Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034540.D
Acq On : 31 Dec 2019 9:41
Operator : SY/AP
Sample : K6470-06 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Quant Time: Dec 31 11:18:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1004112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2006552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1931259	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1611243	10.00	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	7965	0.050	ppbv #	76
3) Chlorodifluoromethane	2.96	51	62852	0.525	ppbv	94
4) Chloromethane	3.11	50	1489	0.021	ppbv #	79
9) Propene	3.18	41	60457	1.311	ppbv	95
13) Ethanol	3.58	45	89006	6.955	ppbv	92
15) Acetone	3.84	43	198572	1.355	ppbv	97
16) 1,3-Butadiene	3.28	39	6529	0.116	ppbv #	12
19) Isopropyl Alcohol	3.96	45	35713	0.376	ppbv #	95
20) Methylene Chloride	4.33	84	17331	0.301	ppbv #	84
23) Vinyl Acetate	5.07	43	7682	0.045	ppbv #	89
34) 2-Butanone	5.25	43	49865	0.348	ppbv	97
36) Benzene	6.91	78	3502	0.020	ppbv #	76
39) 1,2-Dichloropropane	7.20	63	583742	8.116	ppbv #	22
53) Toluene	9.84	91	35461	0.185	ppbv	99

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

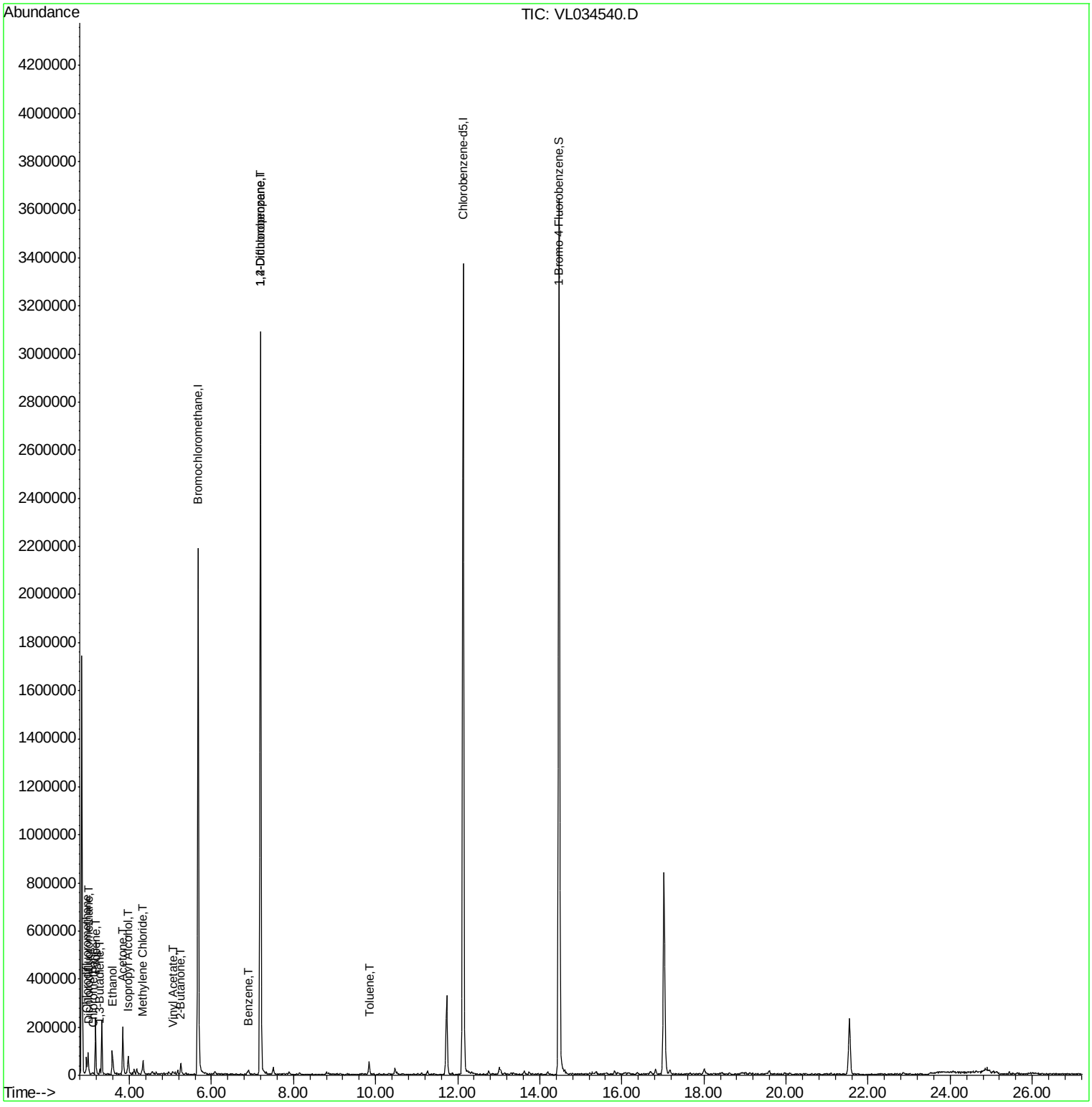
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

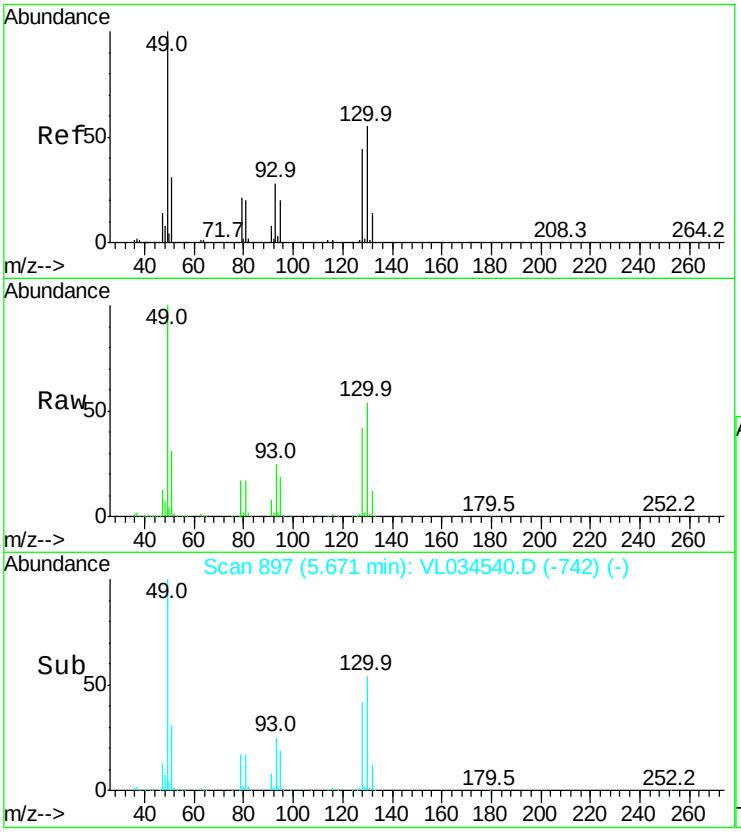
Quantitation Report (Not Reviewed)

Data File : VL034540.D
Acq On : 31 Dec 2019 9:41
Operator : SY/AP
Sample : K6470-06 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Quant Time: Dec 31 11:18:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration



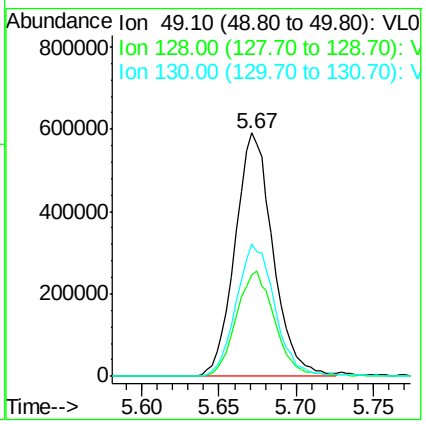


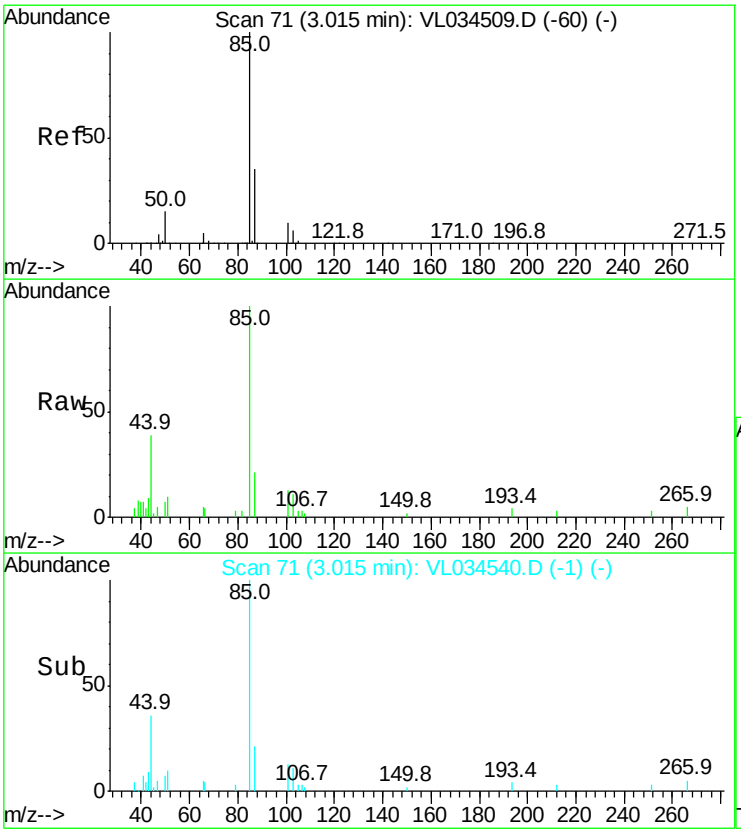
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument :
MSVOA_L
ClientSampleId :
44-2DL

Tgt Ion: 49 Resp: 1004112

Ion	Ratio	Lower	Upper
49	100		
128	44.2	22.4	67.2
130	56.5	28.3	85.0

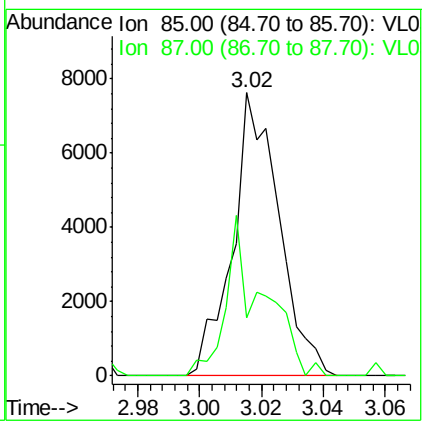


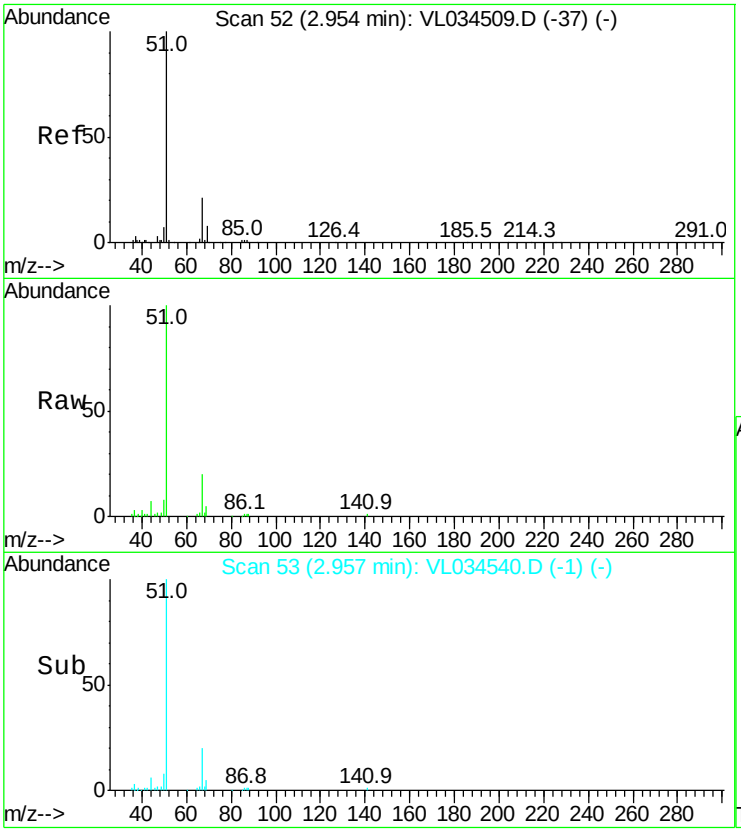


#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 85 Resp: 7965

Ion	Ratio	Lower	Upper
85	100		
87	20.7	27.9	41.9#



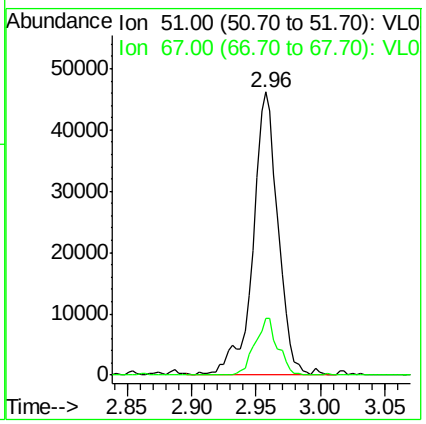


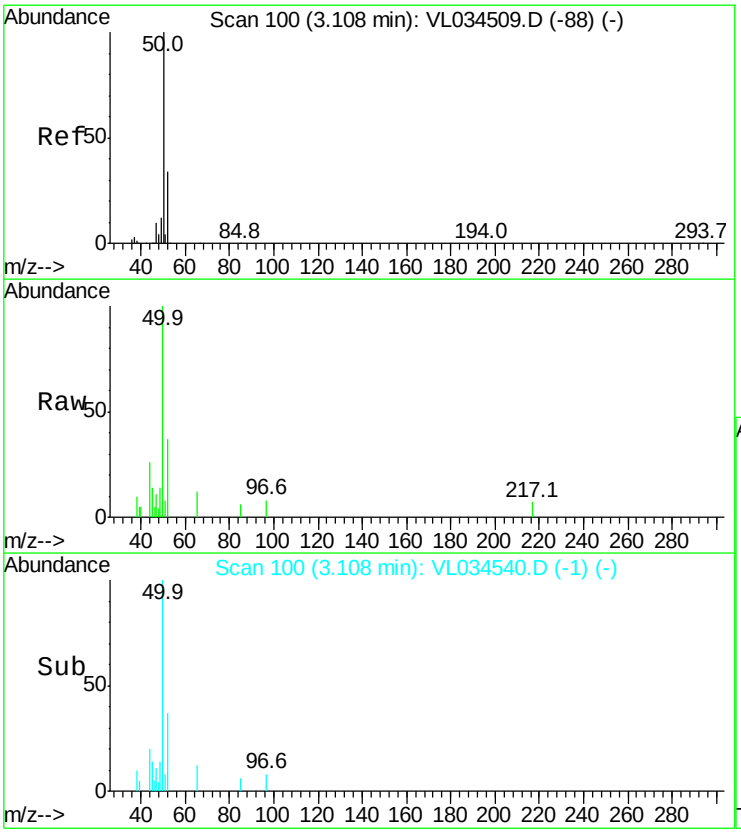
#3
Chlorodifluoromethane
Concen: 0.525 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Tgt Ion: 51 Resp: 62852

Ion	Ratio	Lower	Upper
51	100		
67	18.2	16.8	25.2

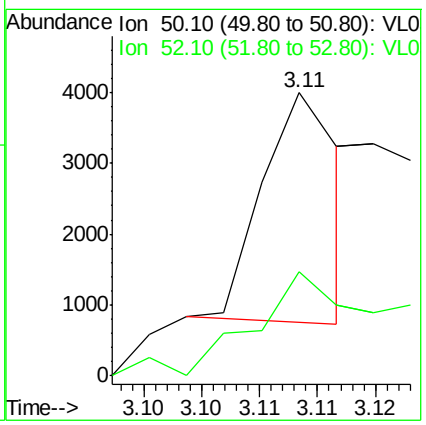


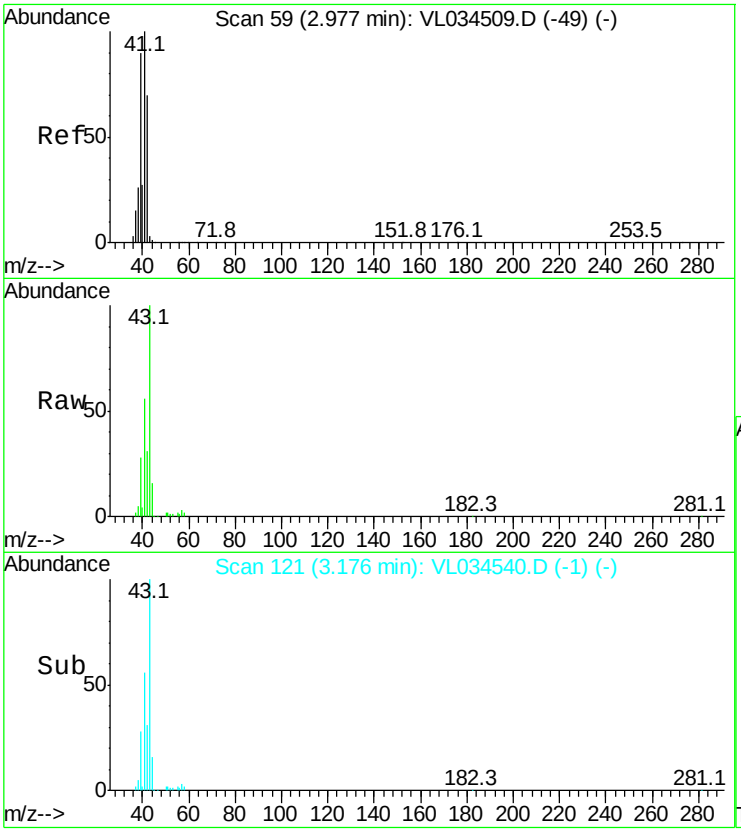


#4
Chloromethane
Concen: 0.021 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 50 Resp: 1489

Ion	Ratio	Lower	Upper
50	100		
52	46.8	27.6	41.4#



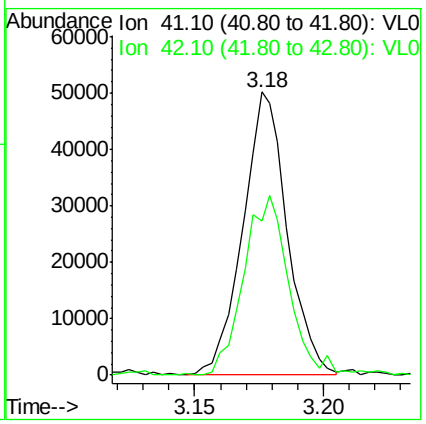


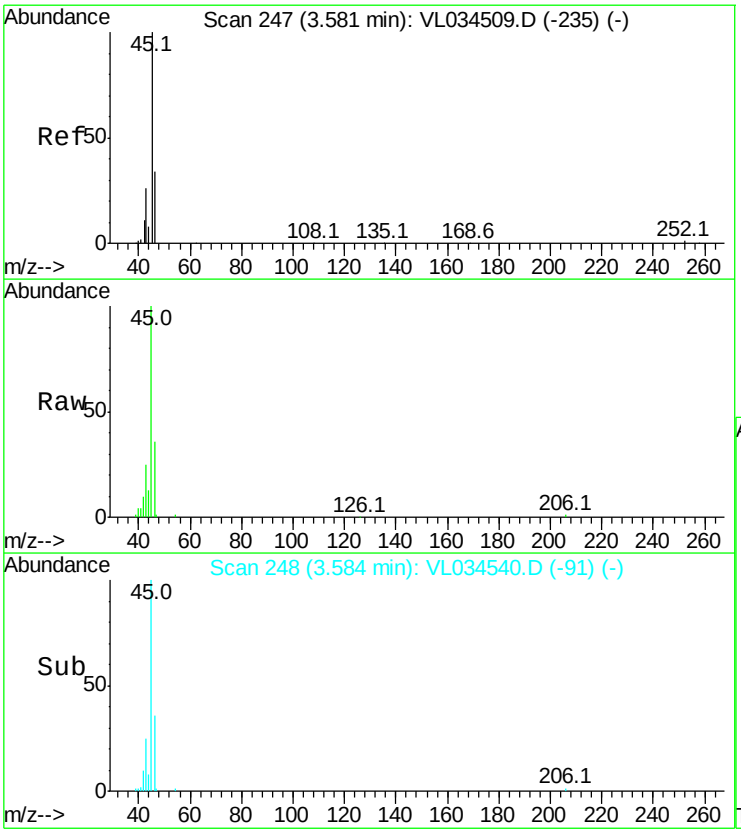
#9
Propene
Concen: 1.311 ppbv
RT: 3.18 min Scan# 121
Delta R.T. 0.20 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument :
MSVOA_L
ClientSampleId :
44-2DL

Tgt Ion: 41 Resp: 60457

Ion	Ratio	Lower	Upper
41	100		
42	65.5	55.8	83.6

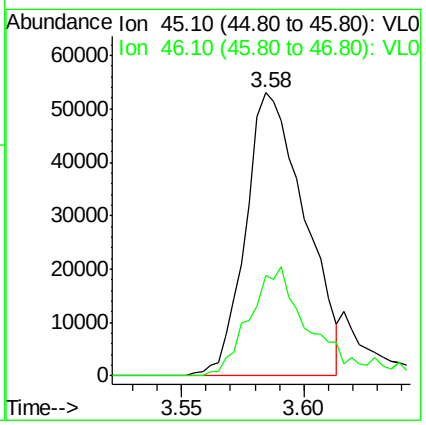


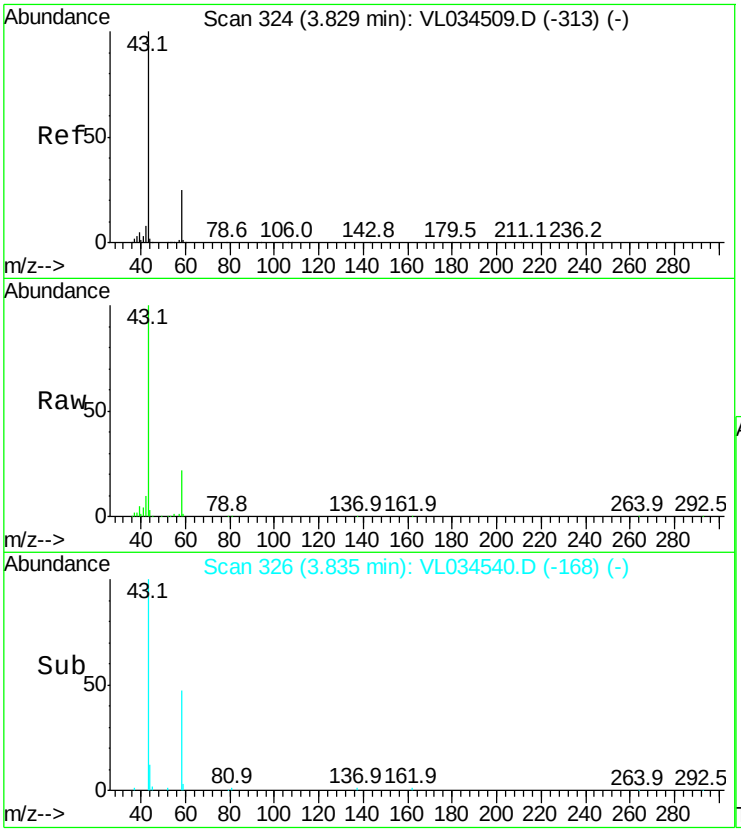


#13
Ethanol
Concen: 6.955 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 45 Resp: 89006

Ion	Ratio	Lower	Upper
45	100		
46	42.2	14.9	59.7



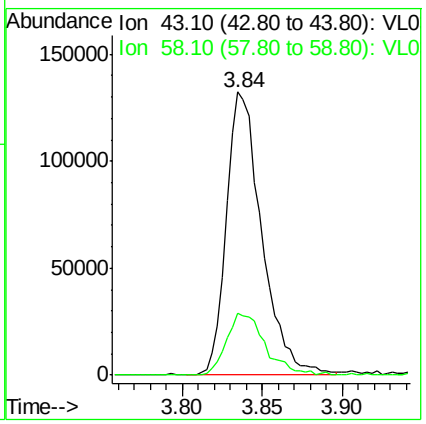


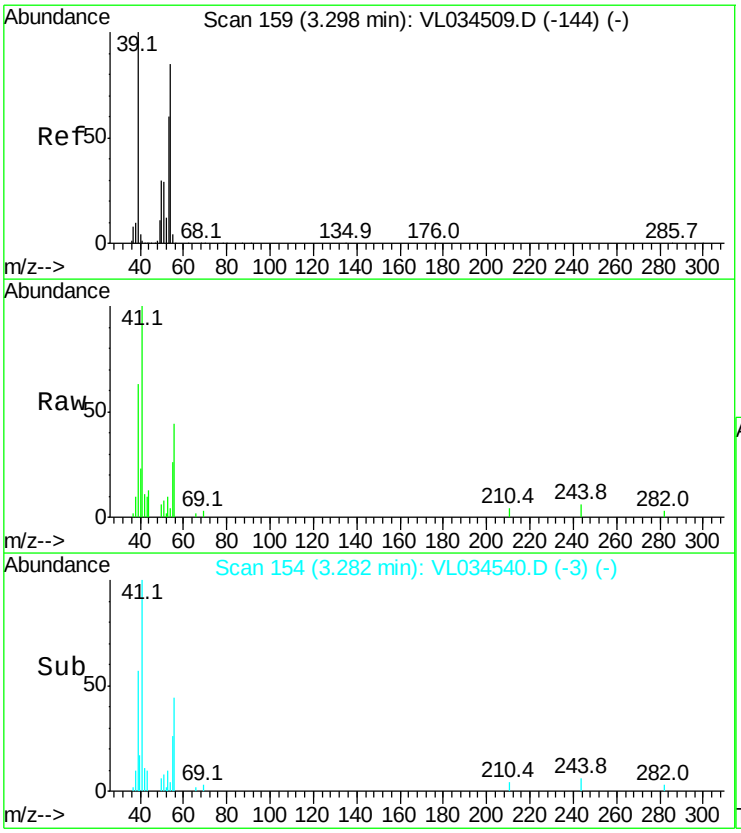
#15
Acetone
Concen: 1.355 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Tgt Ion: 43 Resp: 198572

Ion	Ratio	Lower	Upper
43	100		
58	24.0	20.4	30.6

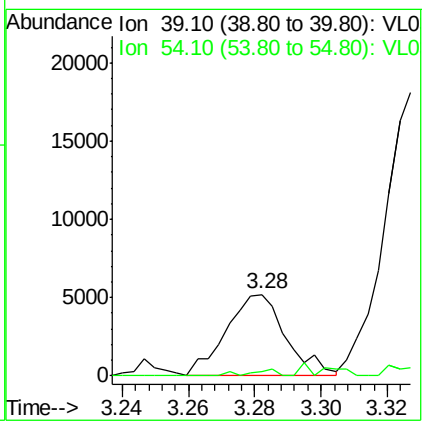


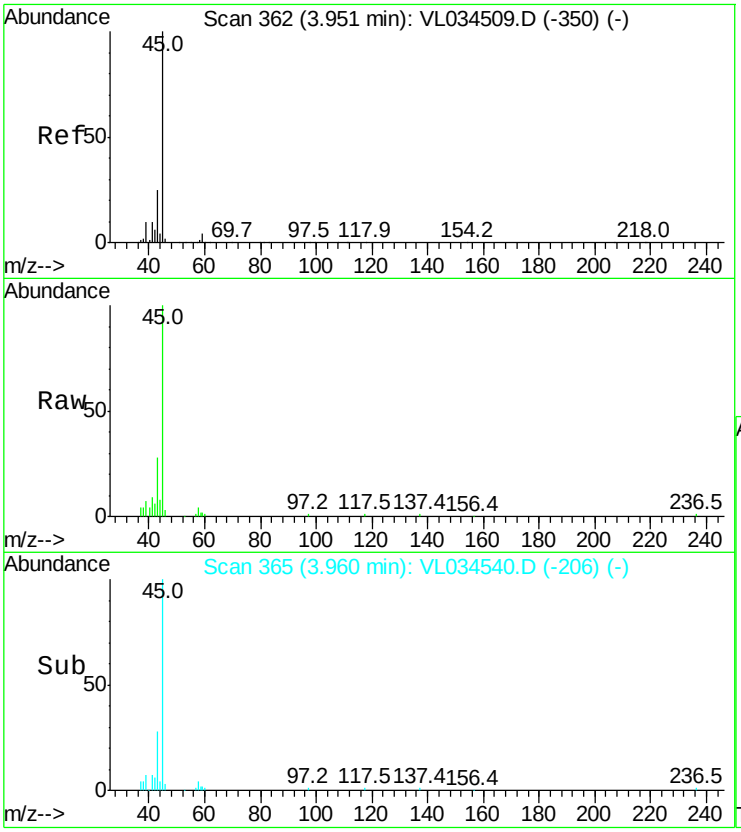


#16
1,3-Butadiene
Concen: 0.116 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.02 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 39 Resp: 6529

Ion	Ratio	Lower	Upper
39	100		
54	3.6	66.2	99.2#



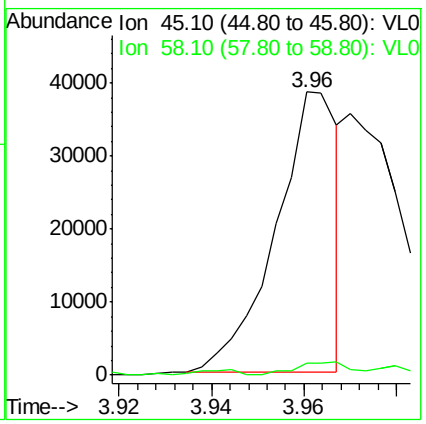


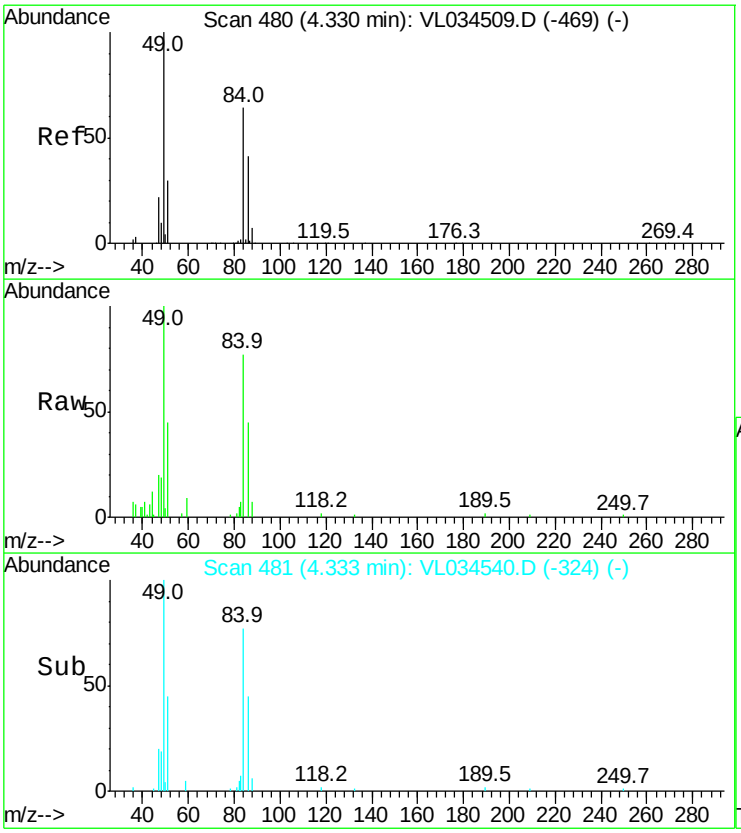
#19
Isopropyl Alcohol
Concen: 0.376 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument :
MSVOA_L
ClientSampleId :
44-2DL

Tgt Ion: 45 Resp: 35713

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#

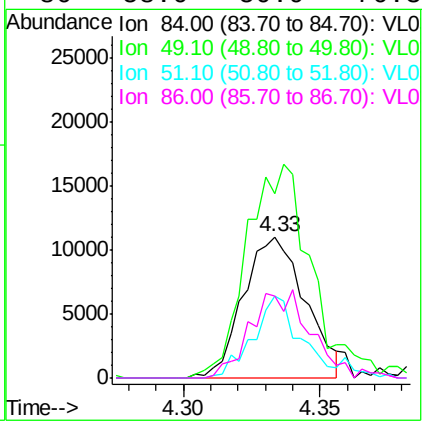


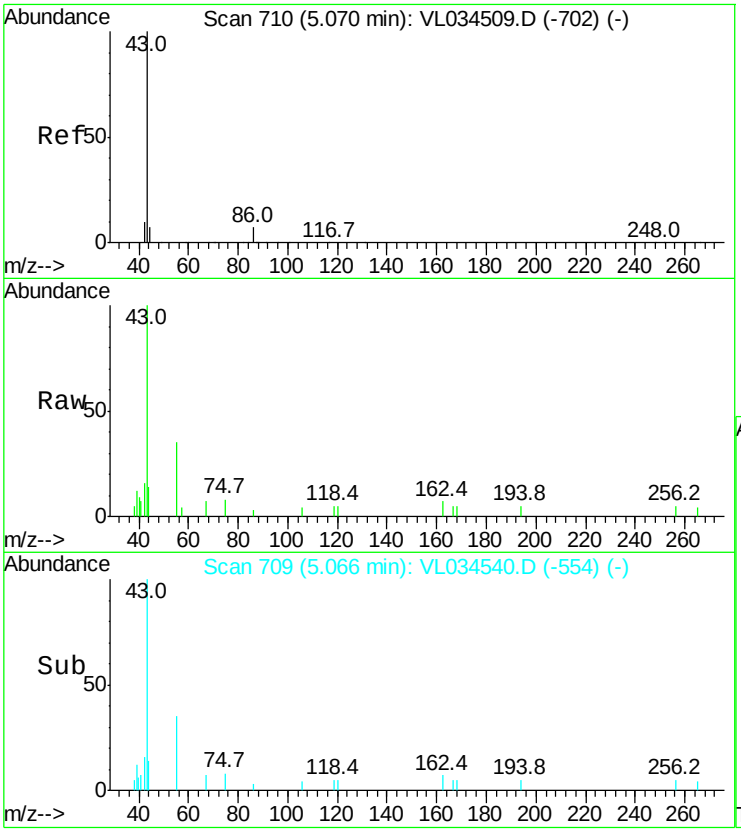


#20
Methylene Chloride
Concen: 0.301 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 84 Resp: 17331

Ion	Ratio	Lower	Upper
84	100		
49	130.0	124.4	186.6
51	58.2	37.0	55.6#
86	58.0	50.9	76.3



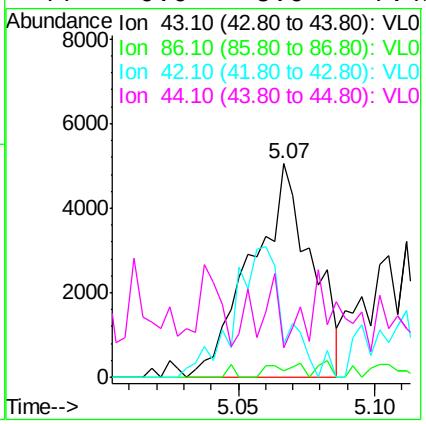


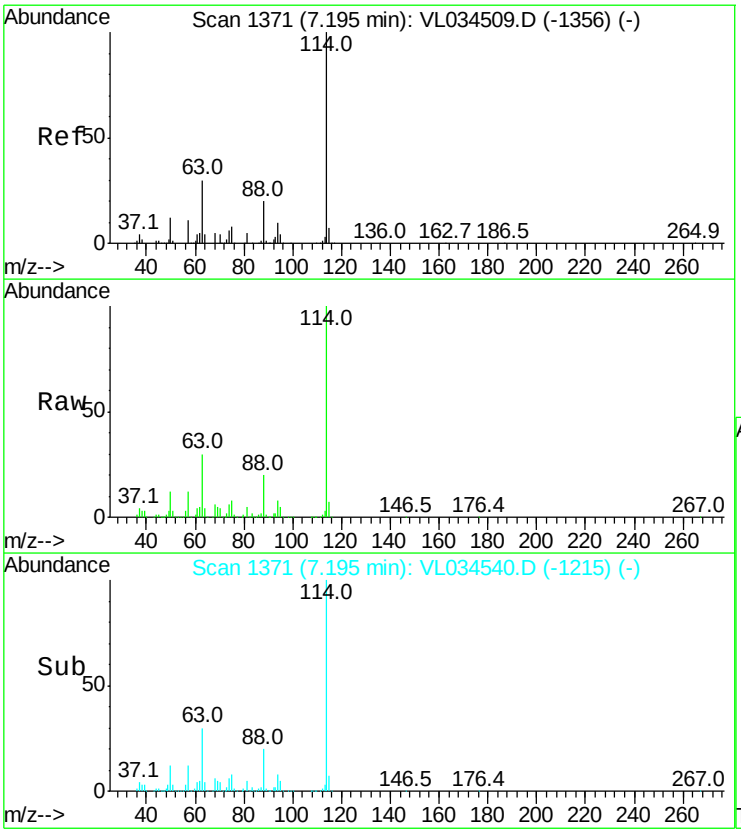
#23
Vinyl Acetate
Concen: 0.045 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Tgt Ion: 43 Resp: 7682

Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.4	8.2#
42	13.8	8.9	13.3#
44	0.0	5.0	7.4#

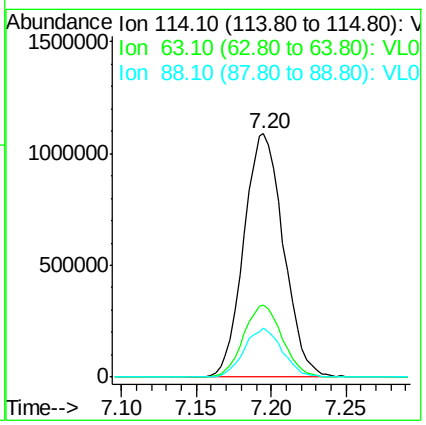


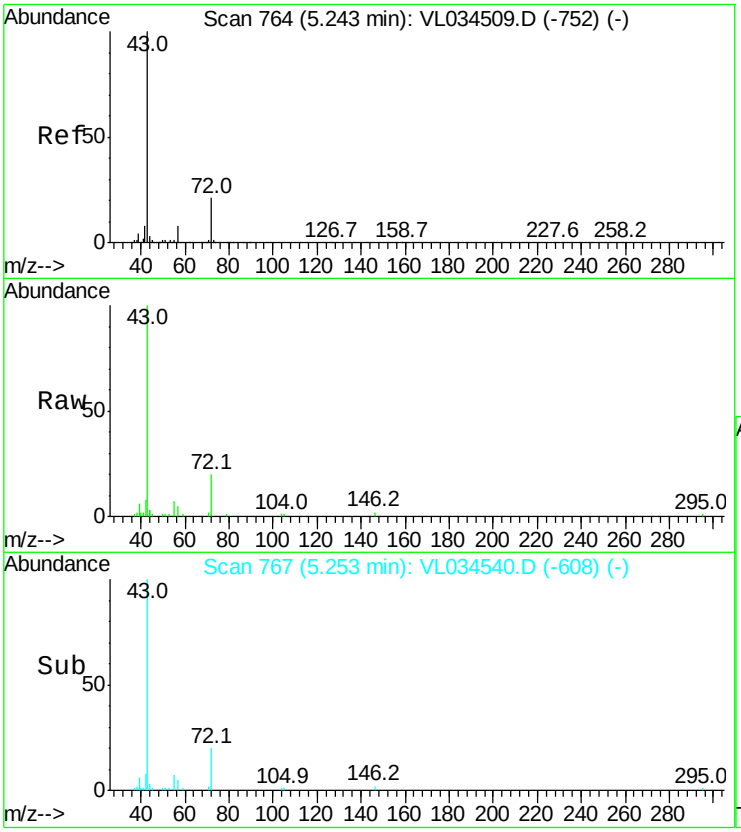


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion:114 Resp: 2006552

Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	19.4	15.7	23.5



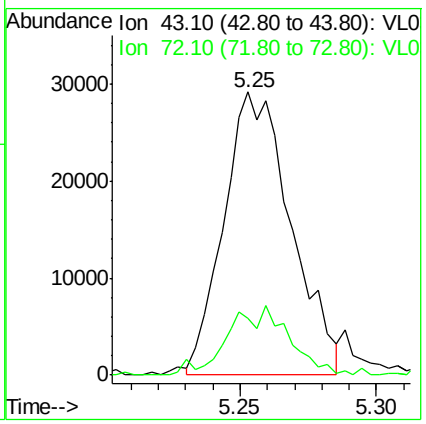


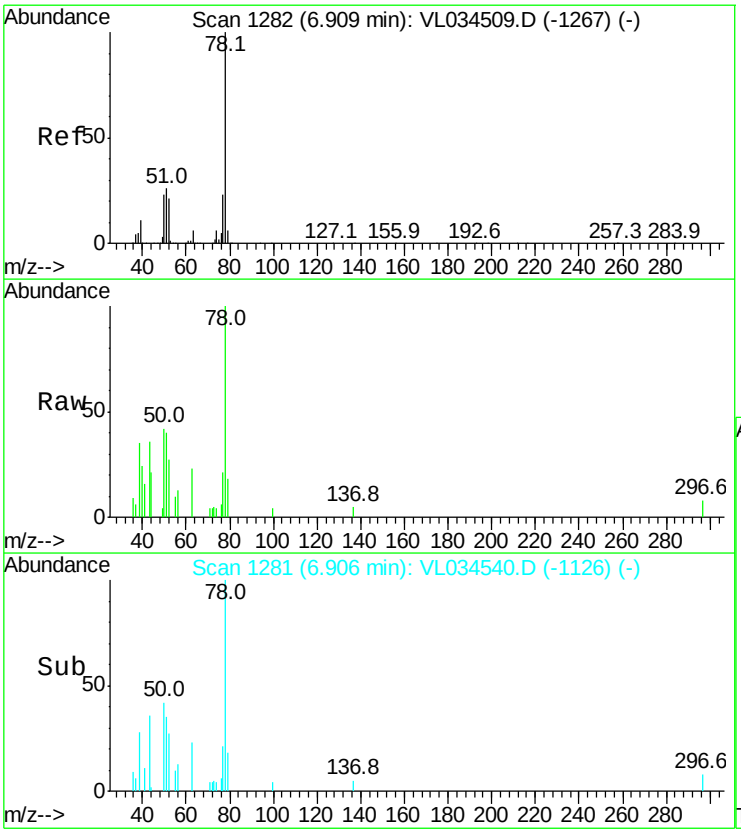
#34
2-Butanone
Concen: 0.348 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.01 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Tgt Ion: 43 Resp: 49865

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.0	25.4

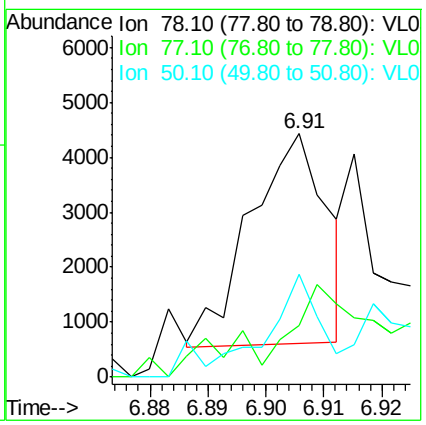


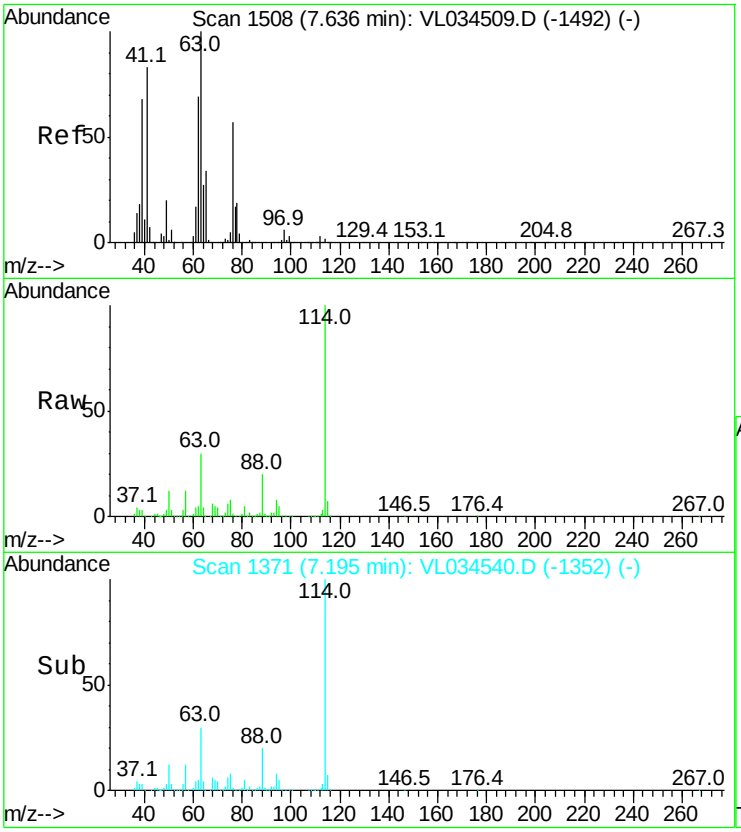


#36
Benzene
Concen: 0.020 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 78 Resp: 3502

Ion	Ratio	Lower	Upper
78	100		
77	14.4	18.6	28.0#
50	37.8	18.8	28.2#



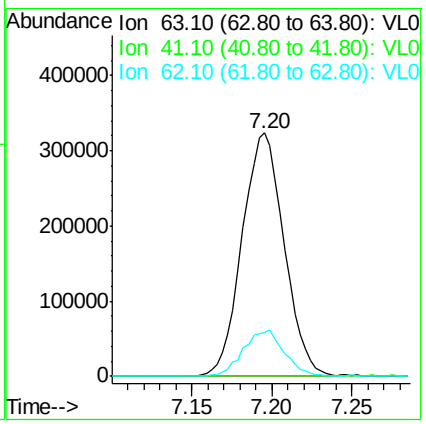


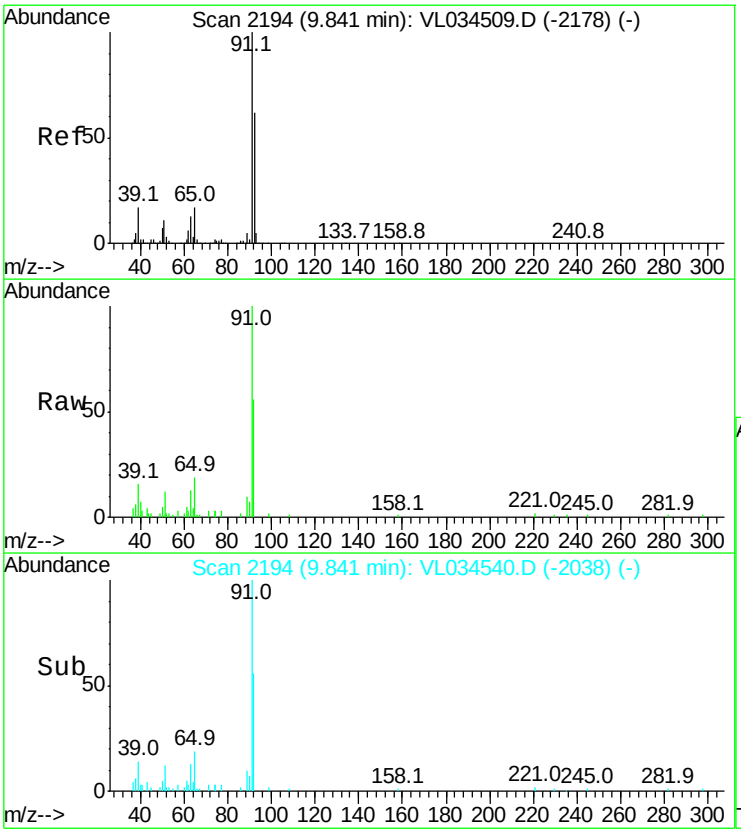
#39
1,2-Dichloropropane
Concen: 8.116 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.44 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Tgt Ion: 63 Resp: 583742

Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	18.3	54.9	82.3#

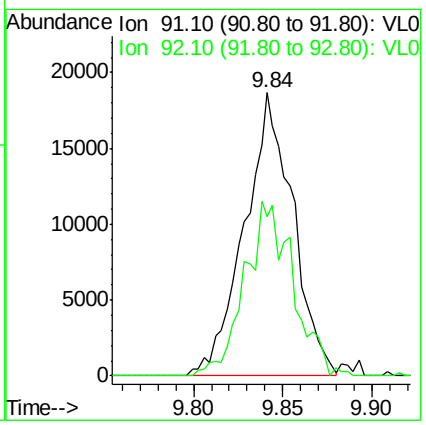


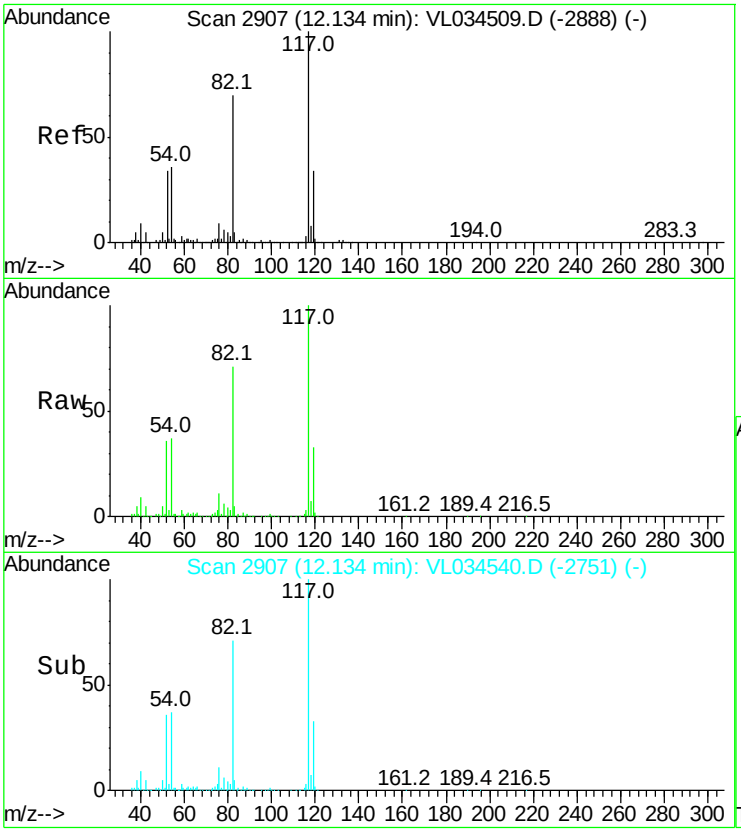


#53
Toluene
Concen: 0.185 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 91 Resp: 35461

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.4	72.6



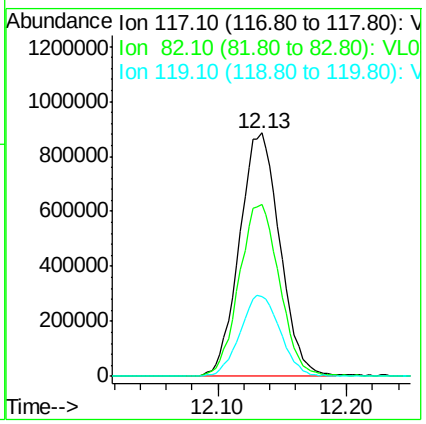


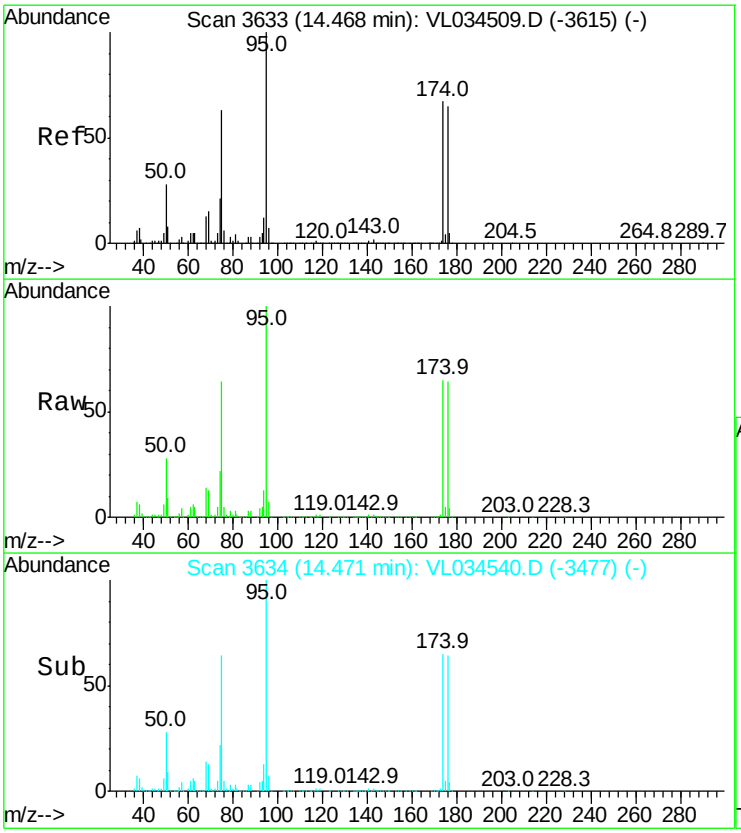
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument : MSVOA_L
ClientSampleId : 44-2DL

Tgt Ion:117 Resp: 1931259

Ion	Ratio	Lower	Upper
117	100		
82	70.9	56.2	84.4
119	33.3	27.1	40.7





#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 95 Resp: 1611243

Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.4	78.6
175	4.9	3.9	5.9