Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063537.D
Acq On : 13 Aug 2019 19:48
Operator : JC/SY
Sample : K4319-05
Misc : 5.57g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId :

Quant Time: Aug 14 08:30:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	29758	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	45645	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	41132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	21039	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	21729	68.31	ug/l	0.00
Spiked Amount 50.000			Recovery = 136.62%			
35) Dibromofluoromethane	6.93	113	18049	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.90%			
50) Toluene-d8	10.42	98	38473	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery = 91.04%			
62) 4-Bromofluorobenzene	13.56	95	18220	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery = 95.12%			
Target Compounds						Qvalue
3) Chloromethane	1.75	50	584	2.076	ug/l #	51
5) Bromomethane	2.17	94	1118	8.485	ug/l #	50
6) Chloroethane	2.17	64	244	1.911	ug/l #	24
8) Diethyl Ether	2.70	74	185	2.392	ug/l	77
10) Methyl Iodide	3.31	142	866	1.892	ug/l #	29
13) Acrolein	3.04	56	394	28.907	ug/l #	1
14) Allyl chloride	3.63	41	567	1.569	ug/l #	8
15) Acrylonitrile	4.06	53	211	5.753	ug/l #	11
16) Acetone	3.22	43	5663	87.579	ug/l #	65
18) Methyl Acetate	3.74	43	198	1.617	ug/l #	57
20) Methylene Chloride	3.83	84	1832	6.552	ug/l #	30
25) 2-Butanone	6.19	43	184	2.881	ug/l #	58
28) Bromochloromethane	6.45	49	191	1.019	ug/l #	7
29) Tetrahydrofuran	6.48	42	223	7.494	ug/l #	1
31) Cyclohexane	7.04	56	719	2.503	ug/l #	1
37) Ethyl Acetate	6.19	43	184	1.088	ug/l #	73
38) Carbon Tetrachloride	7.05	117	2617	4.303	ug/l #	13
41) Methacrylonitrile	6.45	41	460	2.161	ug/l #	37
48) Methyl methacrylate	9.09	41	189	1.231	ug/l #	18
51) 4-Methyl-2-Pentanone	10.38	43	229	1.478	ug/l #	40
58) 2-Chloroethyl Vinyl ether	9.69	63	263	2.376	ug/l #	49
74) N-amyl acetate	13.06	43	443	1.319	ug/l #	53
81) trans-1,4-Dichloro-2-buten	13.55	75	8473	130.560	ug/l #	1
95) Naphthalene	16.13	128	1132	1.809	ug/l #	71

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

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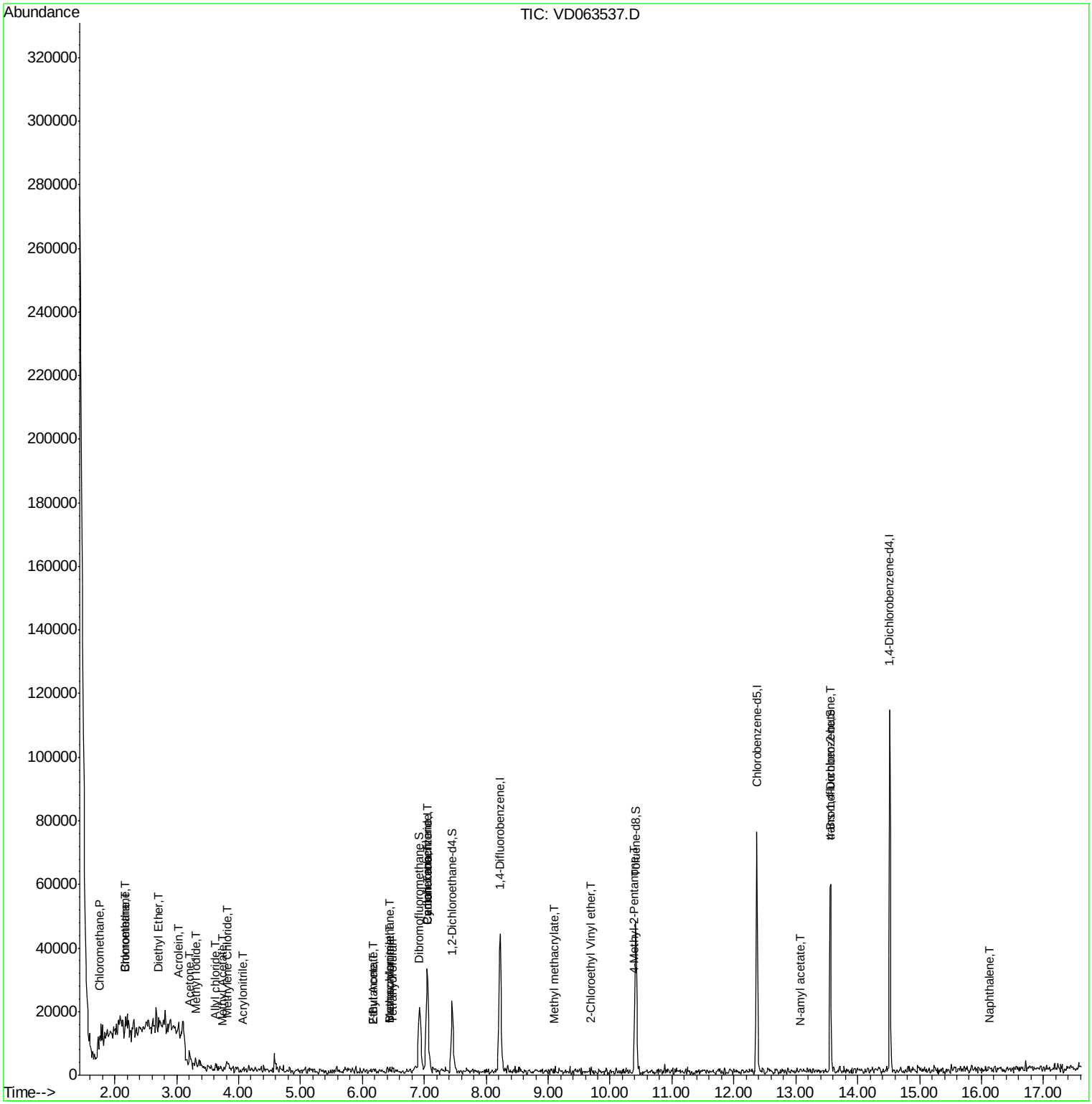
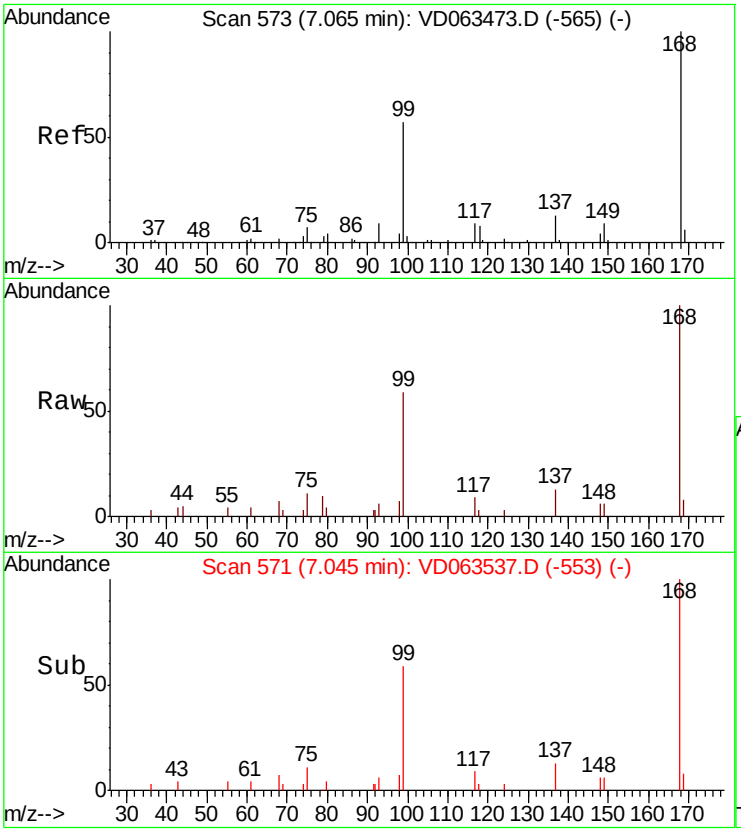


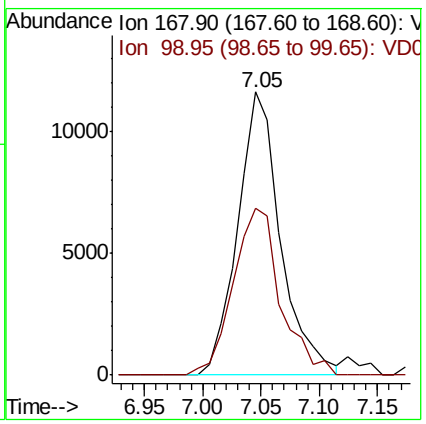


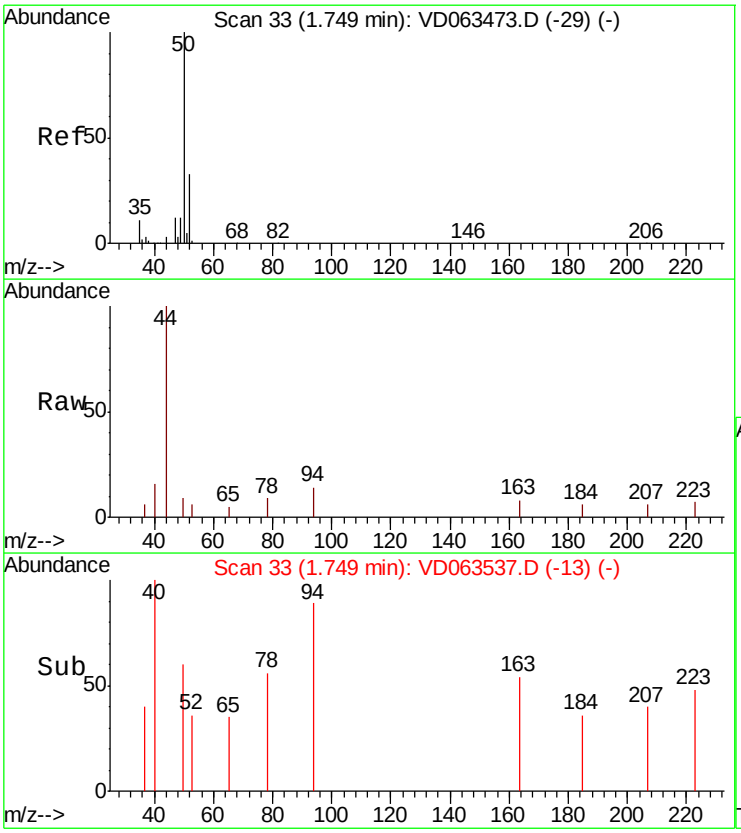
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.02 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 29758

Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.7	70.1

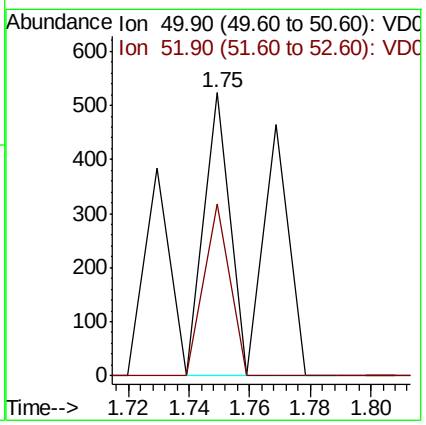


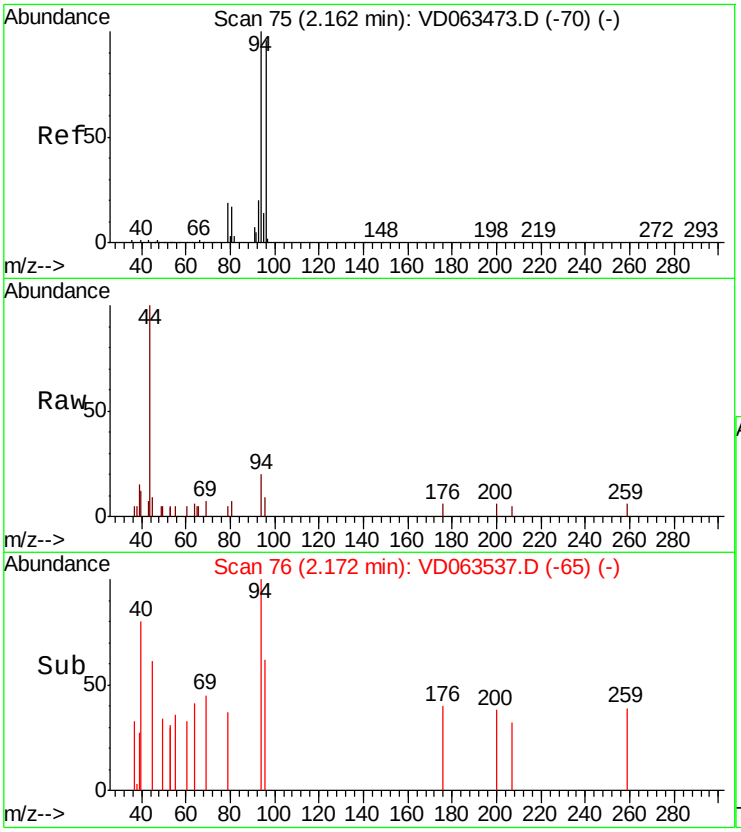


#3
Chloromethane
Concen: 2.076 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 50 Resp: 584

Ion	Ratio	Lower	Upper
50	100		
52	61.0	26.6	40.0#



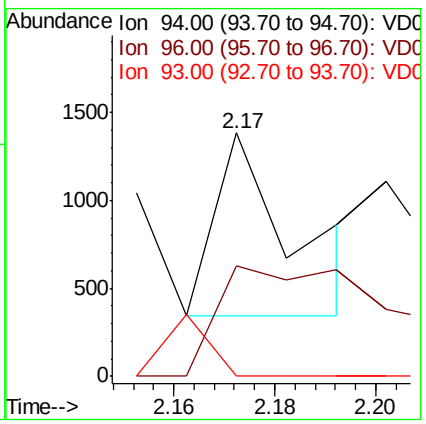


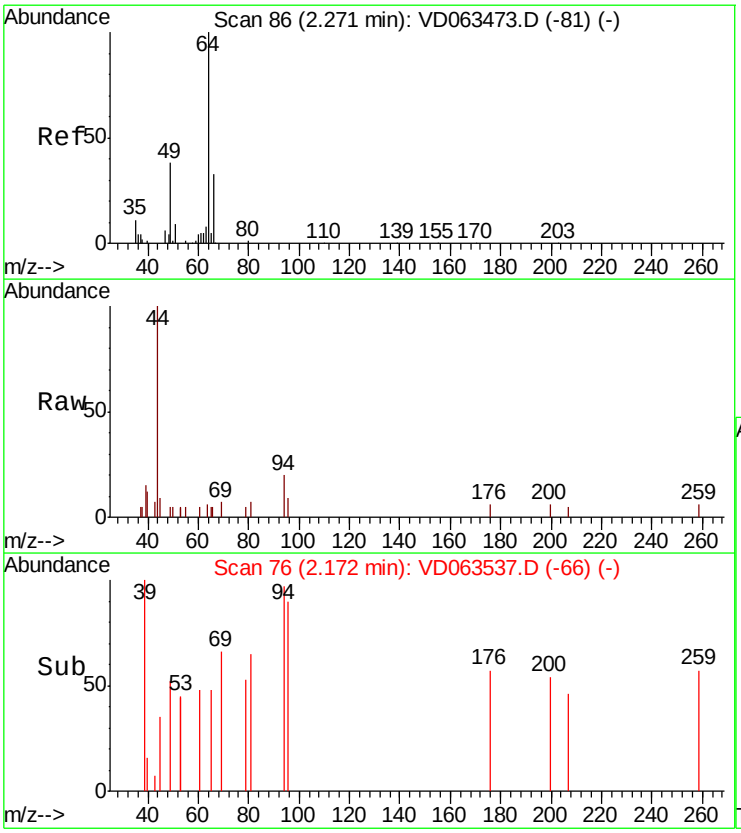
#5
Bromomethane
Concen: 8.485 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 94 Resp: 1118

Ion	Ratio	Lower	Upper
94	100		
96	45.6	76.5	114.7#
93	0.0	15.8	23.8#

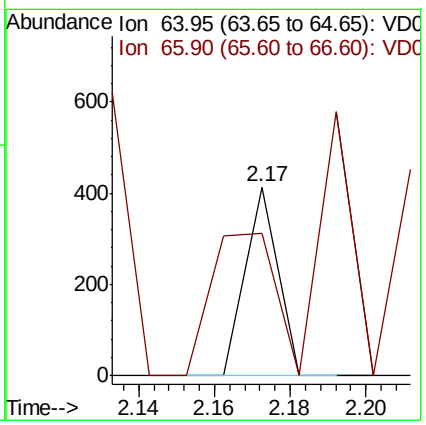


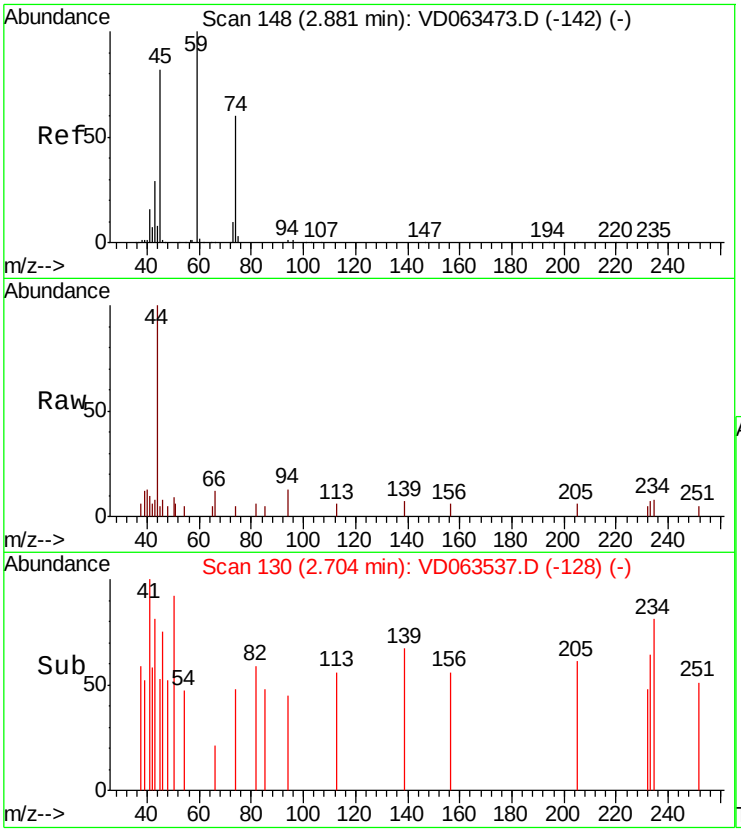


#6
Chloroethane
Concen: 1.911 ug/l
RT: 2.17 min Scan# 76
Delta R.T. -0.10 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 64 Resp: 244

Ion	Ratio	Lower	Upper
64	100		
66	75.5	26.3	39.5#



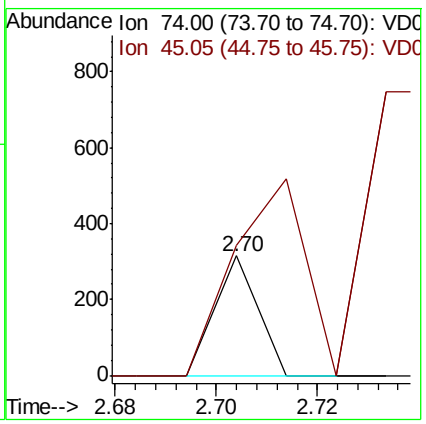


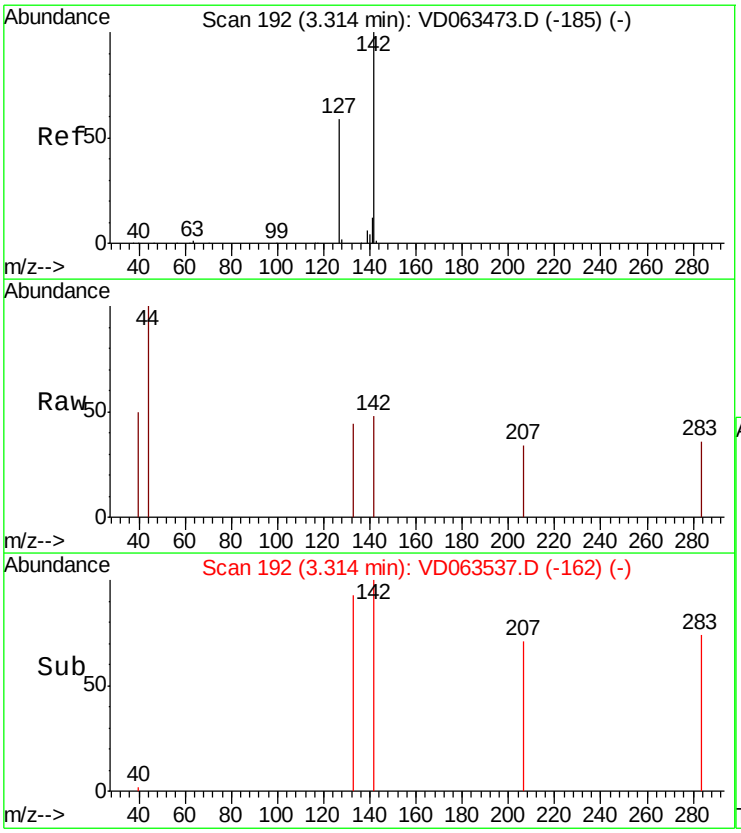
#8
Diethyl Ether
Concen: 2.392 ug/l
RT: 2.70 min Scan# 130
Delta R.T. -0.18 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 74 Resp: 185

Ion	Ratio	Lower	Upper
74	100		
45	109.2	68.5	205.5

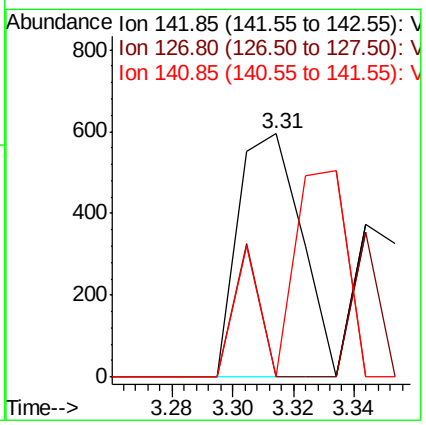


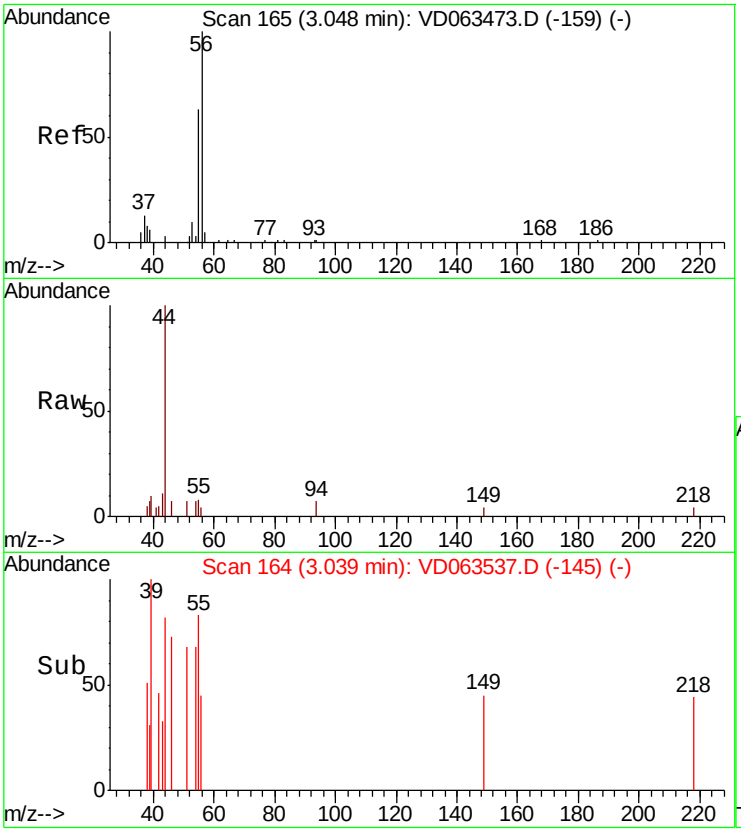


#10
Methyl Iodide
Concen: 1.892 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion:142 Resp: 866

Ion	Ratio	Lower	Upper
142	100		
127	0.0	47.2	70.8#
141	0.0	9.8	14.8#



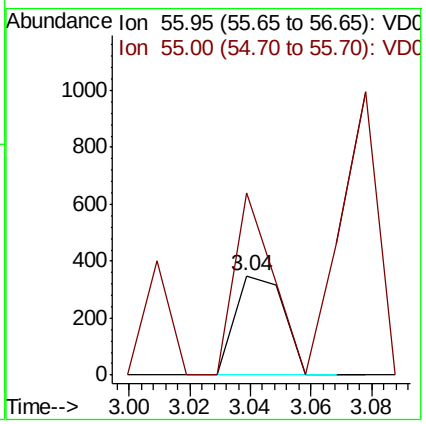


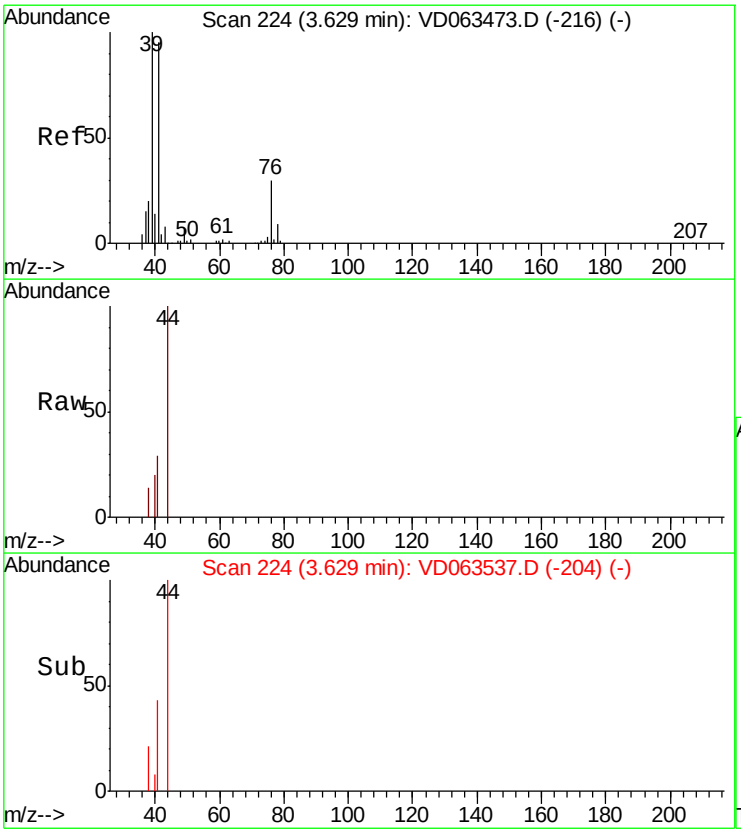
#13
Acrolein
Concen: 28.907 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 394

Ion	Ratio	Lower	Upper
56	100		
55	182.3	51.3	76.9#

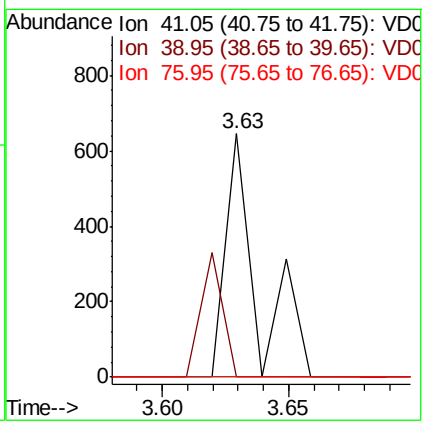


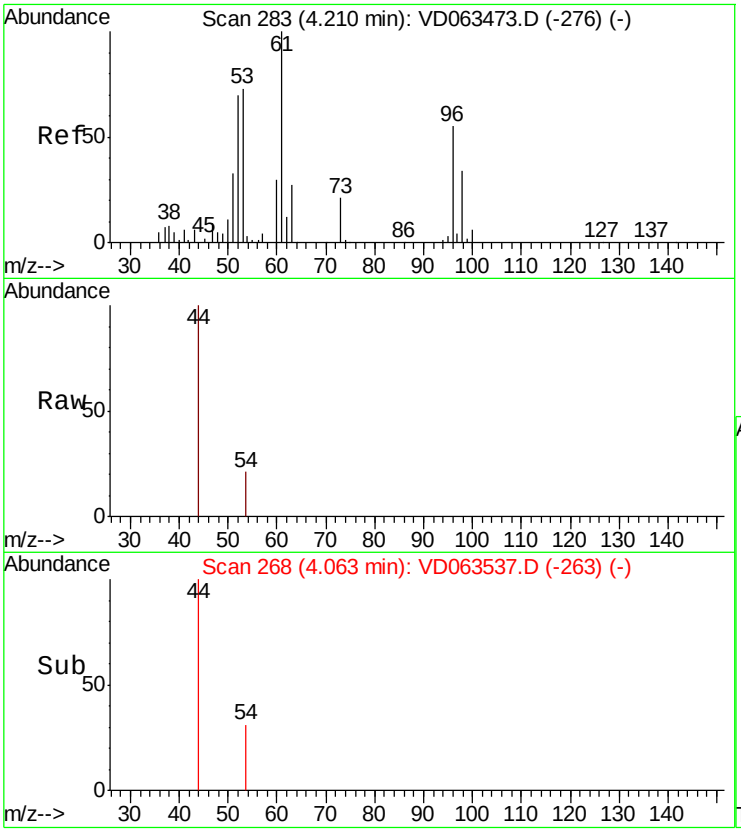


#14
Allyl chloride
Concen: 1.569 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 41 Resp: 567

Ion	Ratio	Lower	Upper
41	100		
39	0.0	84.2	126.4#
76	0.0	26.0	39.0#



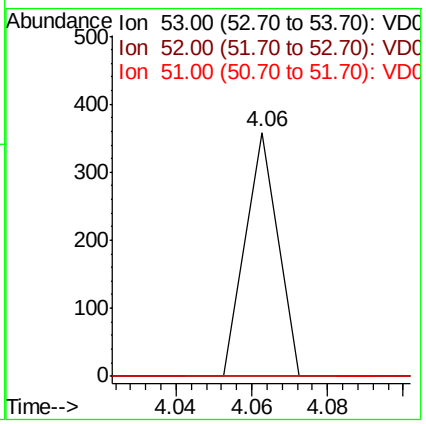


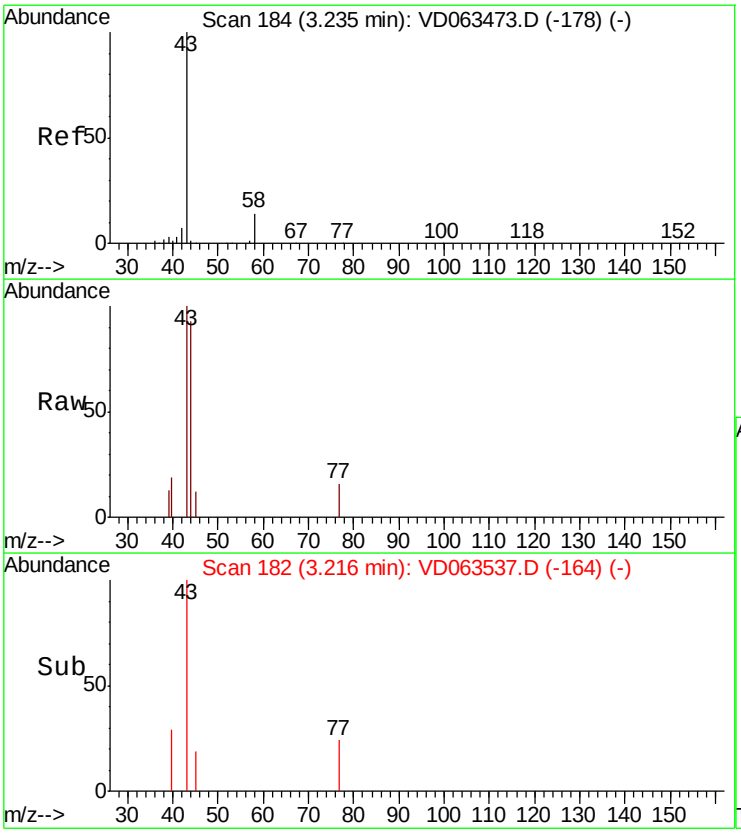
#15
Acrylonitrile
Concen: 5.753 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.15 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 53 Resp: 211

Ion	Ratio	Lower	Upper
53	100		
52	0.0	77.4	116.0#
51	0.0	36.7	55.1#

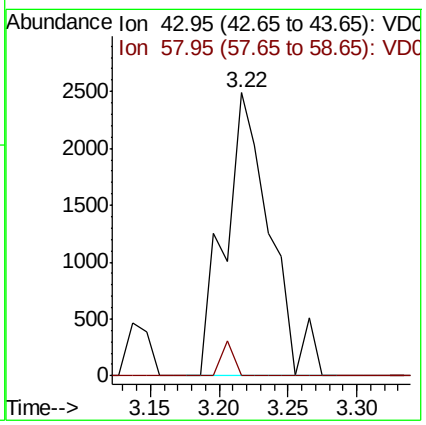


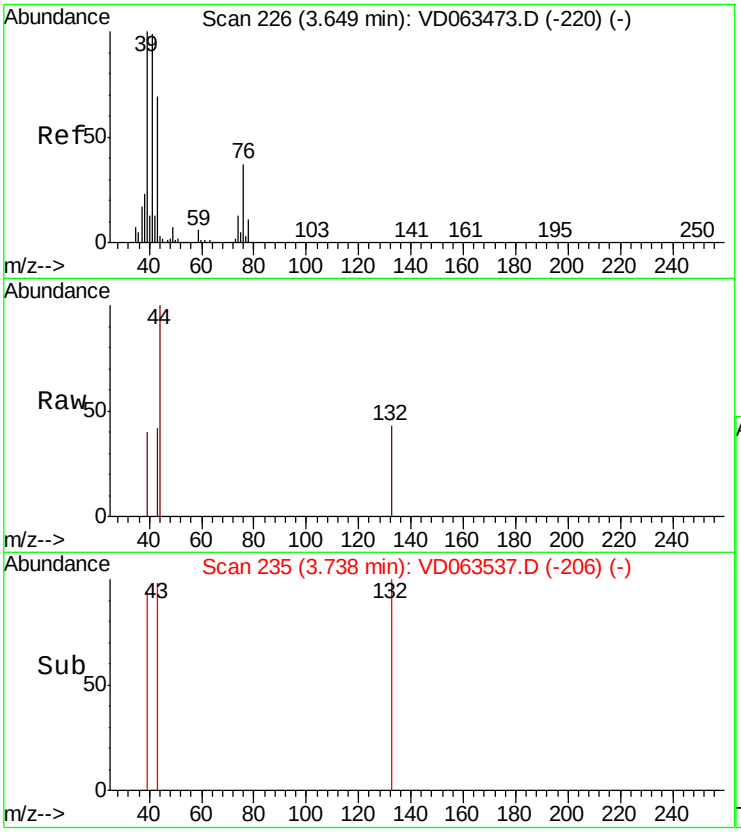


#16
Acetone
Concen: 87.579 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 43 Resp: 5663

Ion	Ratio	Lower	Upper
43	100		
58	0.0	11.4	17.2#



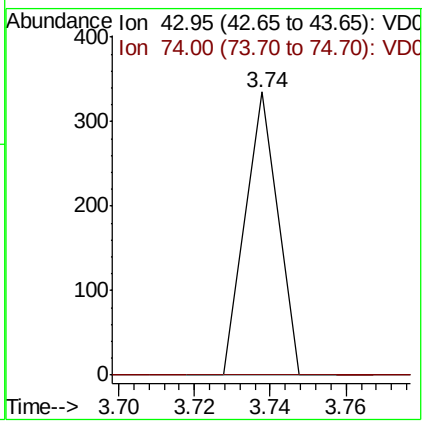


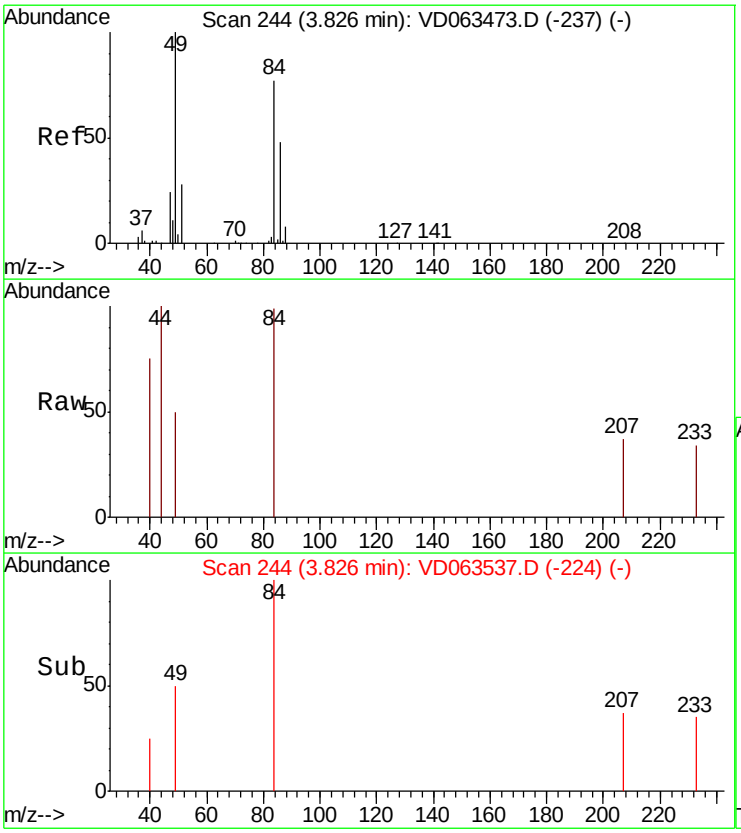
#18
Methyl Acetate
Concen: 1.617 ug/l
RT: 3.74 min Scan# 235
Delta R.T. 0.09 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 198

Ion	Ratio	Lower	Upper
43	100		
74	0.0	15.4	23.2#

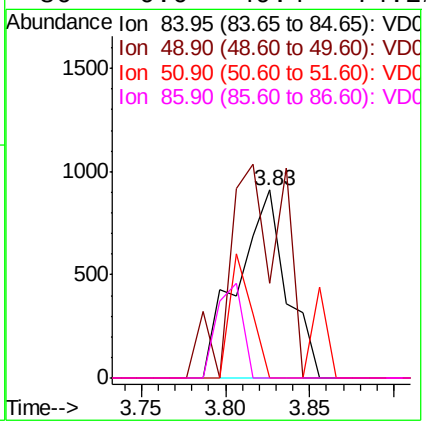


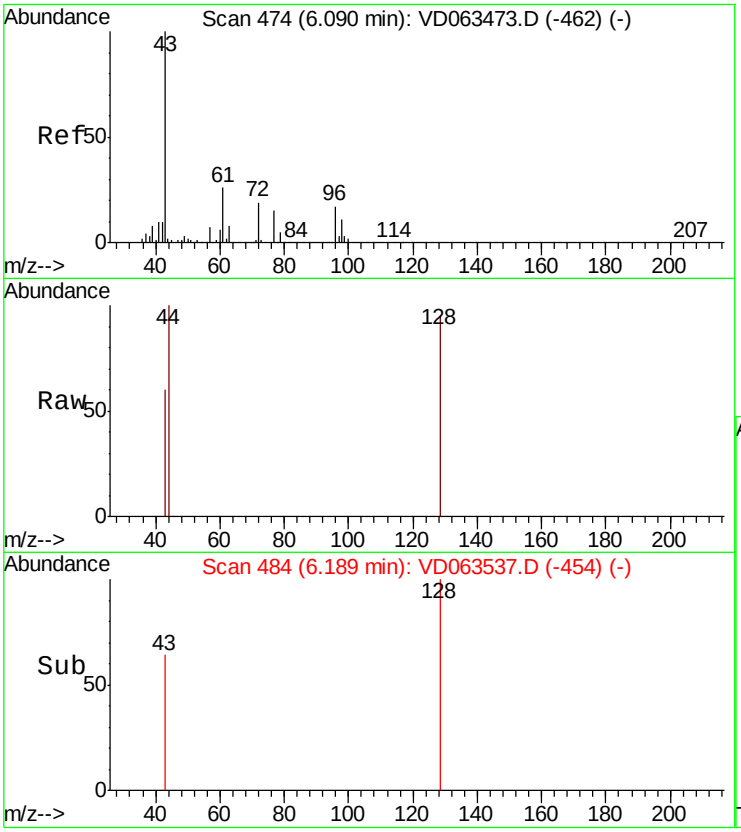


#20
Methylene Chloride
Concen: 6.552 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 84 Resp: 1832

Ion	Ratio	Lower	Upper
84	100		
49	50.3	103.4	155.2#
51	0.0	28.5	42.7#
86	0.0	49.4	74.2#



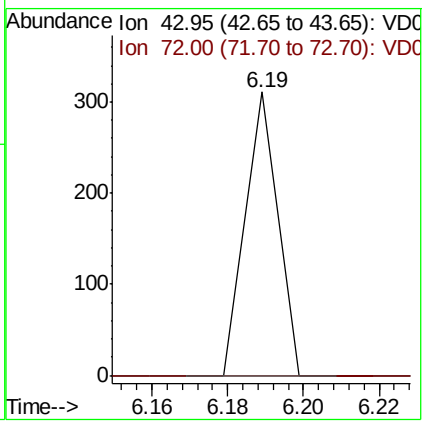


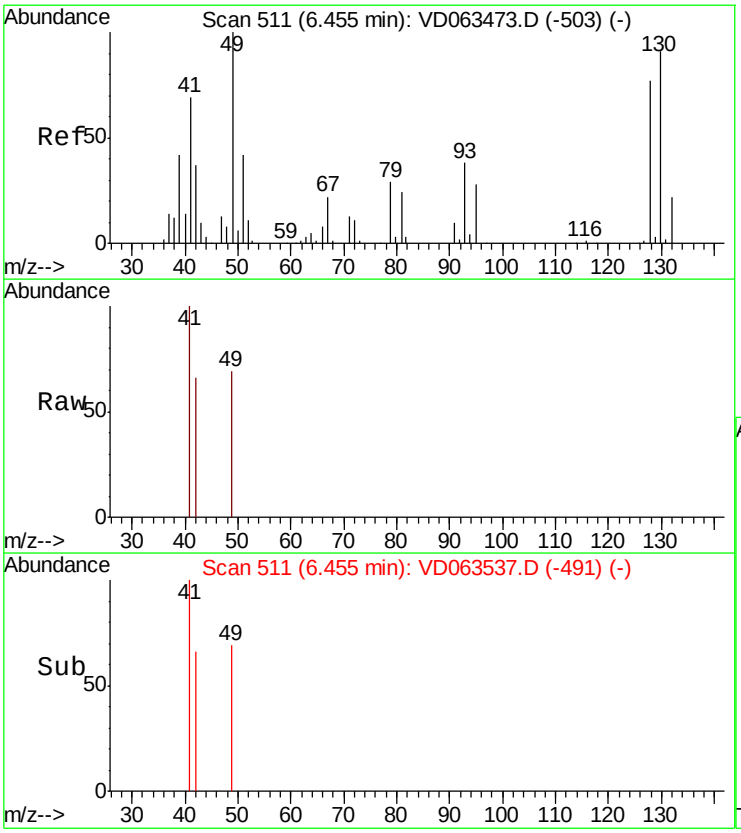
#25
2-Butanone
Concen: 2.881 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.10 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 184

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.1	22.7#

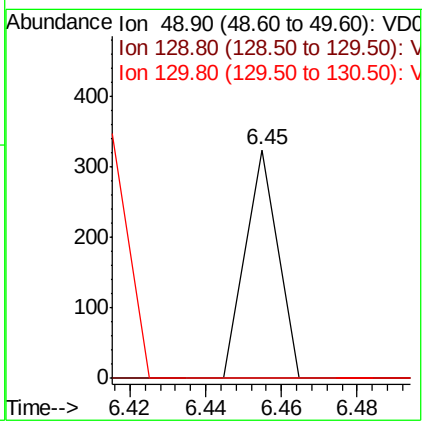


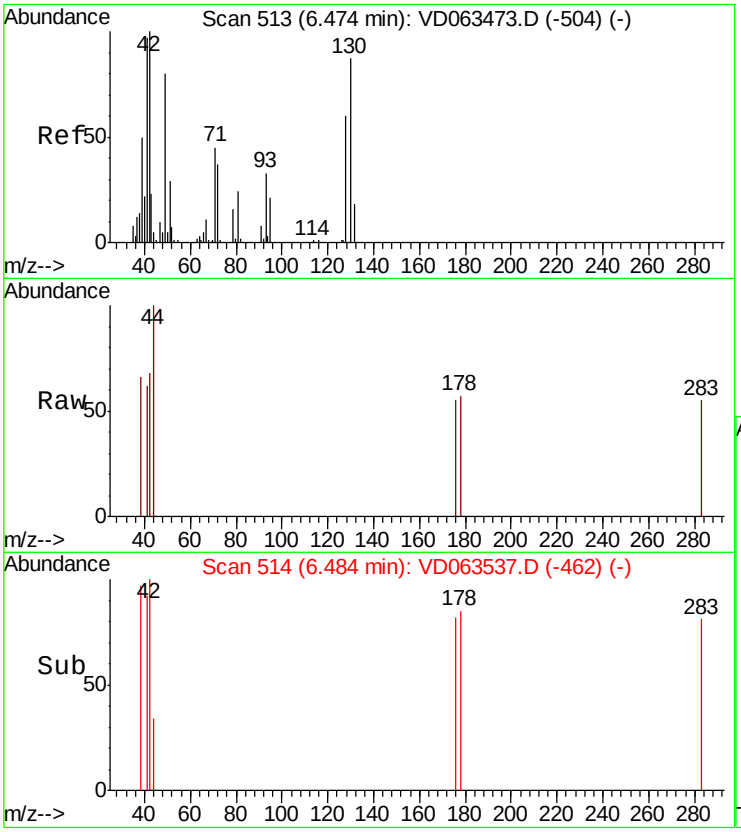


#28
Bromochloromethane
Concen: 1.019 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 49 Resp: 191

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	72.4	108.6#



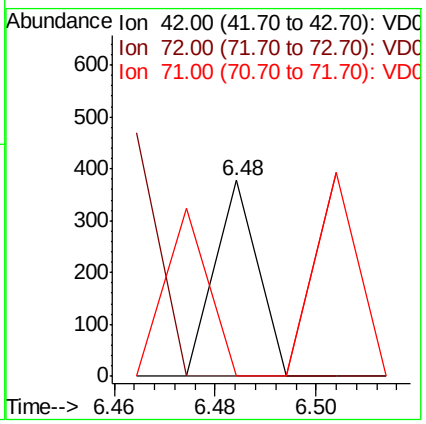


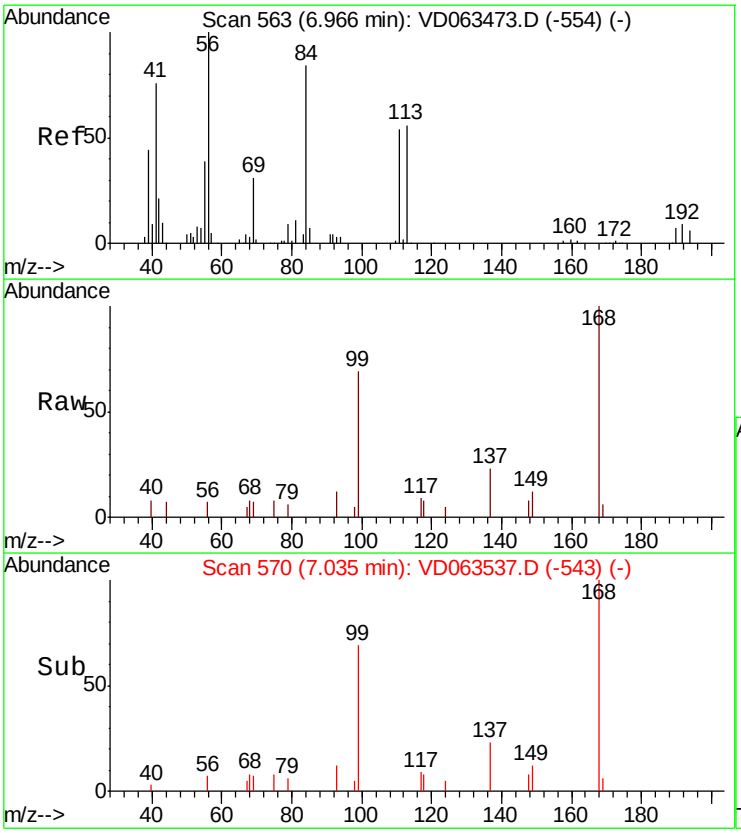
#29
Tetrahydrofuran
Concen: 7.494 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 42 Resp: 223

Ion	Ratio	Lower	Upper
42	100		
72	124.2	31.5	47.3#
71	85.7	33.8	50.8#

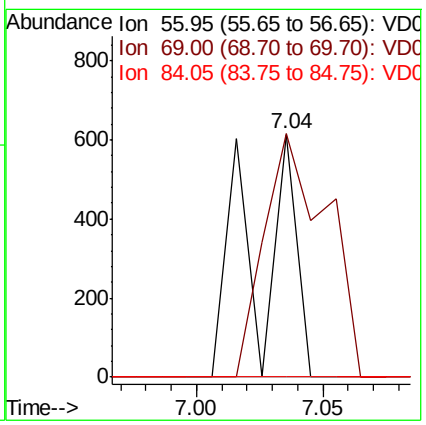


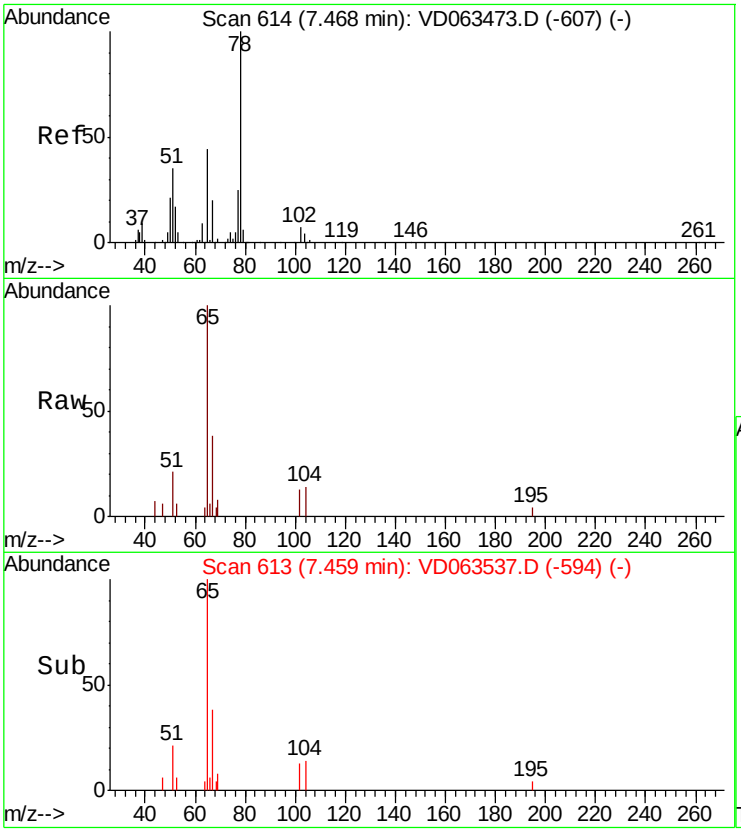


#31
Cyclohexane
Concen: 2.503 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 56 Resp: 719

Ion	Ratio	Lower	Upper
56	100		
69	100.3	25.0	37.6#
84	0.0	69.7	104.5#



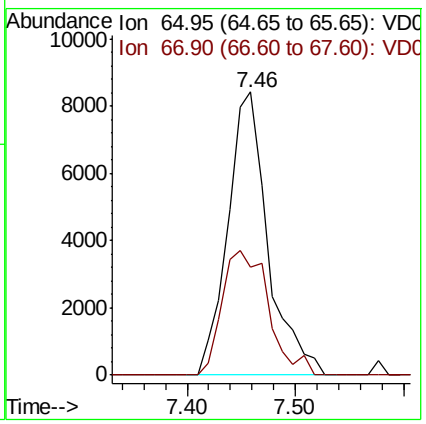


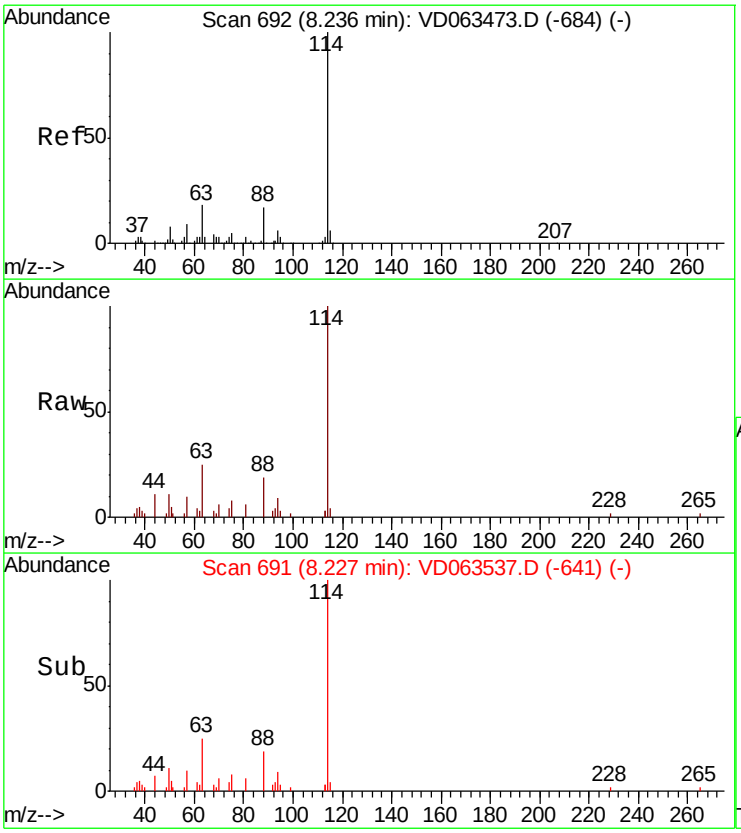
#33
1,2-Dichloroethane-d4
Concen: 68.311 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 21729

Ion	Ratio	Lower	Upper
65	100		
67	38.0	0.0	89.2

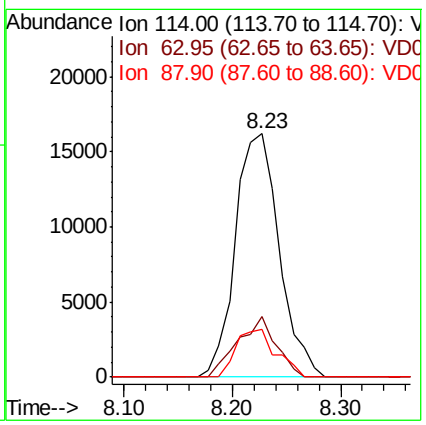


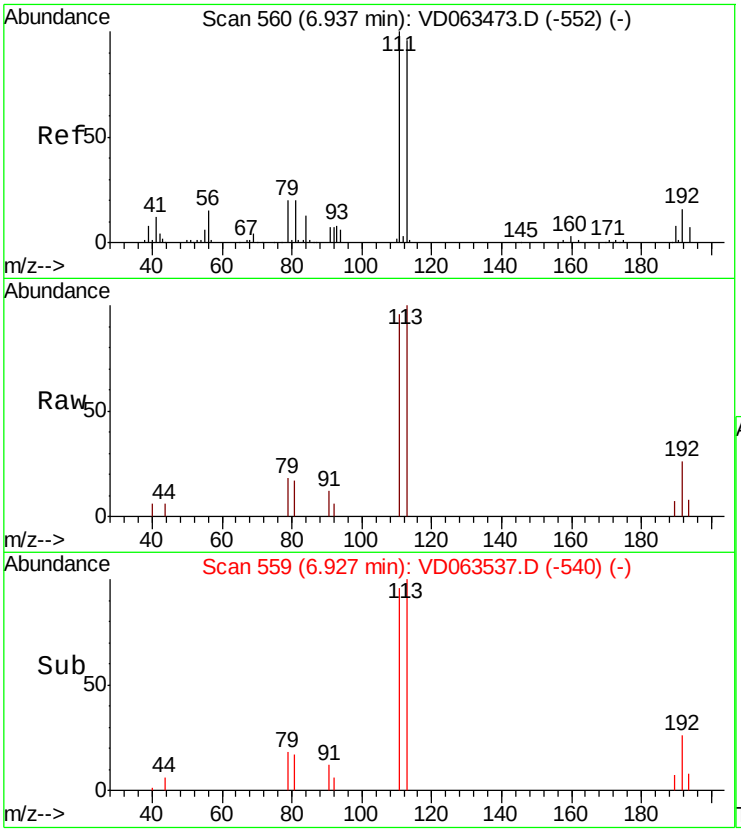


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. -0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion:114 Resp: 45645

Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	36.2
88	19.4	0.0	35.0



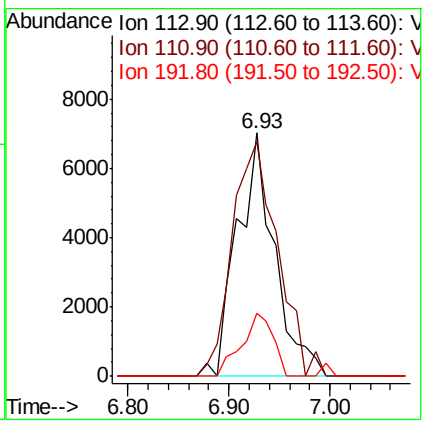


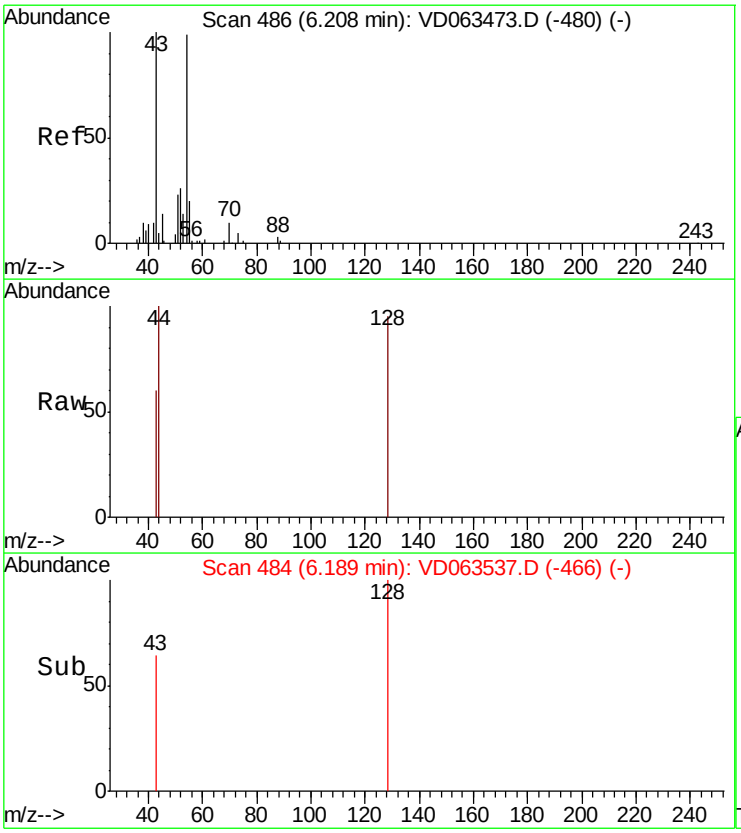
#35
Dibromofluoromethane
Concen: 46.951 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 18049

Ion	Ratio	Lower	Upper
113	100		
111	96.5	83.1	124.7
192	26.2	13.1	19.7#

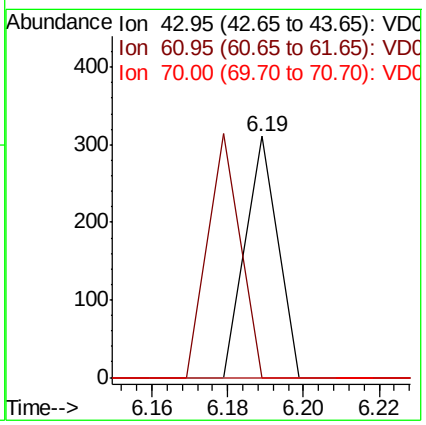


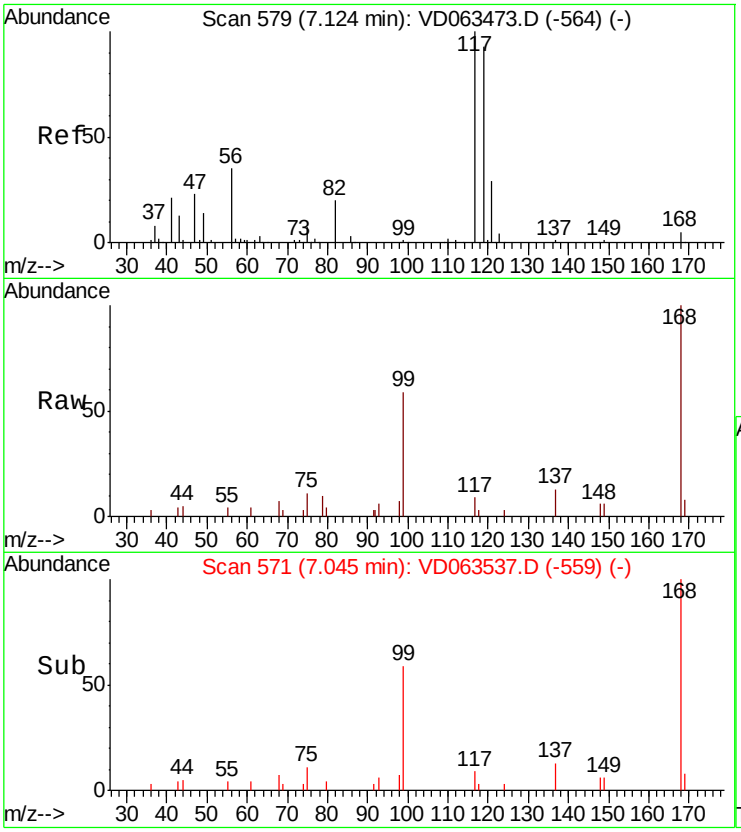


#37
Ethyl Acetate
Concen: 1.088 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 43 Resp: 184

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.0	13.6#
70	0.0	6.9	10.3#



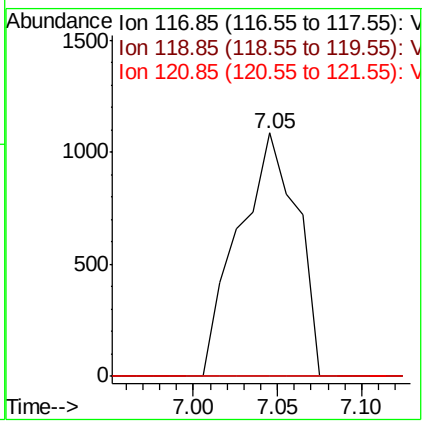


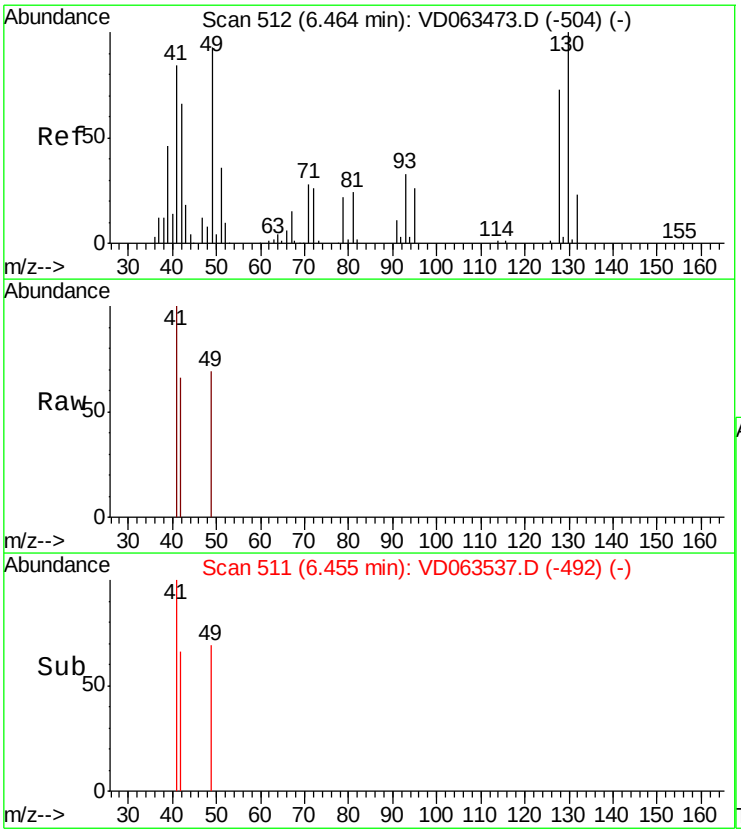
#38
Carbon Tetrachloride
Concen: 4.303 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.08 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 2617

Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.2	111.2#
121	0.0	23.1	34.7#

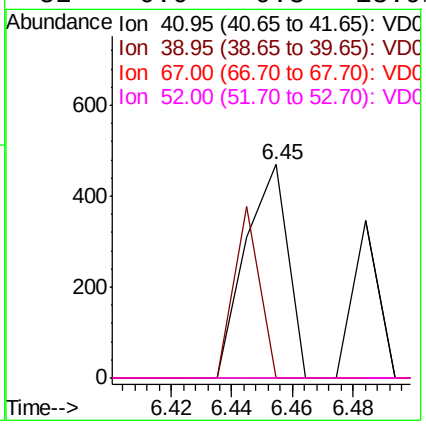


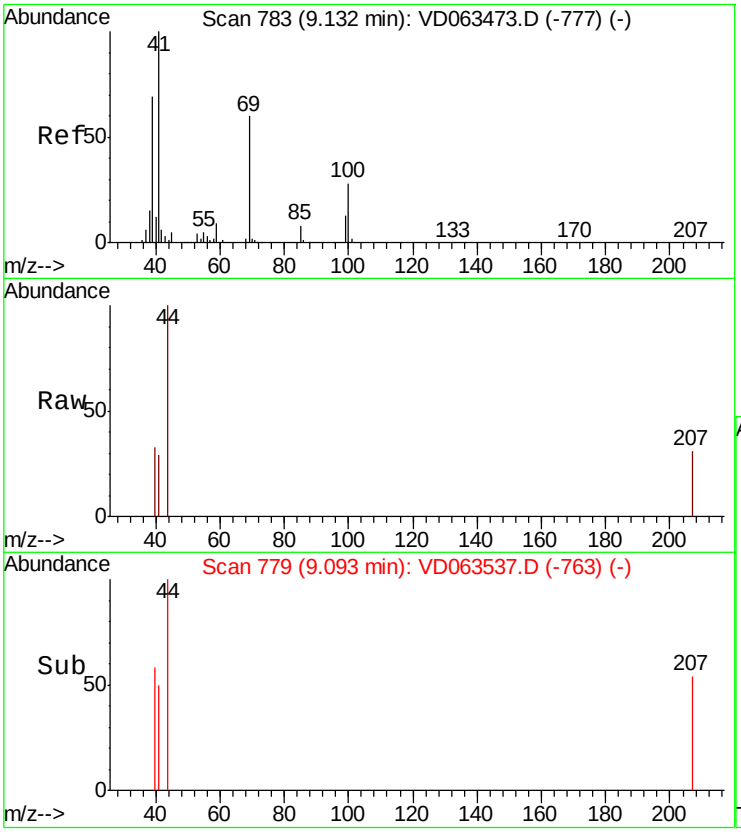


#41
Methacrylonitrile
Concen: 2.161 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 41 Resp: 460

Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	66.8#
67	0.0	14.4	21.6#
52	0.0	9.3	13.9#



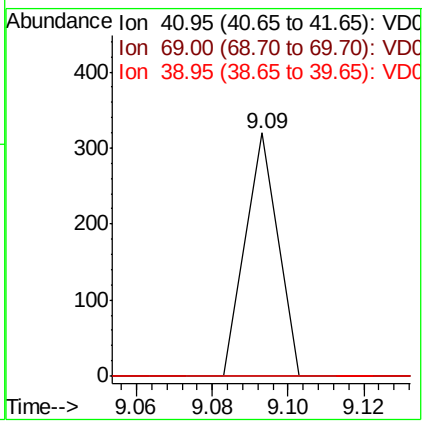


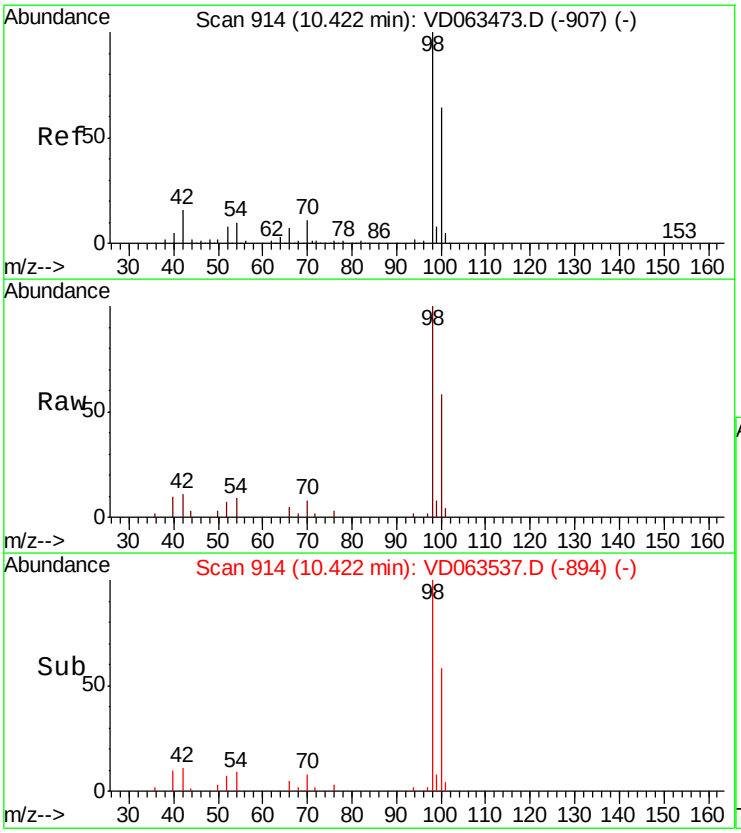
#48
Methyl methacrylate
Concen: 1.231 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.04 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 189

Ion	Ratio	Lower	Upper
41	100		
69	0.0	47.6	71.4#
39	0.0	55.7	83.5#

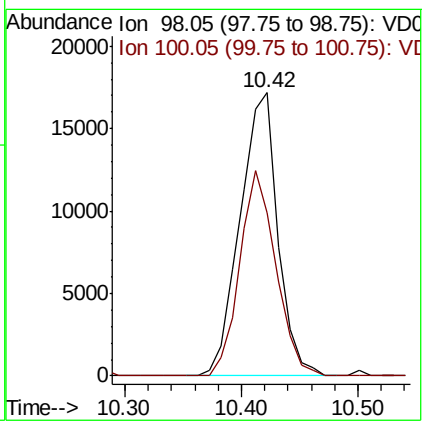


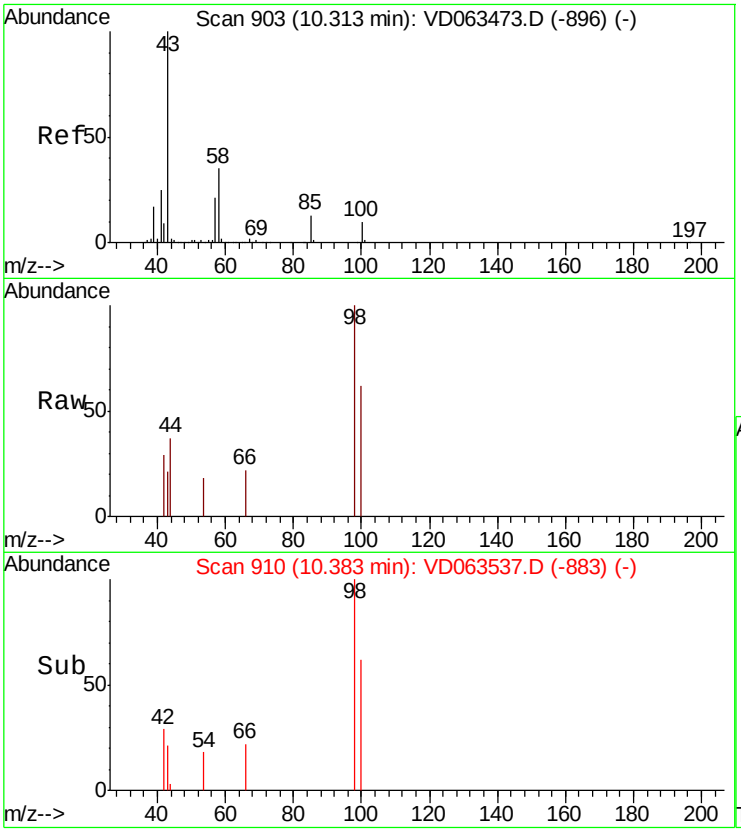


#50
Toluene-d8
Concen: 45.521 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 98 Resp: 38473

Ion	Ratio	Lower	Upper
98	100		
100	57.7	51.7	77.5



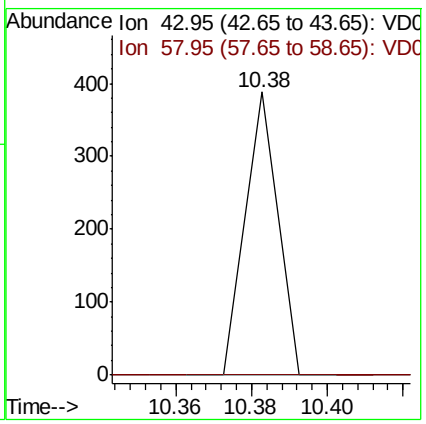


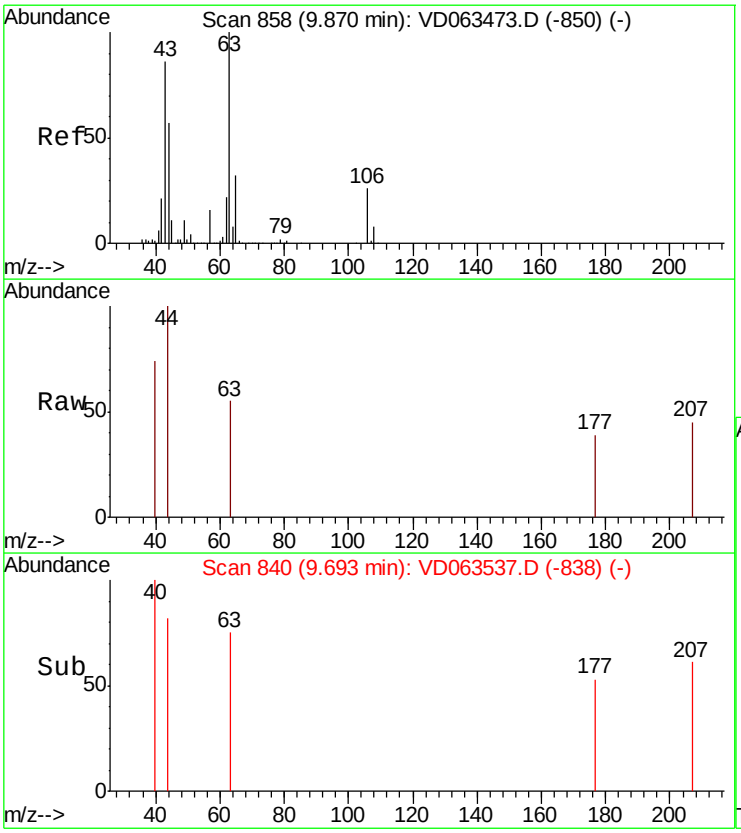
#51
4-Methyl-2-Pentanone
Concen: 1.478 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.07 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 229

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.0	42.0#

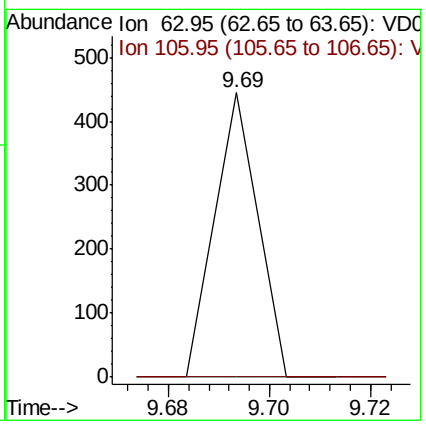


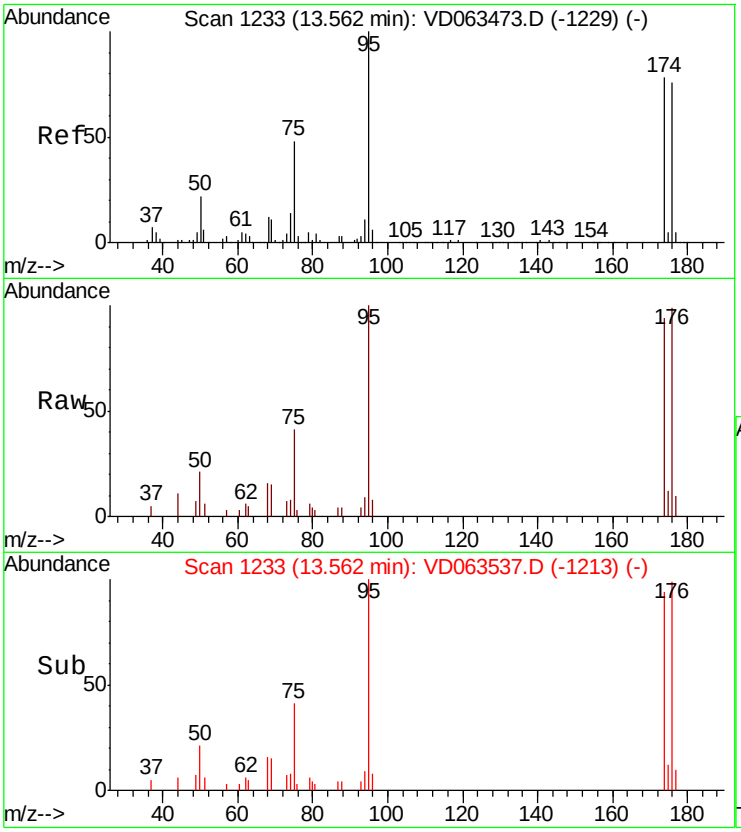


#58
2-Chloroethyl Vinyl ether
Concen: 2.376 ug/l
RT: 9.69 min Scan# 840
Delta R.T. -0.18 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 63 Resp: 263

Ion	Ratio	Lower	Upper
63	100		
106	0.0	20.8	31.2#



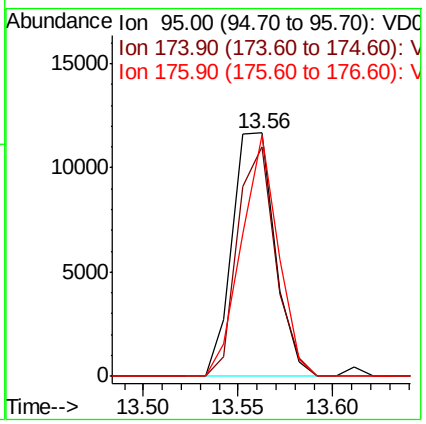


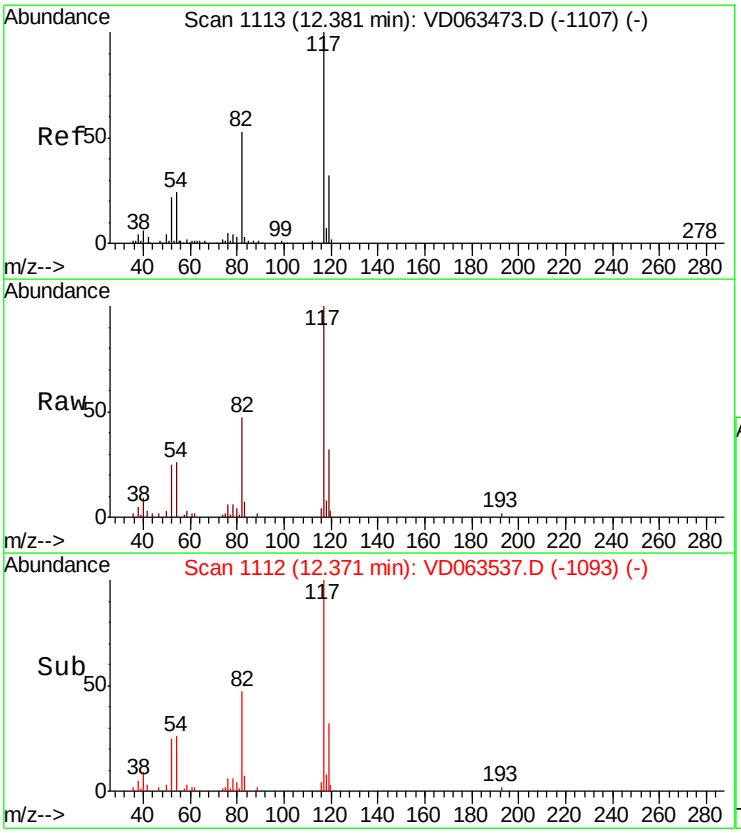
#62
4-Bromofluorobenzene
Concen: 47.563 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 18220

Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	155.4
176	98.8	0.0	152.4

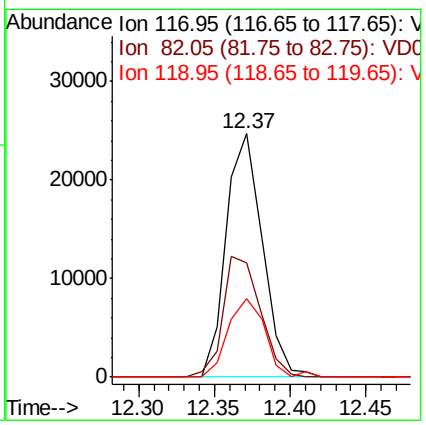


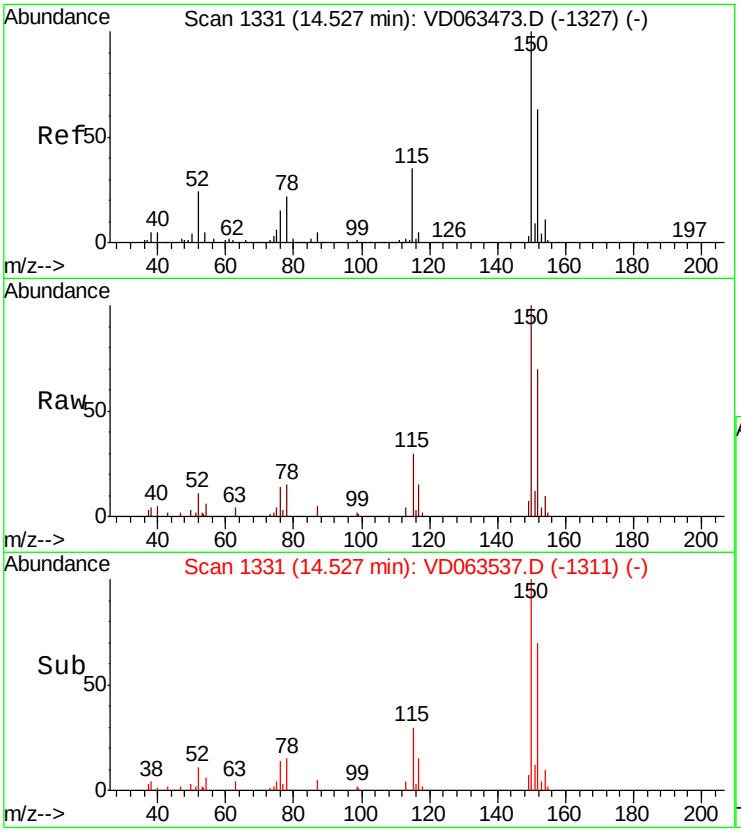


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion:117 Resp: 41132

Ion	Ratio	Lower	Upper
117	100		
82	47.1	42.0	63.0
119	32.1	25.4	38.0



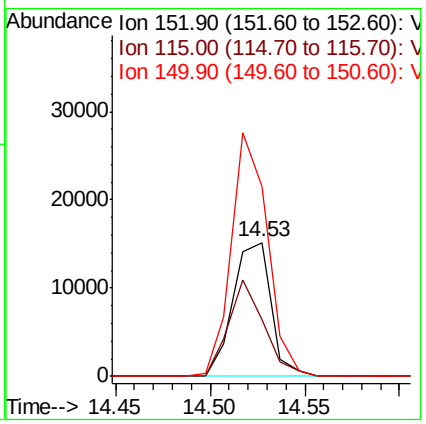


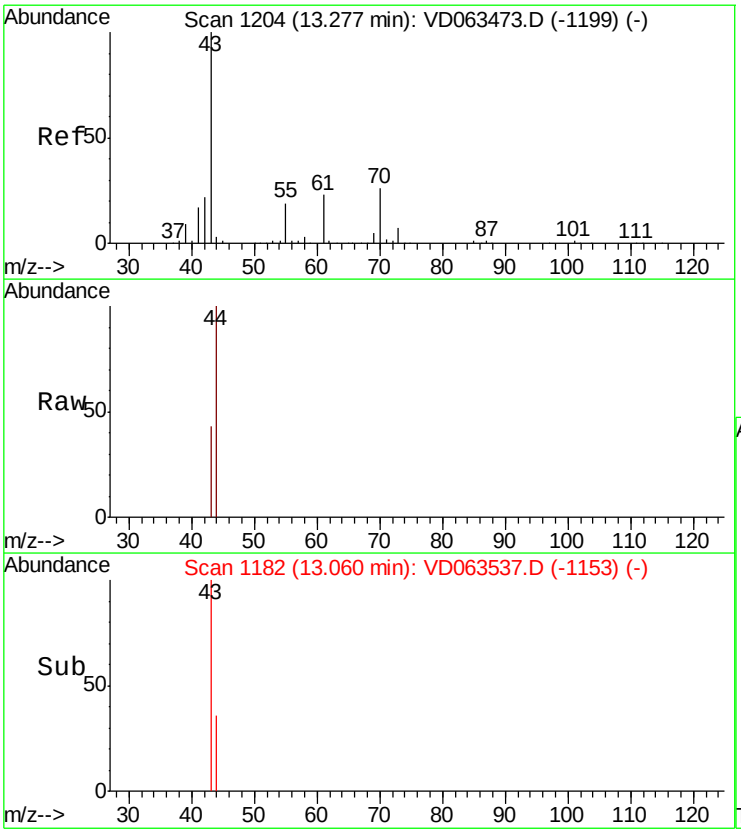
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:152 Resp: 21039

Ion	Ratio	Lower	Upper
152	100		
115	42.3	30.9	92.7
150	142.1	0.0	318.6

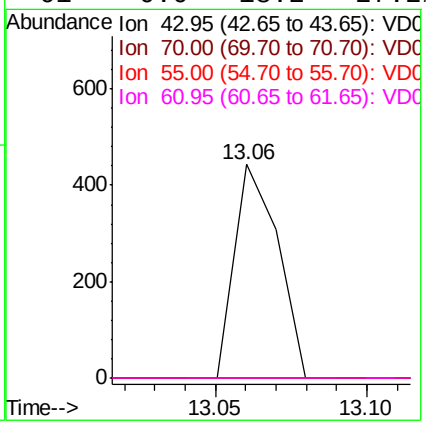


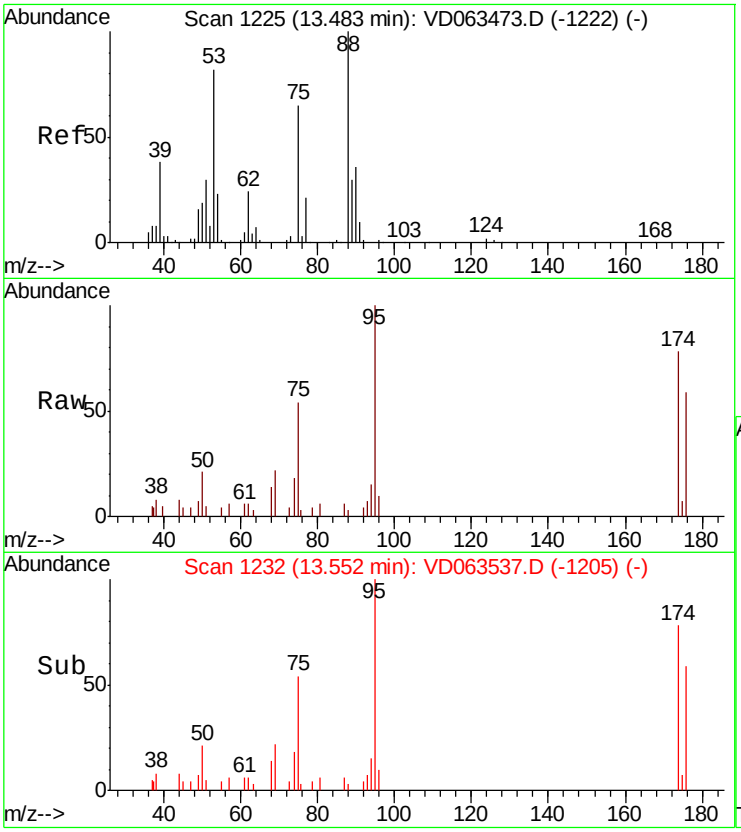


#74
N-amyl acetate
Concen: 1.319 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.22 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion: 43 Resp: 443

Ion	Ratio	Lower	Upper
43	100		
70	0.0	21.1	31.7#
55	0.0	15.4	23.0#
61	0.0	18.2	27.2#



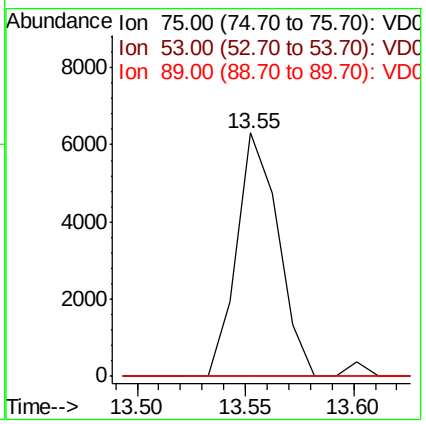


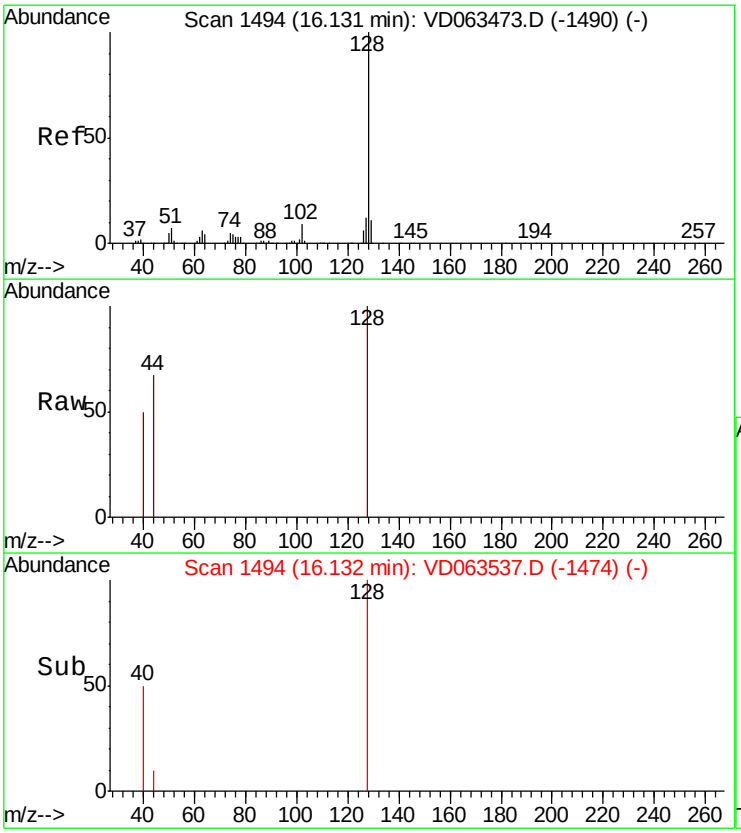
#81
trans-1,4-Dichloro-2-butene
Concen: 130.560 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 8473

Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#





#95
Naphthalene
Concen: 1.809 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD063537.D
Acq: 13 Aug 2019 19:48

Tgt Ion:128 Resp: 1132

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.0#
129	0.0	8.5	12.7#