Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034522.D
Acq On : 30 Dec 2019 21:50
Operator : SY/AP
Sample : K6388-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MID

Quant Time: Dec 31 05:01:48 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	875245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1743662	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1643869	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1402964	10.23	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	88953	0.644	ppbv #	85
3) Chlorodifluoromethane	2.96	51	39956	0.383	ppbv #	91
4) Chloromethane	3.11	50	25573	0.413	ppbv	99
7) Chloroethane	3.54	64	3268	0.155	ppbv	94
9) Propene	3.18	41	23361	0.581	ppbv	97
11) Trichlorofluoromethane	3.93	101	41898	0.262	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5137	0.051	ppbv #	44
13) Ethanol	3.56	45	367	0.033	ppbv #	38
15) Acetone	3.84	43	212170	1.661	ppbv	96
18) 1,1-Dichloroethene	4.28	96	6527	0.147	ppbv	84
19) Isopropyl Alcohol	3.98	45	21687	0.262	ppbv #	95
20) Methylene Chloride	4.33	84	21298	0.424	ppbv #	91
24) 1,1-Dichloroethane	5.00	63	31101	0.263	ppbv #	93
26) Hexane	5.68	57	6586	0.078	ppbv #	1
36) Benzene	6.91	78	5940	0.039	ppbv #	63
39) 1,2-Dichloropropane	7.20	63	216344	3.461	ppbv #	20
44) 2,2,4-Trimethylpentane	7.89	57	14885	0.053	ppbv #	54
53) Toluene	9.84	91	10005	0.060	ppbv #	15

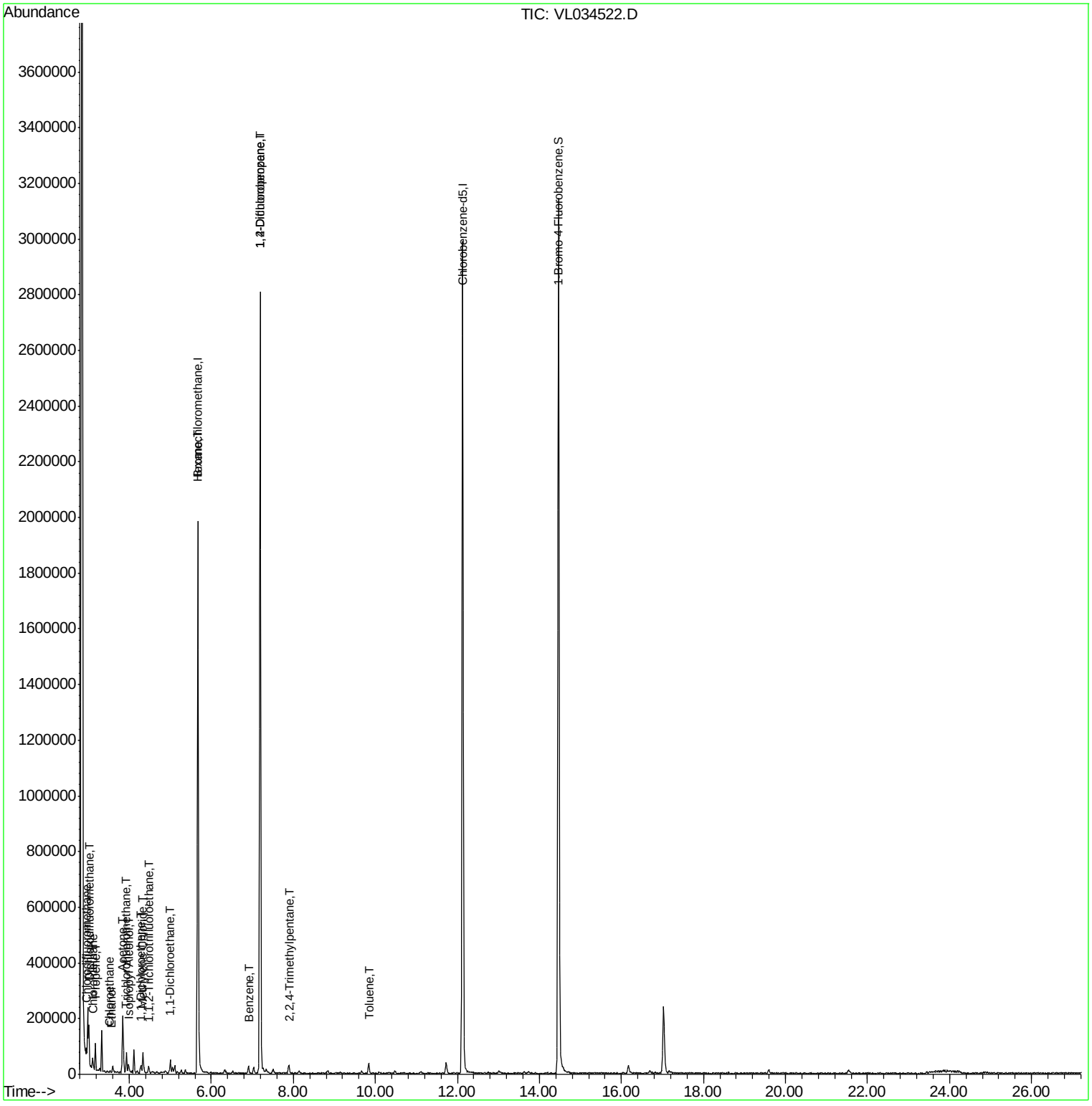
(#) = qualifier out of range (m) = manual integration (+) = signals summed

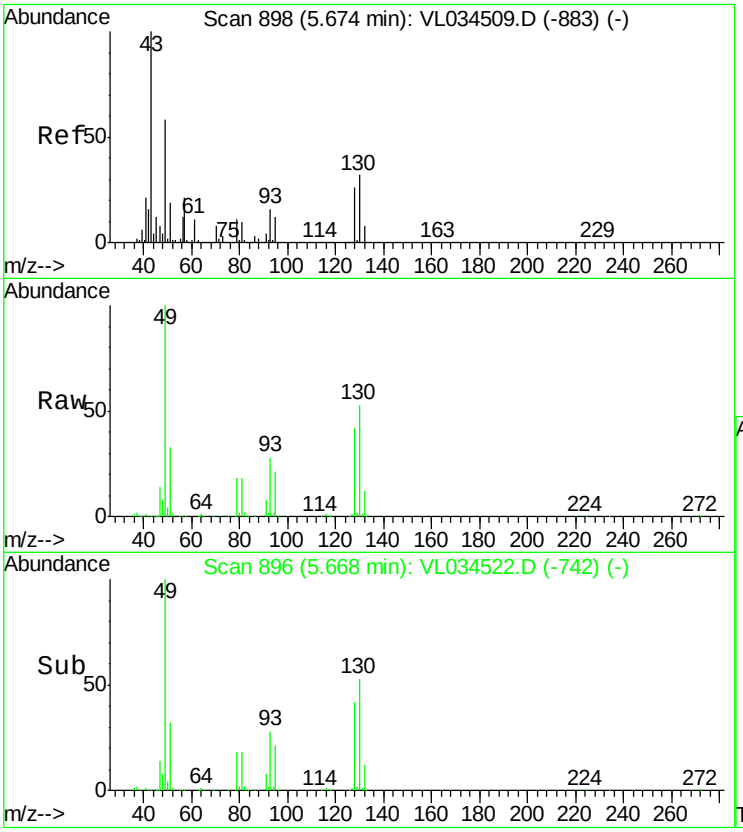
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034522.D
Acq On : 30 Dec 2019 21:50
Operator : SY/AP
Sample : K6388-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MID

Quant Time: Dec 31 05:01:48 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



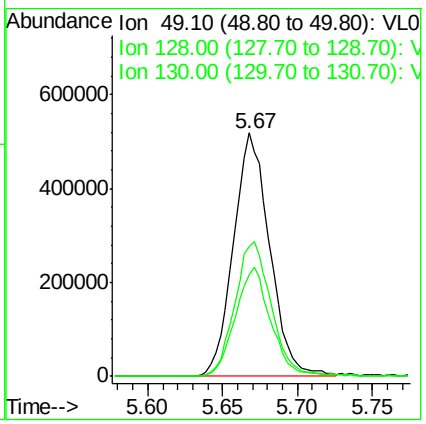


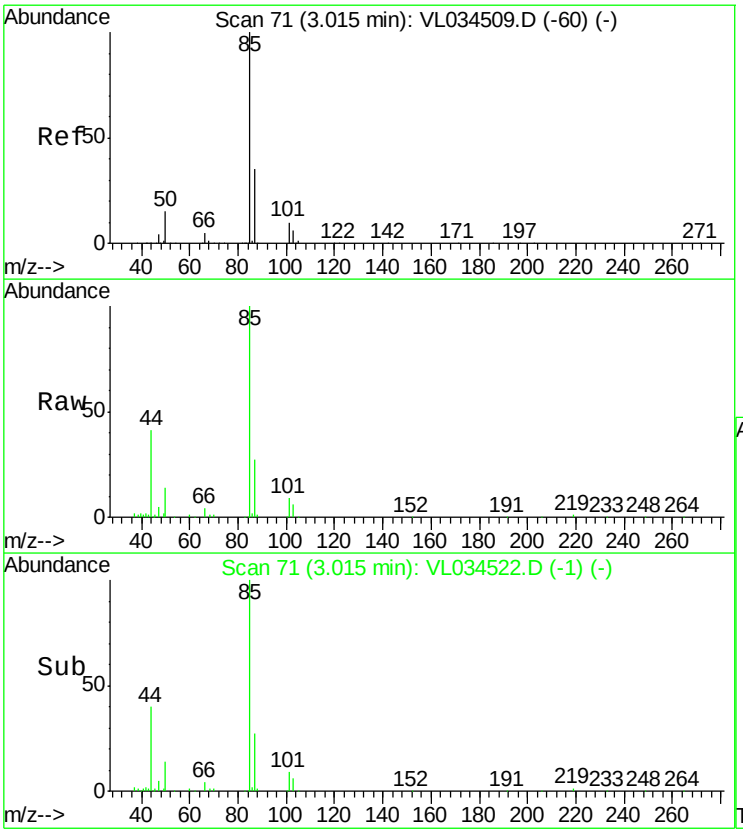
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument :
MSVOA_L
ClientSampleId :
MID

Tgt Ion: 49 Resp: 875245

Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.4	67.2
130	55.9	28.3	85.0

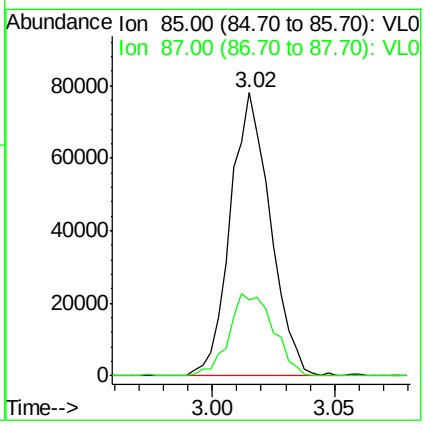


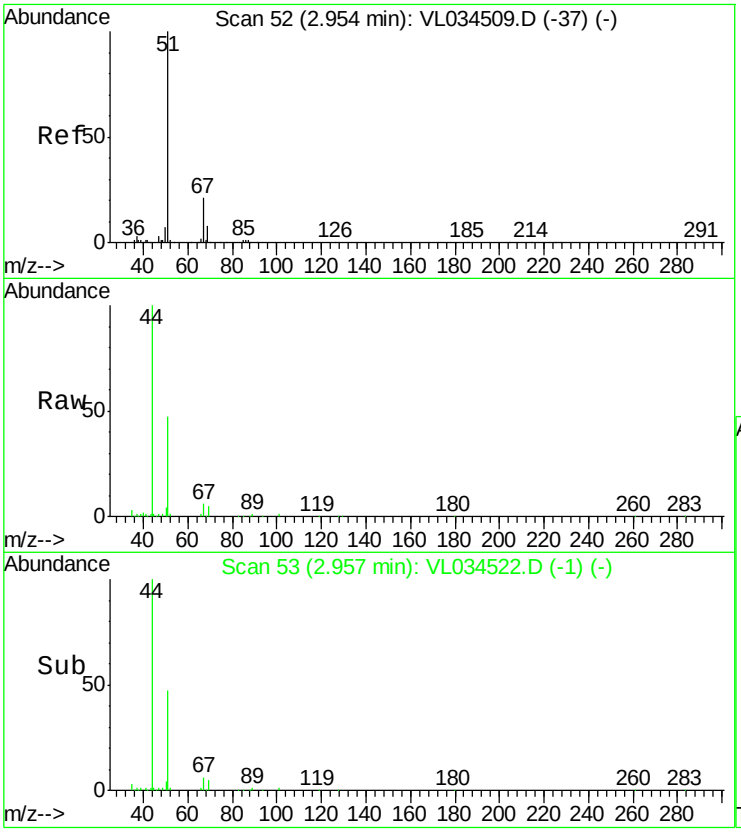


#2
Dichlorodifluoromethane
Concen: 0.644 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 85 Resp: 88953

Ion	Ratio	Lower	Upper
85	100		
87	26.4	27.9	41.9#



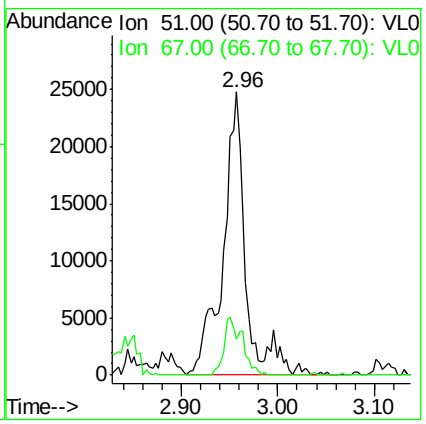


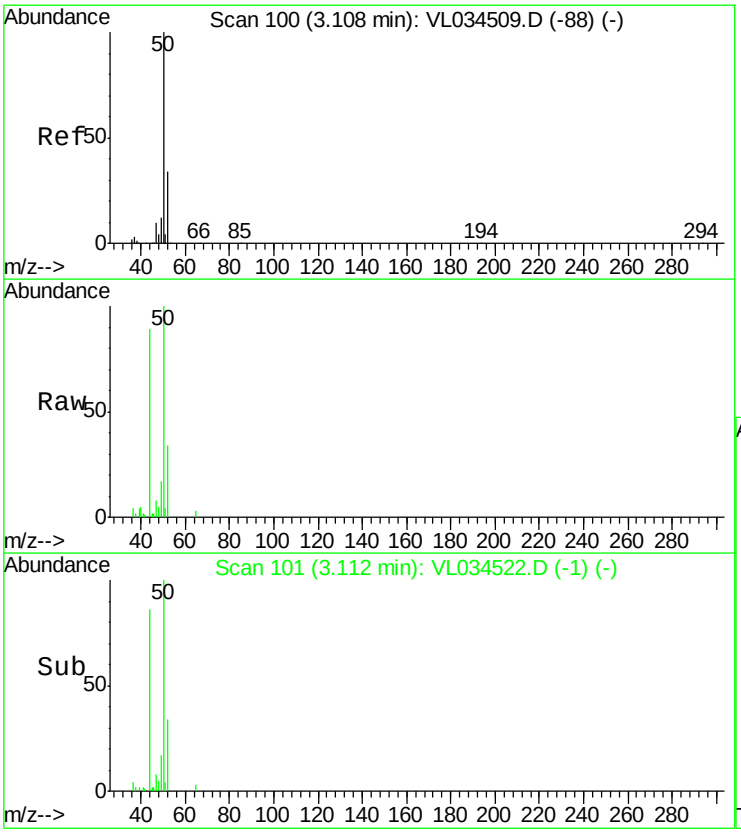
#3
Chlorodifluoromethane
Concen: 0.383 ppbv
RT: 2.96 min Scan# 53
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 51 Resp: 39956

Ion	Ratio	Lower	Upper
51	100		
67	16.7	16.8	25.2#

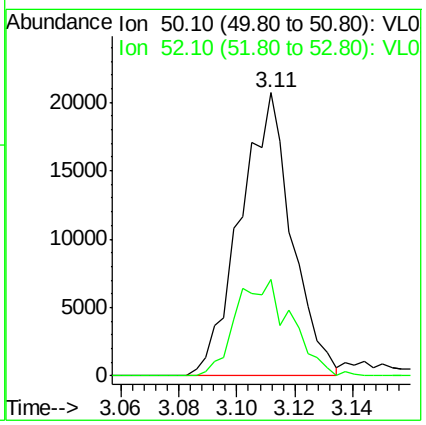


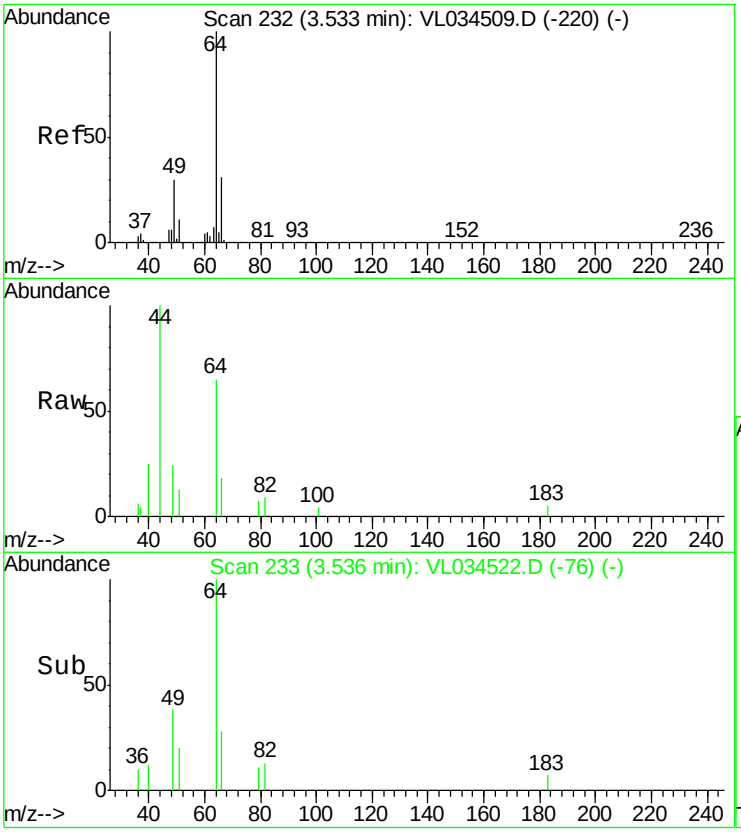


#4
Chloromethane
Concen: 0.413 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 50 Resp: 25573

Ion	Ratio	Lower	Upper
50	100		
52	34.2	27.6	41.4



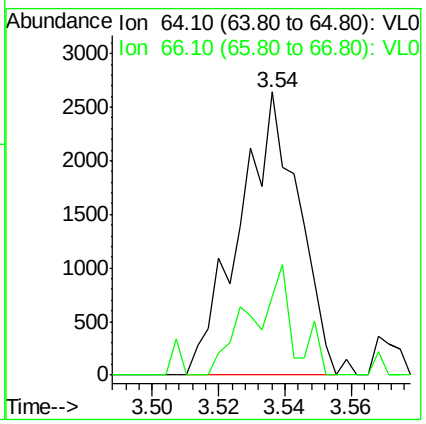


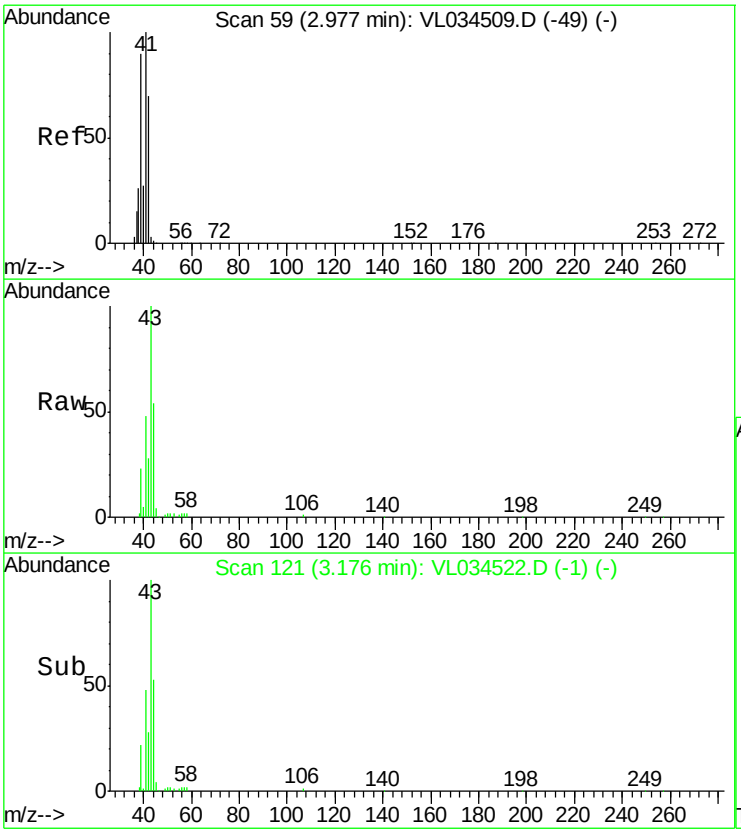
#7
Chloroethane
Concen: 0.155 ppbv
RT: 3.54 min Scan# 233
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 64 Resp: 3268

Ion	Ratio	Lower	Upper
64	100		
66	27.9	25.0	37.4

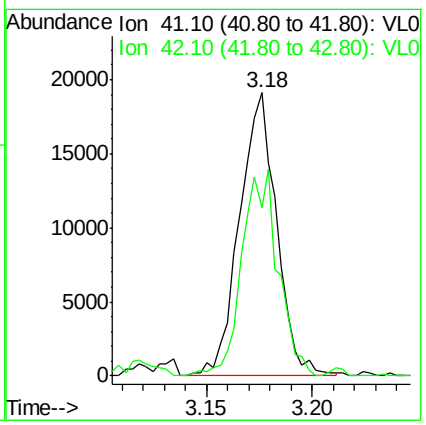


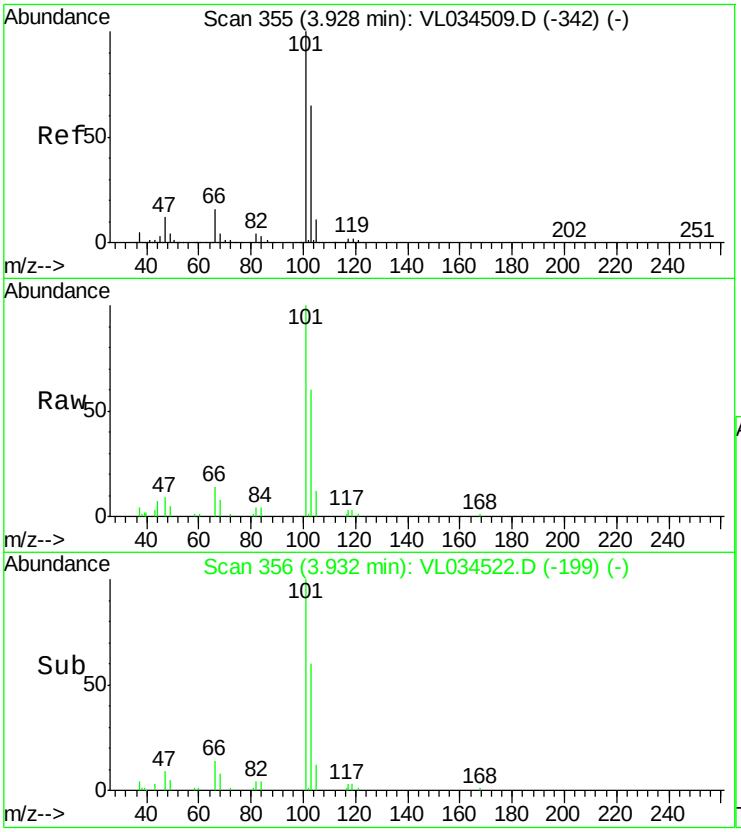


#9
Propene
Concen: 0.581 ppbv
RT: 3.18 min Scan# 121
Delta R.T. 0.20 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 41 Resp: 23361

Ion	Ratio	Lower	Upper
41	100		
42	72.0	55.8	83.6



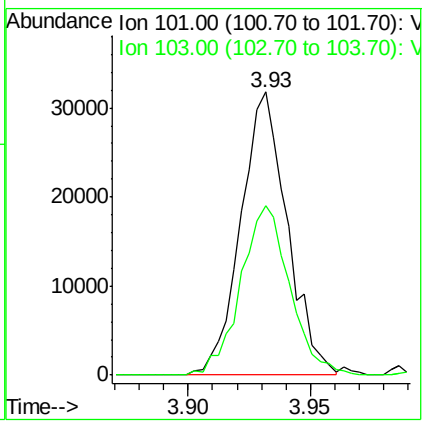


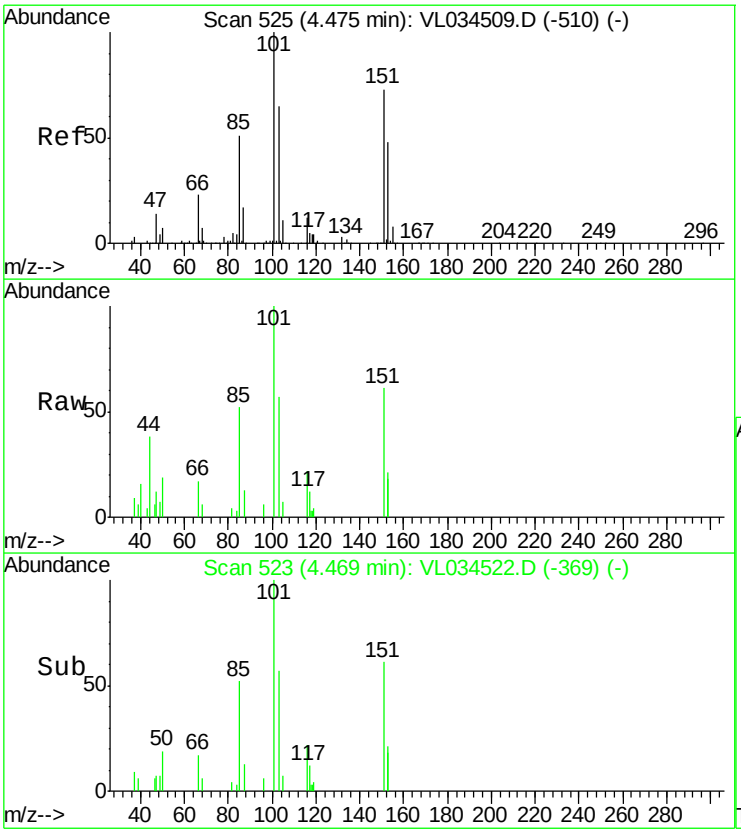
#11
Trichlorofluoromethane
Concen: 0.262 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument :
MSVOA_L
ClientSampleId :
MID

Tgt Ion:101 Resp: 41898

Ion	Ratio	Lower	Upper
101	100		
103	59.7	52.1	78.1

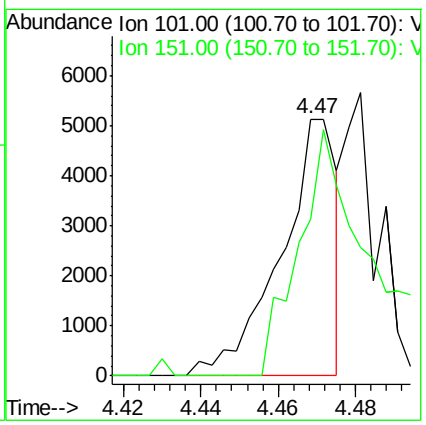


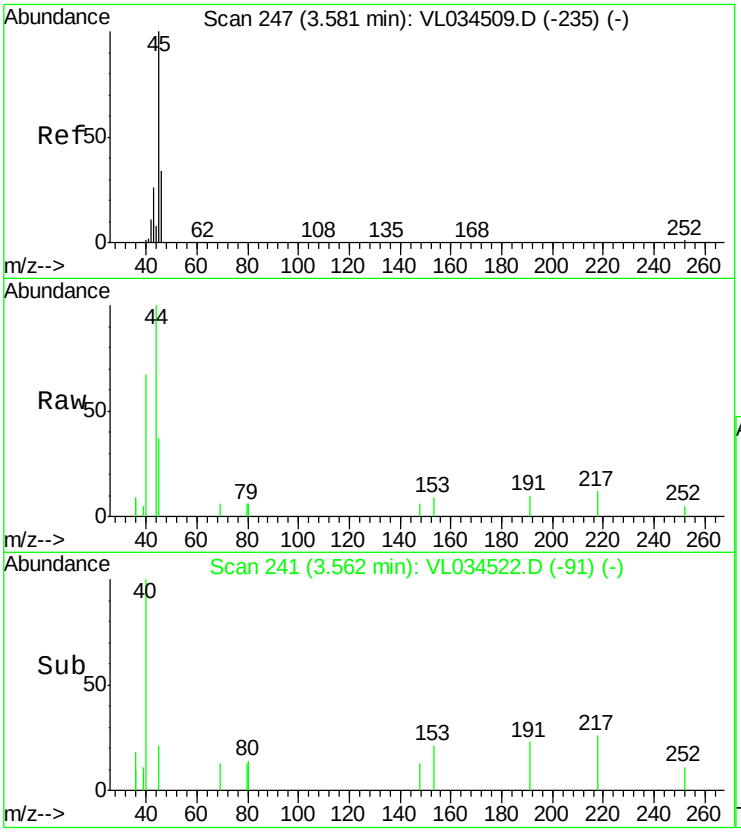


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.051 ppbv
RT: 4.47 min Scan# 523
Delta R.T. -0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion:101 Resp: 5137

Ion	Ratio	Lower	Upper
101	100		
151	118.8	57.8	86.6#



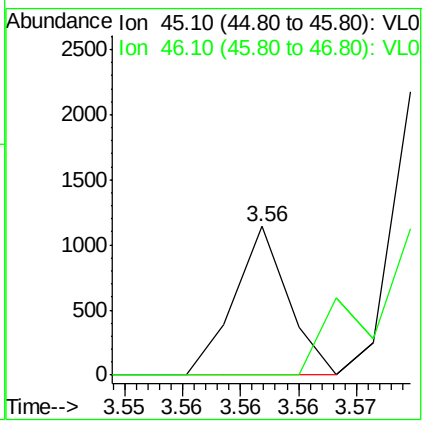


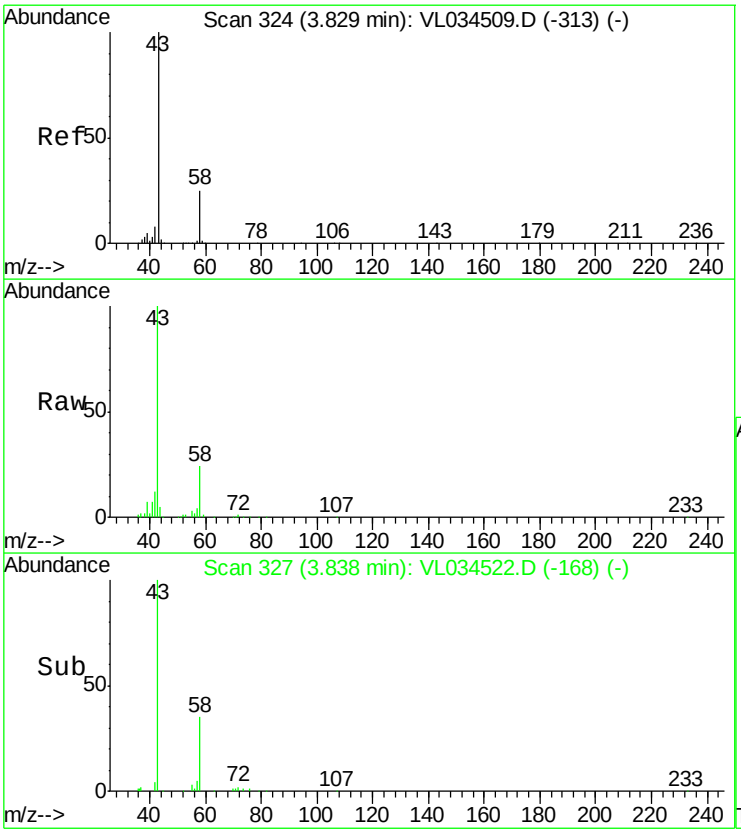
#13
Ethanol
Concen: 0.033 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.02 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument :
MSVOA_L
ClientSampleId :
MID

Tgt Ion: 45 Resp: 367

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.7#

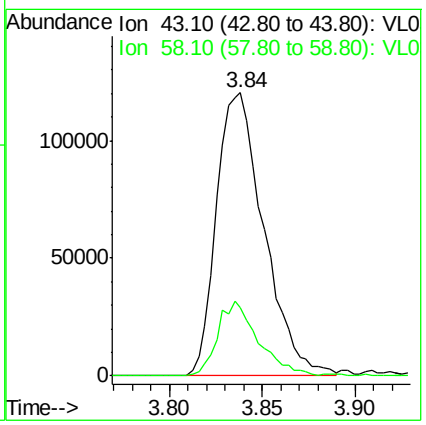


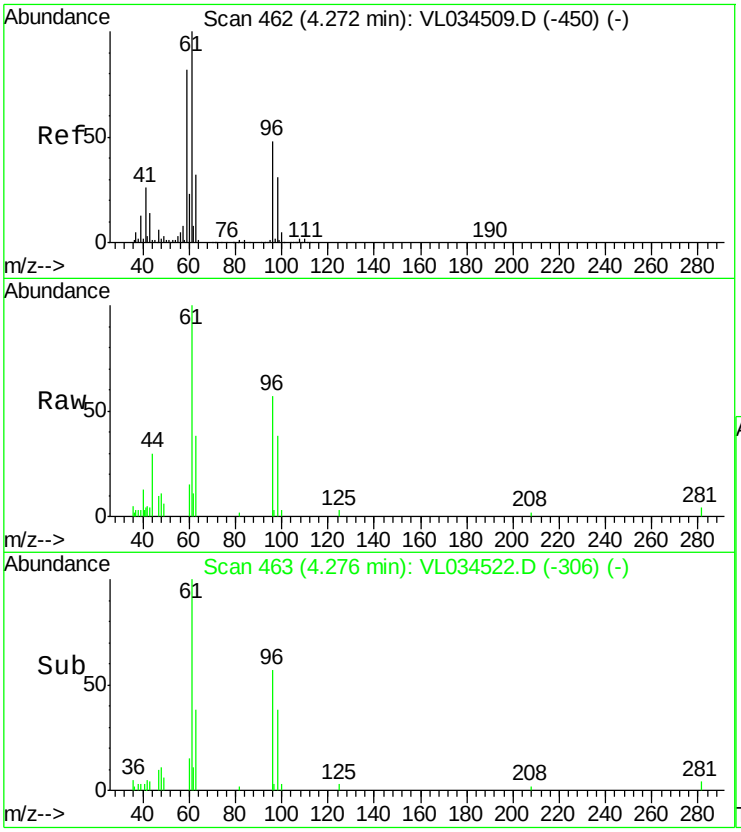


#15
Acetone
Concen: 1.661 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 43 Resp: 212170

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.4	30.6



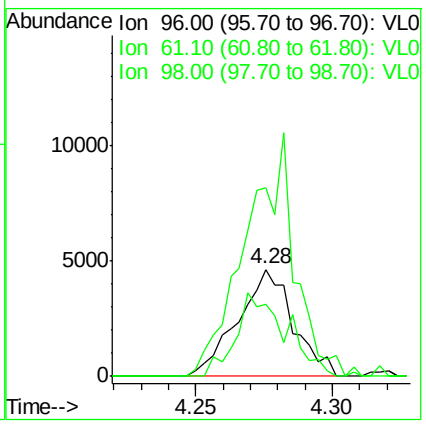


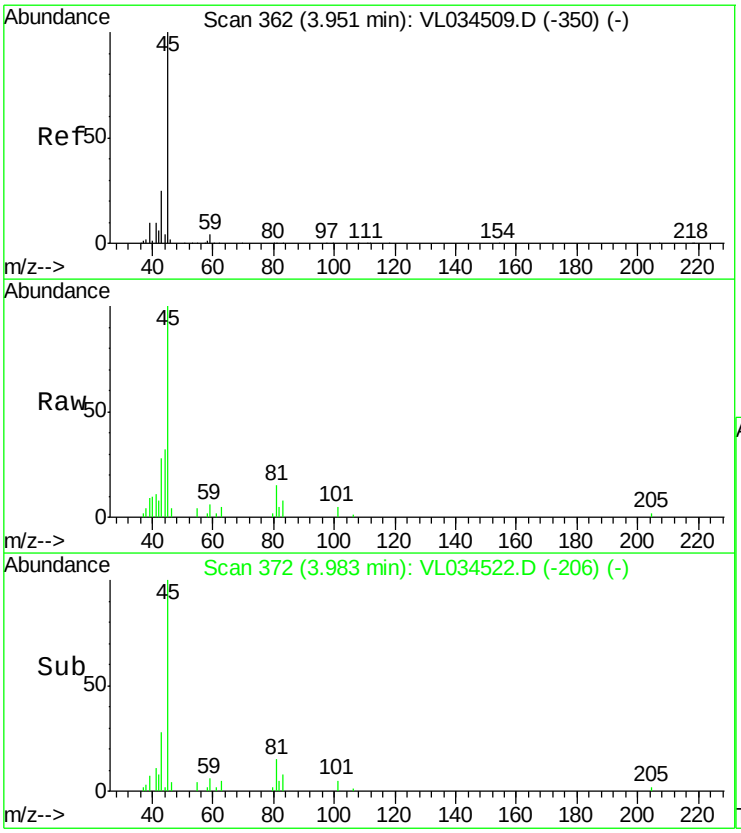
#18
1,1-Dichloroethene
Concen: 0.147 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 96 Resp: 6527

Ion	Ratio	Lower	Upper
96	100		
61	175.7	165.9	248.9
98	67.1	51.9	77.9

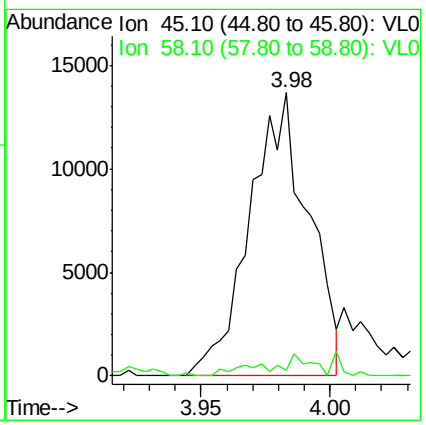


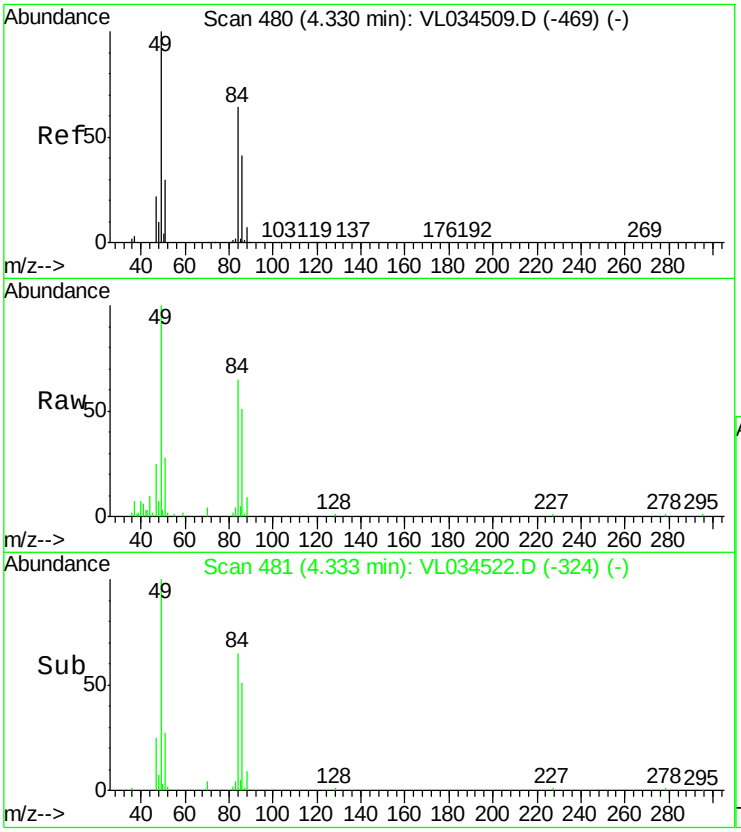


#19
Isopropyl Alcohol
Concen: 0.262 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.03 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 45 Resp: 21687

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#



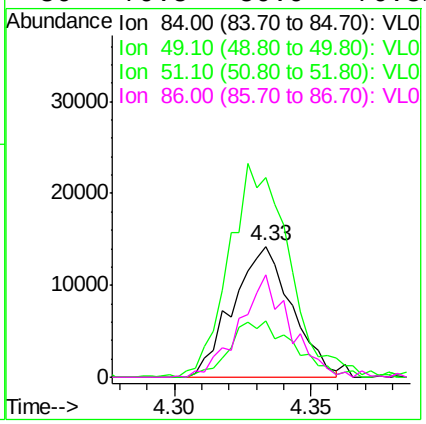


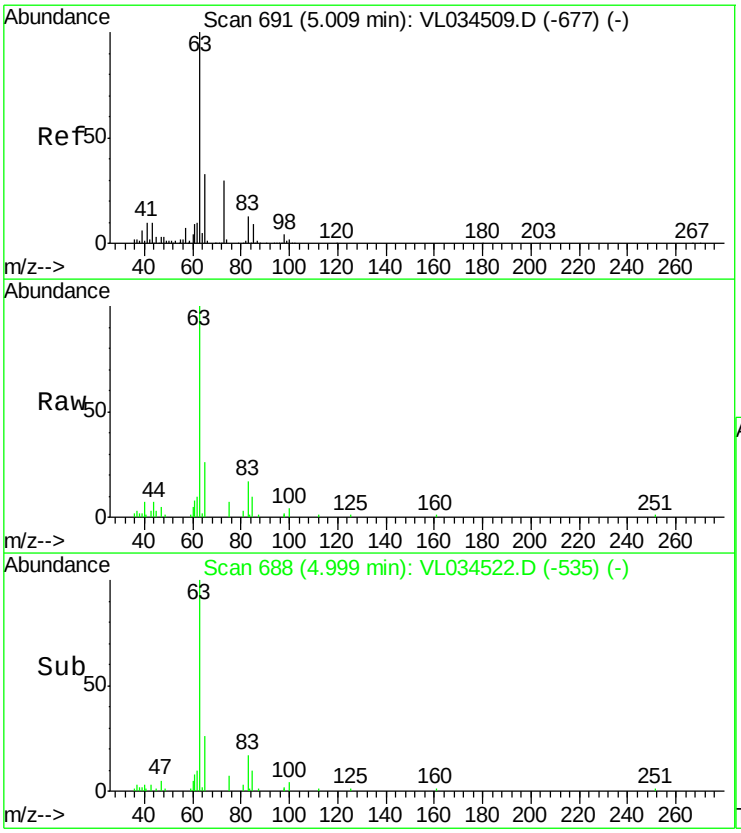
#20
Methylene Chloride
Concen: 0.424 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 84 Resp: 21298

Ion	Ratio	Lower	Upper
84	100		
49	148.2	124.4	186.6
51	43.5	37.0	55.6
86	79.5	50.9	76.3#

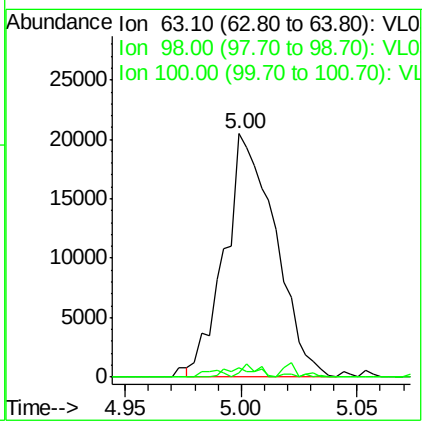


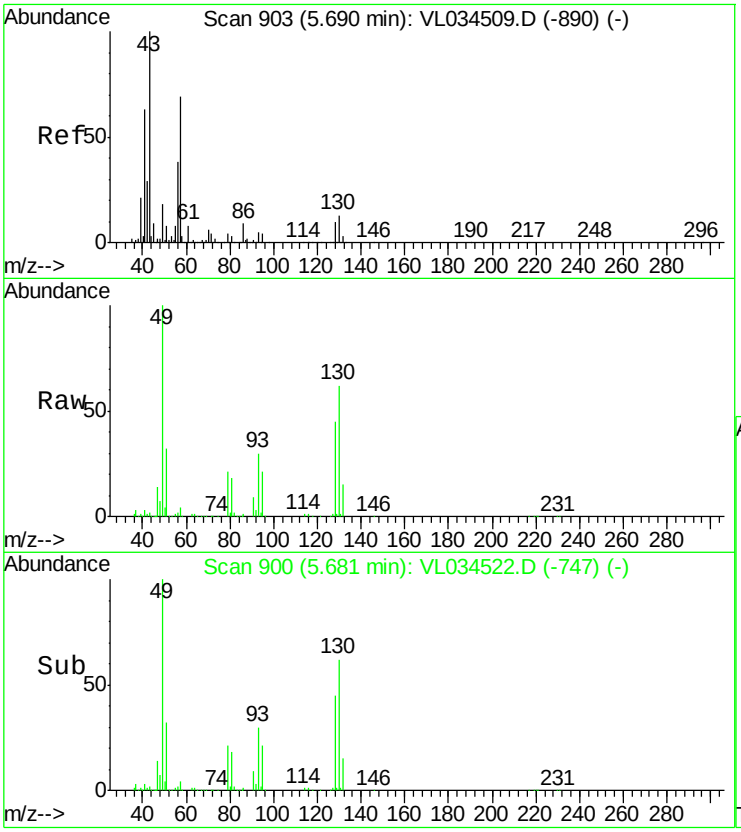


#24
1,1-Dichloroethane
Concen: 0.263 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 63 Resp: 31101

Ion	Ratio	Lower	Upper
63	100		
98	1.6	2.1	6.3#
100	3.7	1.1	3.3#



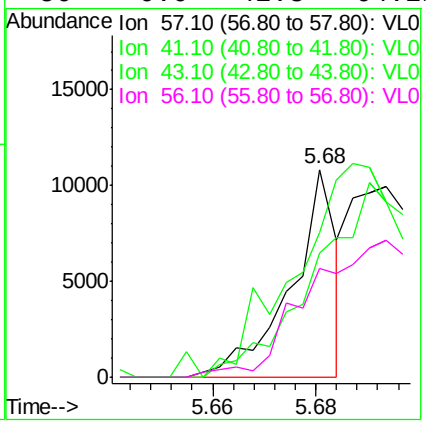


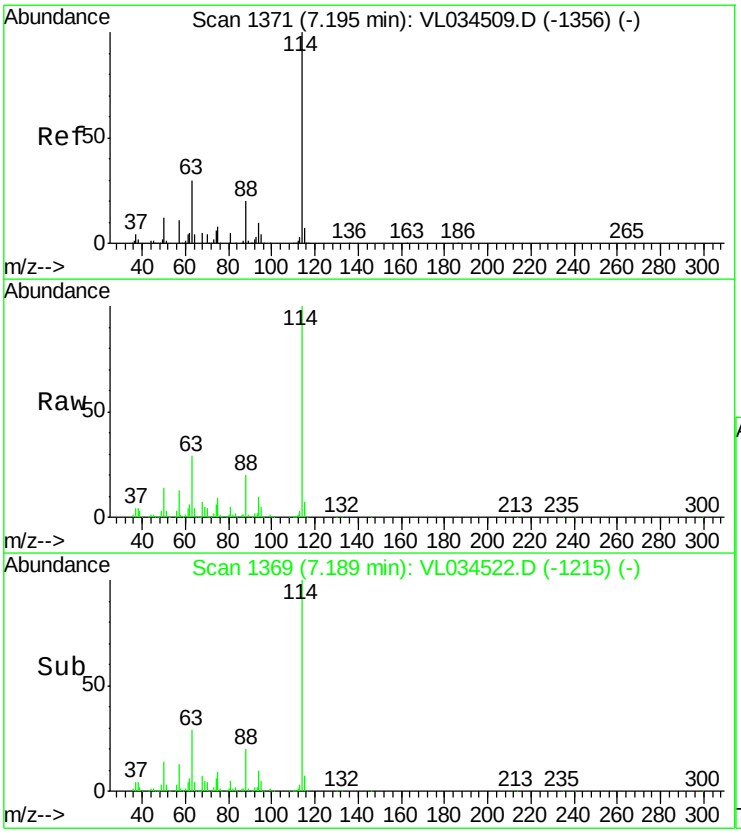
#26
Hexane
Concen: 0.078 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 57 Resp: 6586

Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.3	112.9#
43	0.0	189.4	284.2#
56	0.0	42.8	64.2#

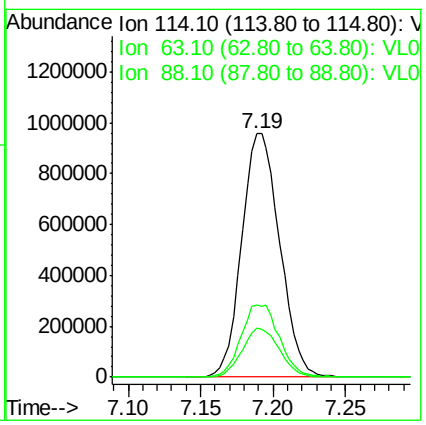


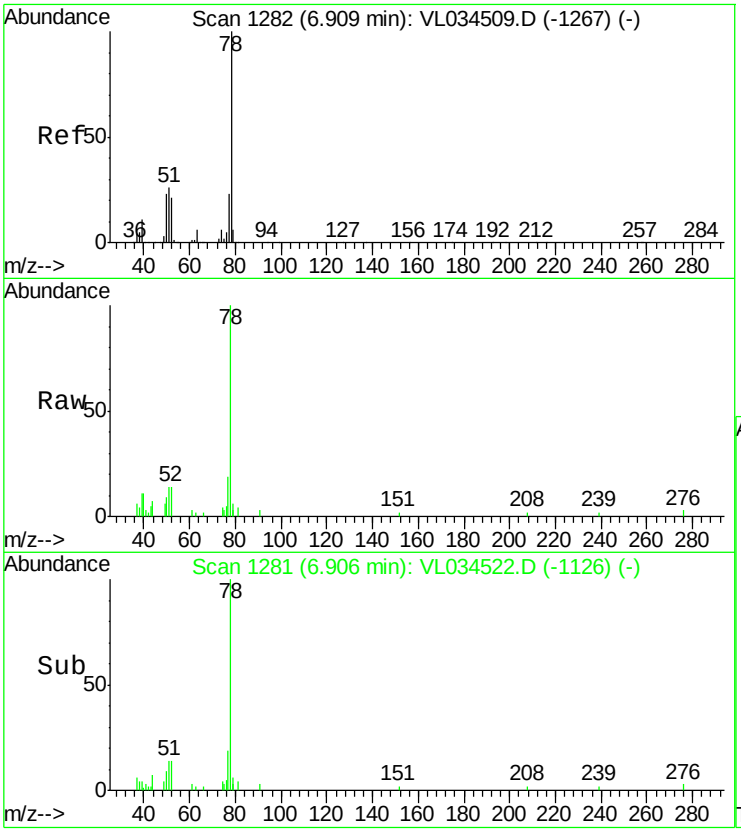


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion:114 Resp: 1743662

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.1	36.1
88	19.7	15.7	23.5



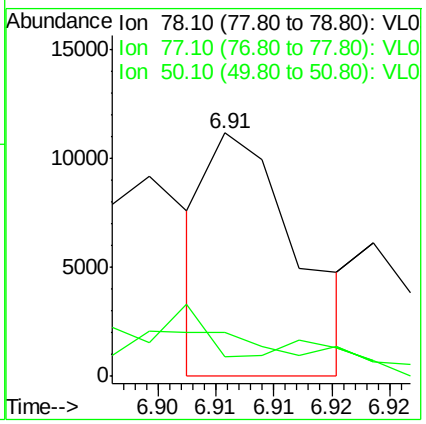


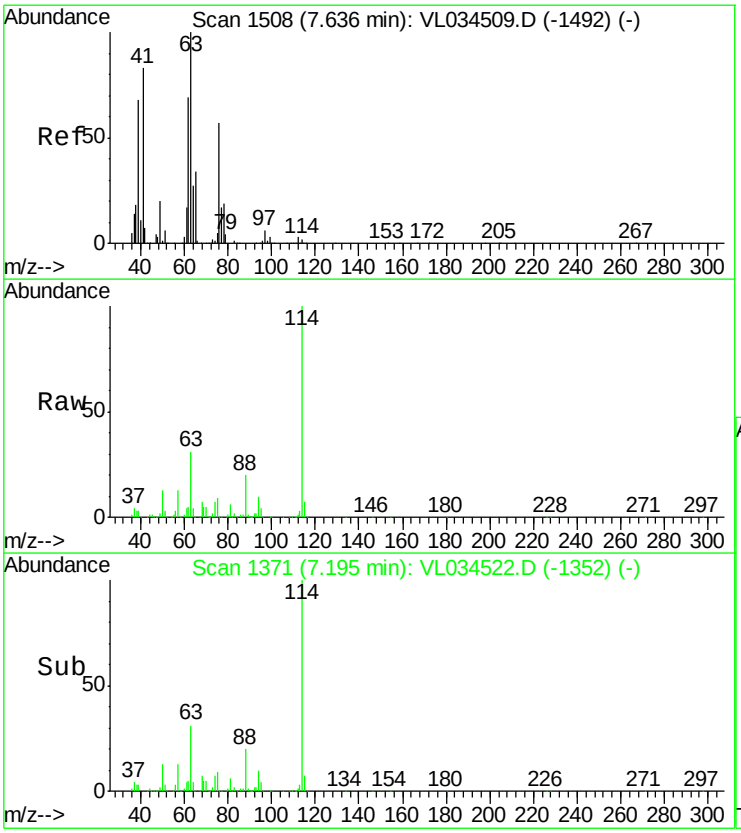
#36
Benzene
Concen: 0.039 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 78 Resp: 5940

Ion	Ratio	Lower	Upper
78	100		
77	10.3	18.6	28.0#
50	0.0	18.8	28.2#

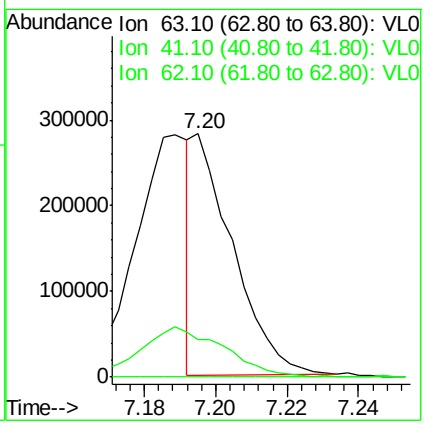


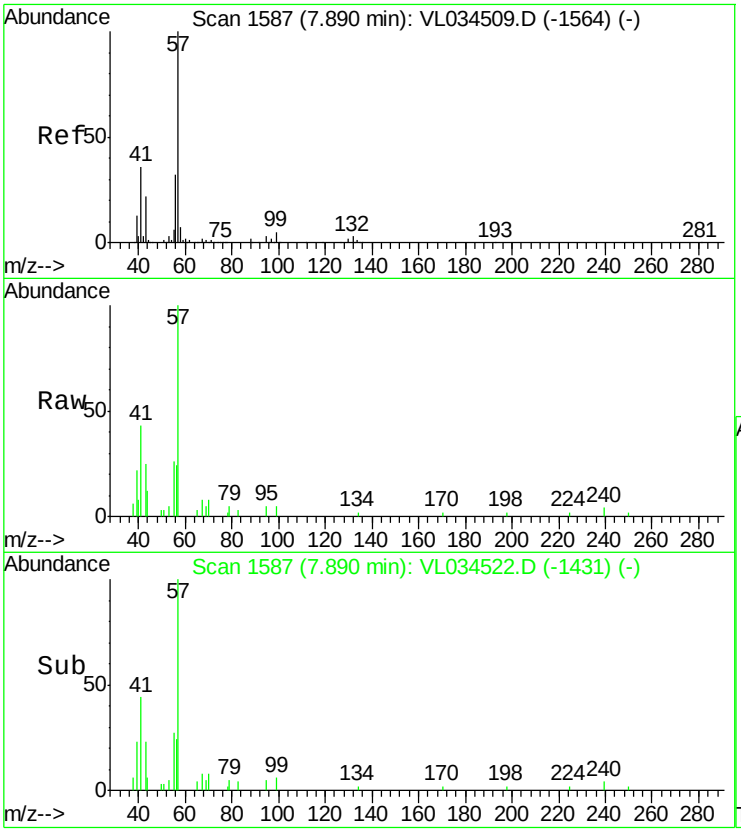


#39
1,2-Dichloropropane
Concen: 3.461 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.44 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 63 Resp: 216344

Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	15.2	54.9	82.3#



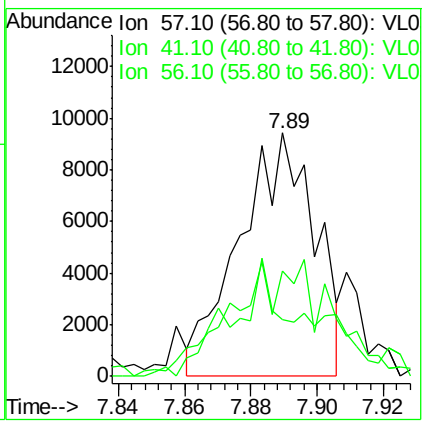


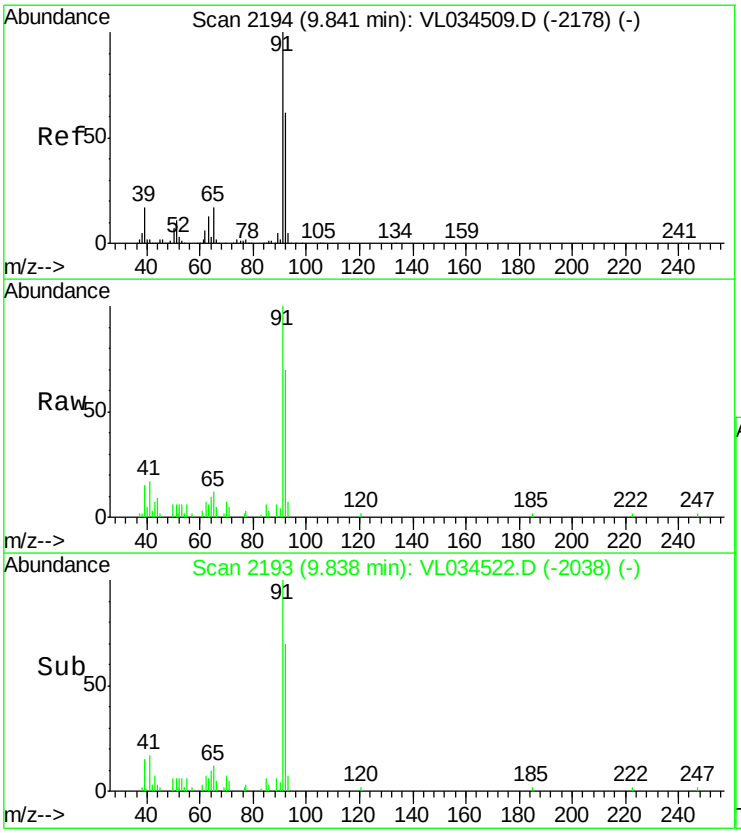
#44
2,2,4-Trimethylpentane
Concen: 0.053 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument : MSVOA_L
ClientSampleId : MID

Tgt Ion: 57 Resp: 14885

Ion	Ratio	Lower	Upper
57	100		
41	65.8	29.0	43.4#
56	53.7	24.9	37.3#

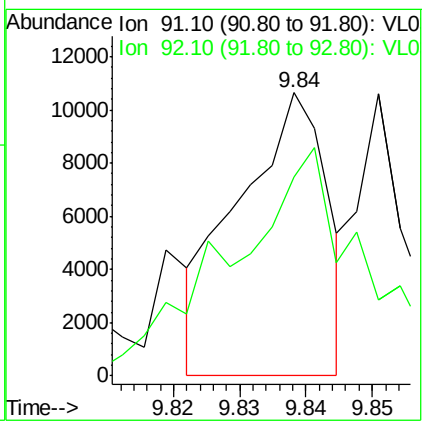


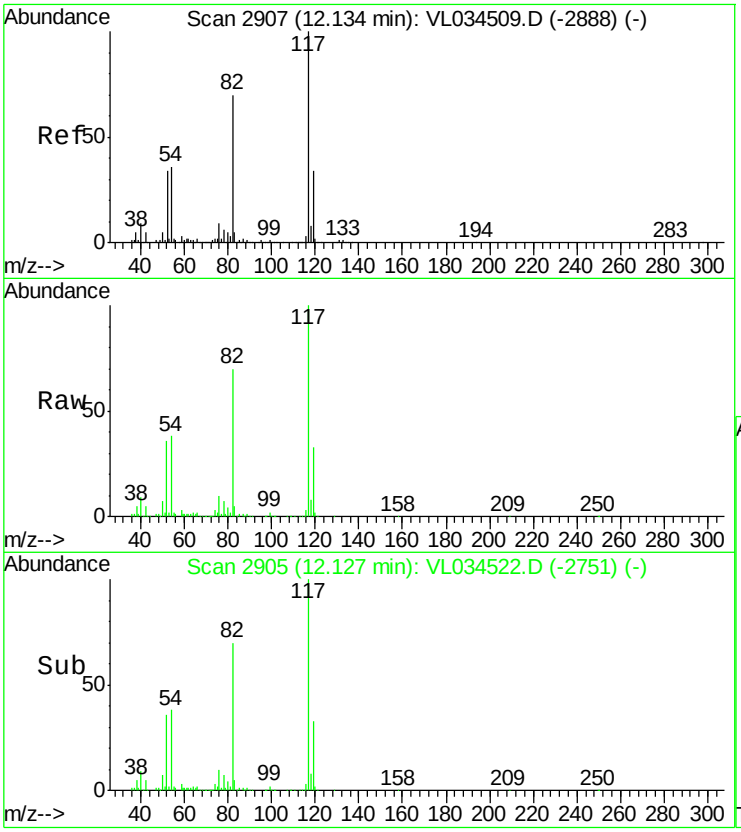


#53
Toluene
Concen: 0.060 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 91 Resp: 10005

Ion	Ratio	Lower	Upper
91	100		
92	125.4	48.4	72.6#



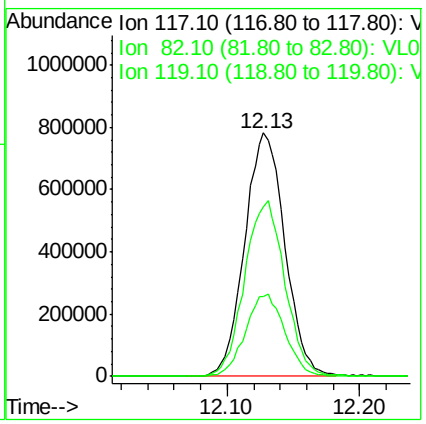


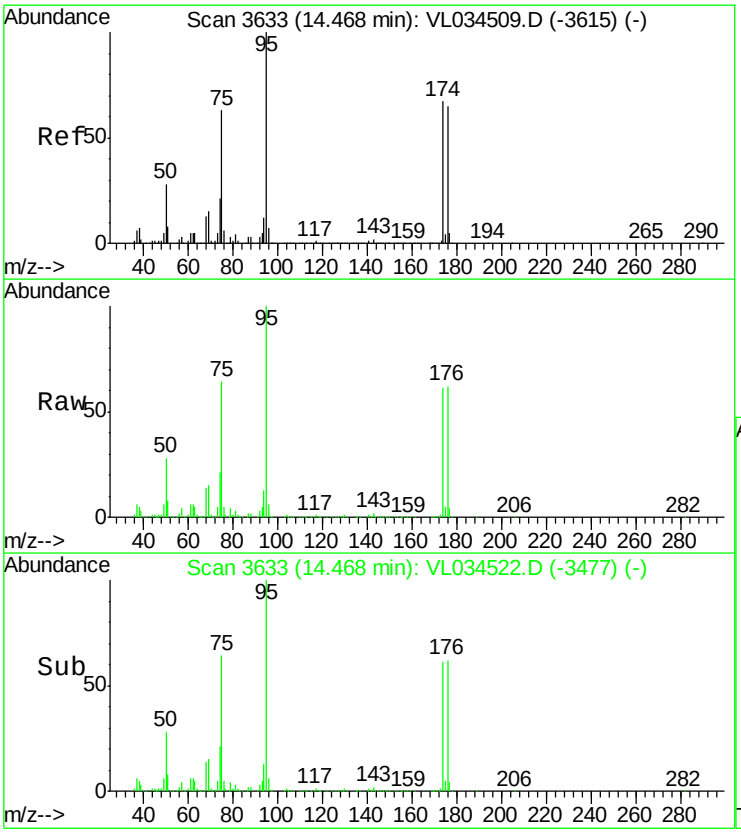
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Instrument :
MSVOA_L
ClientSampleId :
MID

Tgt Ion:117 Resp: 1643869

Ion	Ratio	Lower	Upper
117	100		
82	72.7	56.2	84.4
119	33.3	27.1	40.7





#68
1-Bromo-4-Fluorobenzene
Concen: 10.228 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. 0.00 min
Lab File: VL034522.D
Acq: 30 Dec 2019 21:50

Tgt Ion: 95 Resp: 1402964

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.4	78.6
175	4.6	3.9	5.9