Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
Data File : VD064961.D
Acq On : 27 Jan 2020 14:01
Operator : VA/SY
Sample : L1237-01RE
Misc : 8.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PATERSON-USTRE

Quant Time: Jan 27 15:36:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.98	168	40077	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.87	114	58857	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.65	117	59320	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	30727	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.34	65	27540	71.64	ug/l		0.00
Spiked Amount 50.000			Recovery = 143.28%				
35) Dibromofluoromethane	7.91	113	23932	64.70	ug/l		0.00
Spiked Amount 50.000			Recovery = 129.40%				
50) Toluene-d8	10.34	98	69084	48.39	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.78%				
62) 4-Bromofluorobenzene	12.64	95	25550	58.49	ug/l		0.00
Spiked Amount 50.000			Recovery = 116.98%				
Target Compounds							Qvalue
3) Chloromethane	2.20	50	905	2.05	ug/l	#	86
5) Bromomethane	2.79	94	1164	3.40	ug/l	#	36
10) Methyl Iodide	4.30	142	707	1.82	ug/l	#	39
11) Tert butyl alcohol	5.22	59	69	3.25	ug/l	#	1
13) Acrolein	3.92	56	138	5.18	ug/l	#	74
15) Acrylonitrile	5.46	53	79	1.03	ug/l	#	17
16) Acetone	4.17	43	1023	22.84	ug/l	#	45
20) Methylene Chloride	4.94	84	845	Below Cal		#	56
25) 2-Butanone	7.24	43	385	3.71	ug/l	#	49
31) Cyclohexane	7.98	56	1524	2.28	ug/l	#	36
38) Carbon Tetrachloride	7.98	117	3994	6.66	ug/l	#	26
41) Methacrylonitrile	7.57	41	135	1.07	ug/l	#	49
51) 4-Methyl-2-Pentanone	10.23	43	387	1.74	ug/l		90
59) 2-Hexanone	11.00	43	278	1.81	ug/l	#	25
68) m/p-Xylenes	11.86	106	909	1.10	ug/l		93
69) o-Xylene	12.18	106	888	1.22	ug/l		69
76) 1,2,3-Trichloropropane	12.64	75	13662	53.57	ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.97	105	3885	2.26	ug/l		96
81) trans-1,4-Dichloro-2-buten	12.64	75	13662	114.38	ug/l	#	9
84) 1,2,4-Trimethylbenzene	13.28	105	2769	1.59	ug/l		94
88) 1,4-Dichlorobenzene	13.61	146	1069	1.09	ug/l	#	49
90) Hexachloroethane	14.12	117	605	1.62	ug/l	#	8
92) 1,2-Dibromo-3-Chloropropan	14.29	75	70	1.24	ug/l	#	1
93) 1,2,4-Trichlorobenzene	15.17	180	2280	3.94	ug/l	#	1
95) Naphthalene	15.41	128	5466	5.85	ug/l	#	74
96) 1,2,3-Trichlorobenzene	15.62	180	1007	2.01	ug/l	#	76

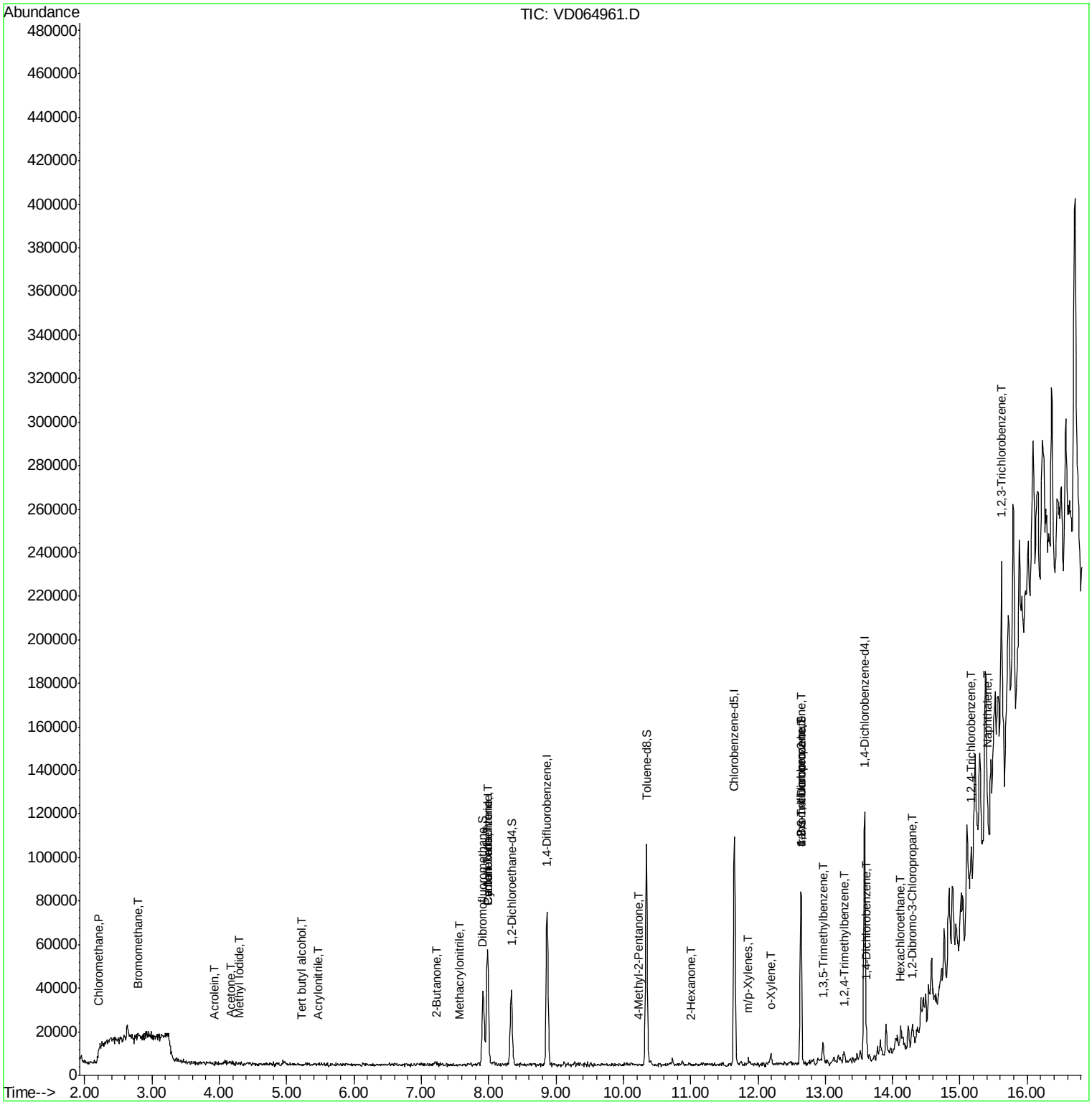
(#) = qualifier out of range (m) = manual integration (+) = signals summed

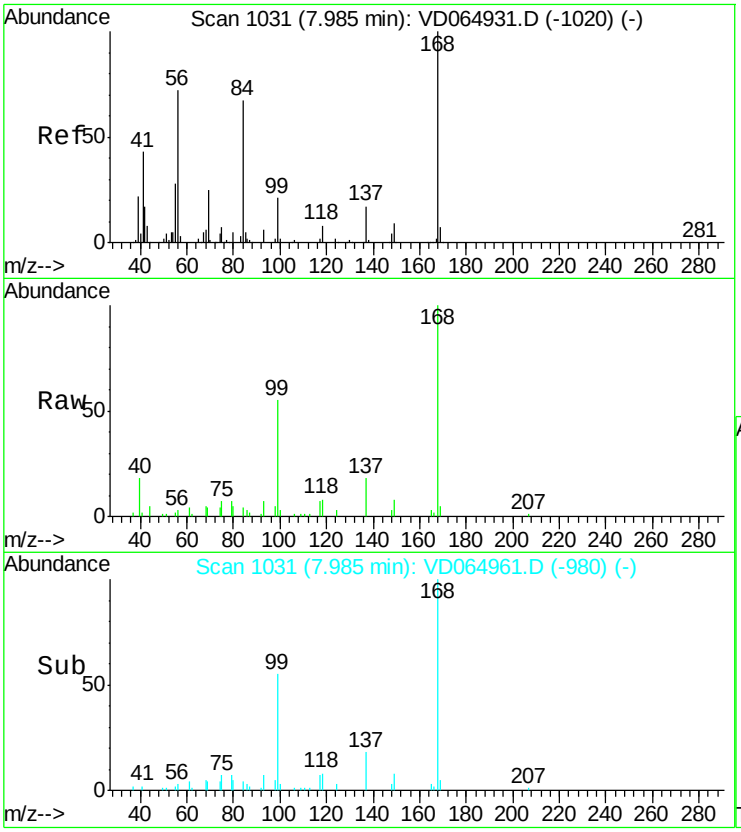
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
Data File : VD064961.D
Acq On : 27 Jan 2020 14:01
Operator : VA/SY
Sample : L1237-01RE
Misc : 8.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Quant Time: Jan 27 15:36:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration



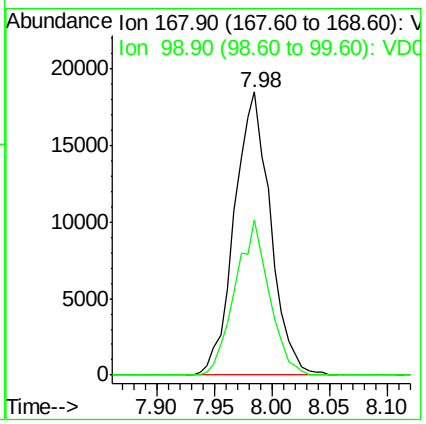


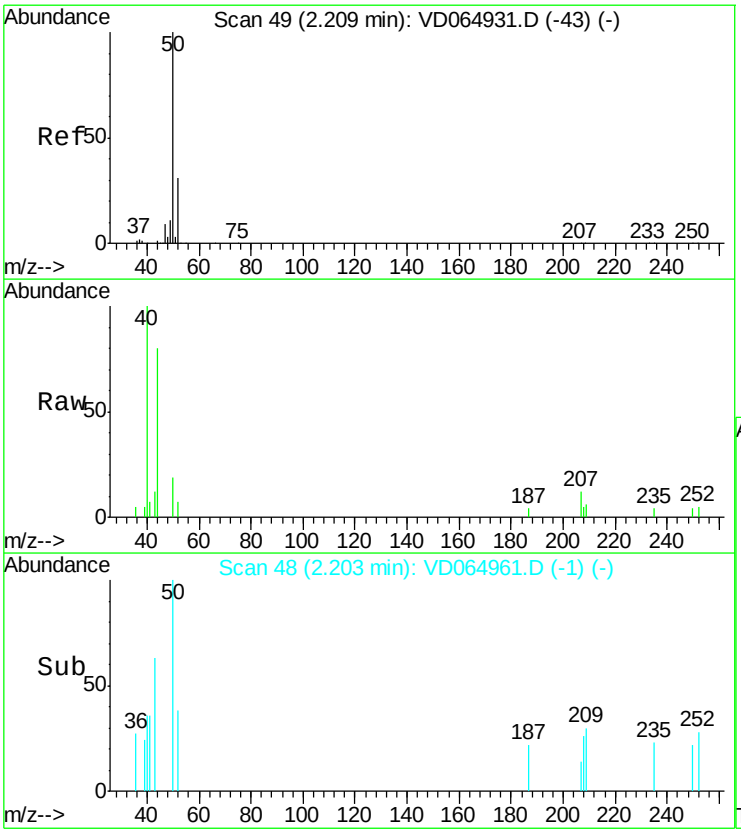
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:168 Resp: 40077

Ion	Ratio	Lower	Upper
168	100		
99	55.0	43.3	64.9

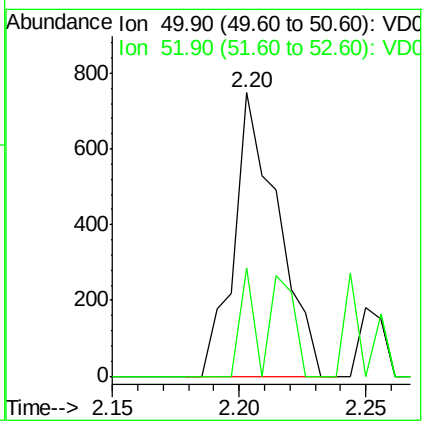


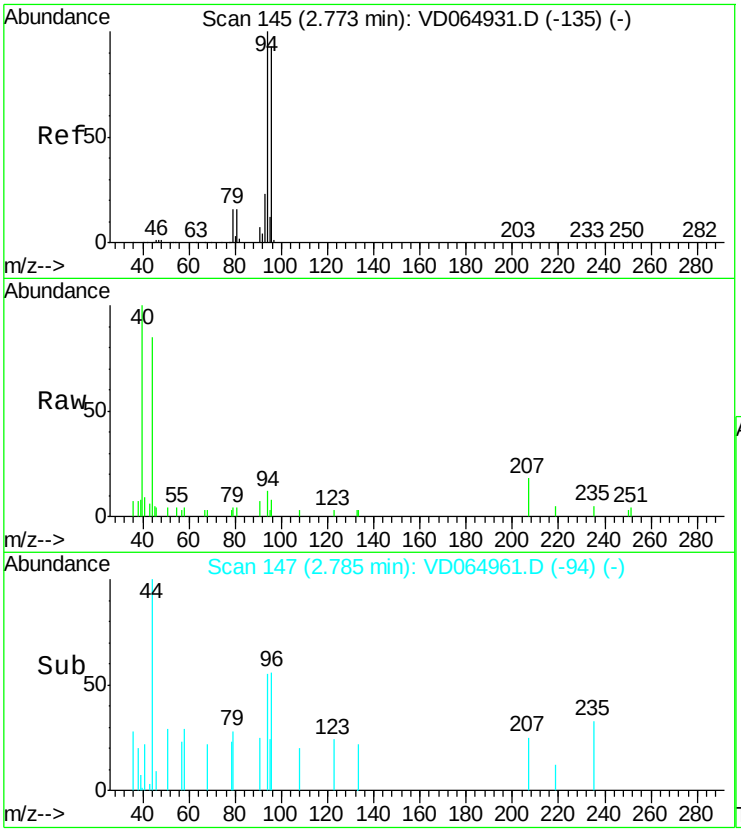


#3
Chloromethane
Concen: 2.05 ug/l
RT: 2.20 min Scan# 48
Delta R.T. -0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 50 Resp: 905

Ion	Ratio	Lower	Upper
50	100		
52	38.1	24.6	36.8#



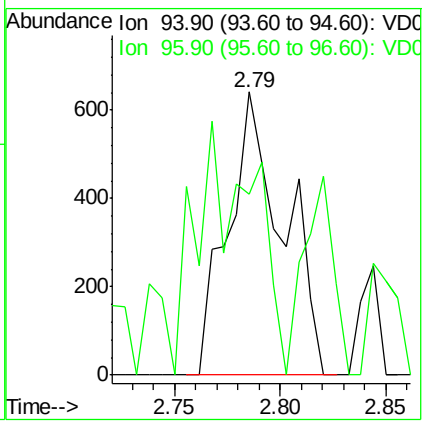


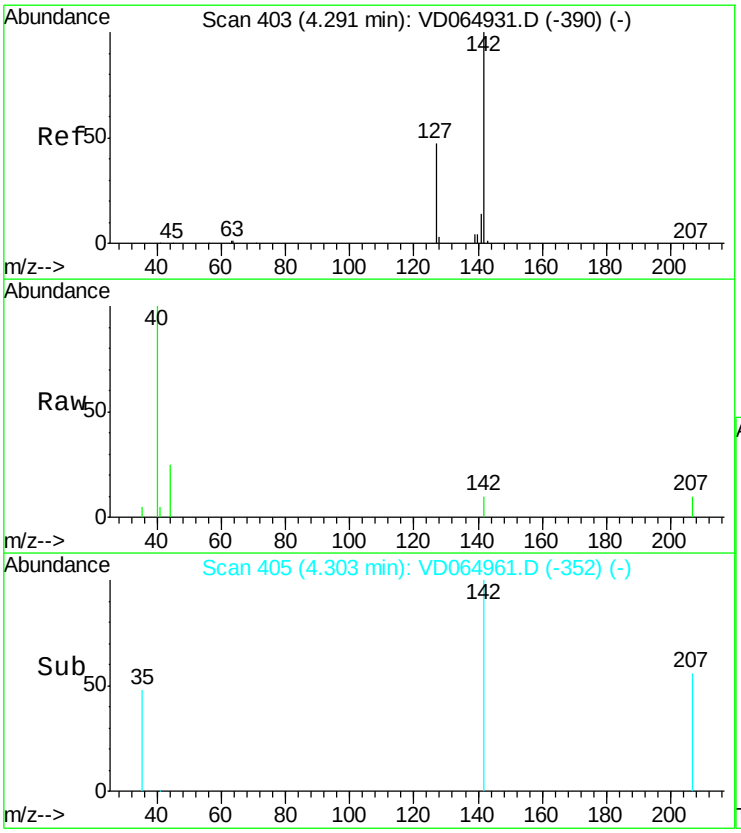
#5
Bromomethane
Concen: 3.40 ug/l
RT: 2.79 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 94 Resp: 1164

Ion	Ratio	Lower	Upper
94	100		
96	31.7	74.6	111.8#

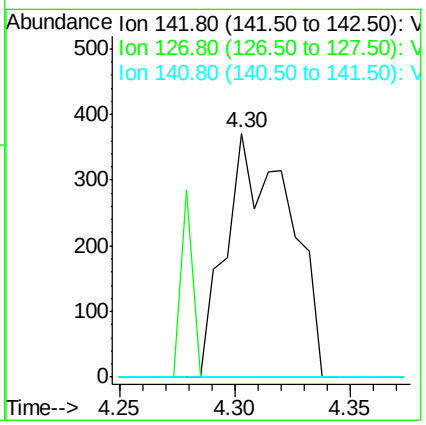


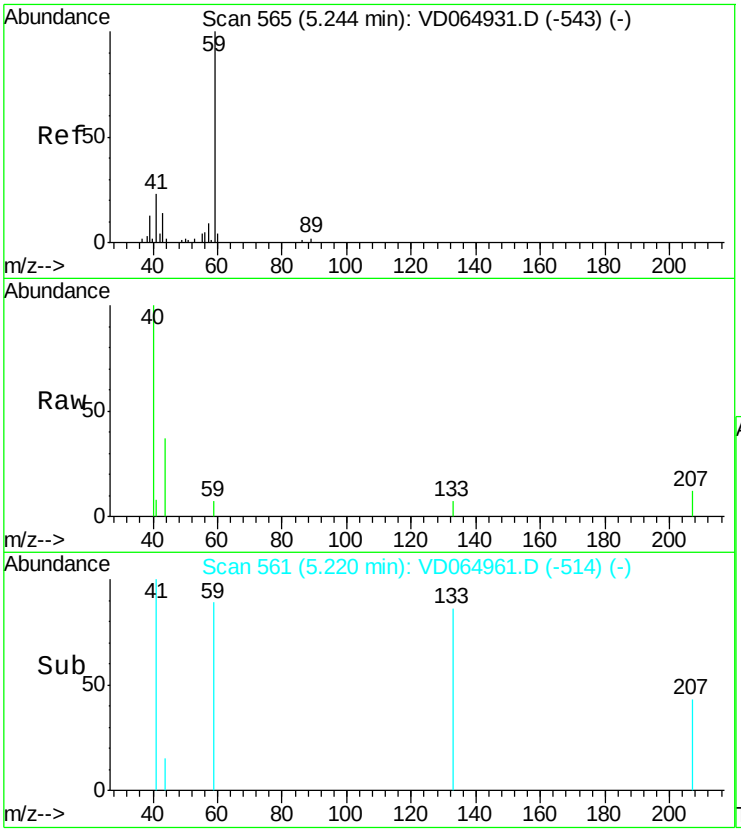


#10
Methyl Iodide
Concen: 1.82 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:142 Resp: 707

Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.2	54.2#
141	0.0	11.6	17.4#



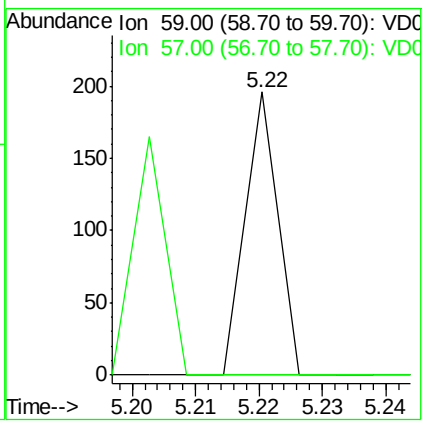


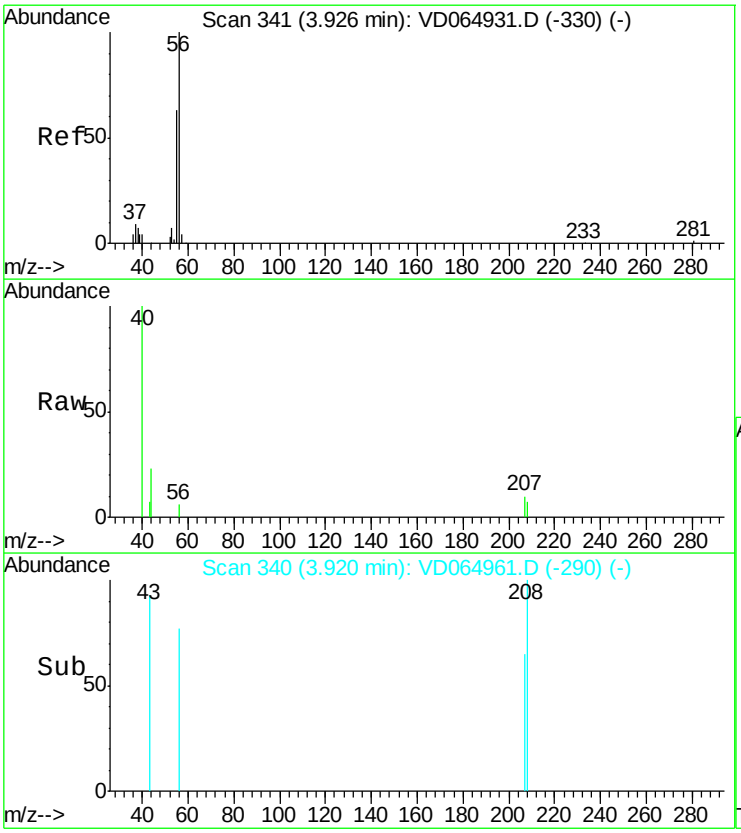
#11
Tert butyl alcohol
Concen: 3.25 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument : MSVOA_D
ClientSampleId : PATERSON-USTRE

Tgt Ion: 59 Resp: 69

Ion	Ratio	Lower	Upper
59	100		
57	84.1	7.7	11.5#

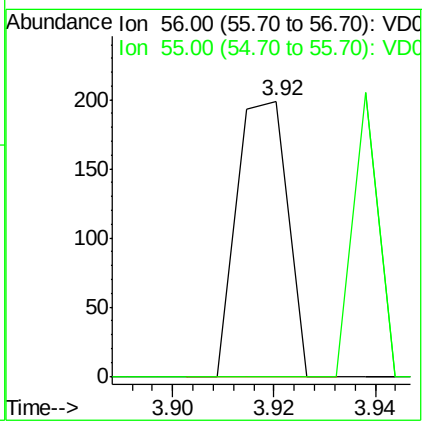


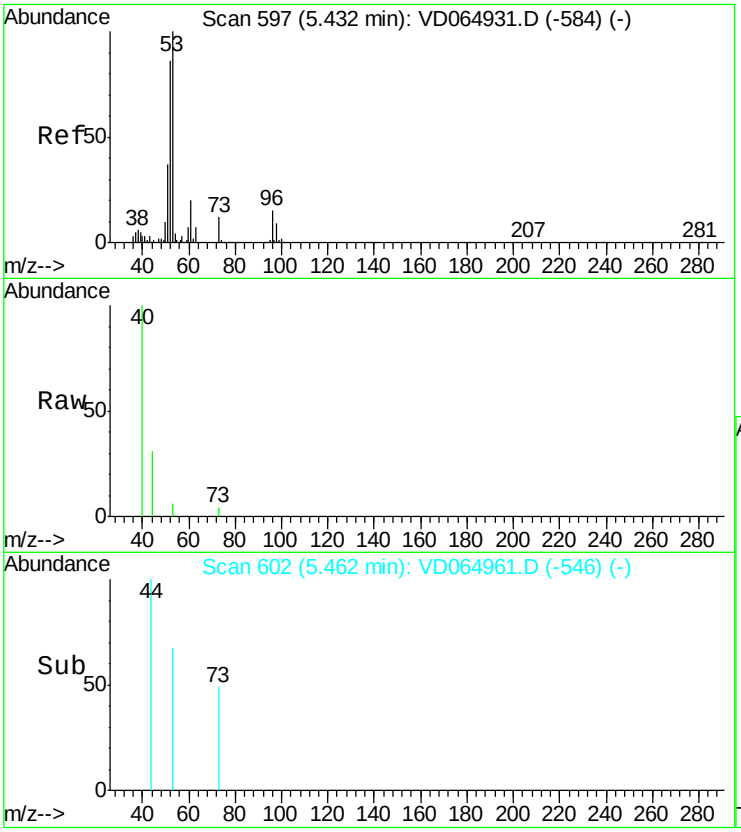


#13
Acrolein
Concen: 5.18 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 56 Resp: 138

Ion	Ratio	Lower	Upper
56	100		
55	52.2	59.7	89.5#



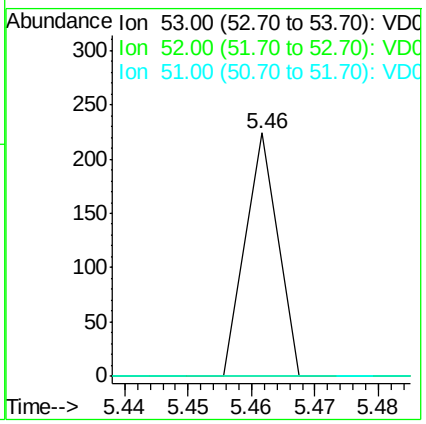


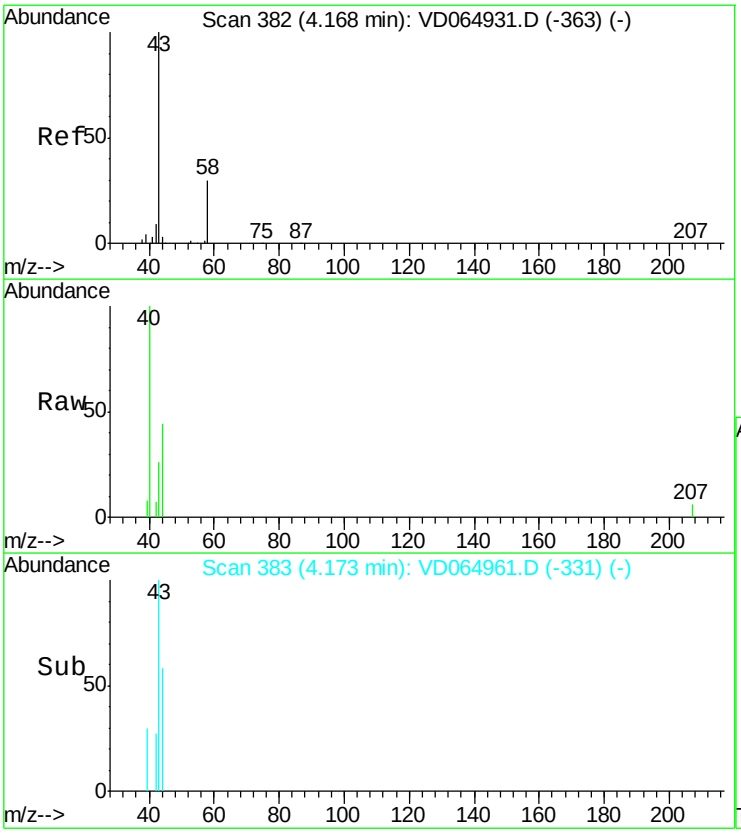
#15
Acrylonitrile
Concen: 1.03 ug/l
RT: 5.46 min Scan# 602
Delta R.T. 0.03 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 53 Resp: 79

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.7	100.1#
51	0.0	31.1	46.7#

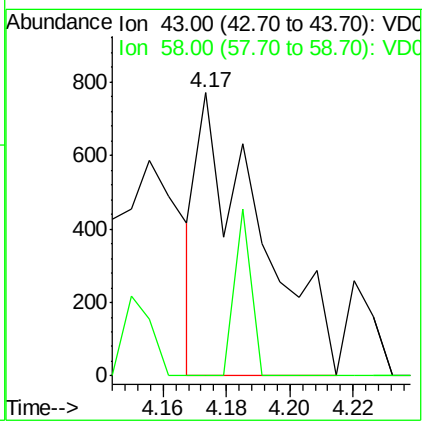


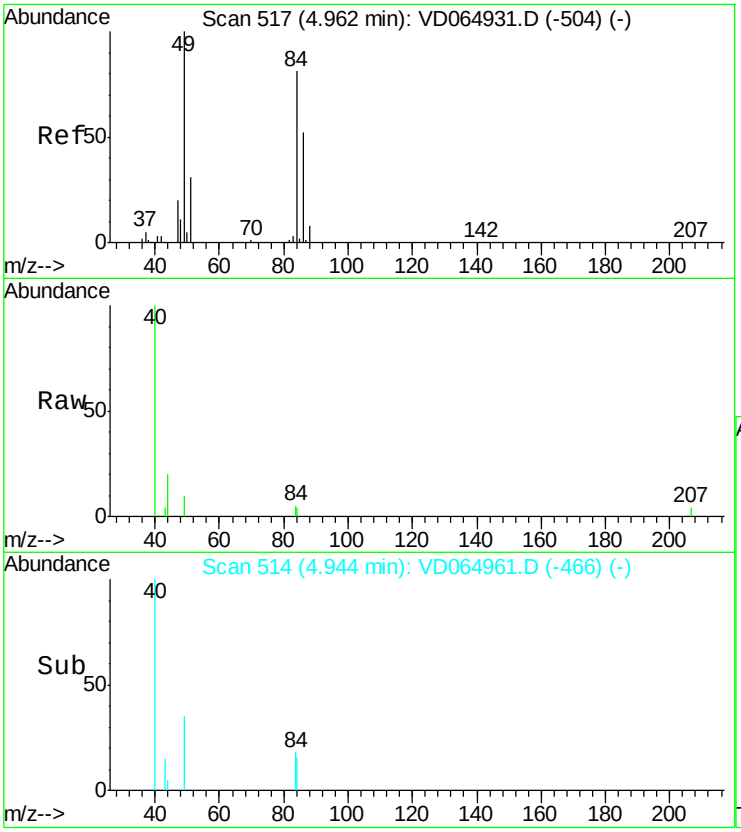


#16
Acetone
Concen: 22.84 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 43 Resp: 1023

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.8	35.8#



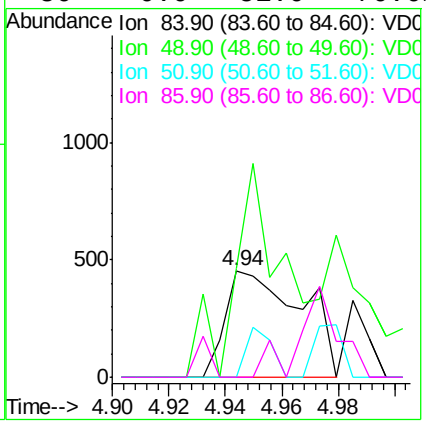


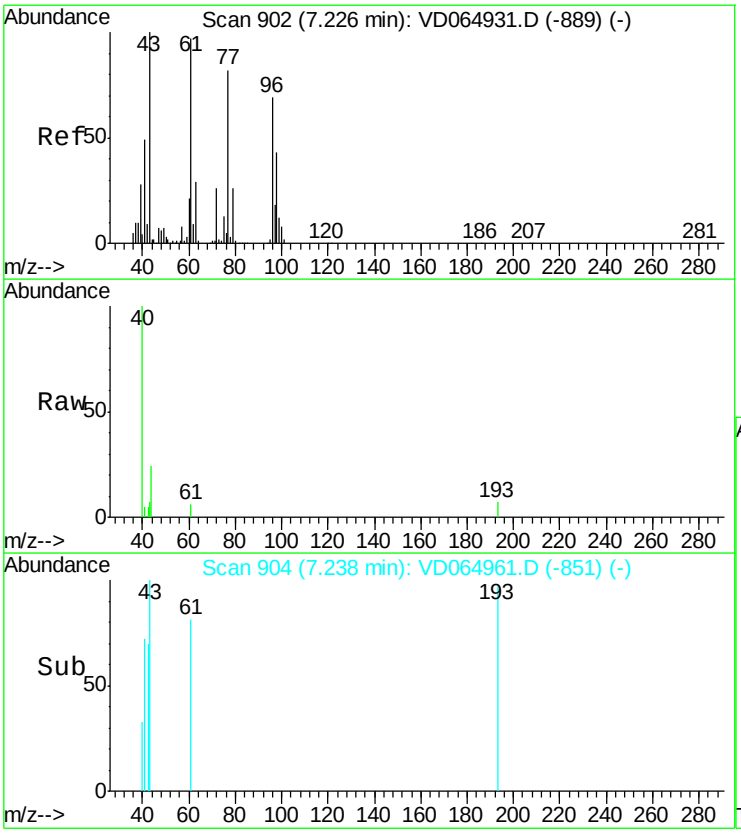
#20
Methylene Chloride
Concen: Below Cal
RT: 4.94 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 84 Resp: 845

Ion	Ratio	Lower	Upper
84	100		
49	102.6	98.4	147.6
51	0.0	30.8	46.2#
86	0.0	51.0	76.6#

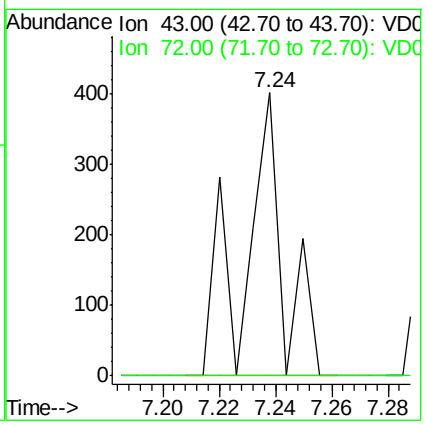


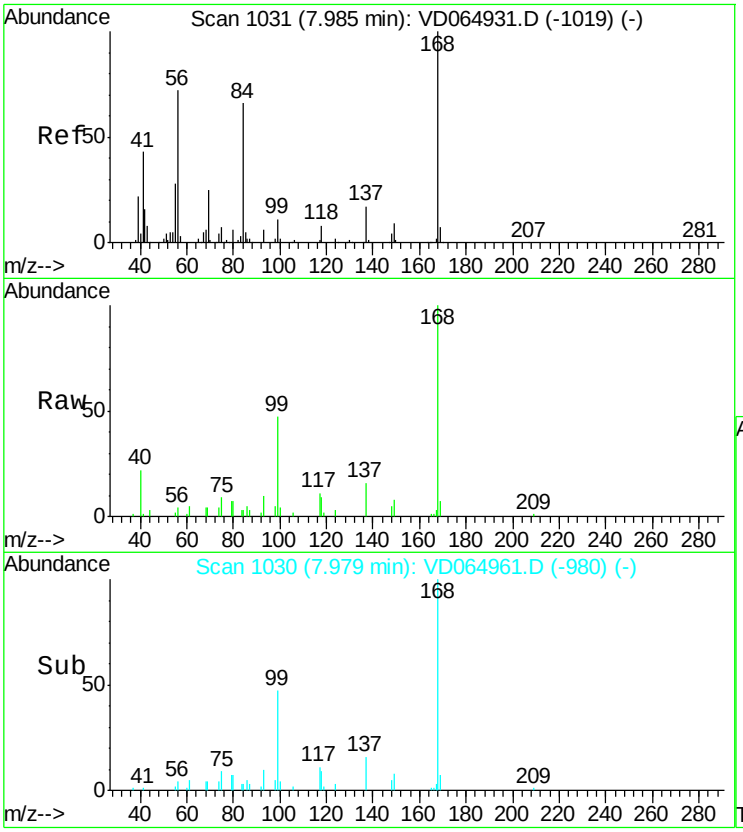


#25
2-Butanone
Concen: 3.71 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 43 Resp: 385

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.6	31.0#



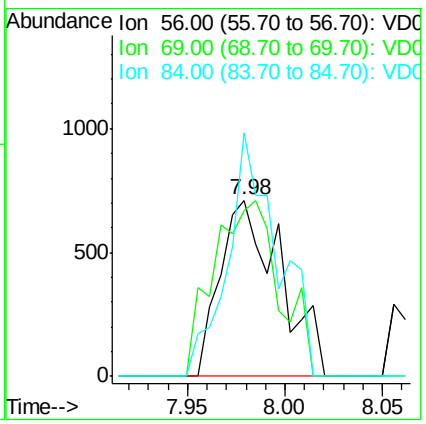


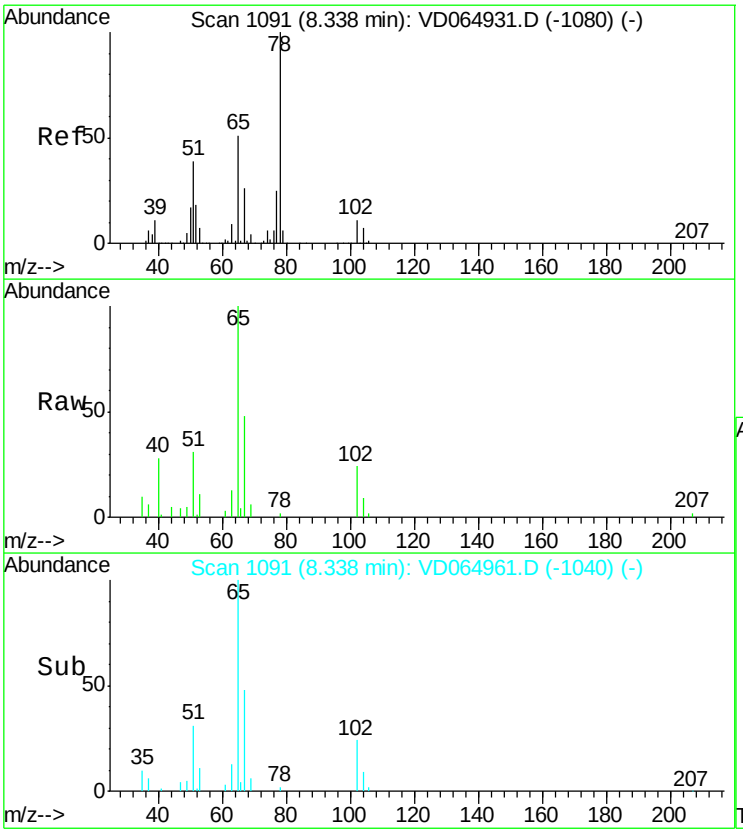
#31
Cyclohexane
Concen: 2.28 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 56 Resp: 1524

Ion	Ratio	Lower	Upper
56	100		
69	94.1	27.9	41.9#
84	138.5	72.8	109.2#

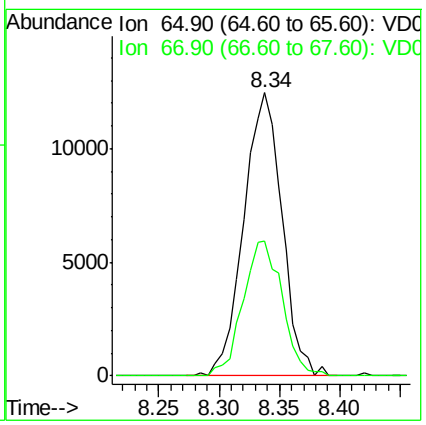


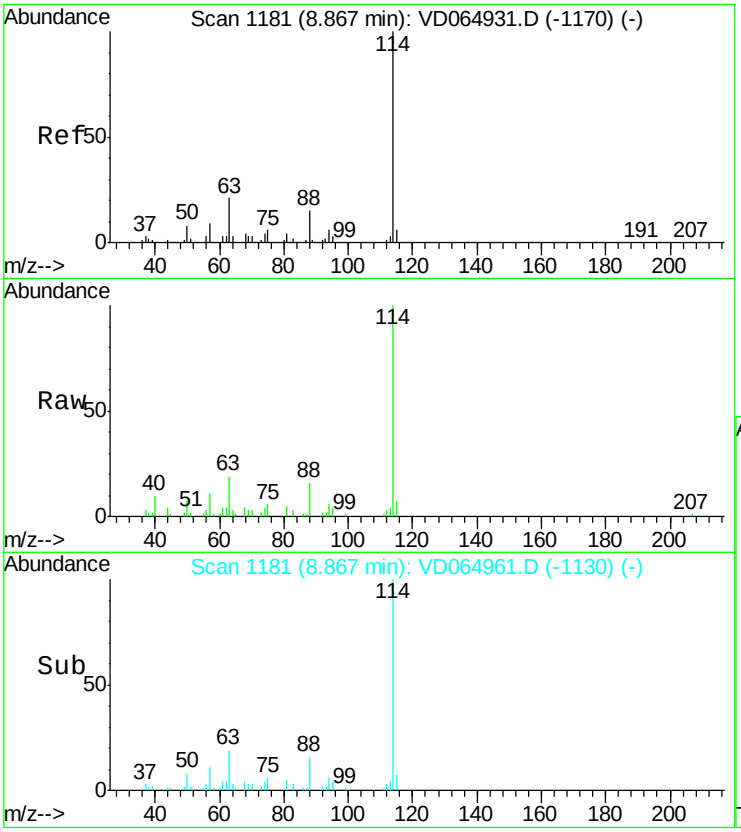


#33
1,2-Dichloroethane-d4
Concen: 71.64 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 65 Resp: 27540

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	103.6



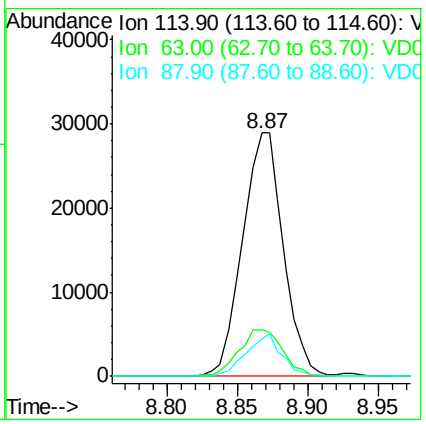


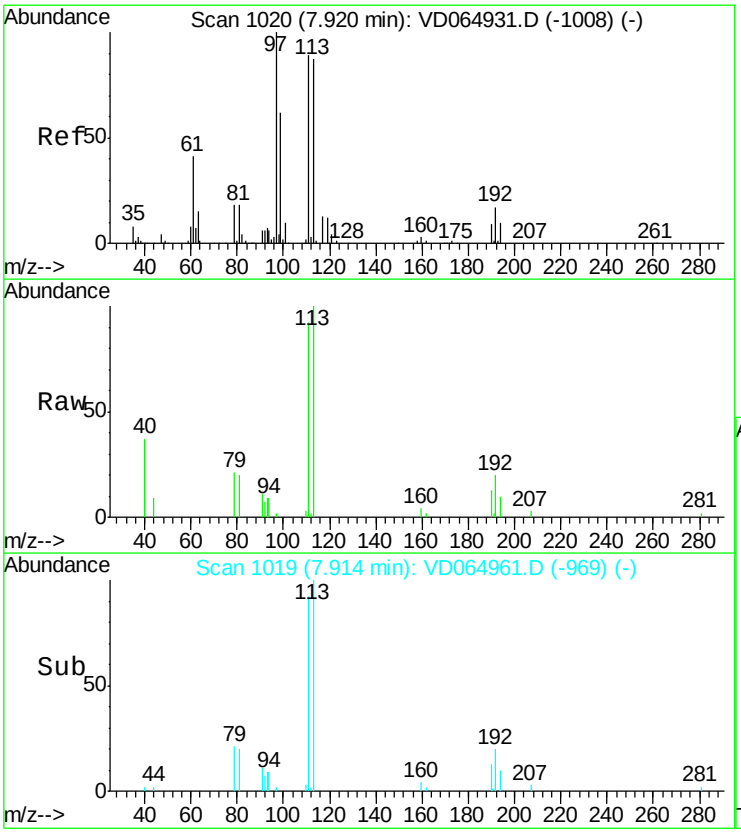
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:114 Resp: 58857

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.0
88	15.6	0.0	29.4

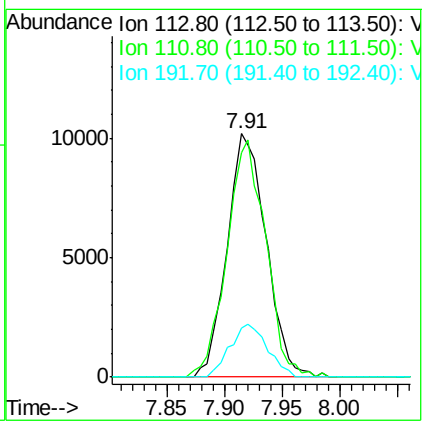


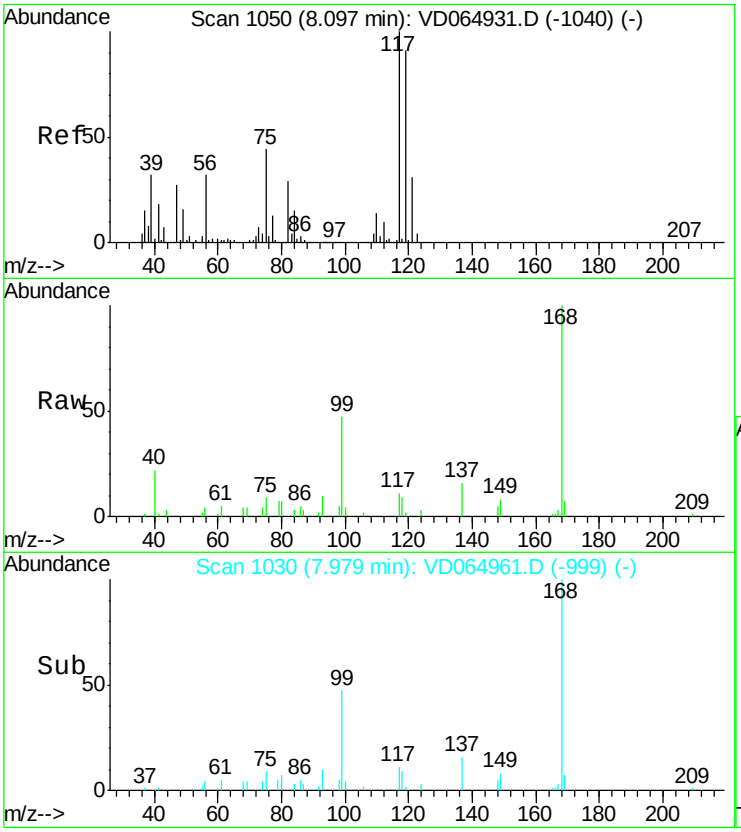


#35
Dibromofluoromethane
Concen: 64.70 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:113 Resp: 23932

Ion	Ratio	Lower	Upper
113	100		
111	96.9	82.4	123.6
192	20.8	16.9	25.3



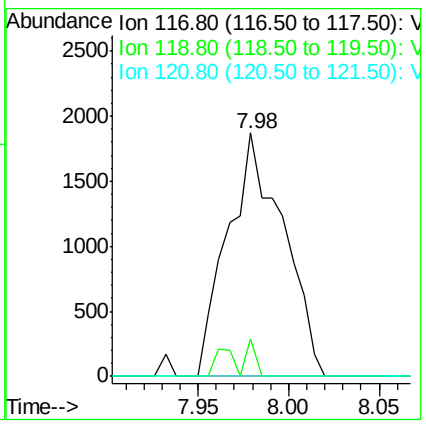


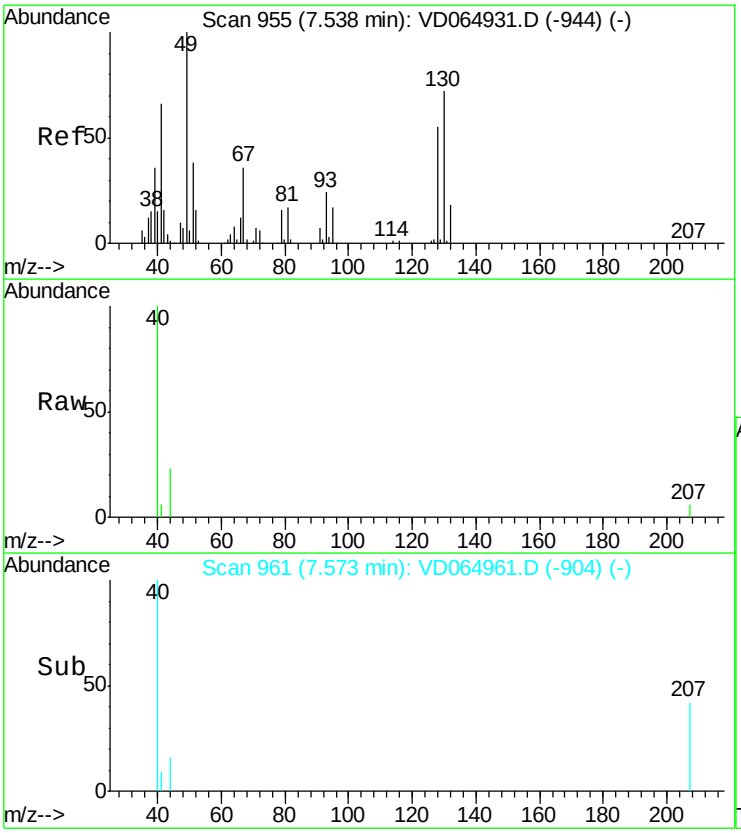
#38
Carbon Tetrachloride
Concen: 6.66 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:117 Resp: 3994

Ion	Ratio	Lower	Upper
117	100		
119	15.7	73.2	109.8#
121	0.0	24.4	36.6#

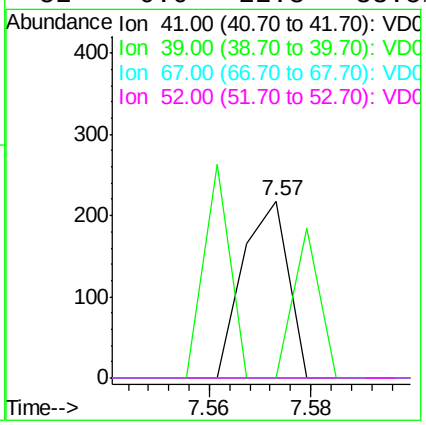


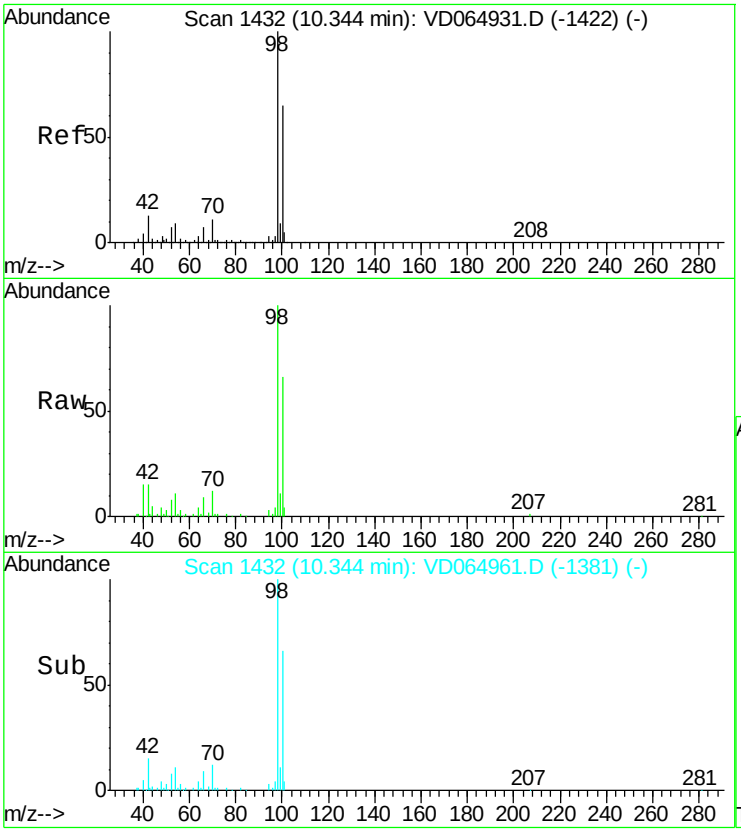


#41
Methacrylonitrile
Concen: 1.07 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 41 Resp: 135

Ion	Ratio	Lower	Upper
41	100		
39	48.1	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#



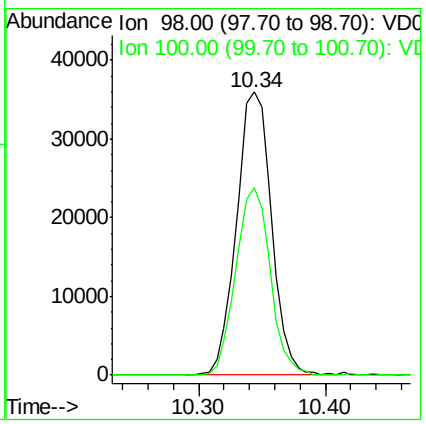


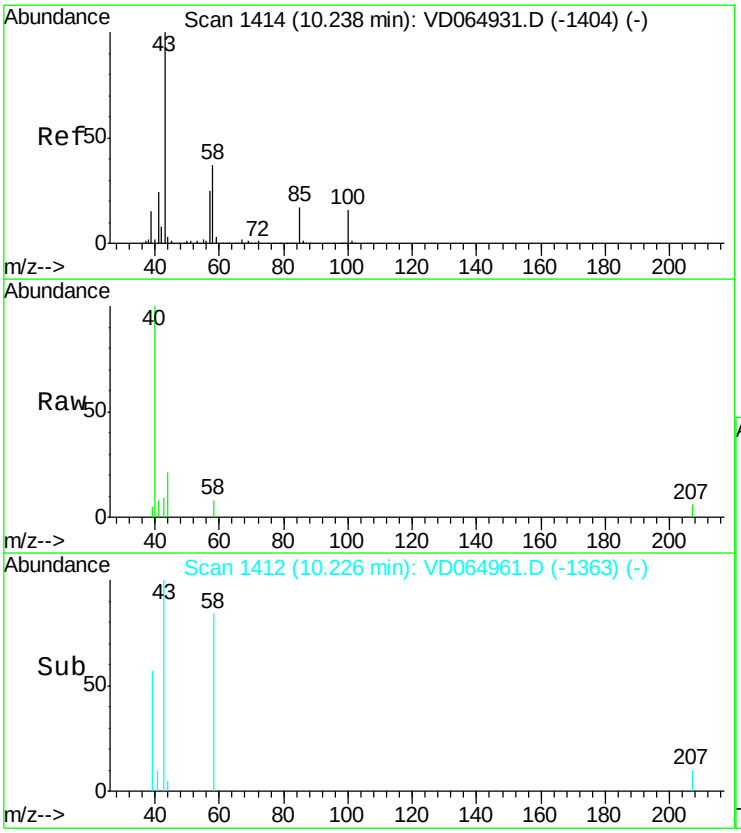
#50
Toluene-d8
Concen: 48.39 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 98 Resp: 69084

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5

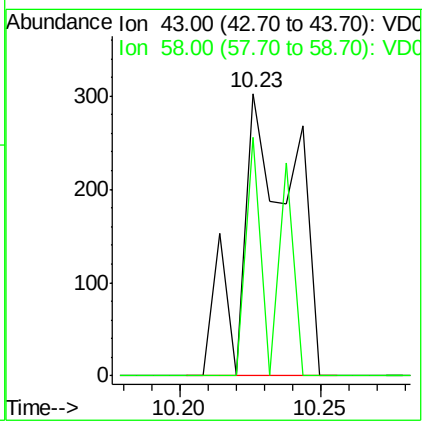


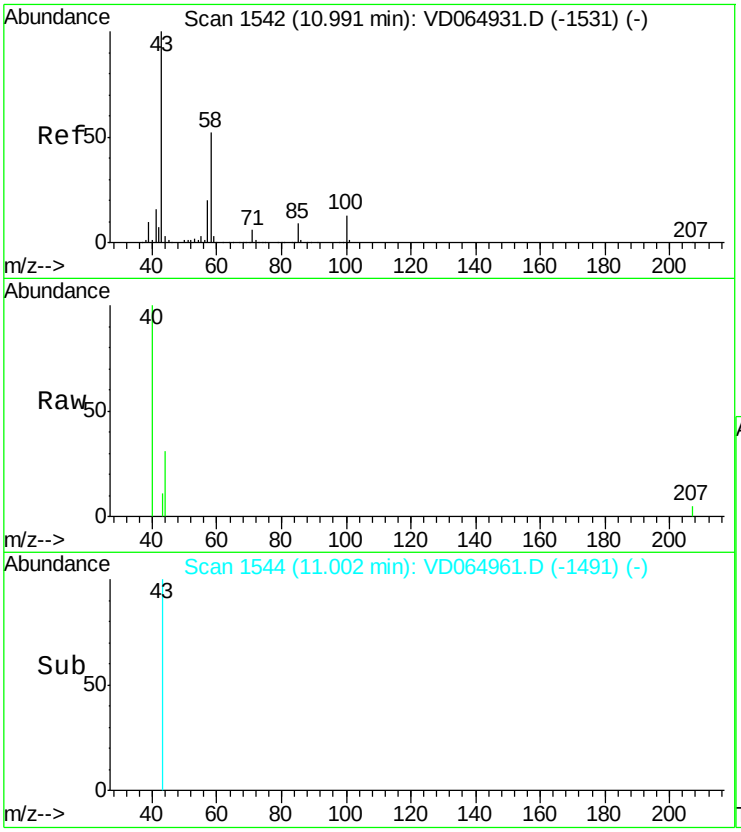


#51
4-Methyl-2-Pentanone
Concen: 1.74 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 43 Resp: 387

Ion	Ratio	Lower	Upper
43	100		
58	44.2	30.4	45.6



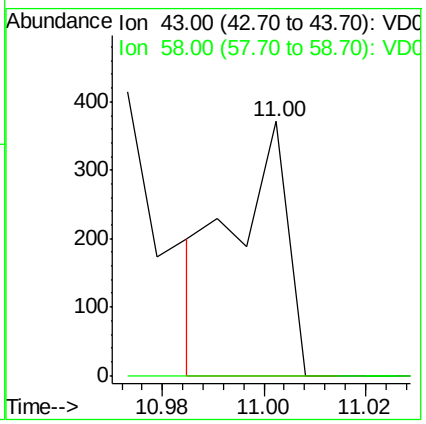


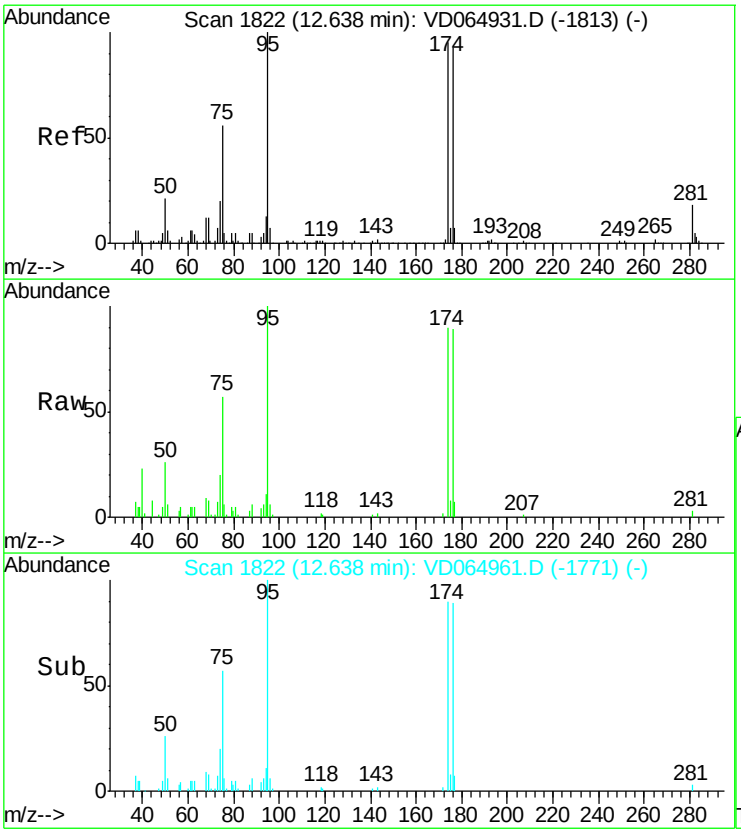
#59
2-Hexanone
Concen: 1.81 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument : MSVOA_D
ClientSampleId : PATERSON-USTRE

Tgt Ion: 43 Resp: 278

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.5	79.4#

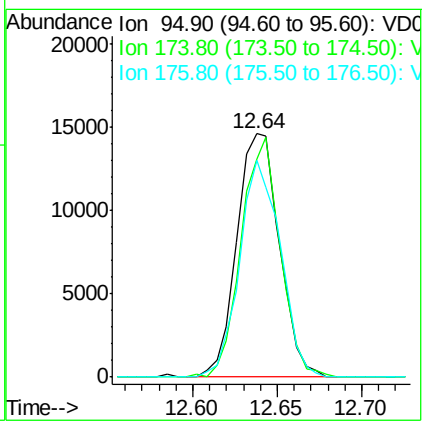


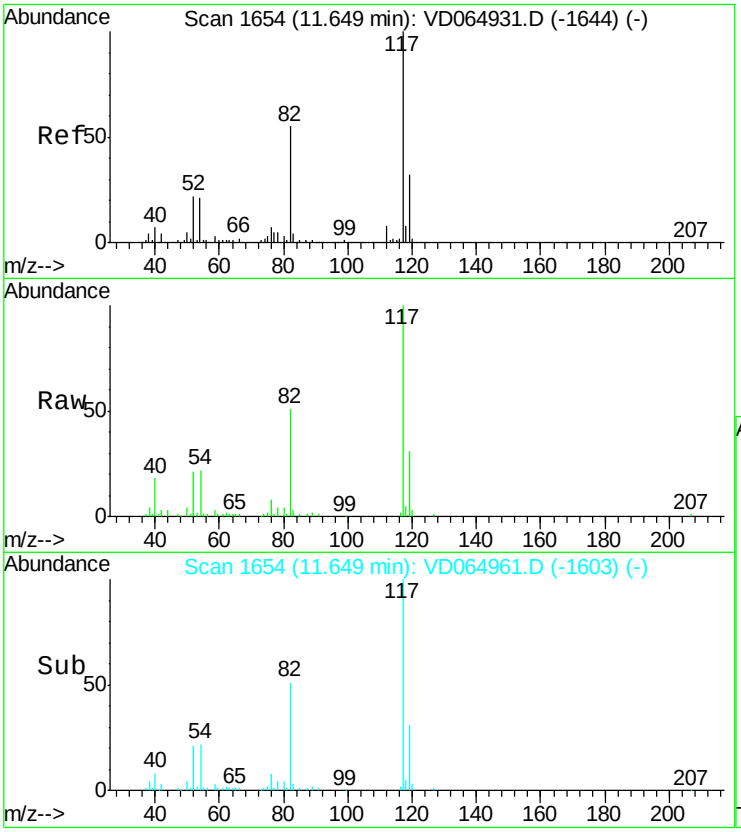


#62
4-Bromofluorobenzene
Concen: 58.49 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion: 95 Resp: 25550

Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	186.8
176	85.4	0.0	183.4



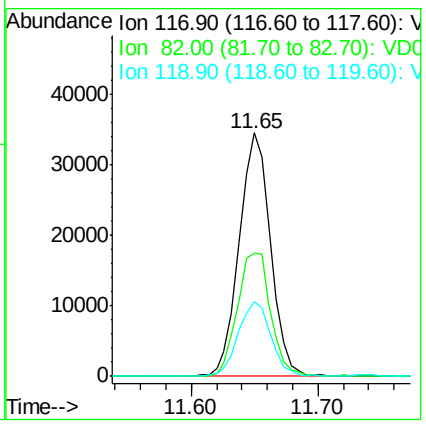


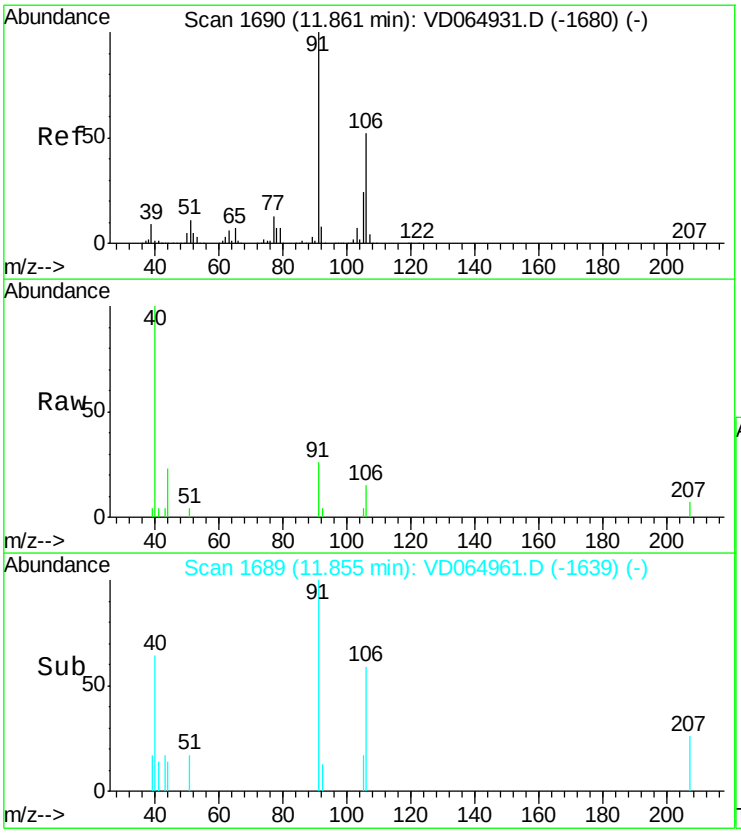
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:117 Resp: 59320

Ion	Ratio	Lower	Upper
117	100		
82	50.9	43.6	65.4
119	30.6	25.2	37.8

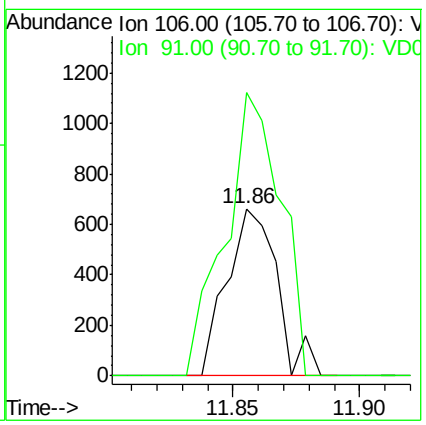


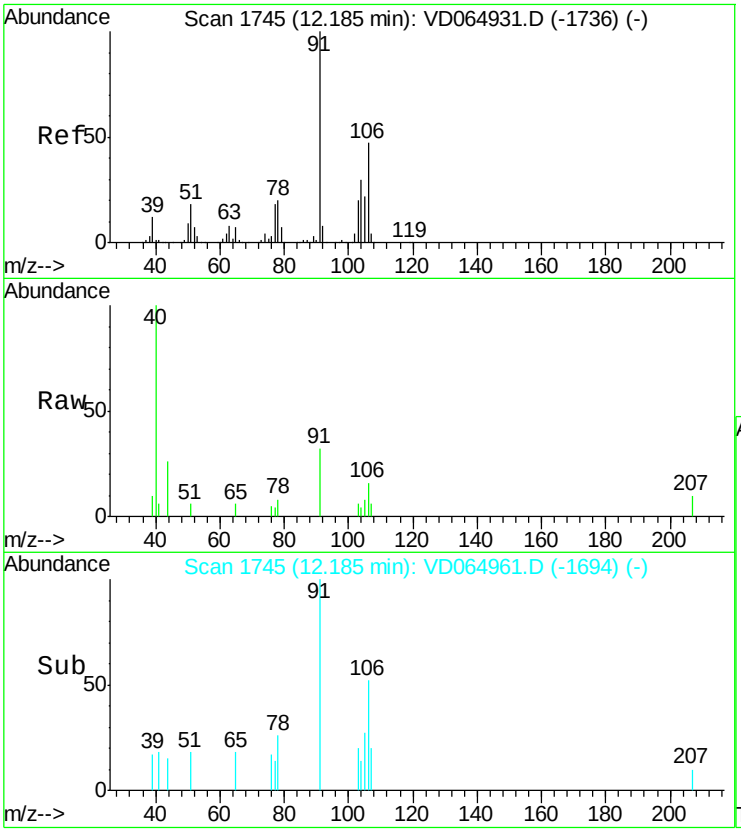


#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:106 Resp: 909

Ion	Ratio	Lower	Upper
106	100		
91	188.0	159.0	238.4



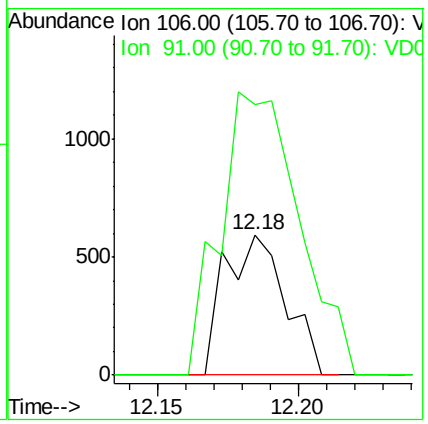


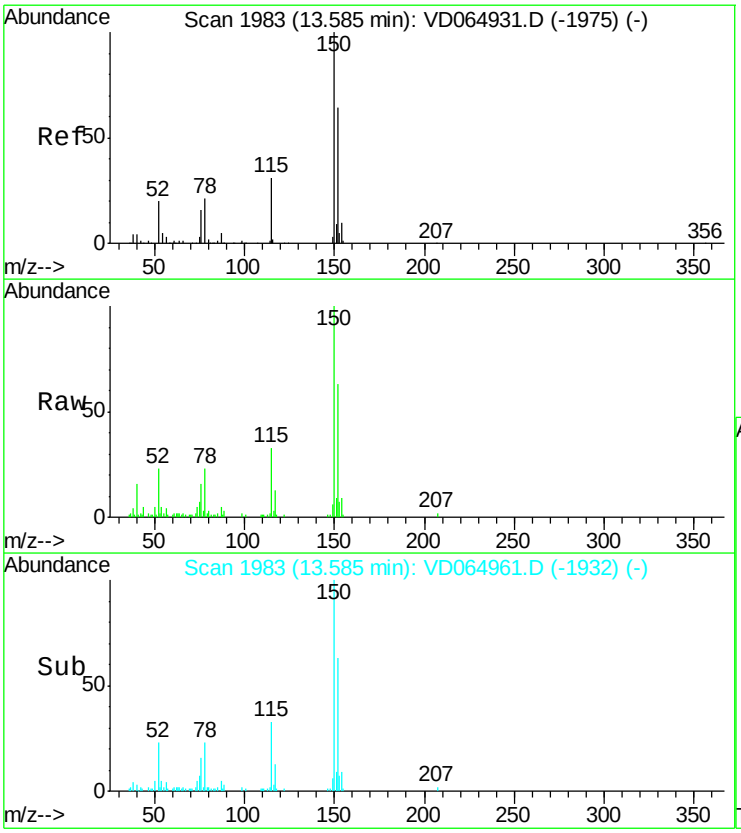
#69
o-Xylene
Concen: 1.22 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:106 Resp: 888

Ion	Ratio	Lower	Upper
106	100		
91	262.2	106.7	319.9

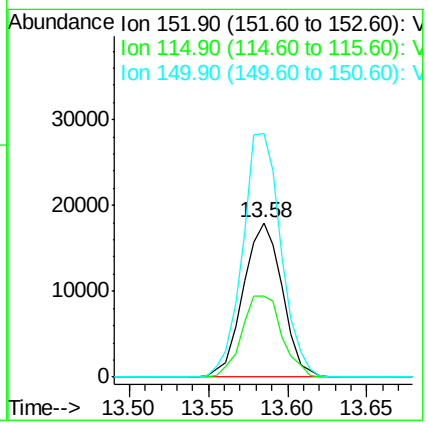


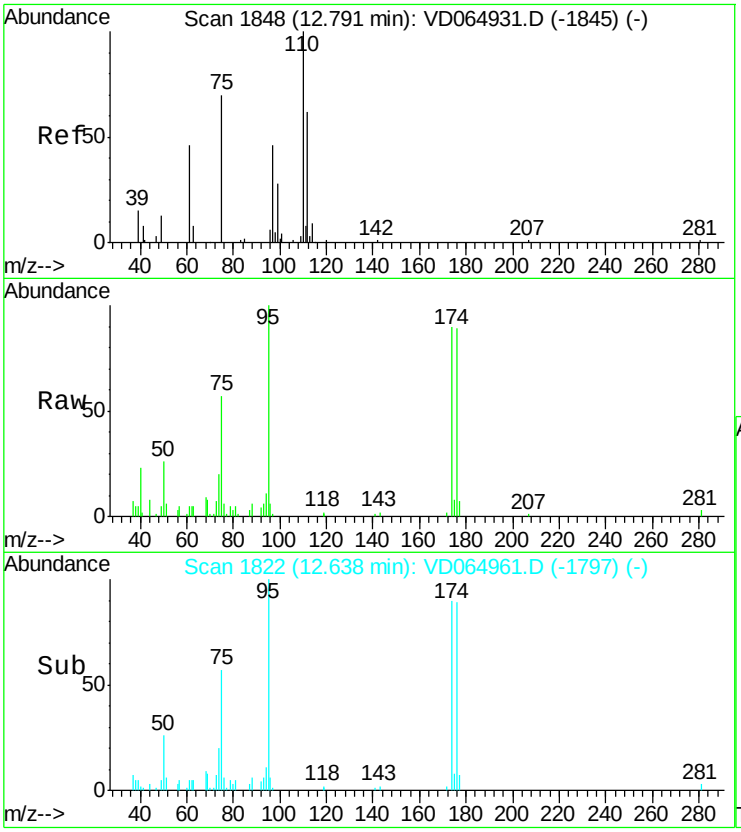


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:152 Resp: 30727

Ion	Ratio	Lower	Upper
152	100		
115	54.2	28.1	84.4
150	155.6	0.0	350.4



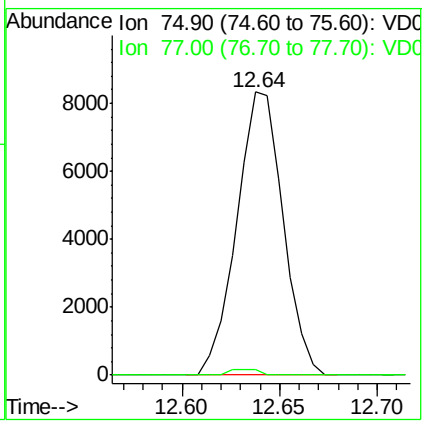


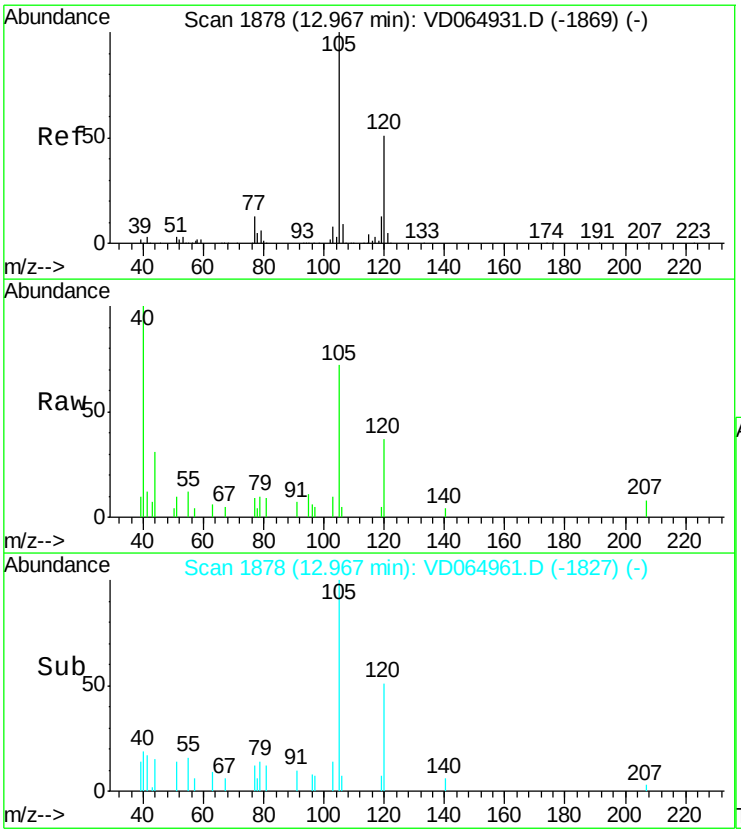
#76
1,2,3-Trichloropropane
Concen: 53.57 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 75 Resp: 13662

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

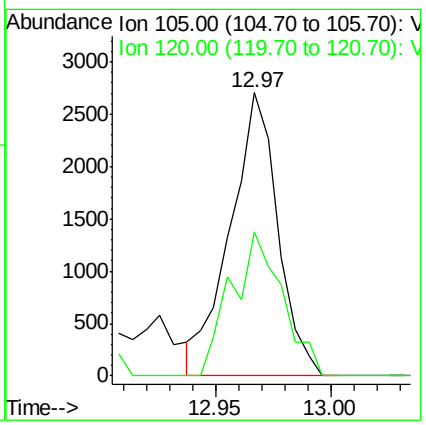


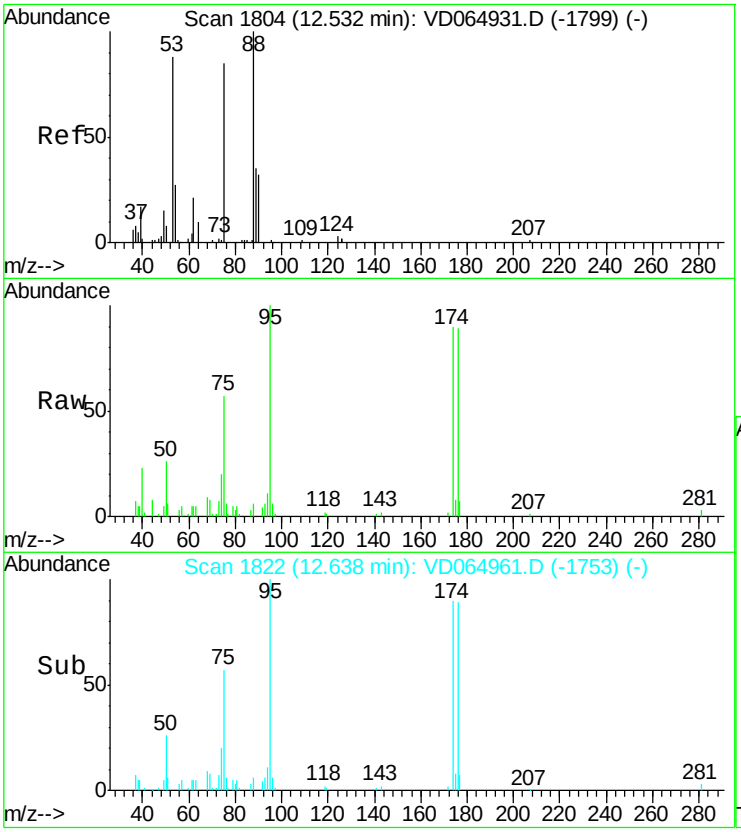


#80
1,3,5-Trimethylbenzene
Concen: 2.26 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:105 Resp: 3885

Ion	Ratio	Lower	Upper
105	100		
120	54.3	25.6	76.8



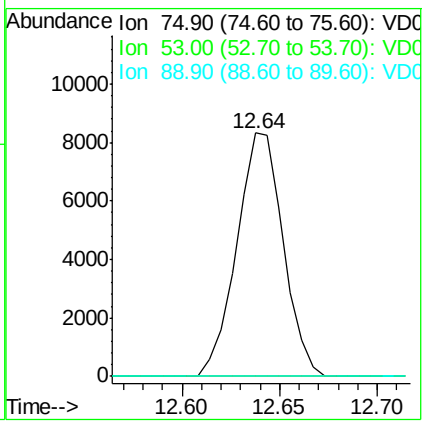


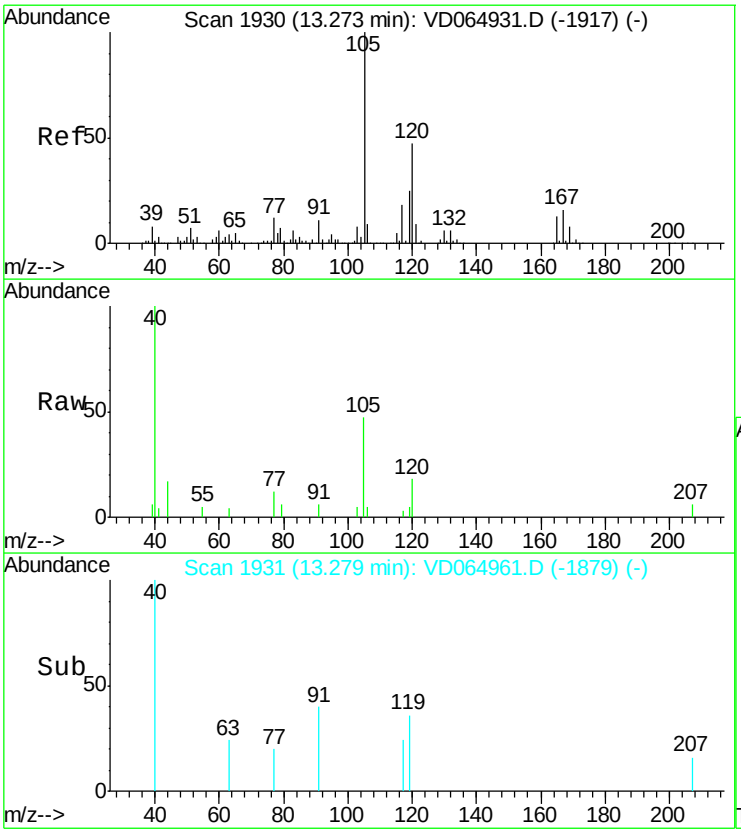
#81
trans-1,4-Dichloro-2-butene
Concen: 114.38 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 75 Resp: 13662

Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.4#
89	0.0	36.2	54.4#

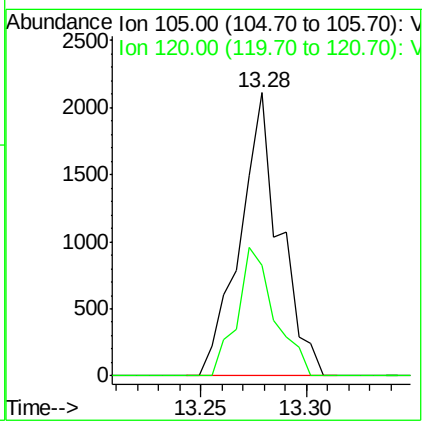


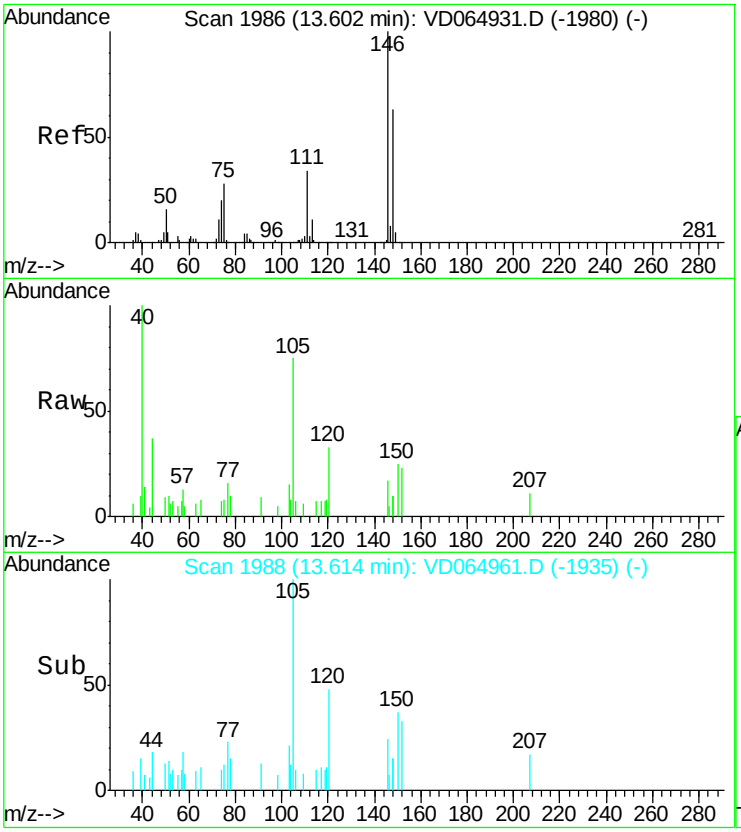


#84
1,2,4-Trimethylbenzene
Concen: 1.59 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:105 Resp: 2769

Ion	Ratio	Lower	Upper
105	100		
120	42.2	23.1	69.3



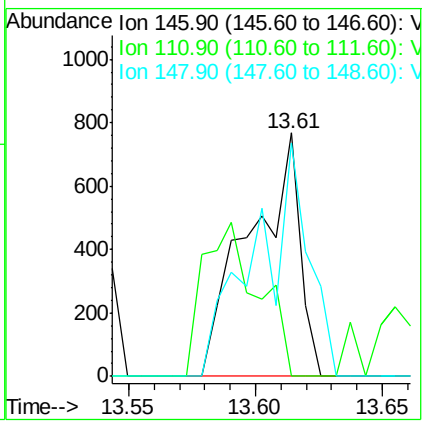


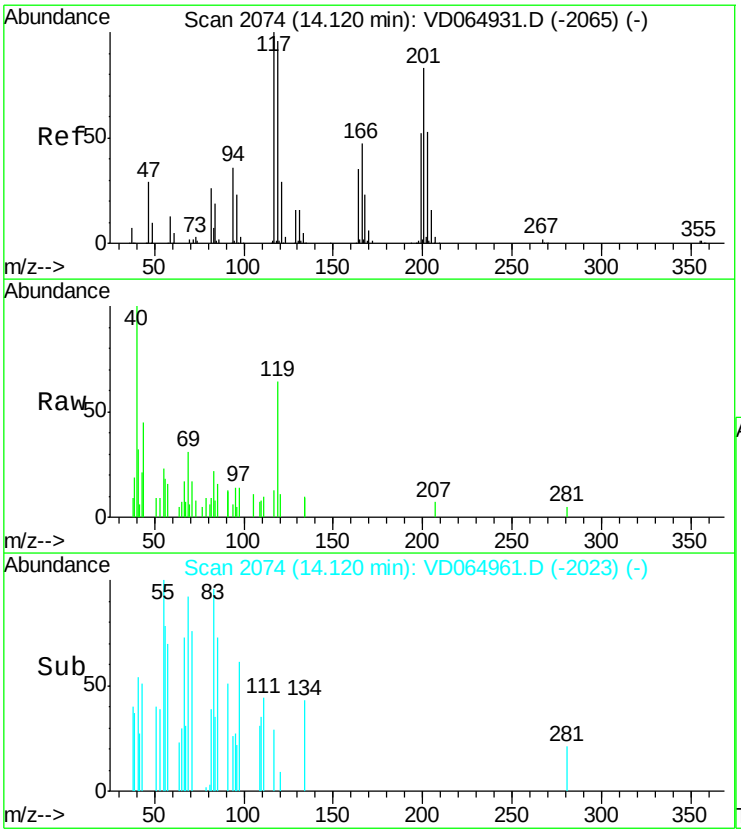
#88
1,4-Dichlorobenzene
Concen: 1.09 ug/l
RT: 13.61 min Scan# 1988
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:146 Resp: 1069

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.2	54.6#
148	99.6	32.0	96.0#

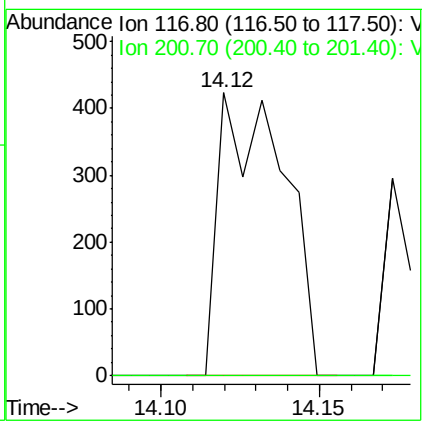


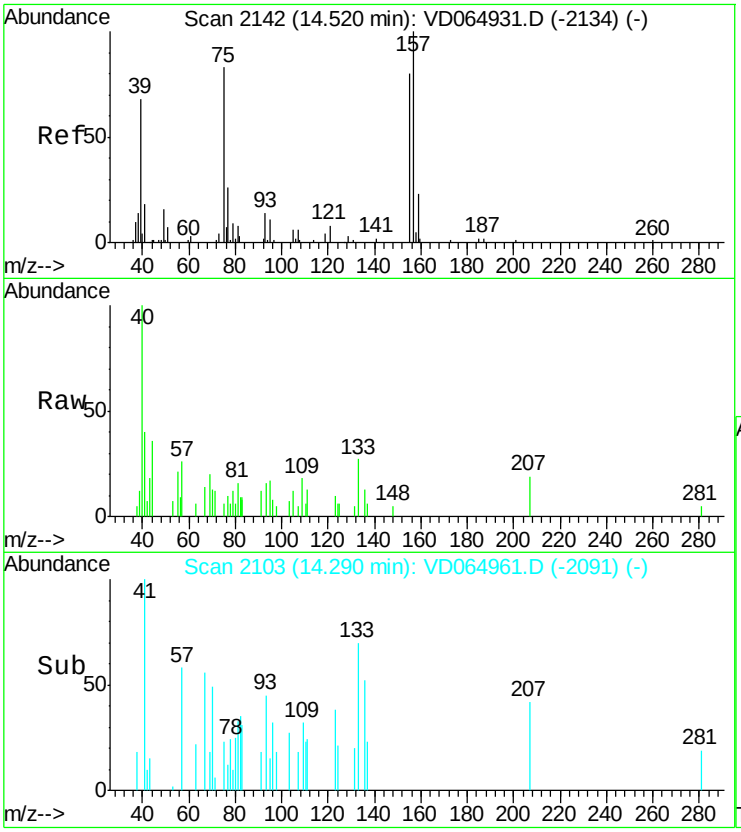


#90
Hexachloroethane
Concen: 1.62 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:117 Resp: 605

Ion	Ratio	Lower	Upper
117	100		
201	0.0	41.1	123.3#



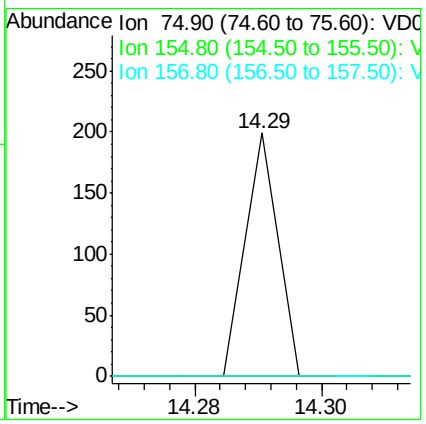


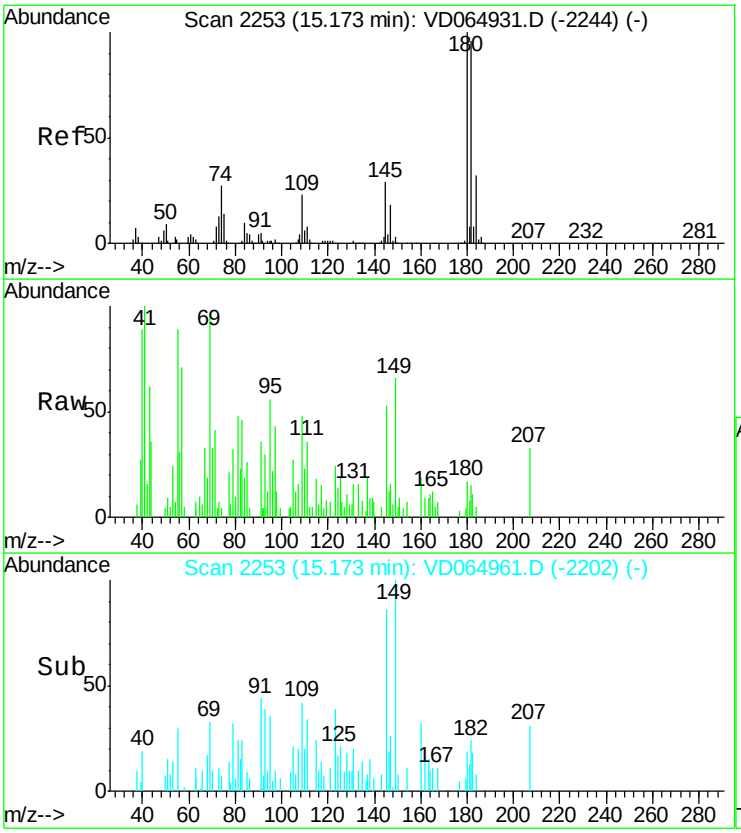
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.24 ug/l
RT: 14.29 min Scan# 2103
Delta R.T. -0.23 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion: 75 Resp: 70

Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.9	134.7#
157	0.0	58.9	176.6#

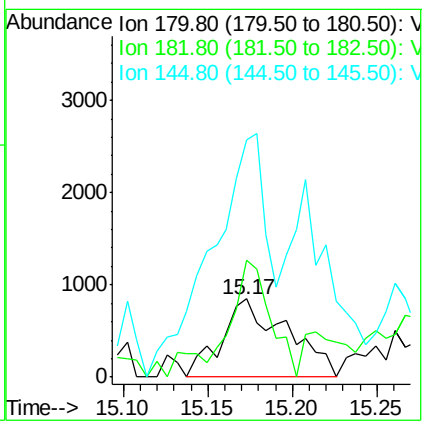


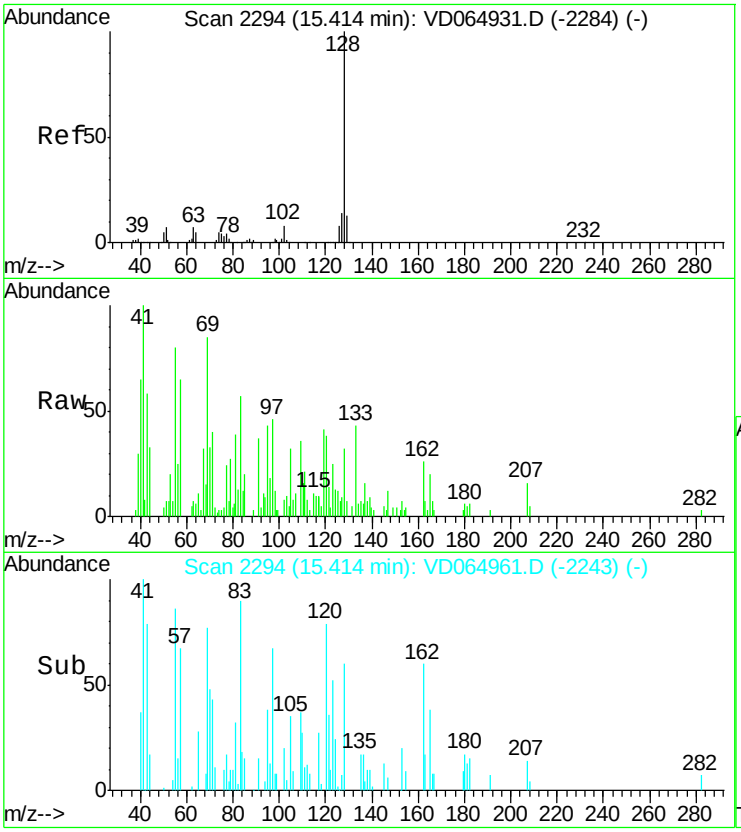


#93
1,2,4-Trichlorobenzene
Concen: 3.94 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:180 Resp: 2280

Ion	Ratio	Lower	Upper
180	100		
182	86.7	47.1	141.4
145	267.3	14.1	42.3#



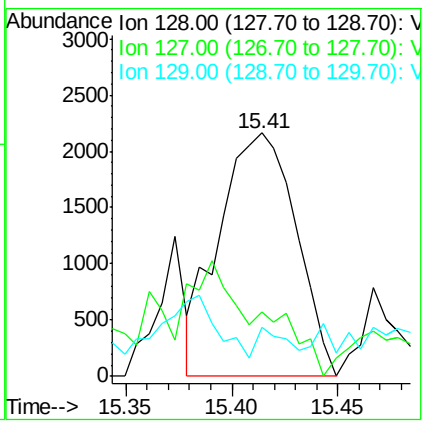


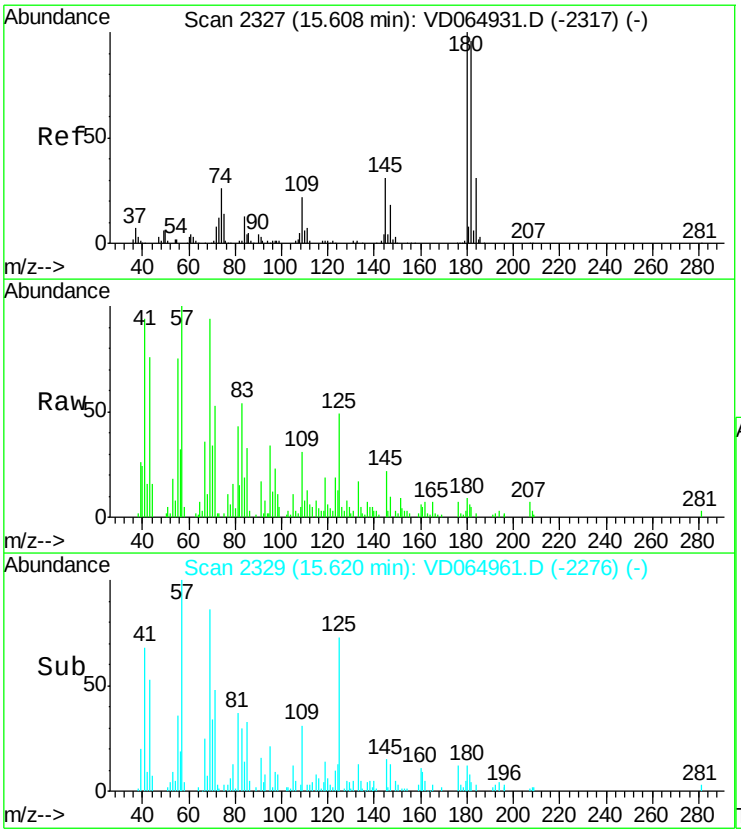
#95
Naphthalene
Concen: 5.85 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
PATERSON-USTRE

Tgt Ion:128 Resp: 5466

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	4.7	9.3	13.9#





#96
1,2,3-Trichlorobenzene
Concen: 2.01 ug/l
RT: 15.62 min Scan# 2329
Delta R.T. 0.01 min
Lab File: VD064961.D
Acq: 27 Jan 2020 14:01

Tgt Ion:180 Resp: 1007

Ion	Ratio	Lower	Upper
180	100		
182	108.5	47.3	141.8
145	0.0	14.6	43.8#