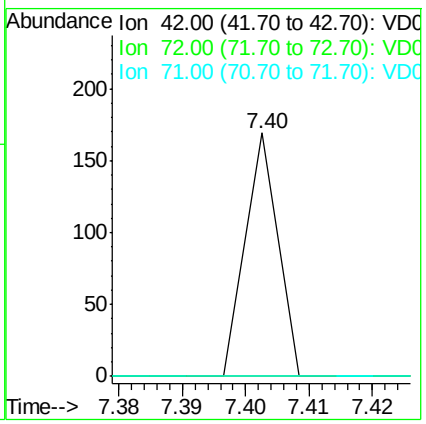


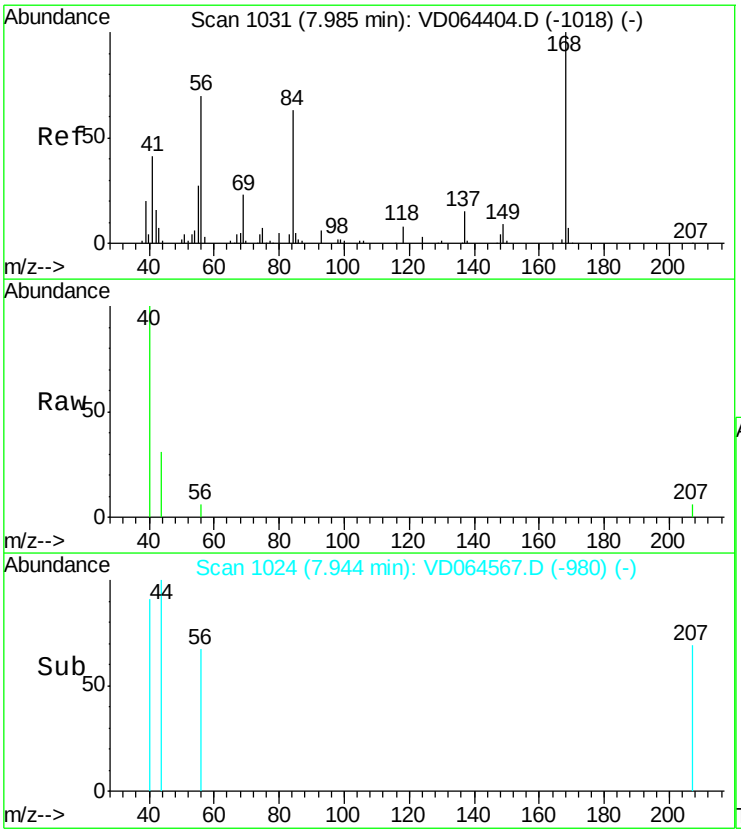
#29
Tetrahydrofuran
Concen: 151.276 ug/l
RT: 7.40 min Scan# 932
Delta R.T. -0.16 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 42 Resp: 60

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.8	53.8#
71	0.0	32.7	49.1#

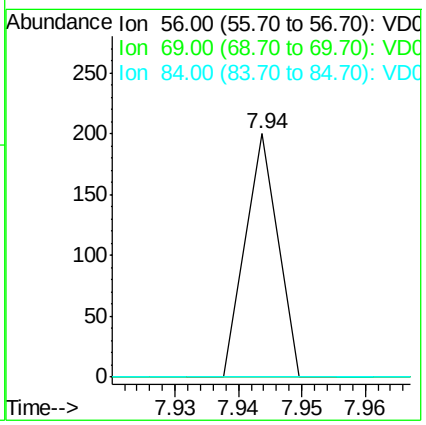


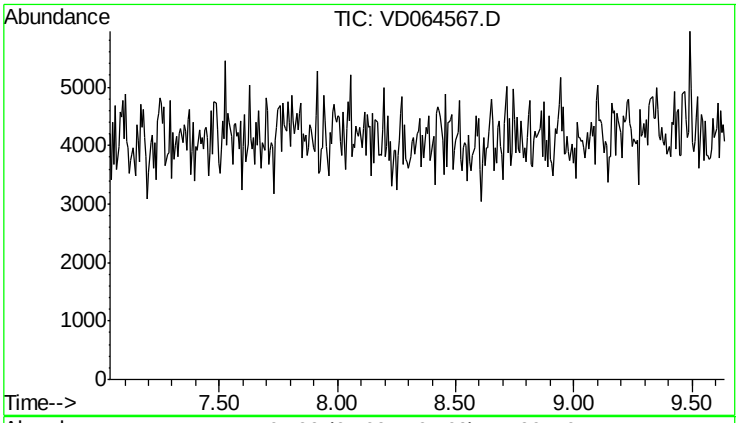


#31
Cyclohexane
Concen: 17.196 ug/l
RT: 7.94 min Scan# 1024
Delta R.T. -0.04 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 56 Resp: 71

Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.2	39.4#
84	0.0	70.3	105.5#





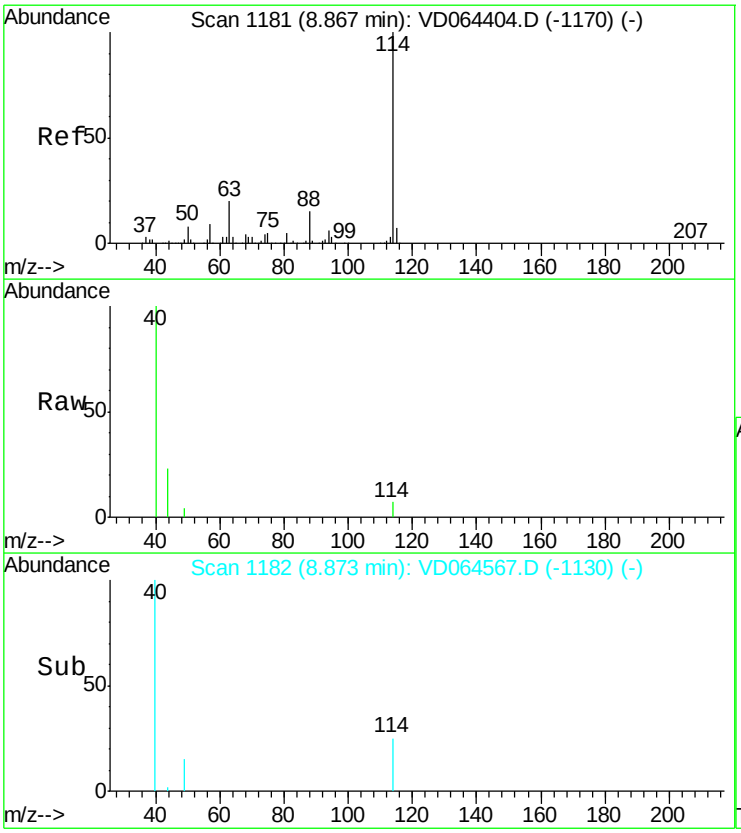
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.34 min

Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.0

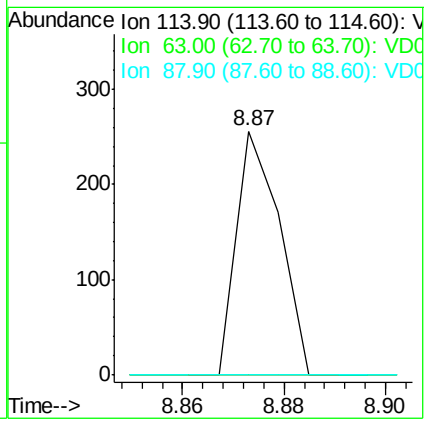
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

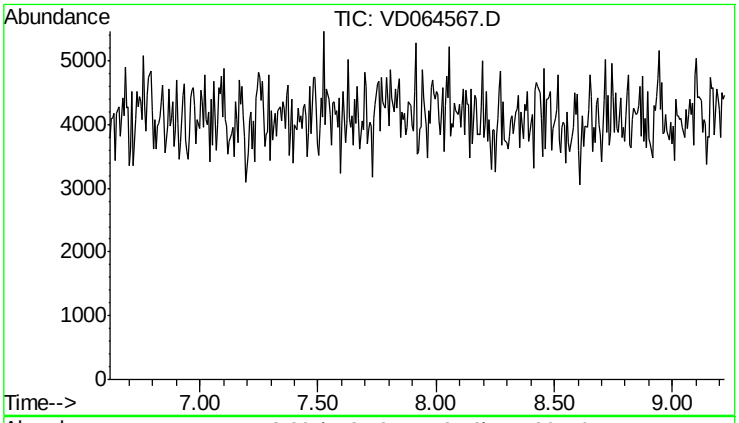


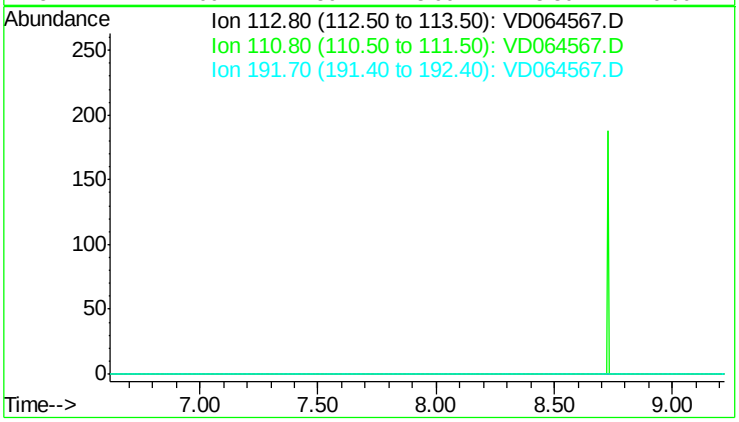
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion:114 Resp: 151

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	40.0
88	0.0	0.0	29.2







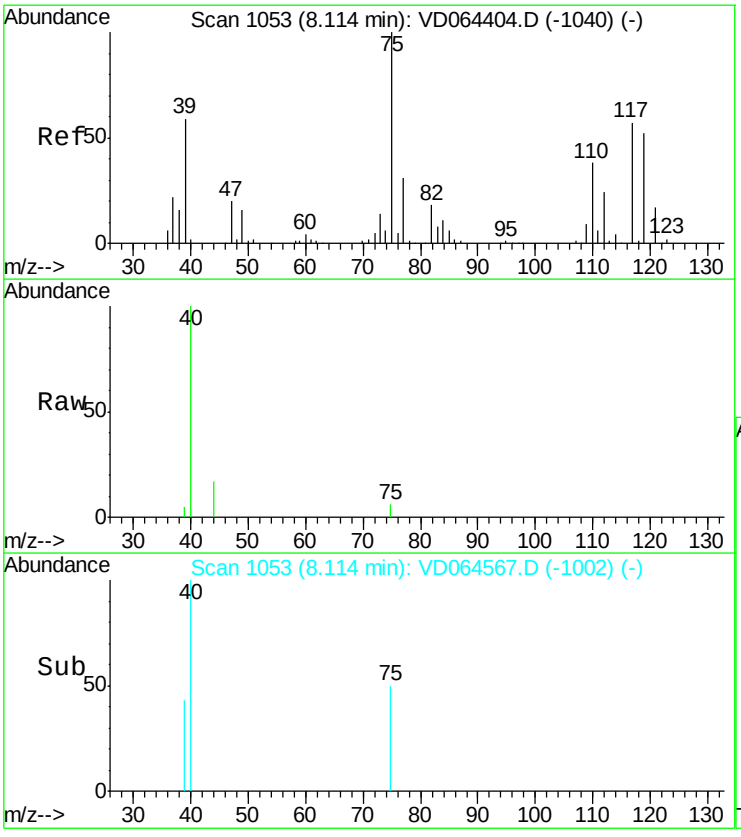
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.92 min

Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 113

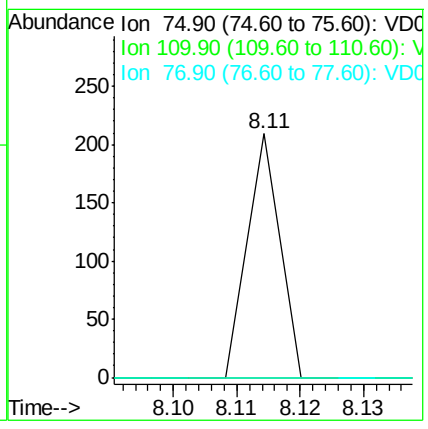
Sig	Exp Ratio
113	100
111	99.3
192	23.3

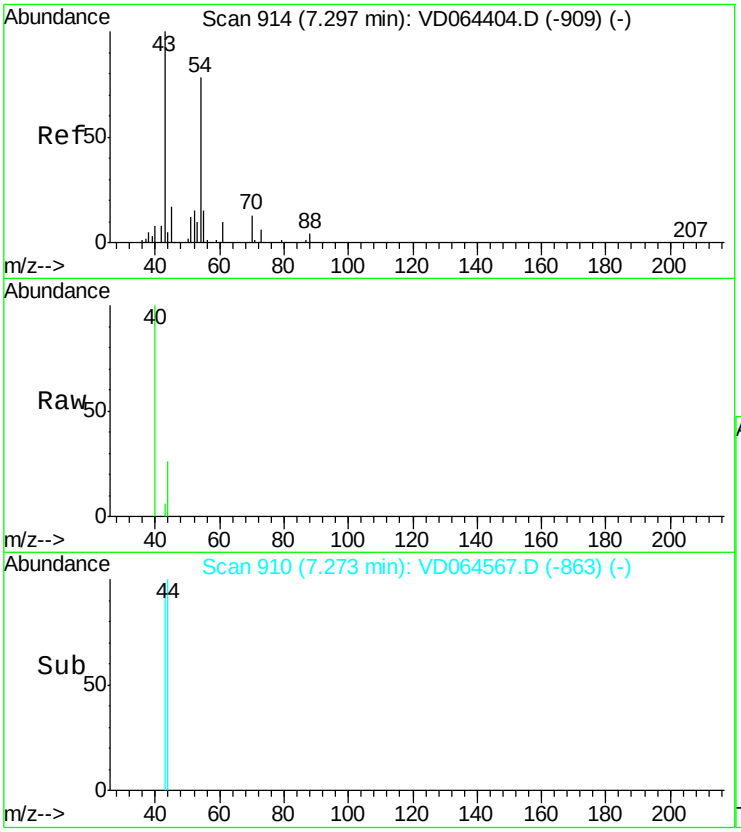


#36
1,1-Dichloropropene
Concen: 51.811 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 75 Resp: 74

Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.6	55.8#
77	0.0	25.0	37.4#



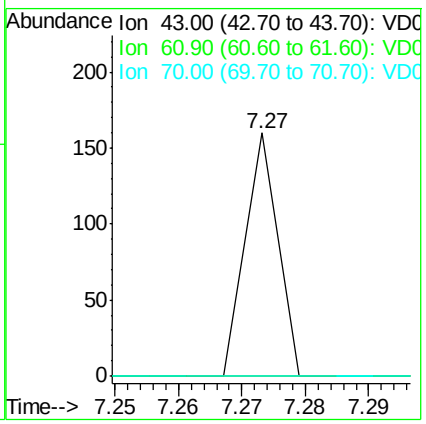


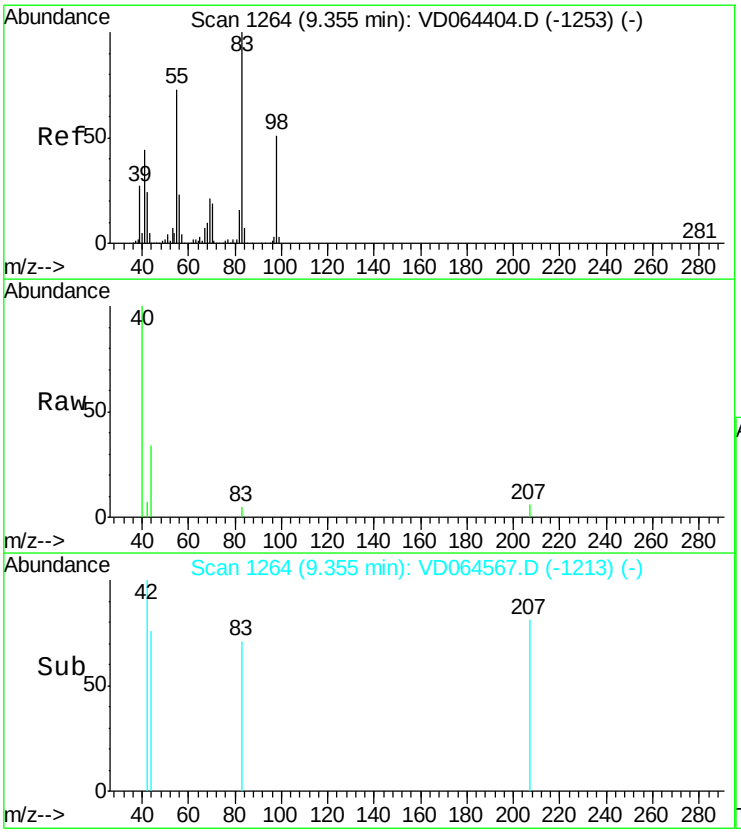
#37
Ethyl Acetate
Concen: 92.404 ug/l
RT: 7.27 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.3	12.5#

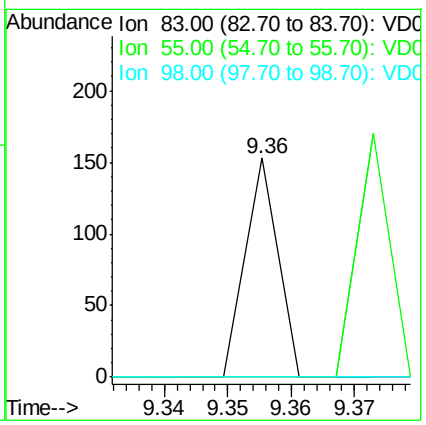


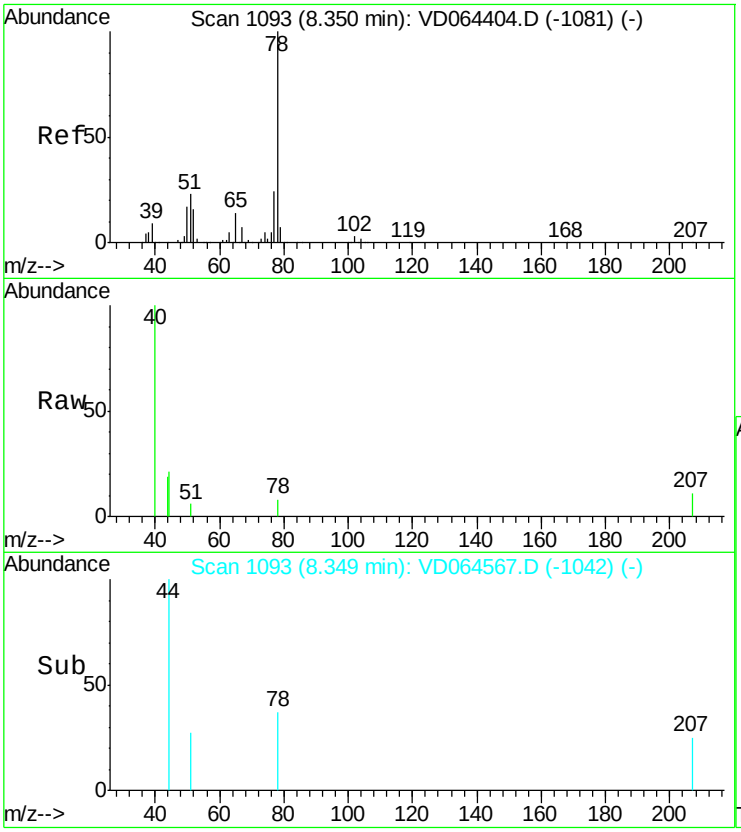


#39
Methylcyclohexane
Concen: 30.480 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 83 Resp: 54

Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.6	87.8#
98	0.0	40.9	61.3#



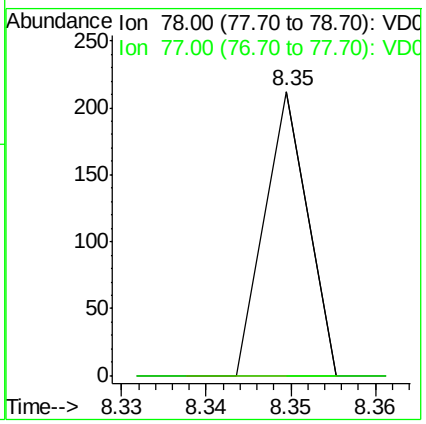


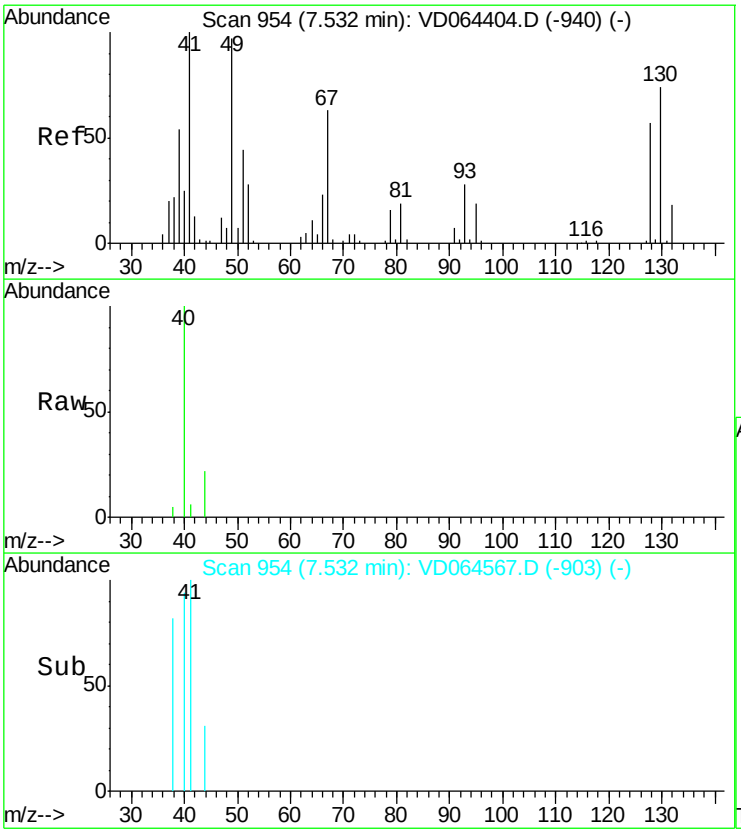
#40
Benzene
Concen: 18.907 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 78 Resp: 75

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.6	29.4#

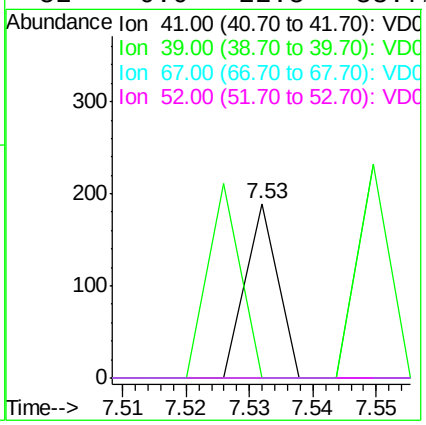


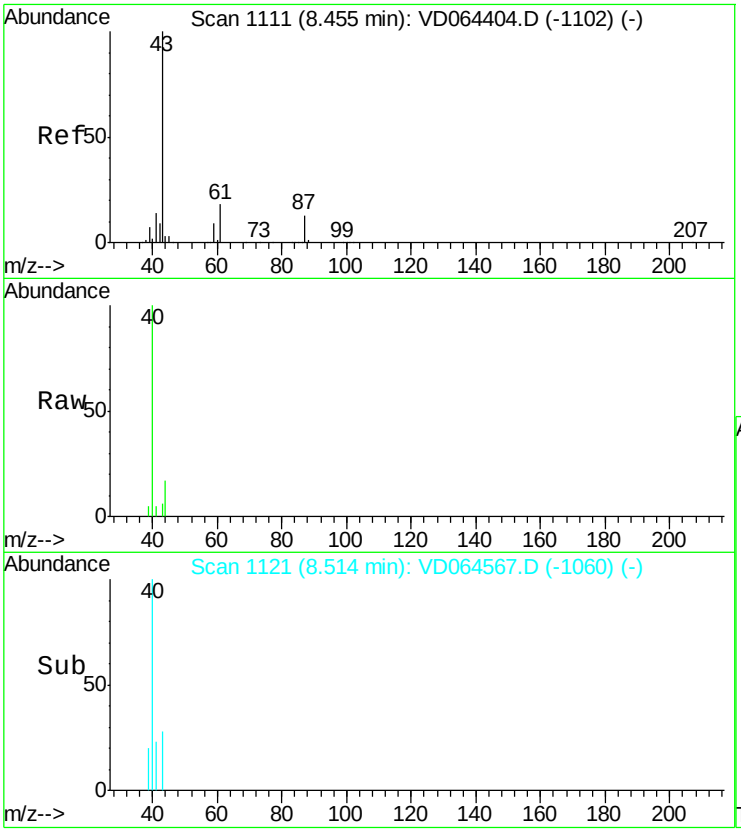


#41
Methacrylonitrile
Concen: 192.777 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 41 Resp: 67

Ion	Ratio	Lower	Upper
41	100		
39	110.4	44.6	67.0#
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#



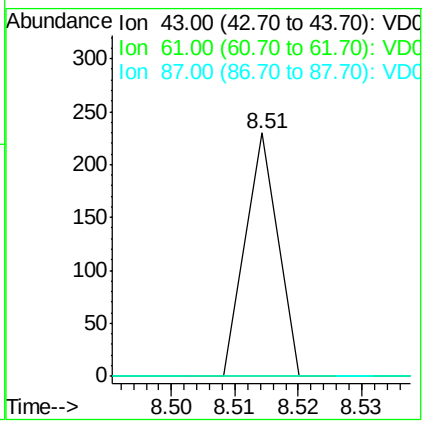


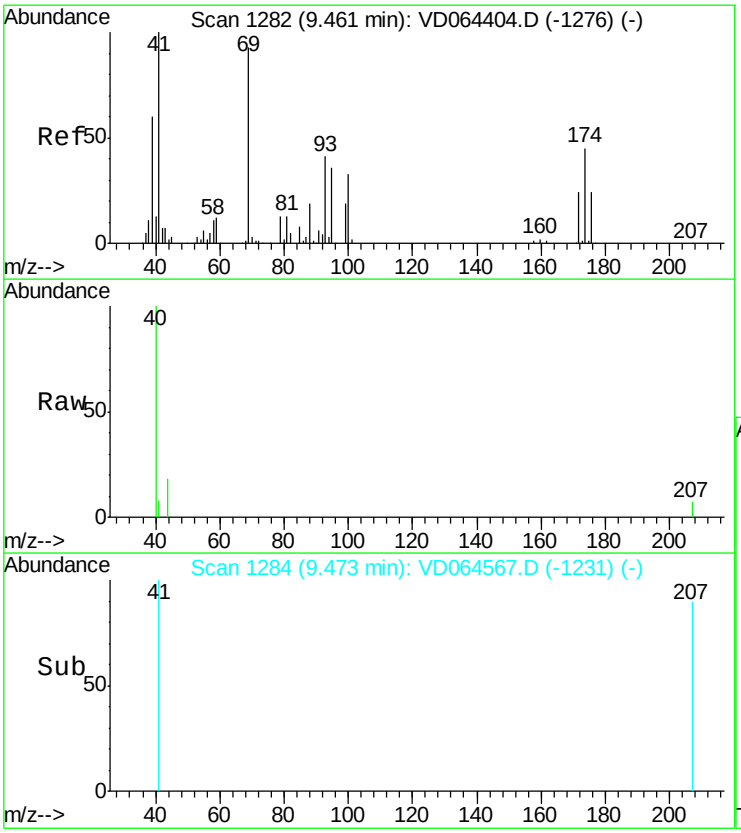
#43
Isopropyl Acetate
Concen: 67.977 ug/l
RT: 8.51 min Scan# 1121
Delta R.T. 0.06 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument : MSVOA_D
ClientSampleId : SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 81

Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.0	36.0#
87	0.0	10.6	15.8#

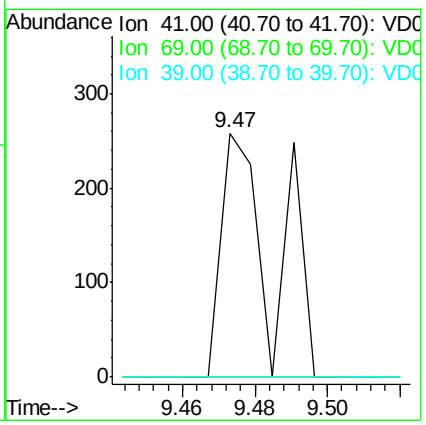


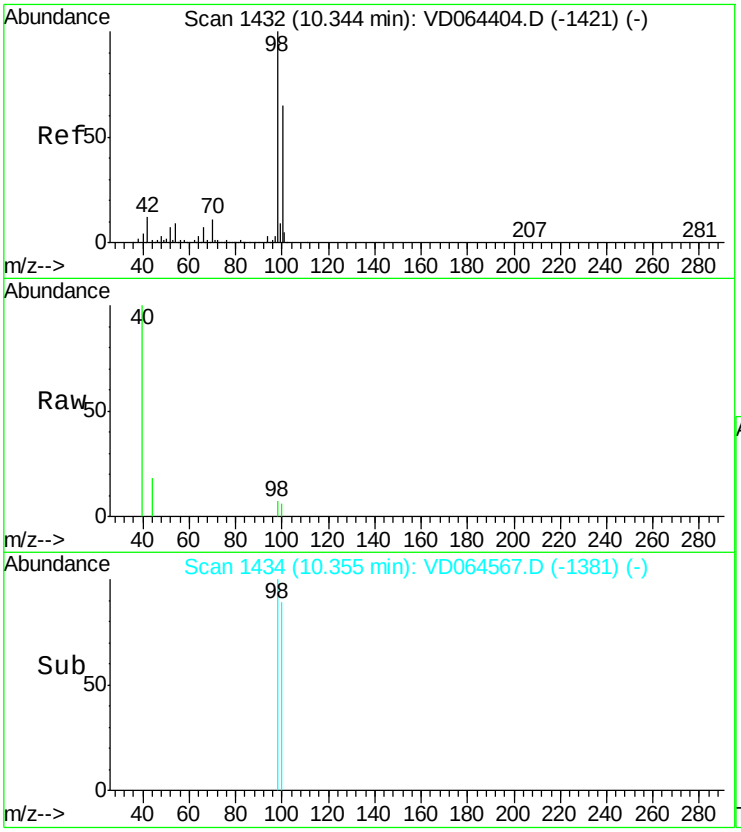


#48
Methyl methacrylate
Concen: 473.168 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 41 Resp: 258

Ion	Ratio	Lower	Upper
41	100		
69	0.0	72.0	108.0#
39	0.0	55.2	82.8#



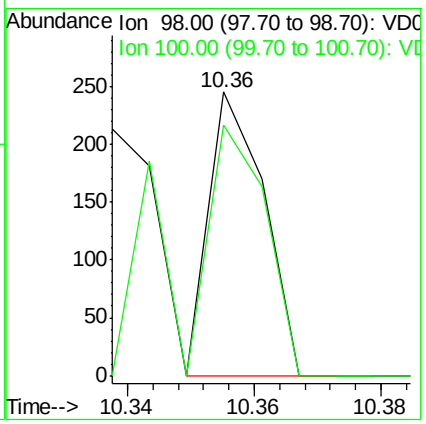


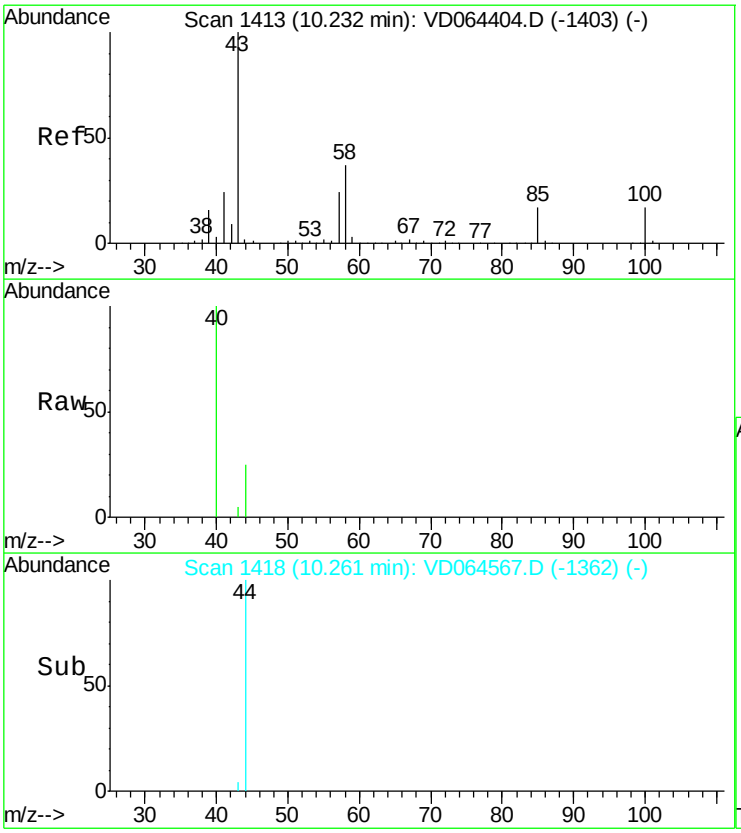
#50
Toluene-d8
Concen: 40.740 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument : MSVOA_D
ClientSampleId : SB-2-(4-5)MSD

Tgt Ion: 98 Resp: 146

Ion	Ratio	Lower	Upper
98	100		
100	91.8	52.6	79.0#

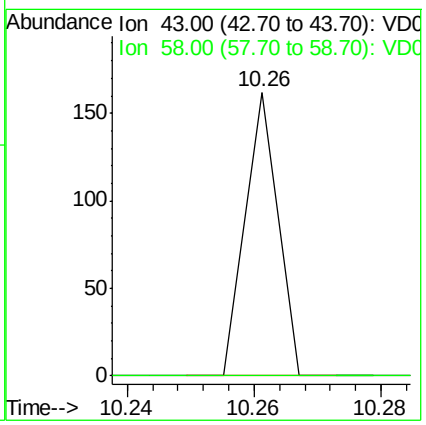


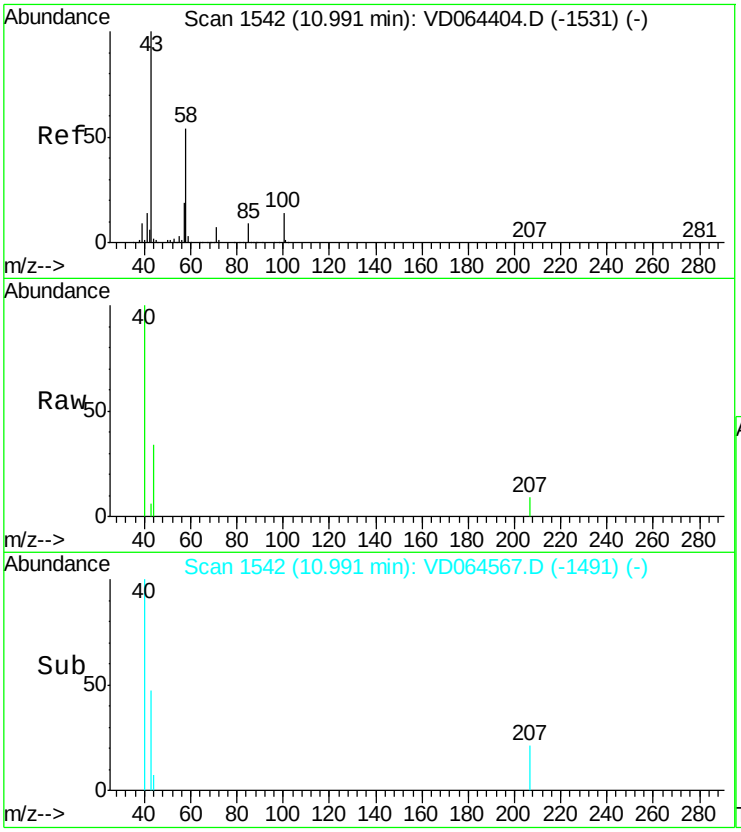


#51
4-Methyl-2-Pentanone
Concen: 96.678 ug/l
RT: 10.26 min Scan# 1418
Delta R.T. 0.03 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 43 Resp: 57

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.6	46.0#



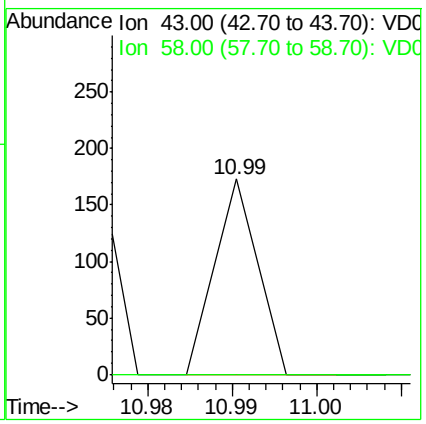


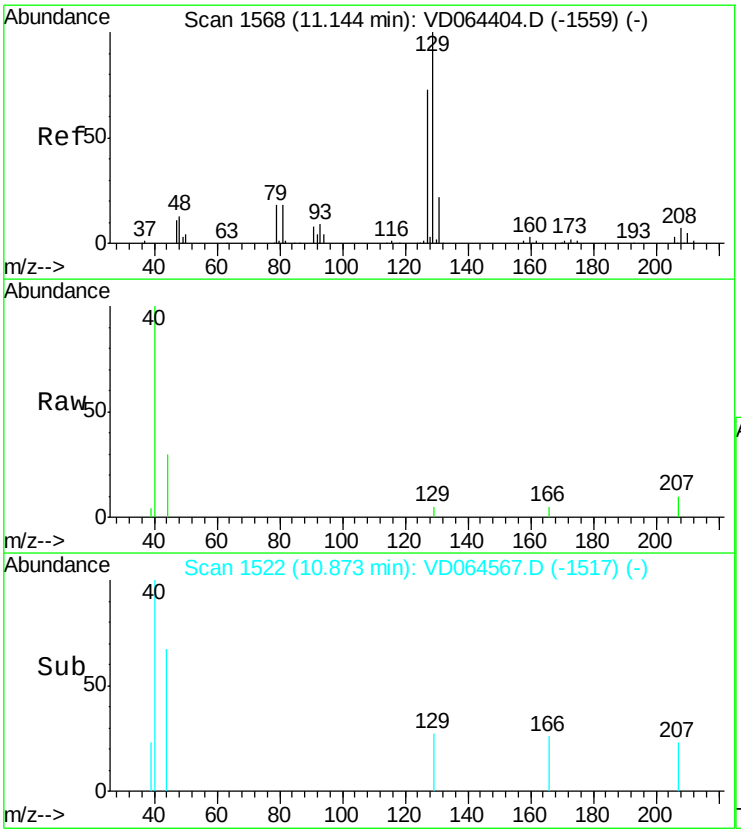
#59
2-Hexanone
Concen: 149.105 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.3	78.8#

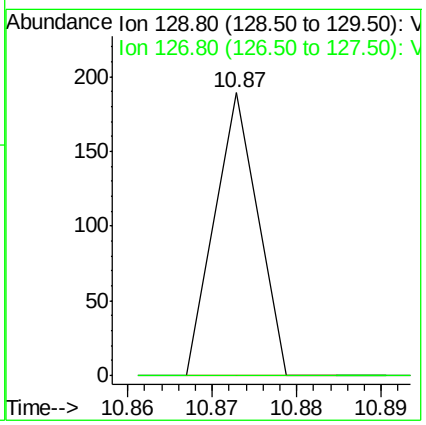


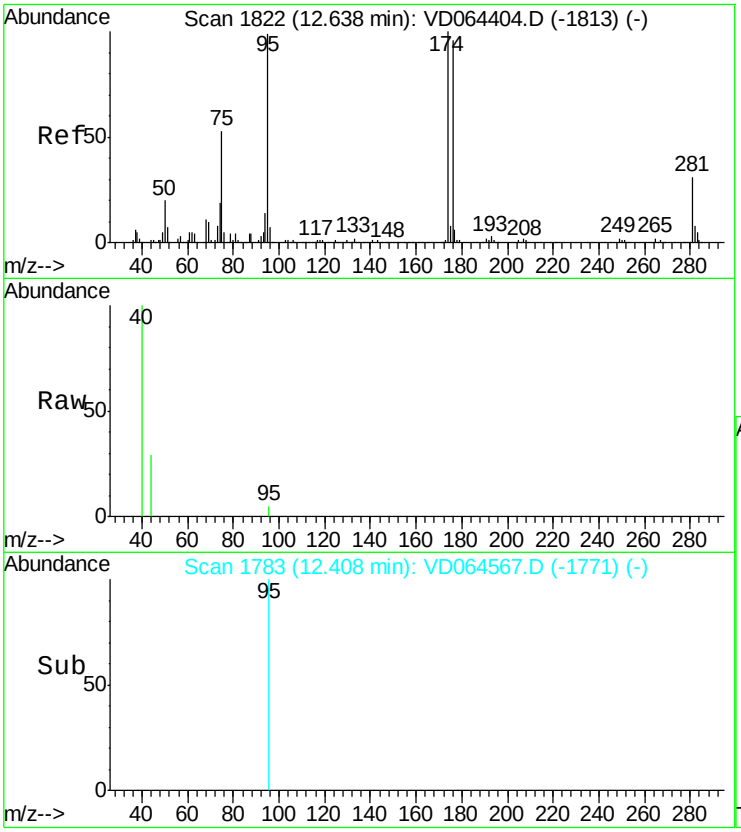


#60
Dibromochloromethane
Concen: 67.399 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.27 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion:129 Resp: 67

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.1	114.3#



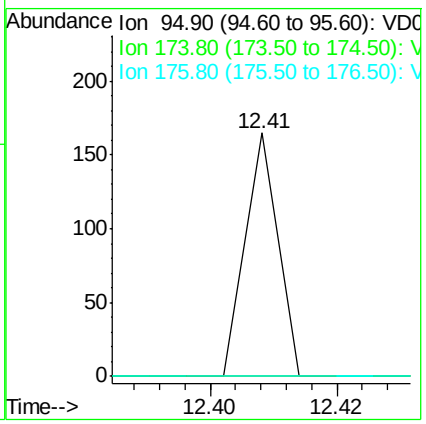


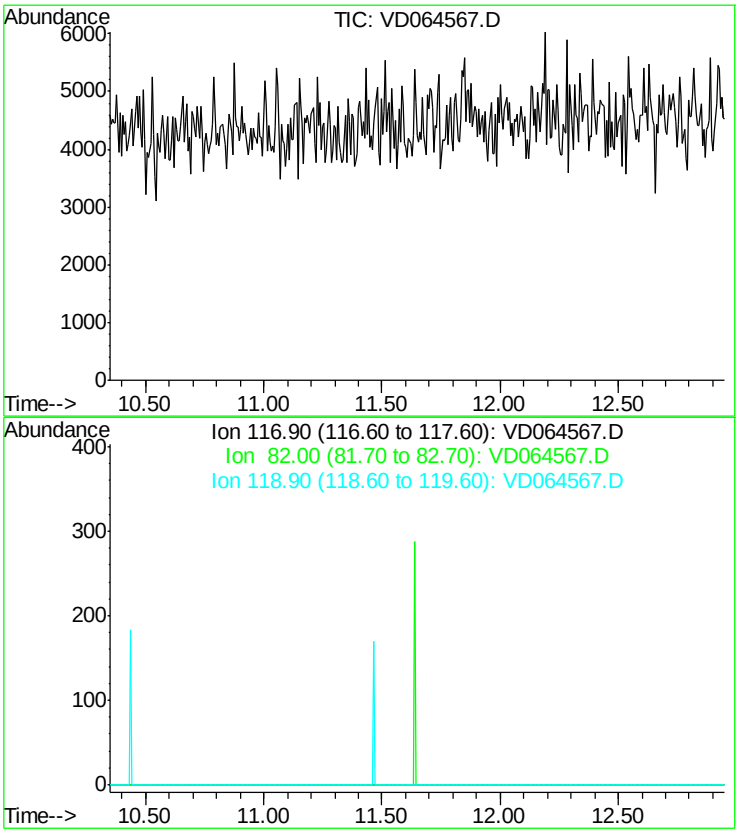
#62
4-Bromofluorobenzene
Concen: 50.360 ug/l
RT: 12.41 min Scan# 1783
Delta R.T. -0.23 min
Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 95 Resp: 58

Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	197.2
176	0.0	0.0	189.6



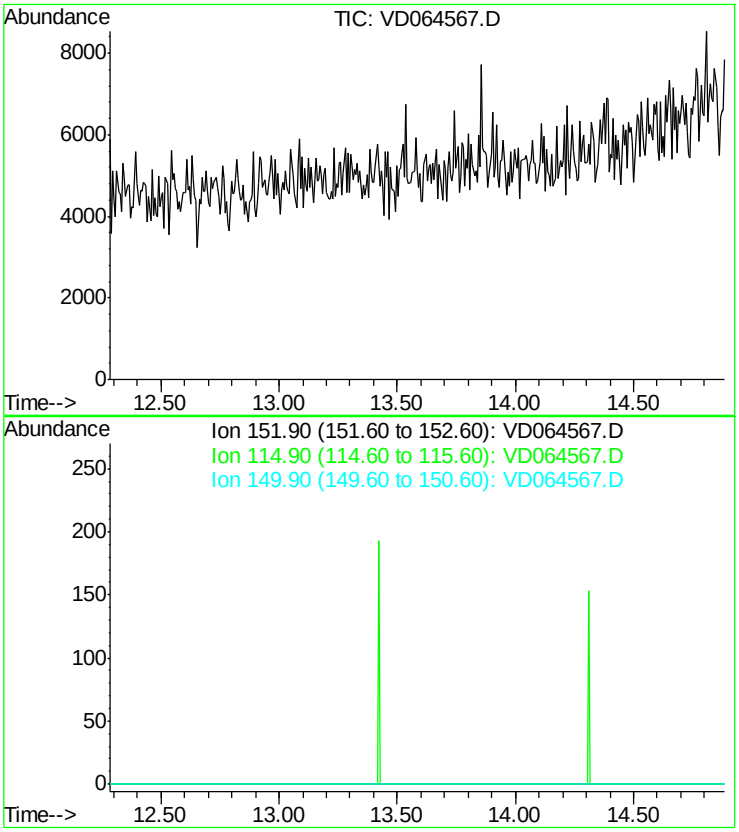


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.65 min

Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	51.8
119	32.7



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.58 min

Lab File: VD064567.D
Acq: 23 Dec 2019 14:36

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	53.4
150	173.6

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD