Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\

Quantitation Report (Not Reviewed)

Data File : VL034347.D
Acq On : 24 Oct 2019 15:37
Operator : SY/AP
Sample : K5477-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV5DL2

Quant Time: Oct 25 01:34:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	951382	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2059621	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1946552	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1544011	9.37	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.94	51	52876	0.474	ppbv #	58
15) Acetone	3.86	43	47972	0.353	ppbv	90
16) 1,3-Butadiene	3.29	39	15750	0.285	ppbv #	14
20) Methylene Chloride	4.34	84	24305	0.494	ppbv	91
22) trans-1,2-Dichloroethene	4.89	96	39498	0.887	ppbv #	90
23) Vinyl Acetate	5.07	43	11769	0.069	ppbv #	1
26) Hexane	5.70	57	23238	0.237	ppbv #	39
29) Chloroform	5.76	83	179925	1.162	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	3882480	39.068	ppbv #	80
34) 2-Butanone	5.28	43	34420	0.204	ppbv	93
36) Benzene	6.92	78	48815	0.247	ppbv #	91
38) Trichloroethene	7.87	130	3424379	43.183	ppbv	96
39) 1,2-Dichloropropane	7.20	63	546975	6.428	ppbv #	21
42) Bromodichloromethane	7.87	83	51352	0.285	ppbv #	88
44) 2,2,4-Trimethylpentane	7.91	57	56236	0.154	ppbv #	44
52) Tetrachloroethene	11.42	164	37525040	484.444	ppbv	92
53) Toluene	9.85	91	9847	0.045	ppbv #	1

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

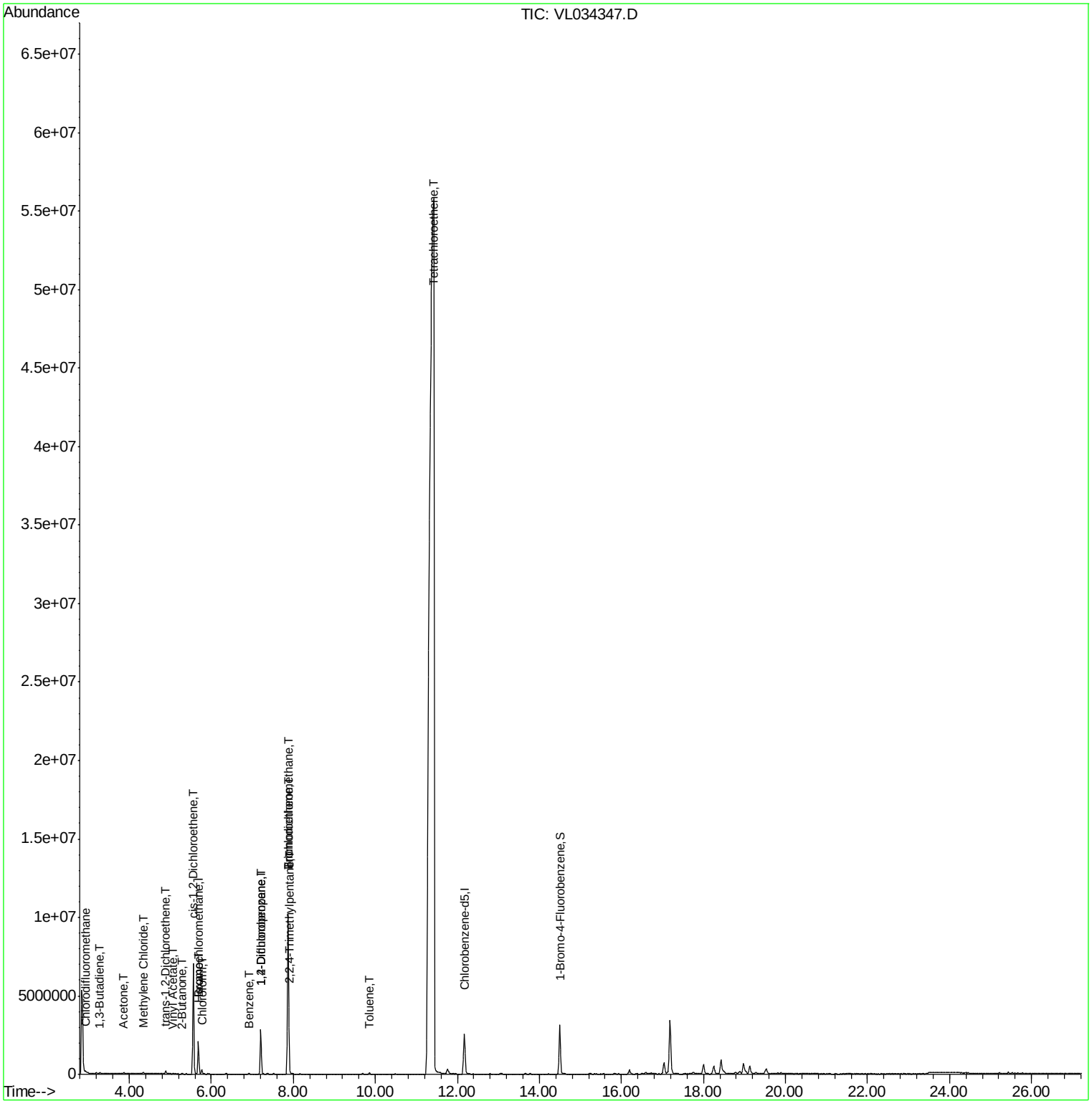
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\

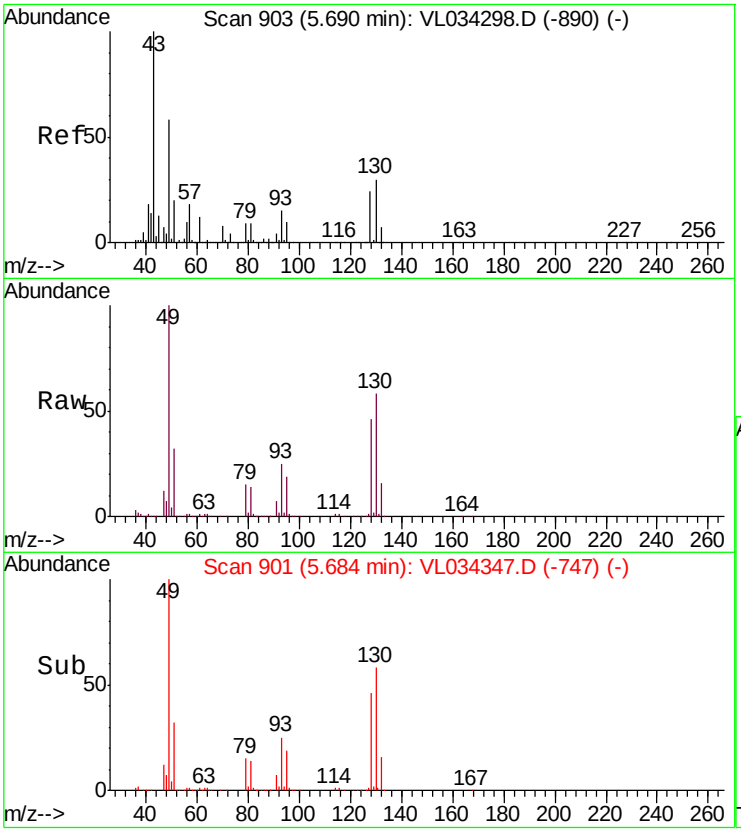
Quantitation Report (Not Reviewed)

Data File : VL034347.D
Acq On : 24 Oct 2019 15:37
Operator : SY/AP
Sample : K5477-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV5DL2

Quant Time: Oct 25 01:34:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



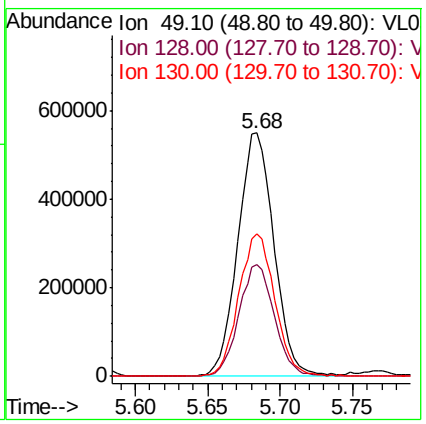


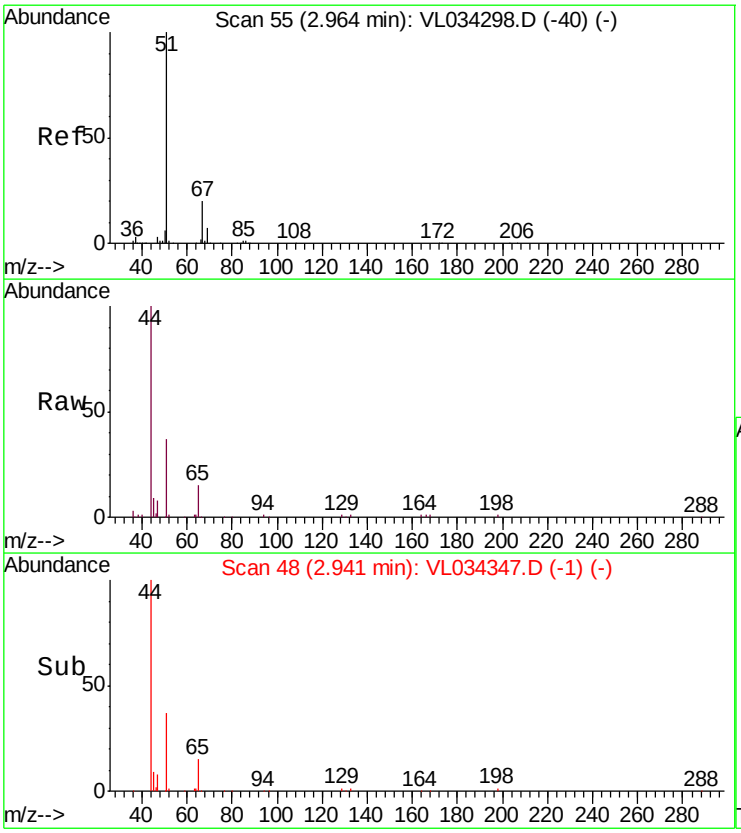
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 49 Resp: 951382

Ion	Ratio	Lower	Upper
49	100		
128	45.5	20.6	61.8
130	58.8	26.2	78.5

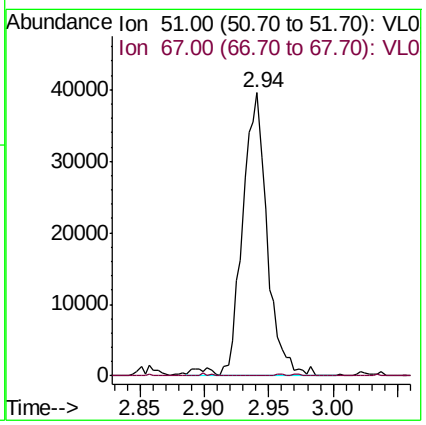


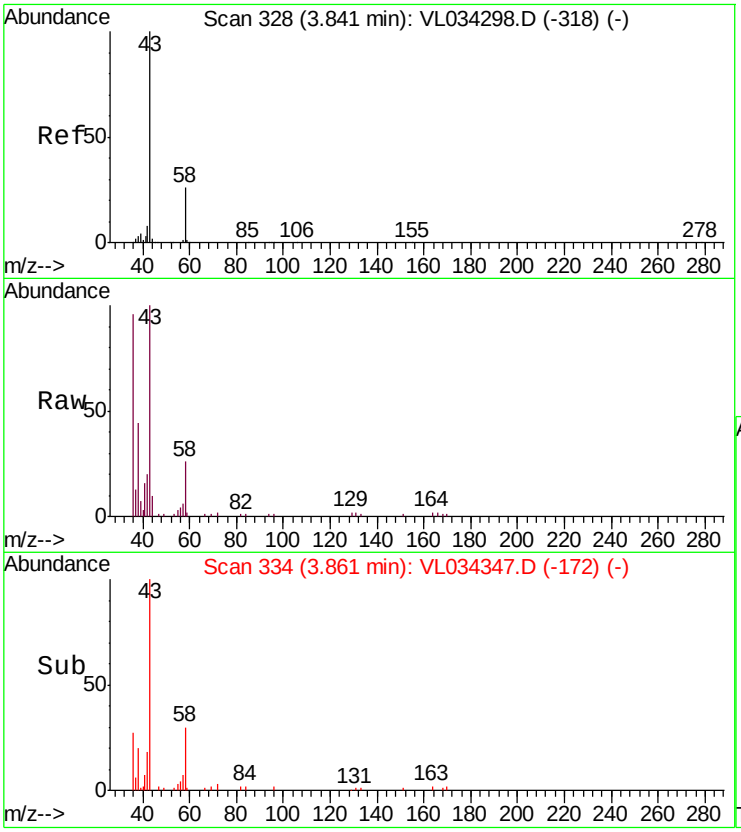


#3
Chlorodifluoromethane
Concen: 0.474 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 51 Resp: 52876

Ion	Ratio	Lower	Upper
51	100		
67	0.4	15.8	23.8#



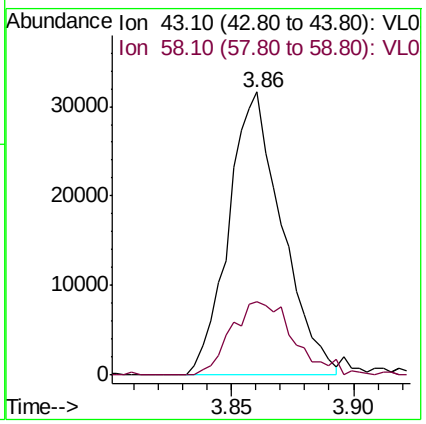


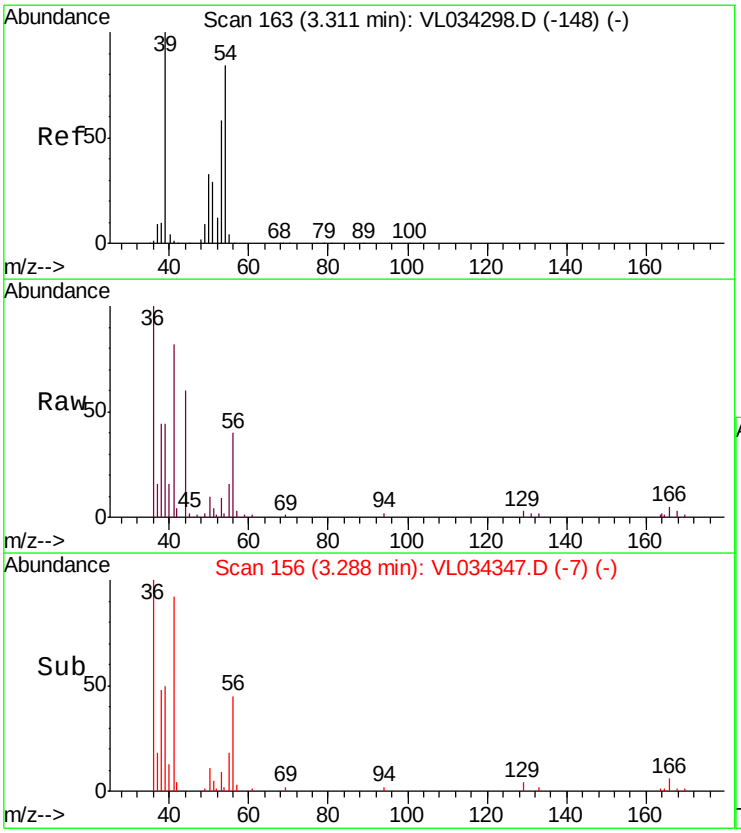
#15
Acetone
Concen: 0.353 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 43 Resp: 47972

Ion	Ratio	Lower	Upper
43	100		
58	30.5	20.4	30.6

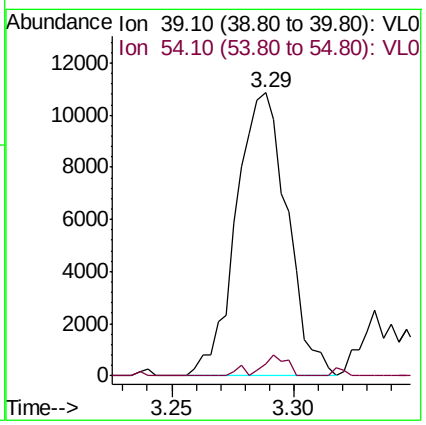


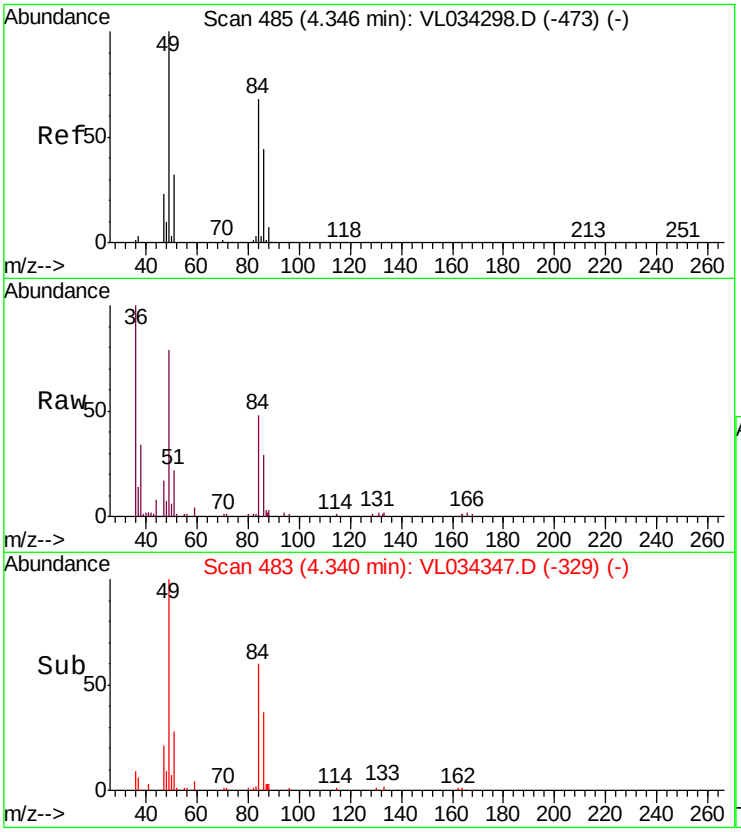


#16
1,3-Butadiene
Concen: 0.285 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.02 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 39 Resp: 15750

Ion	Ratio	Lower	Upper
39	100		
54	4.0	63.9	95.9#



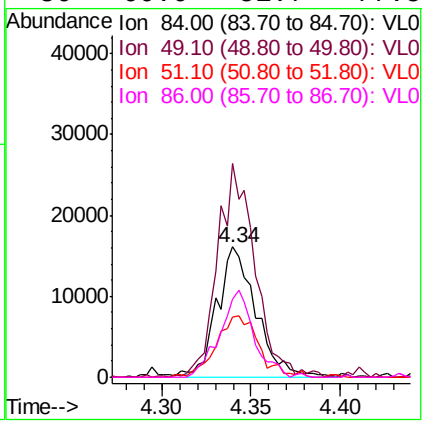


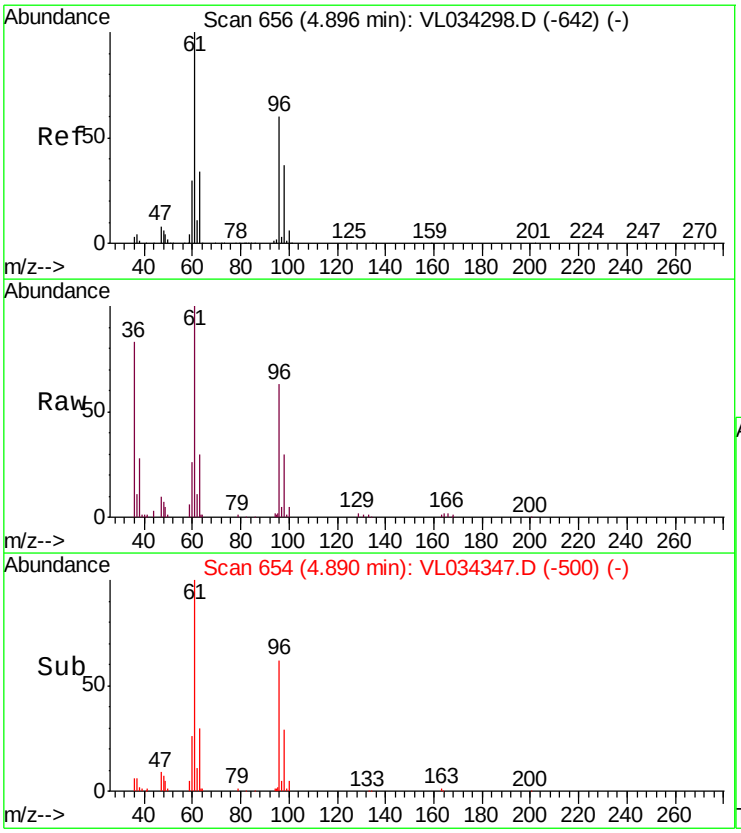
#20
Methylene Chloride
Concen: 0.494 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument : MSVOA_L
ClientSampleId : SV5DL2

Tgt Ion: 84 Resp: 24305

Ion	Ratio	Lower	Upper
84	100		
49	162.5	118.5	177.7
51	45.0	38.8	58.2
86	60.0	51.7	77.5

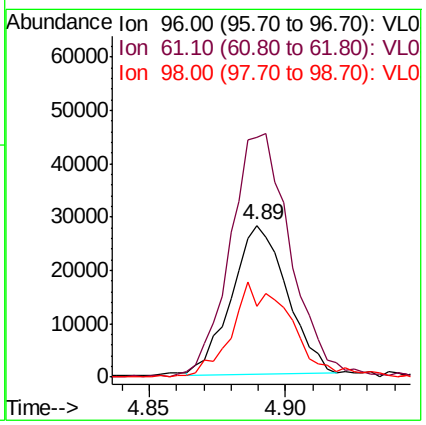


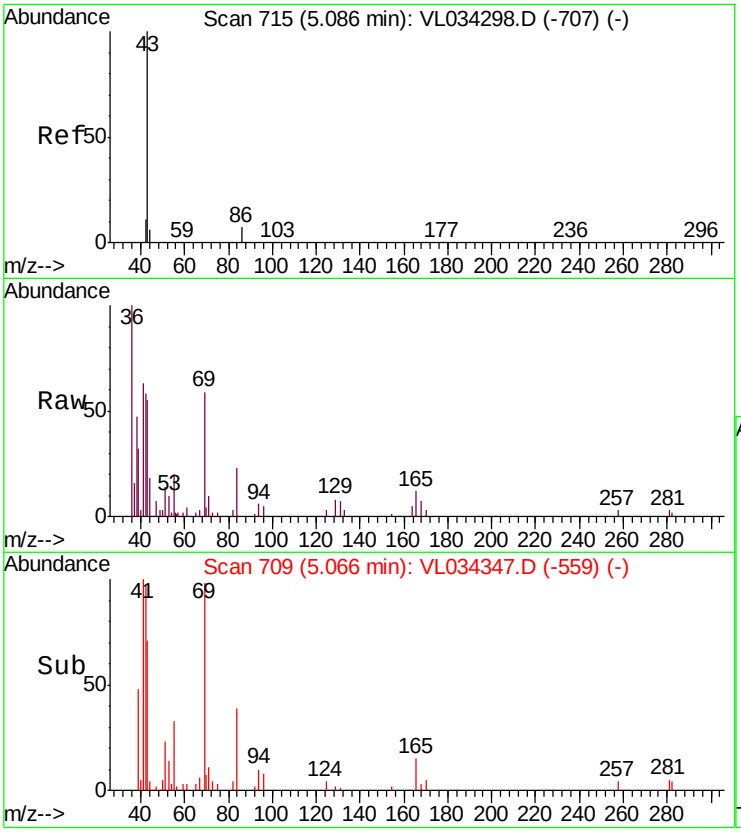


#22
trans-1,2-Dichloroethene
Concen: 0.887 ppbv
RT: 4.89 min Scan# 654
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 96 Resp: 39498

Ion	Ratio	Lower	Upper
96	100		
61	157.6	133.8	200.6
98	47.3	49.4	74.0#



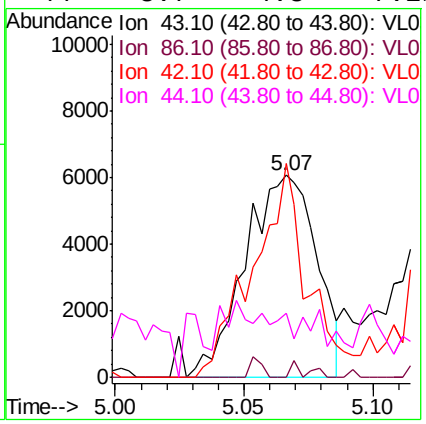


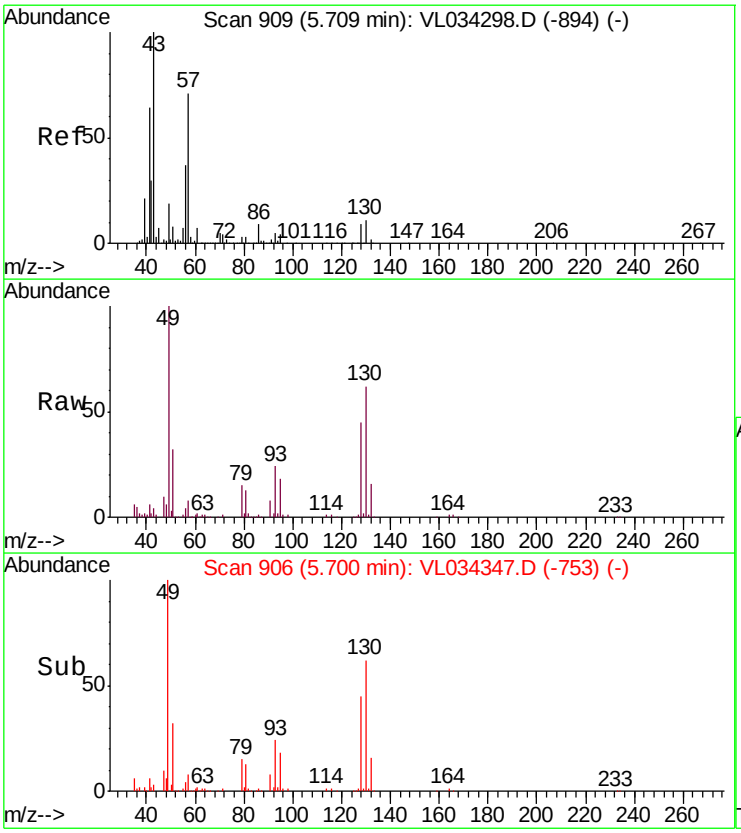
#23
Vinyl Acetate
Concen: 0.069 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.02 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument : MSVOA_L
ClientSampleId : SV5DL2

Tgt Ion: 43 Resp: 11769

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	105.8	8.6	13.0#
44	8.7	4.8	7.2#

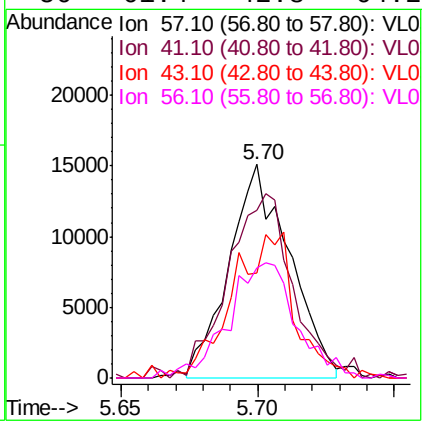


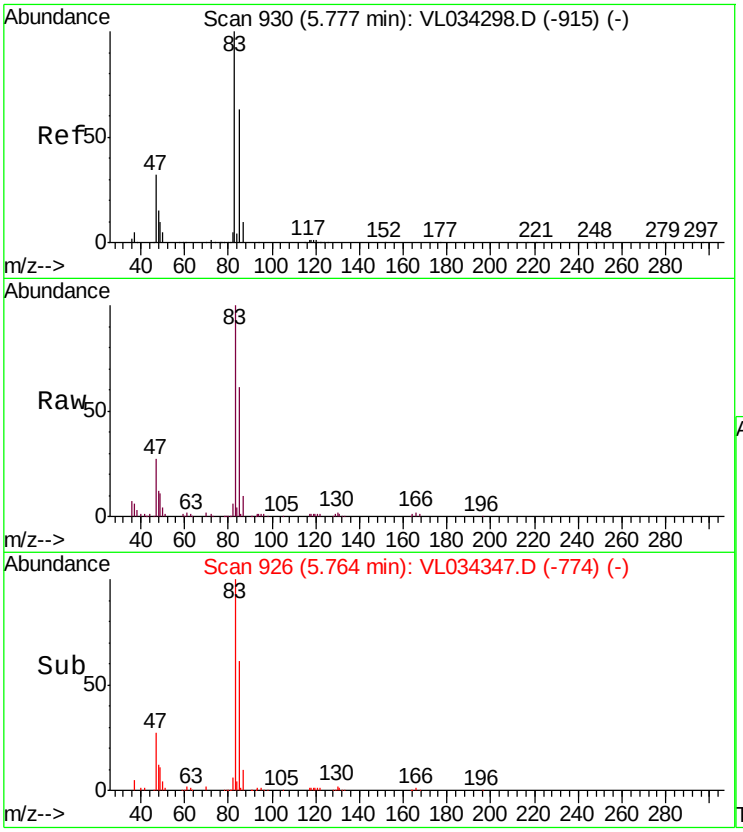


#26
Hexane
Concen: 0.237 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 57 Resp: 23238

Ion	Ratio	Lower	Upper
57	100		
41	94.9	76.5	114.7
43	72.2	188.5	282.7#
56	61.4	42.8	64.2



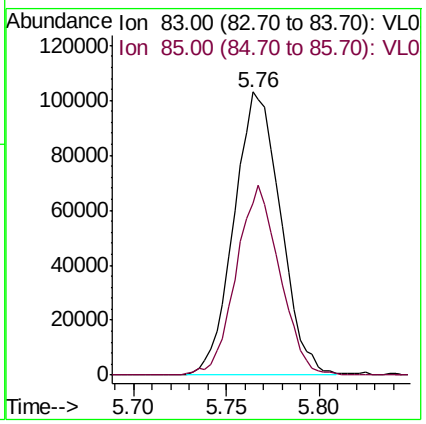


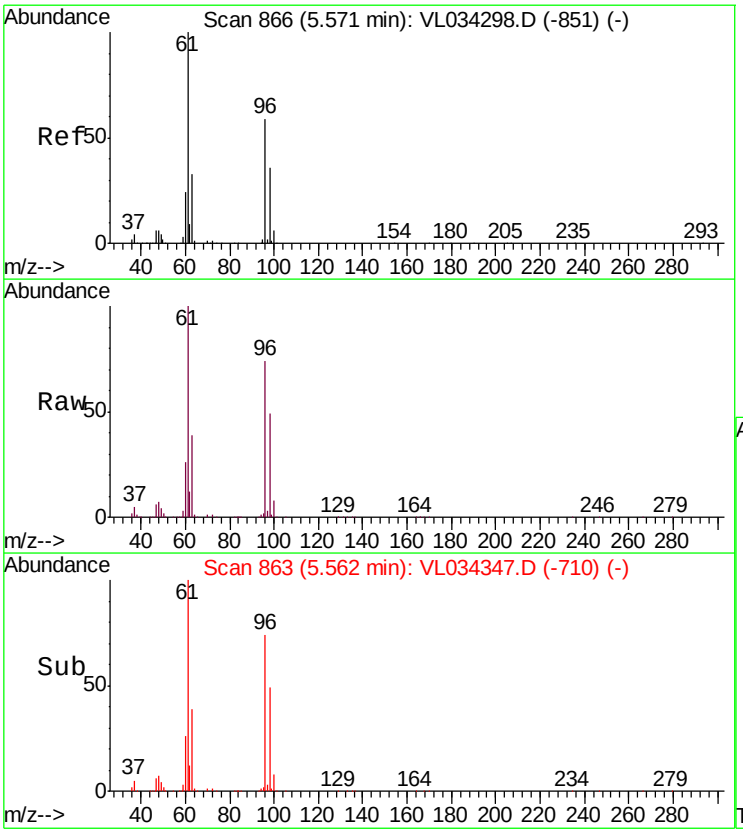
#29
Chloroform
Concen: 1.162 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 83 Resp: 179925

Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.5	75.7

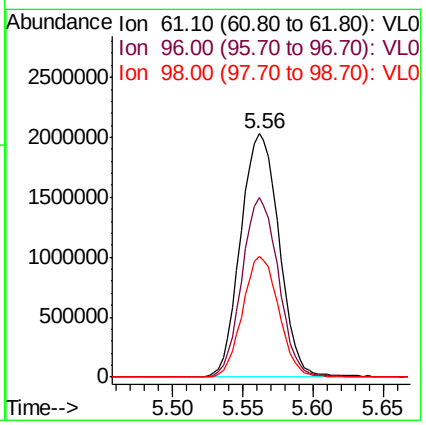


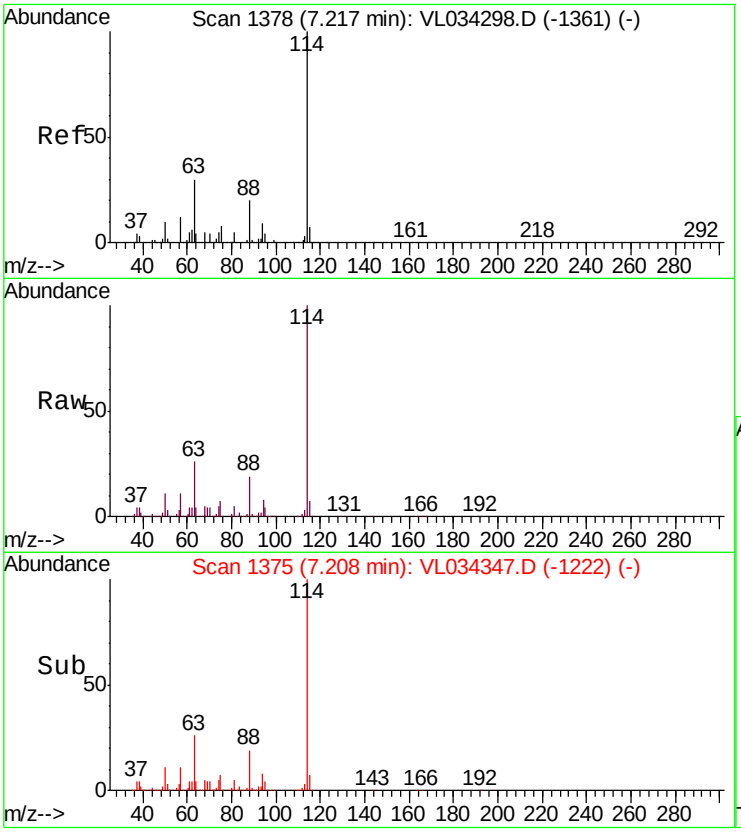


#31
cis-1,2-Dichloroethene
Concen: 39.068 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 61 Resp: 3882480

Ion	Ratio	Lower	Upper
61	100		
96	73.7	47.5	71.3#
98	49.4	28.8	43.2#



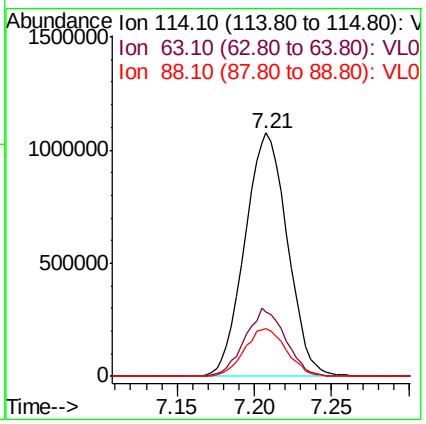


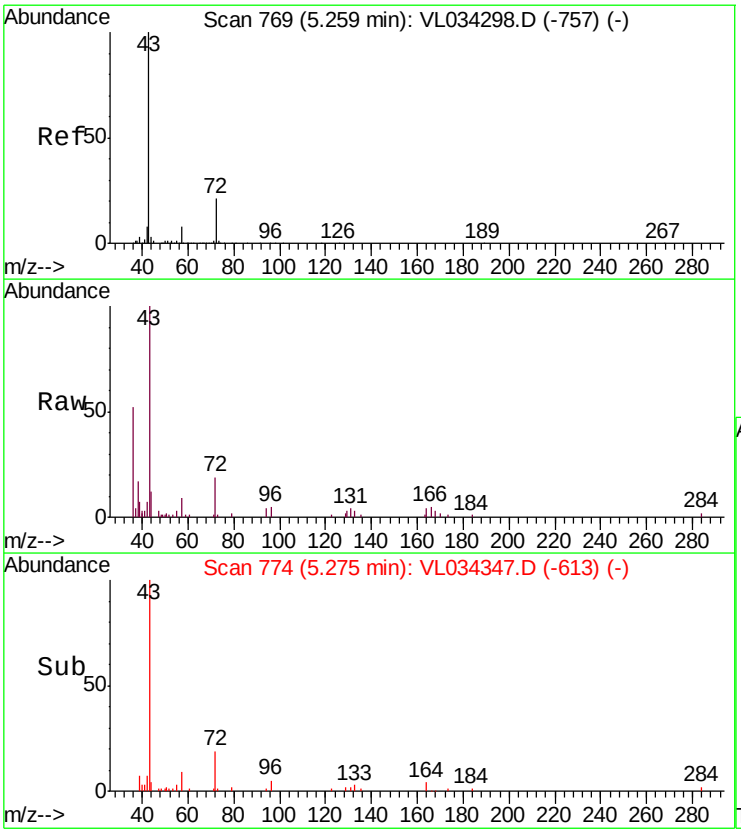
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion:114 Resp: 2059621

Ion	Ratio	Lower	Upper
114	100		
63	26.7	25.2	37.8
88	19.3	16.0	24.0

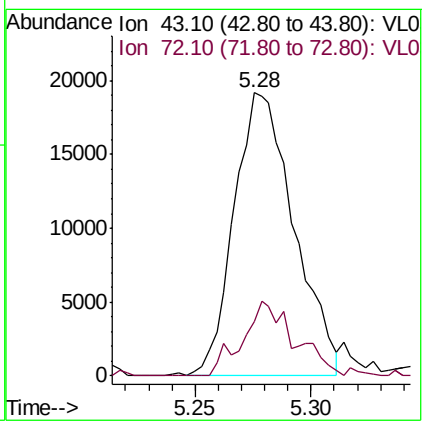


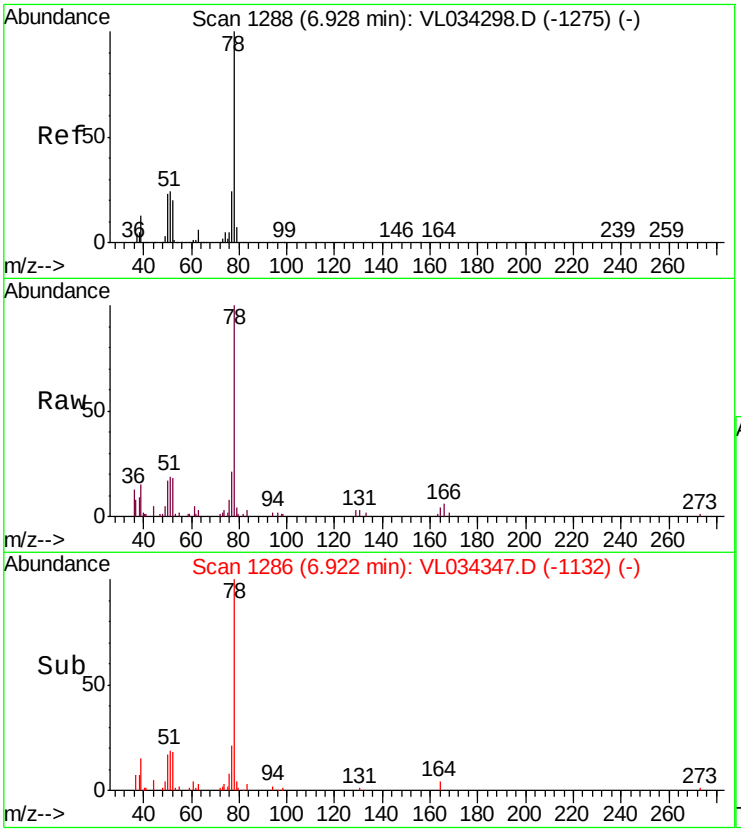


#34
2-Butanone
Concen: 0.204 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.02 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 43 Resp: 34420

Ion	Ratio	Lower	Upper
43	100		
72	23.8	16.3	24.5



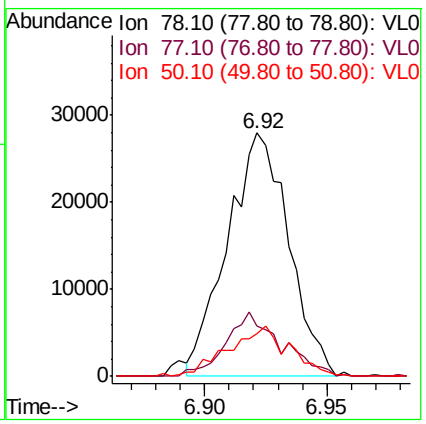


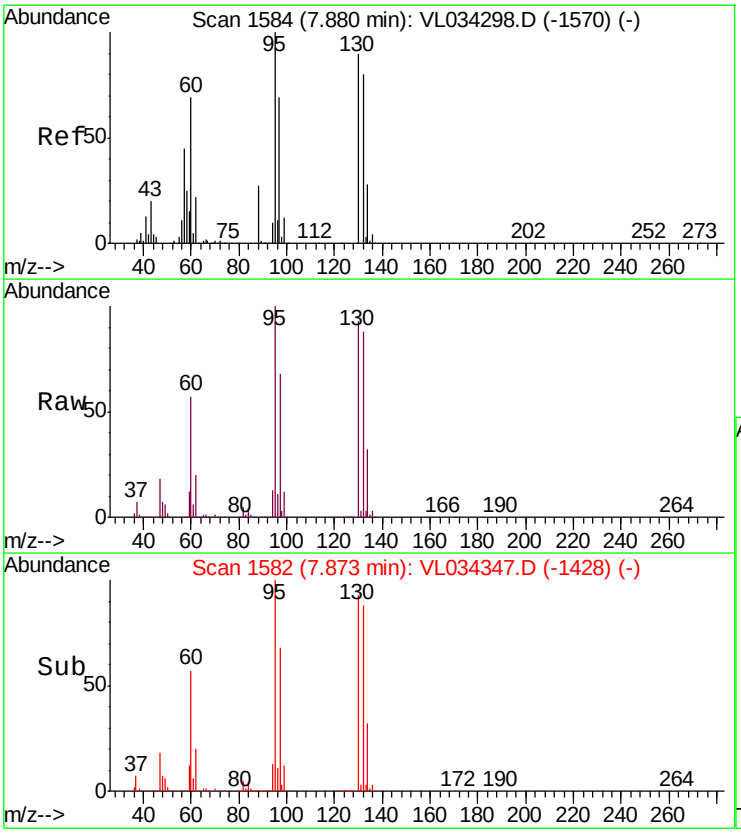
#36
Benzene
Concen: 0.247 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 78 Resp: 48815

Ion	Ratio	Lower	Upper
78	100		
77	20.8	19.0	28.4
50	16.9	18.6	27.8#

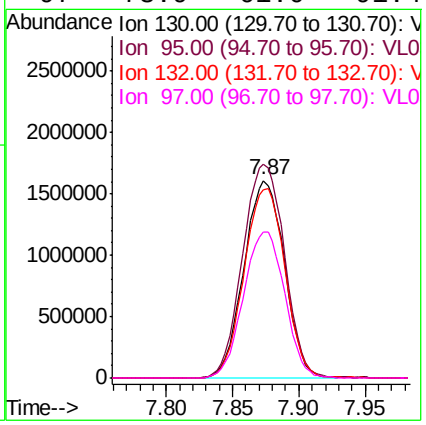


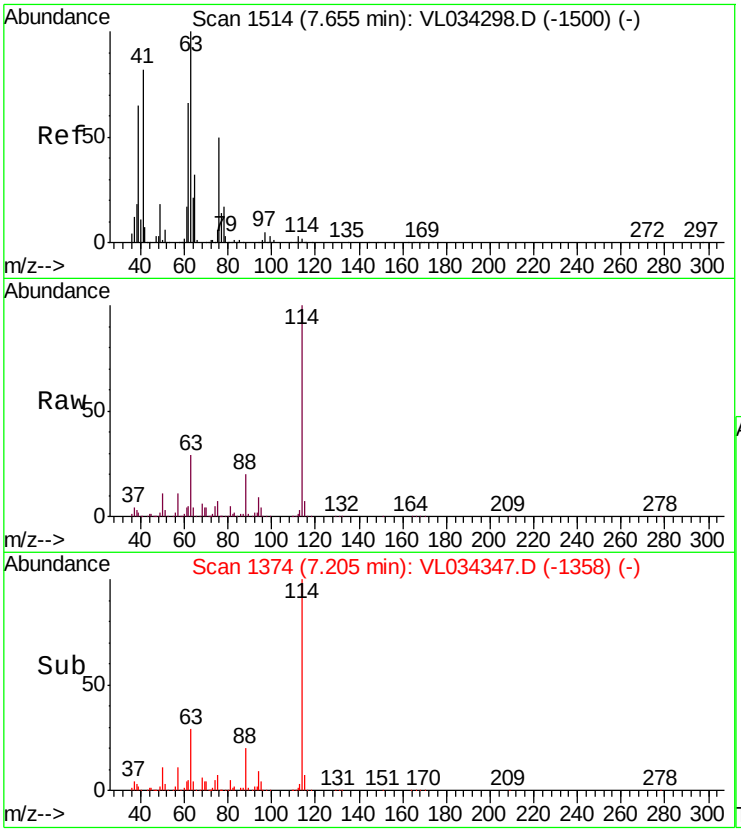


#38
Trichloroethene
Concen: 43.183 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion:130 Resp: 3424379

Ion	Ratio	Lower	Upper
130	100		
95	108.1	88.6	132.8
132	95.1	71.2	106.8
97	73.9	61.0	91.4



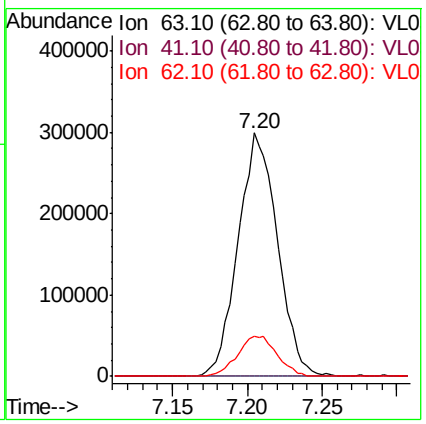


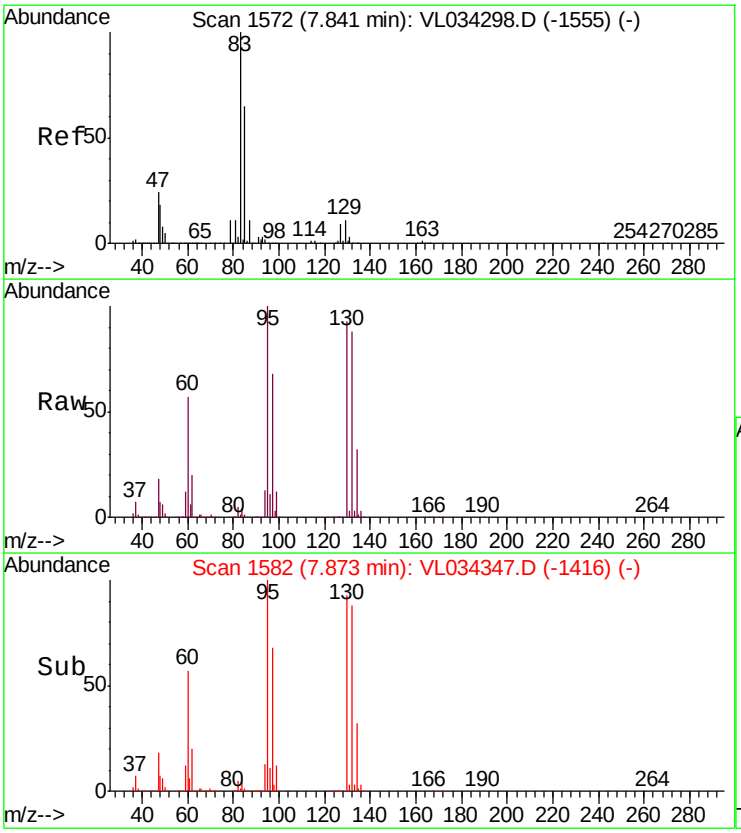
#39
1,2-Dichloropropane
Concen: 6.428 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. -0.45 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument : MSVOA_L
ClientSampleId : SV5DL2

Tgt Ion: 63 Resp: 546975

Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.6	98.4#
62	16.4	53.0	79.6#

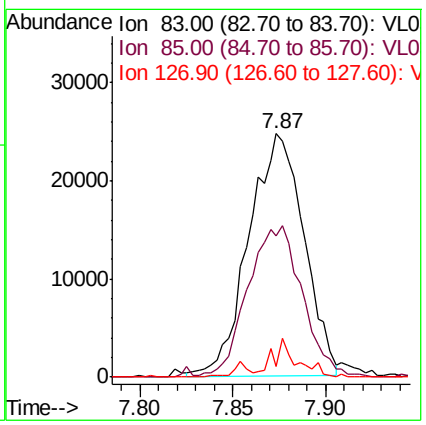


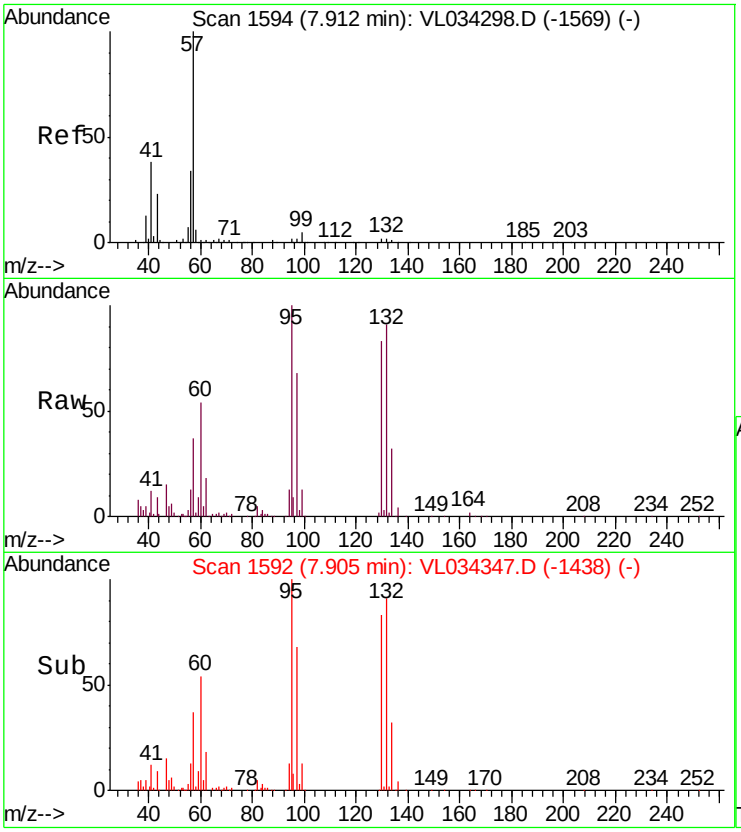


#42
Bromodichloromethane
Concen: 0.285 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion: 83 Resp: 51352

Ion	Ratio	Lower	Upper
83	100		
85	55.5	51.8	77.6
127	4.4	7.0	10.6#



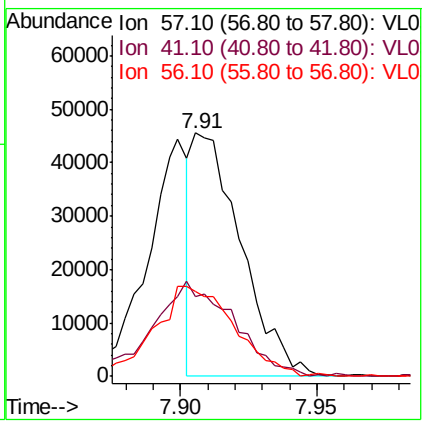


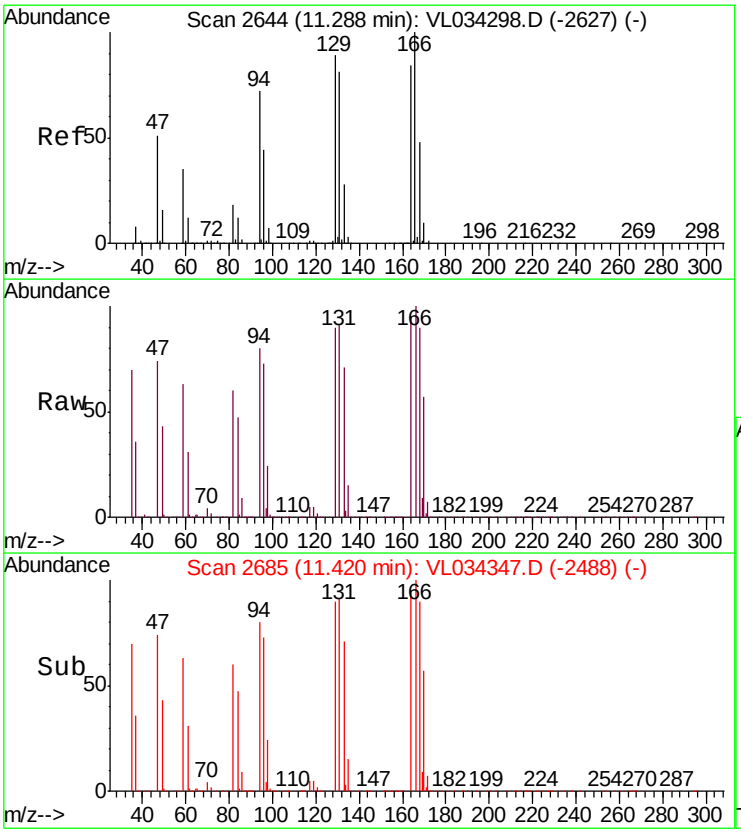
#44
2,2,4-Trimethylpentane
Concen: 0.154 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 57 Resp: 56236

Ion	Ratio	Lower	Upper
57	100		
41	69.4	29.3	43.9#
56	63.3	25.3	37.9#

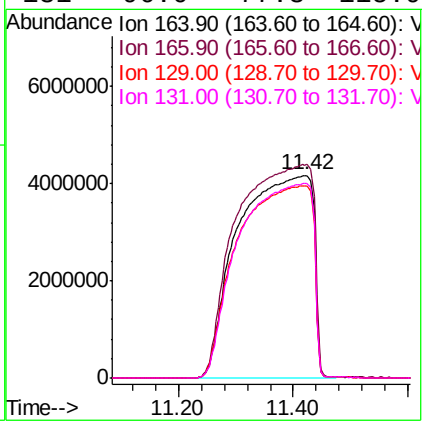


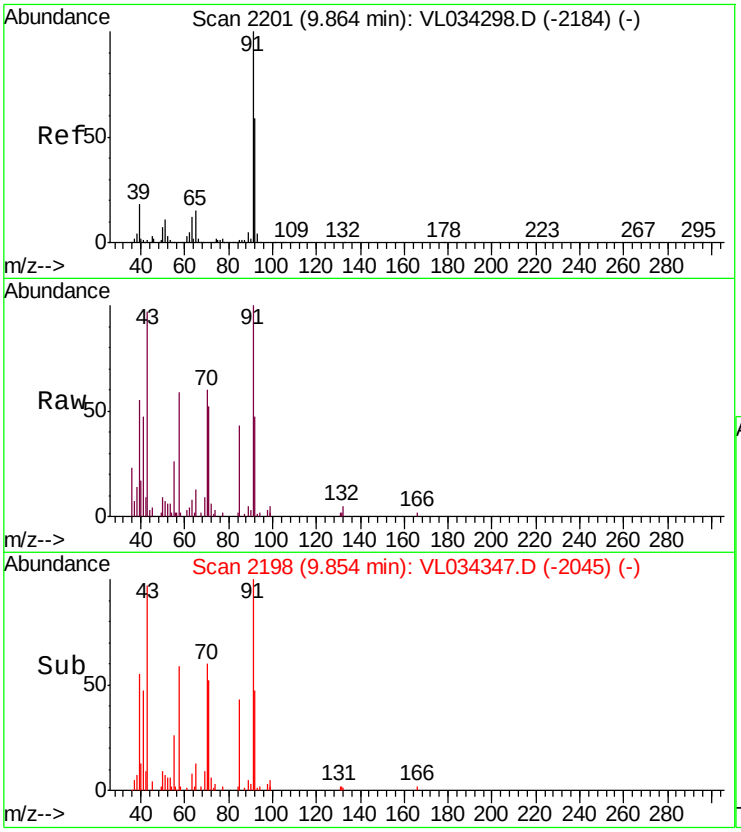


#52
Tetrachloroethene
Concen: 484.444 ppbv
RT: 11.42 min Scan# 2685
Delta R.T. 0.13 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion:164 Resp:37525040

Ion	Ratio	Lower	Upper
164	100		
166	105.2	95.3	142.9
129	94.7	84.5	126.7
131	96.0	77.3	115.9



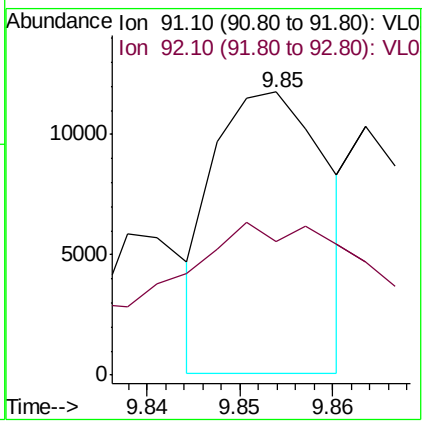


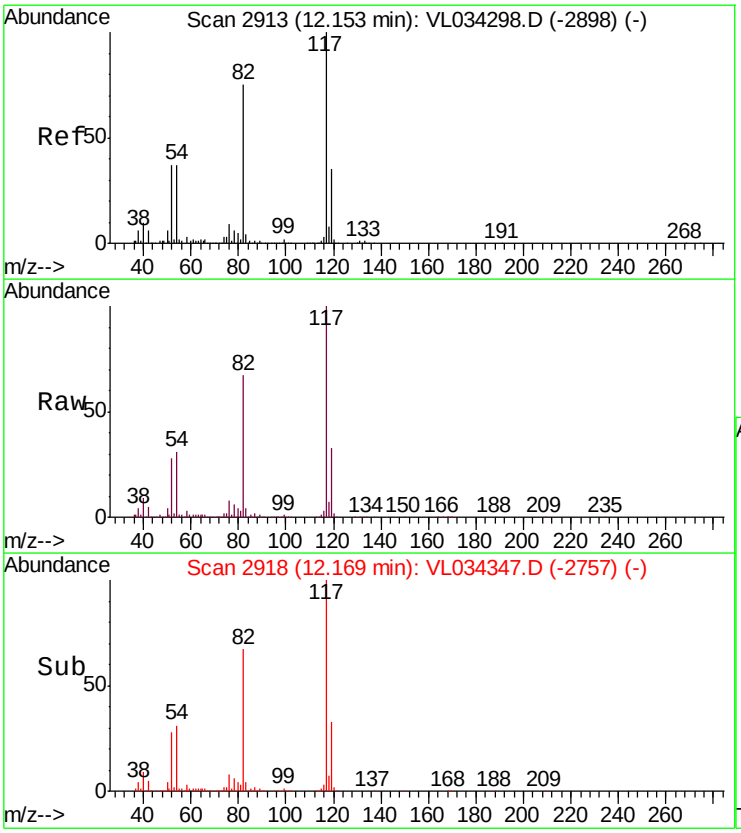
#53
Toluene
Concen: 0.045 ppbv
RT: 9.85 min Scan# 2198
Delta R.T. -0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument : MSVOA_L
ClientSampleId : SV5DL2

Tgt Ion: 91 Resp: 9847

Ion	Ratio	Lower	Upper
91	100		
92	137.5	48.4	72.6#

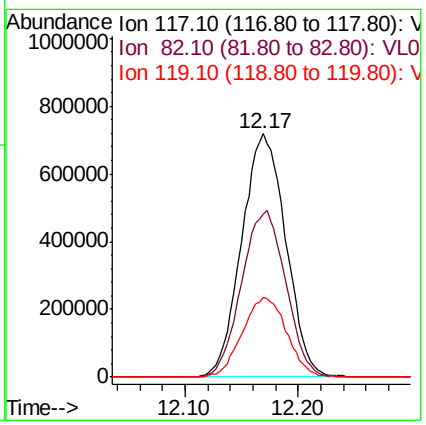


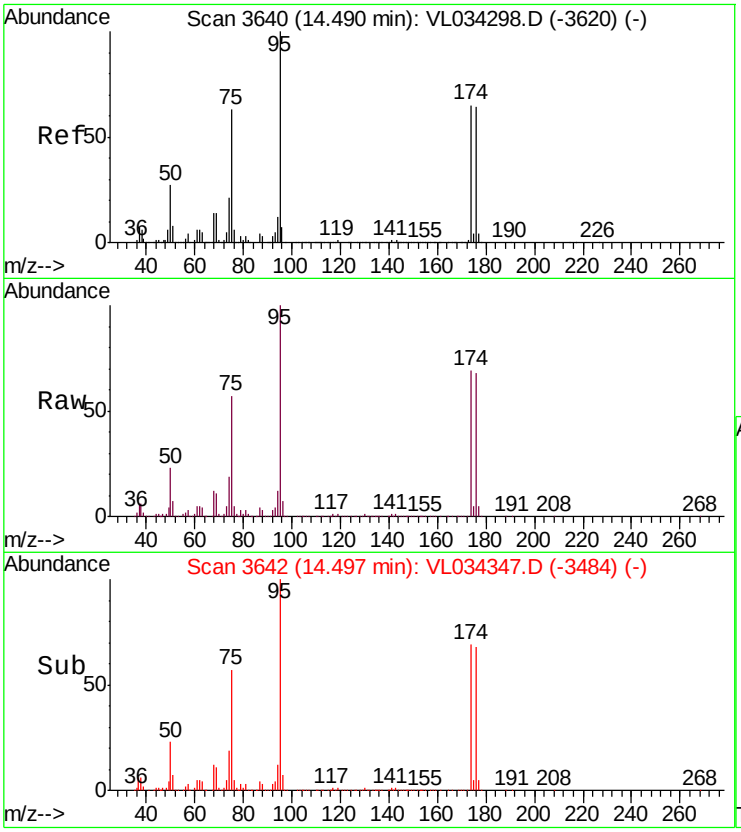


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Tgt Ion:117 Resp: 1946552

Ion	Ratio	Lower	Upper
117	100		
82	68.5	55.5	83.3
119	33.1	26.5	39.7





#68
1-Bromo-4-Fluorobenzene
Concen: 9.366 ppbv
RT: 14.50 min Scan# 3642
Delta R.T. 0.01 min
Lab File: VL034347.D
Acq: 24 Oct 2019 15:37

Instrument :
MSVOA_L
ClientSampleId :
SV5DL2

Tgt Ion: 95 Resp: 1544011

Ion	Ratio	Lower	Upper
95	100		
174	71.2	52.6	78.8
175	5.3	3.8	5.6