Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034532.D
Acq On : 31 Dec 2019 4:25
Operator : SY/AP
Sample : K6470-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 27-2DL

Quant Time: Dec 31 06:15:25 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	981596	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1915261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1906638	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1586106	9.97	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	11297	0.073	ppbv	98
3) Chlorodifluoromethane	2.95	51	8688	0.074	ppbv #	86
4) Chloromethane	3.11	50	3229	0.046	ppbv	95
8) Dichlorotetrafluoroethane	3.02	85	11297	0.073	ppbv #	21
9) Propene	2.99	41	9401	0.208	ppbv	94
13) Ethanol	3.59	45	13083	1.046	ppbv #	38
15) Acetone	3.84	43	110588	0.772	ppbv	99
16) 1,3-Butadiene	3.28	39	6545	0.119	ppbv #	13
19) Isopropyl Alcohol	3.97	45	5842	0.063	ppbv #	95
20) Methylene Chloride	4.34	84	11680	0.207	ppbv #	72
26) Hexane	5.69	57	2195	0.023	ppbv #	23
39) 1,2-Dichloropropane	7.20	63	572544	8.340	ppbv #	22

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

Quantitation Report (Not Reviewed)

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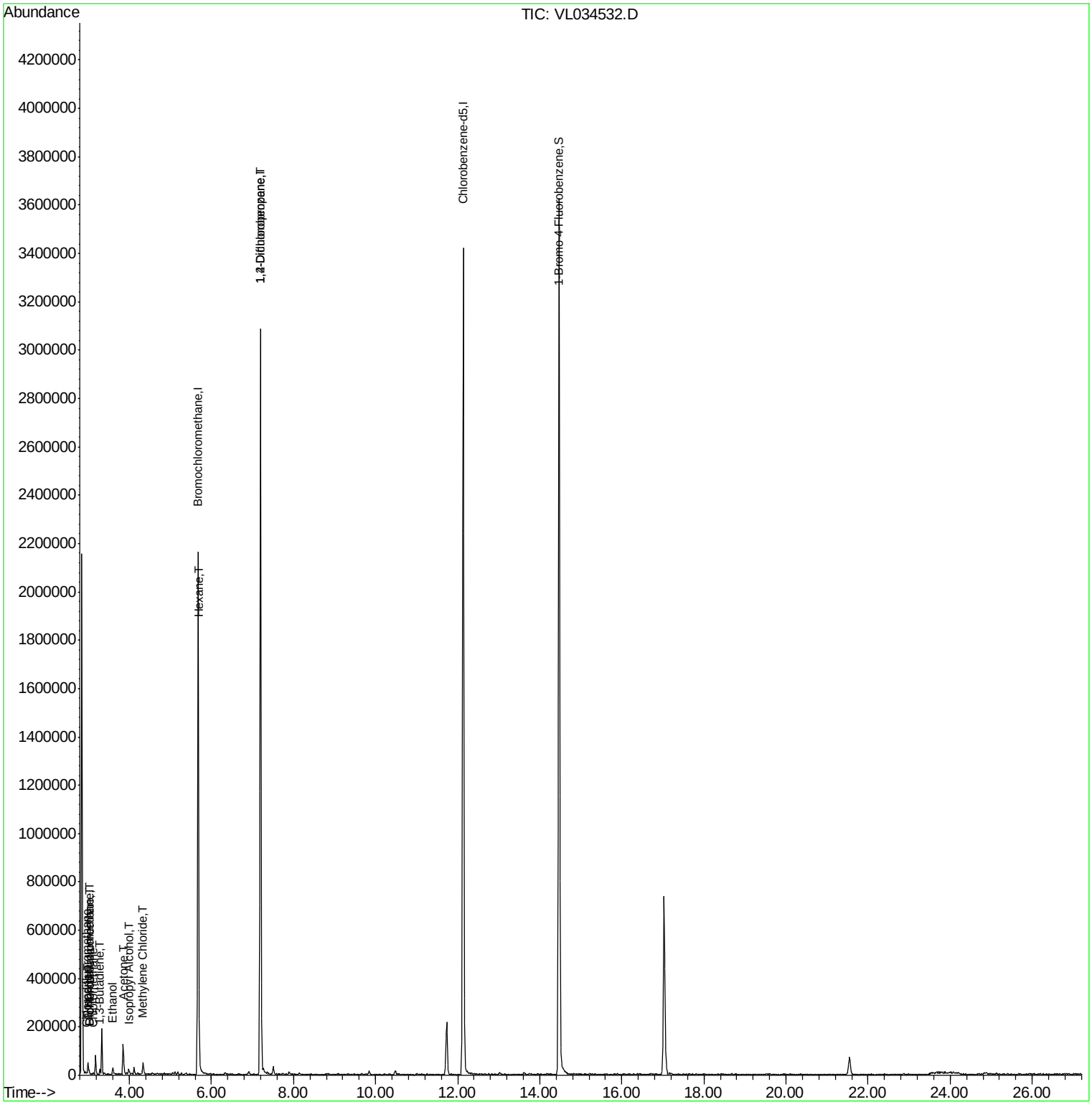
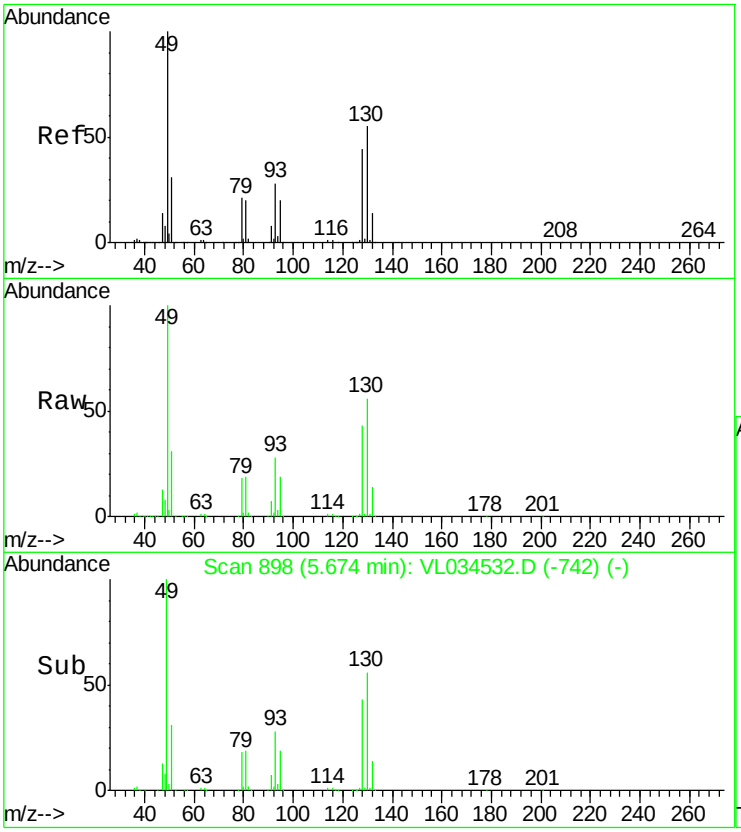


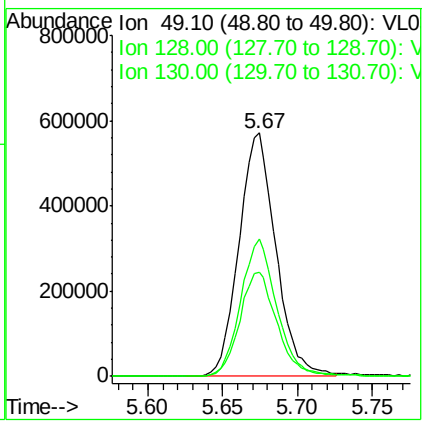


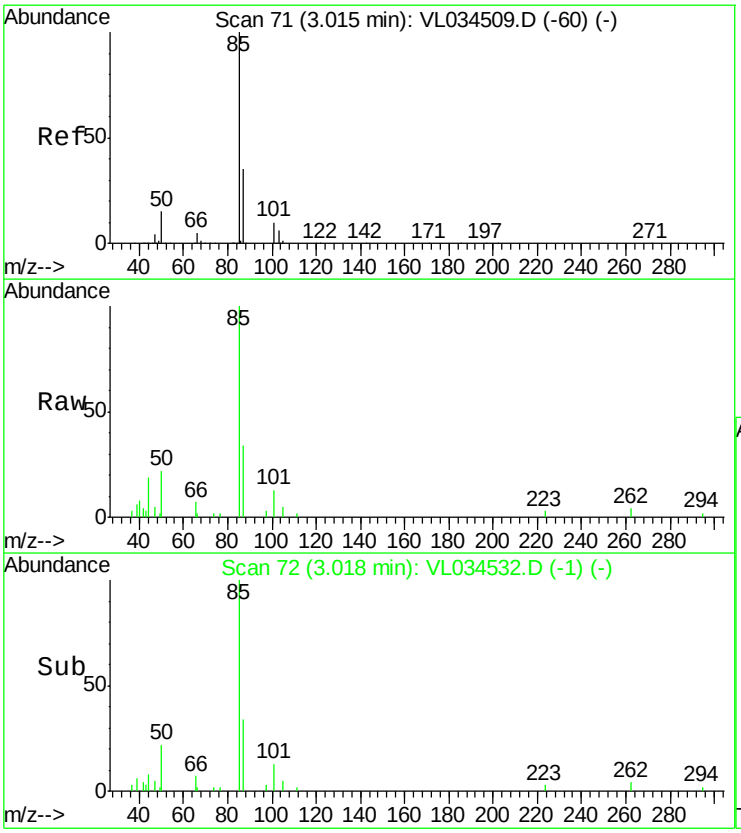
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument :
MSVOA_L
ClientSampleId :
27-2DL

Tgt Ion: 49 Resp: 981596

Ion	Ratio	Lower	Upper
49	100		
128	43.7	22.4	67.2
130	55.6	28.3	85.0

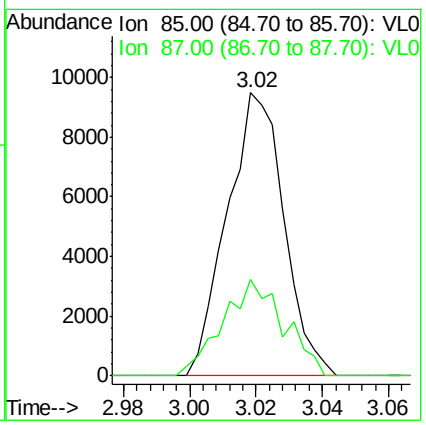


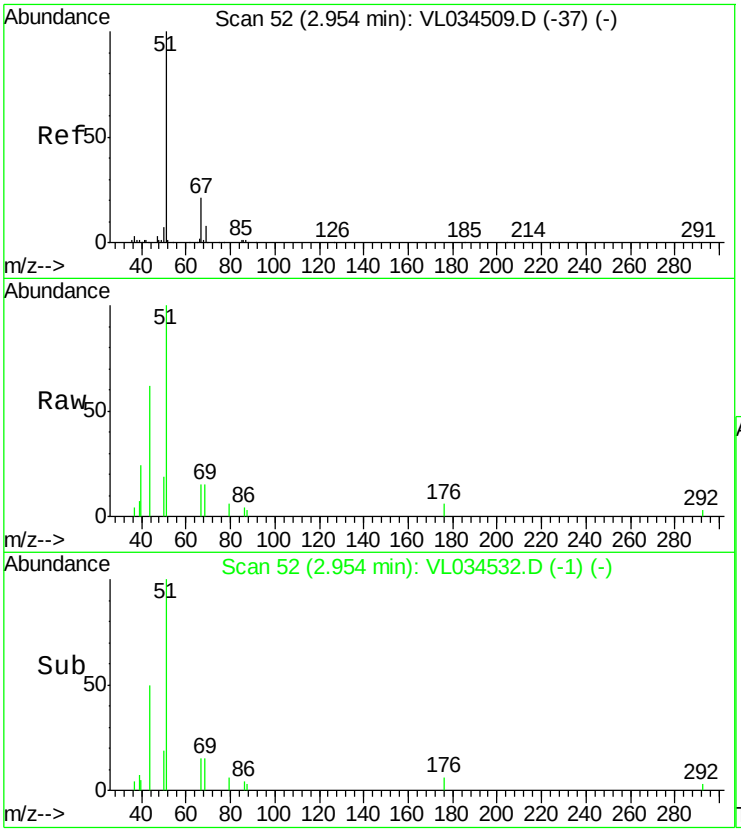


#2
Dichlorodifluoromethane
Concen: 0.073 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 85 Resp: 11297

Ion	Ratio	Lower	Upper
85	100		
87	34.0	27.9	41.9



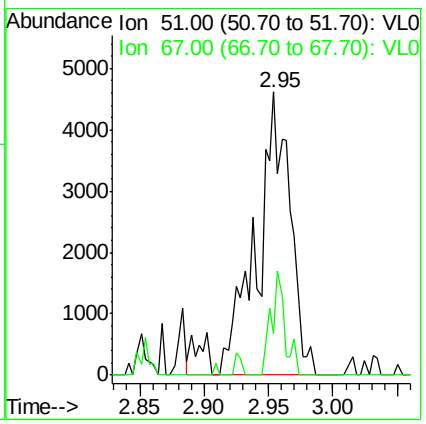


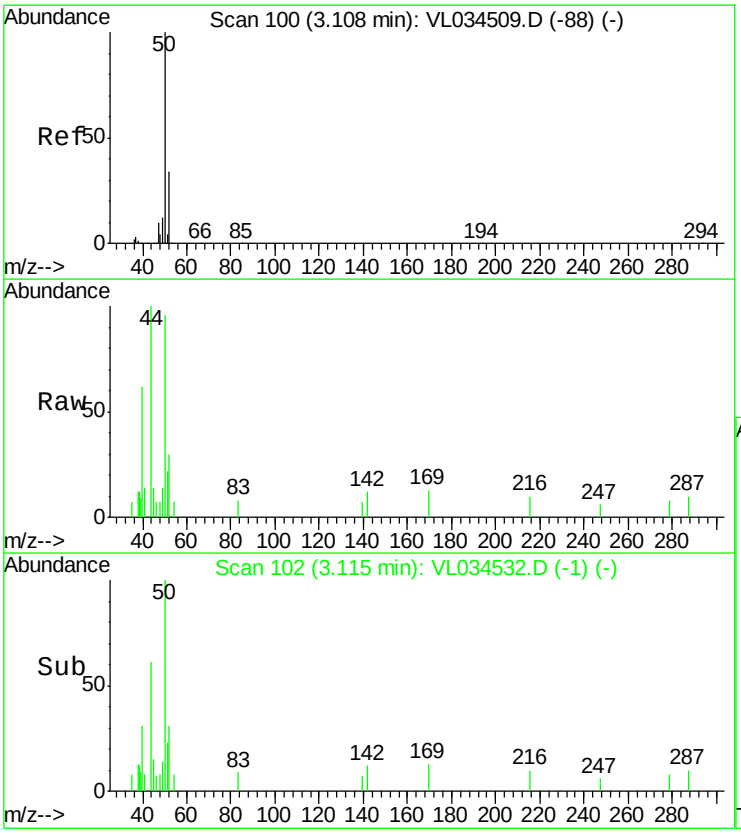
#3
Chlorodifluoromethane
Concen: 0.074 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument :
MSVOA_L
ClientSampleId :
27-2DL

Tgt Ion: 51 Resp: 8688

Ion	Ratio	Lower	Upper
51	100		
67	14.4	16.8	25.2#

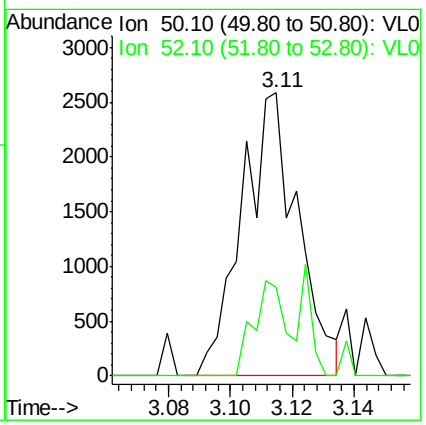


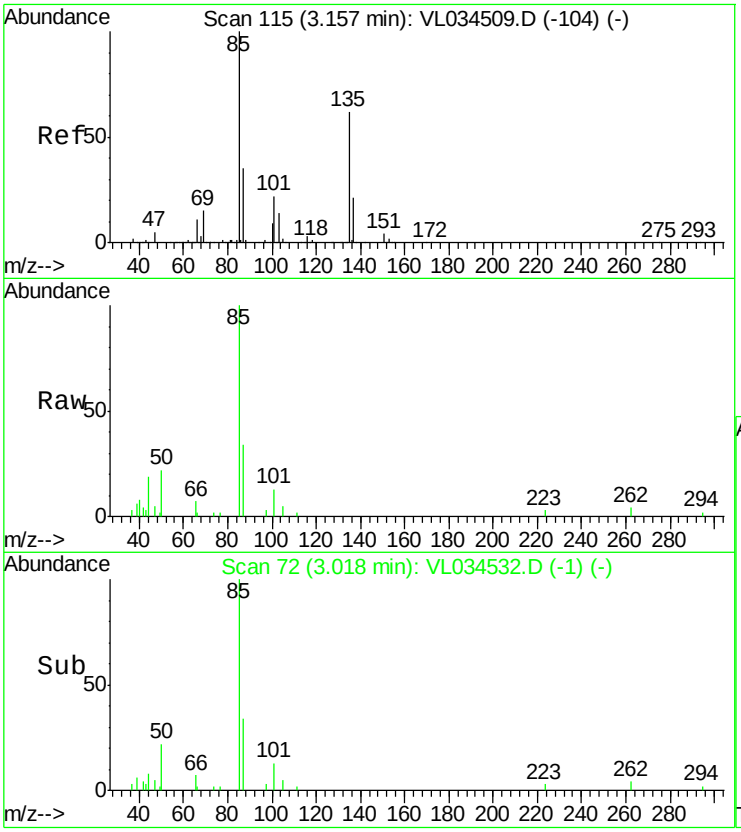


#4
Chloromethane
Concen: 0.046 ppbv
RT: 3.11 min Scan# 102
Delta R.T. 0.01 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 50 Resp: 3229

Ion	Ratio	Lower	Upper
50	100		
52	31.3	27.6	41.4



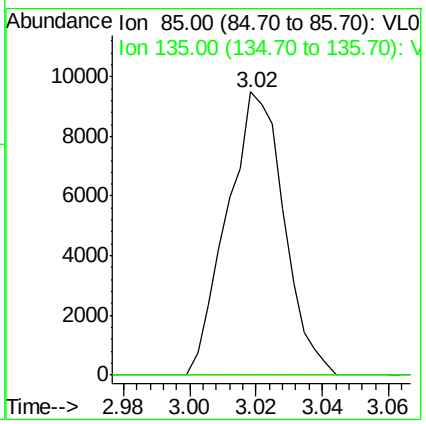


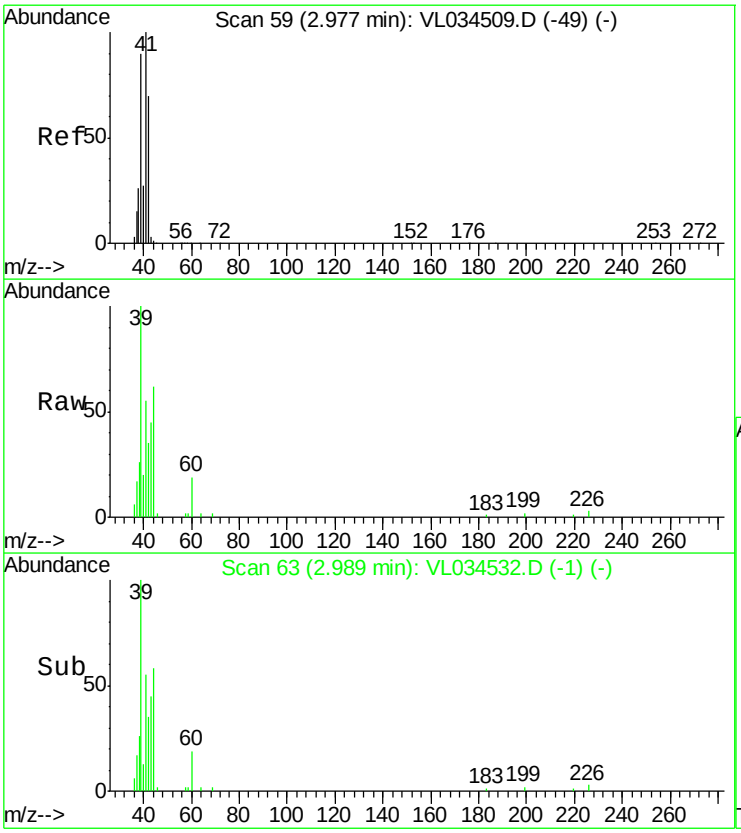
#8
Dichlorotetrafluoroethane
Concen: 0.073 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.14 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument :
MSVOA_L
ClientSampleId :
27-2DL

Tgt Ion: 85 Resp: 11297

Ion	Ratio	Lower	Upper
85	100		
135	2.3	51.8	77.8#

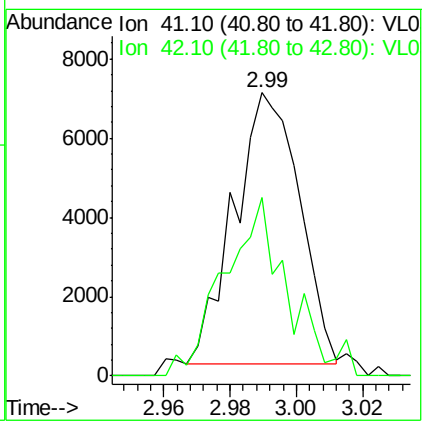


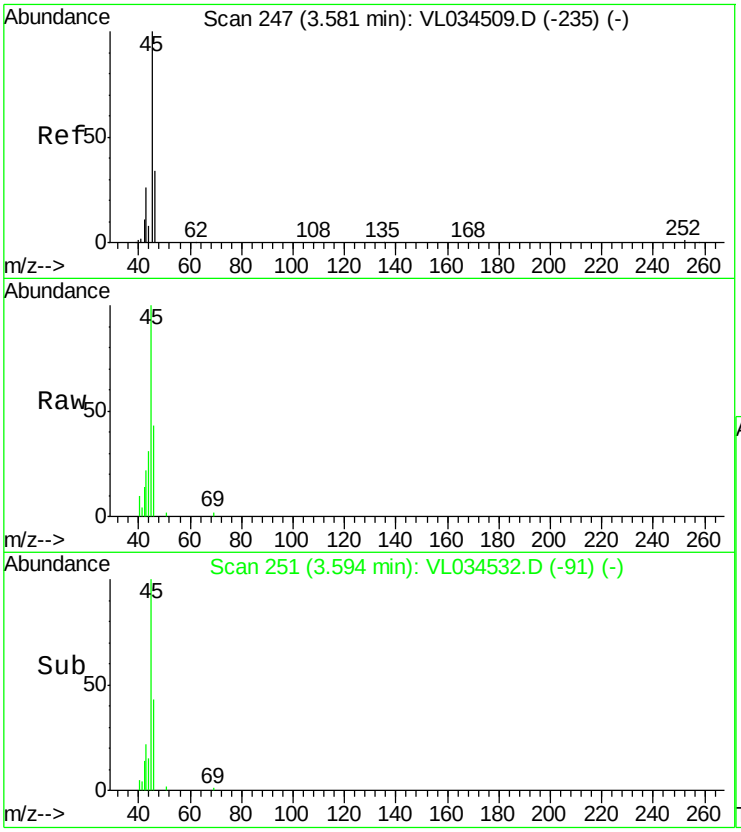


#9
Propene
Concen: 0.208 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 41 Resp: 9401

Ion	Ratio	Lower	Upper
41	100		
42	64.7	55.8	83.6



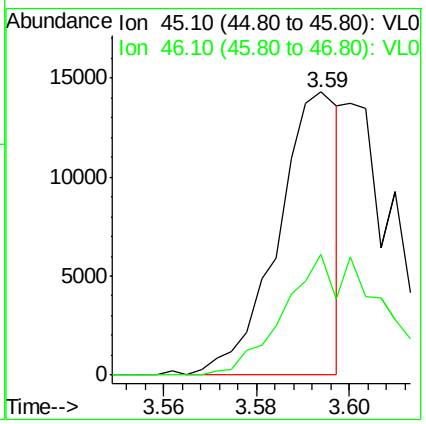


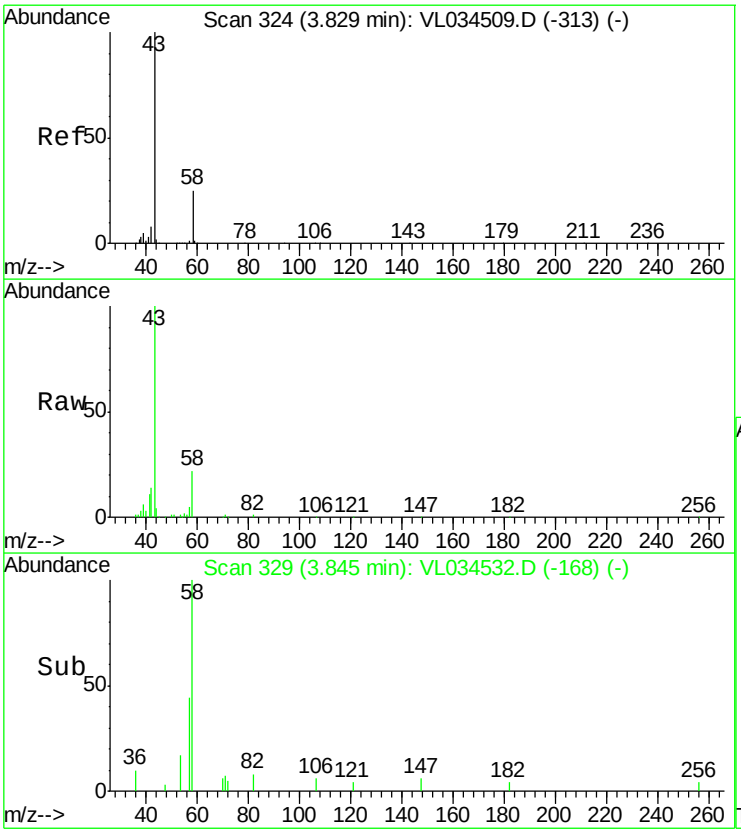
#13
Ethanol
Concen: 1.046 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument :
MSVOA_L
ClientSampleId :
27-2DL

Tgt Ion: 45 Resp: 13083

Ion	Ratio	Lower	Upper
45	100		
46	74.4	14.9	59.7#

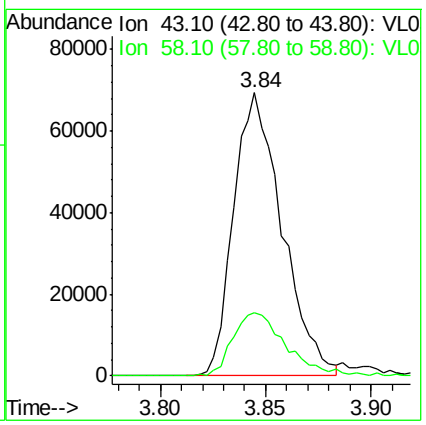


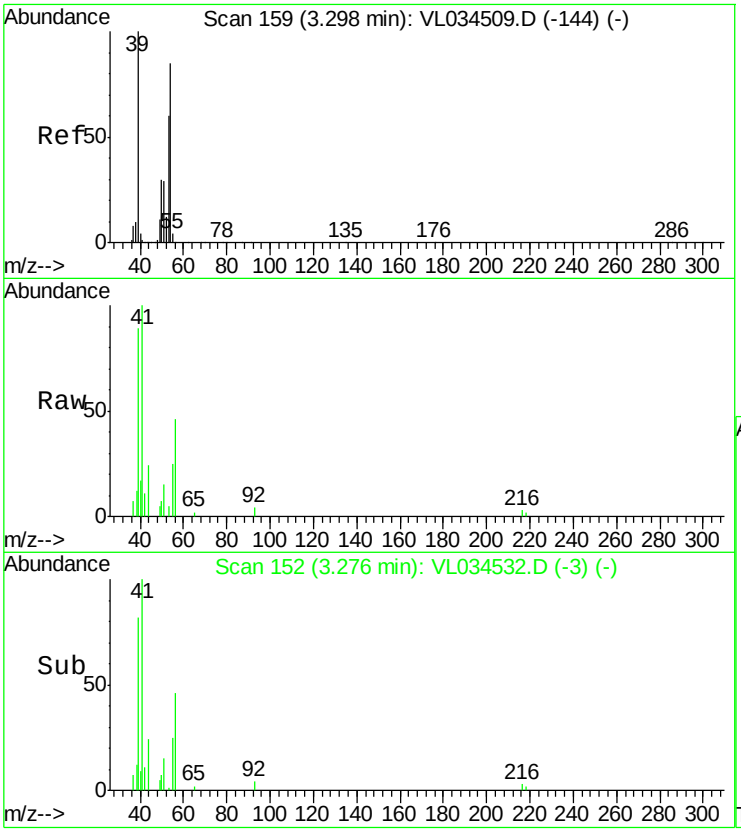


#15
Acetone
Concen: 0.772 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.02 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 43 Resp: 110588

Ion	Ratio	Lower	Upper
43	100		
58	24.8	20.4	30.6



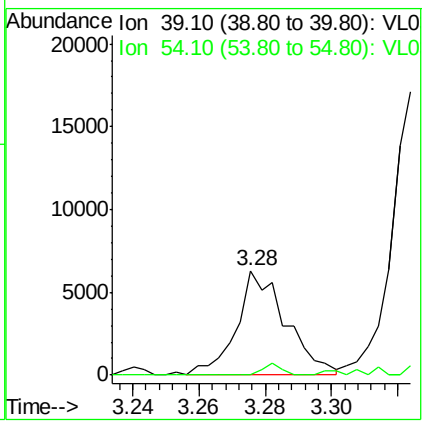


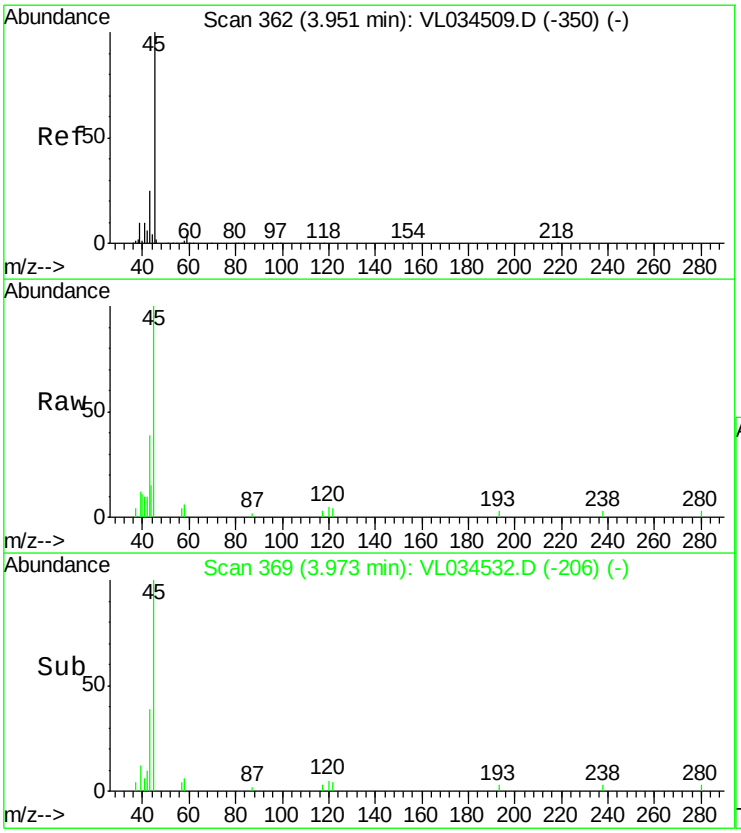
#16
1,3-Butadiene
Concen: 0.119 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.02 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument : MSVOA_L
ClientSampleId : 27-2DL

Tgt Ion: 39 Resp: 6545

Ion	Ratio	Lower	Upper
39	100		
54	4.1	66.2	99.2#

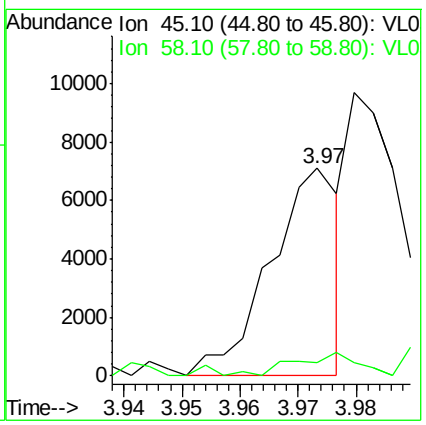


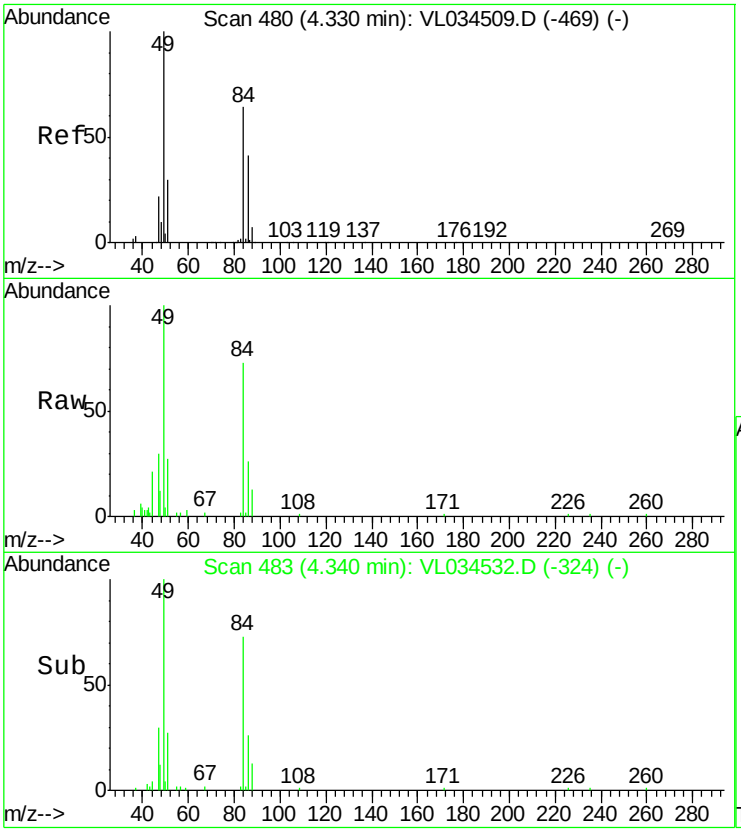


#19
Isopropyl Alcohol
Concen: 0.063 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 45 Resp: 5842

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#



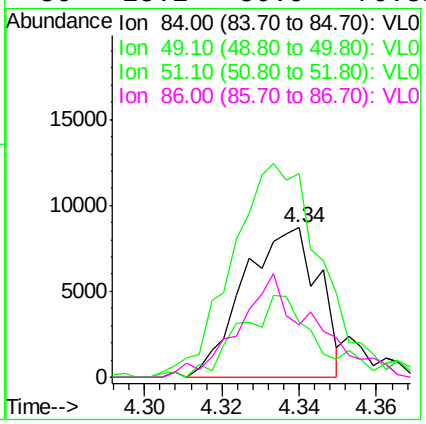


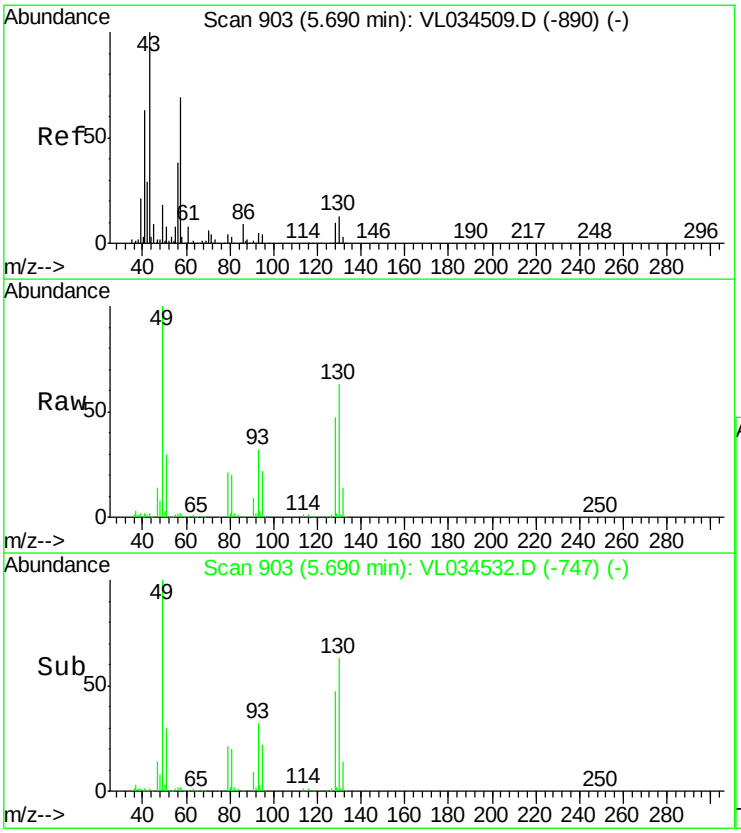
#20
Methylene Chloride
Concen: 0.207 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument : MSVOA_L
ClientSampleId : 27-2DL

Tgt Ion: 84 Resp: 11680

Ion	Ratio	Lower	Upper
84	100		
49	124.3	124.4	186.6#
51	37.3	37.0	55.6
86	25.2	50.9	76.3#

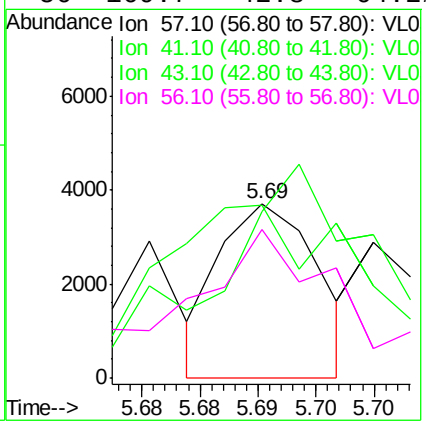


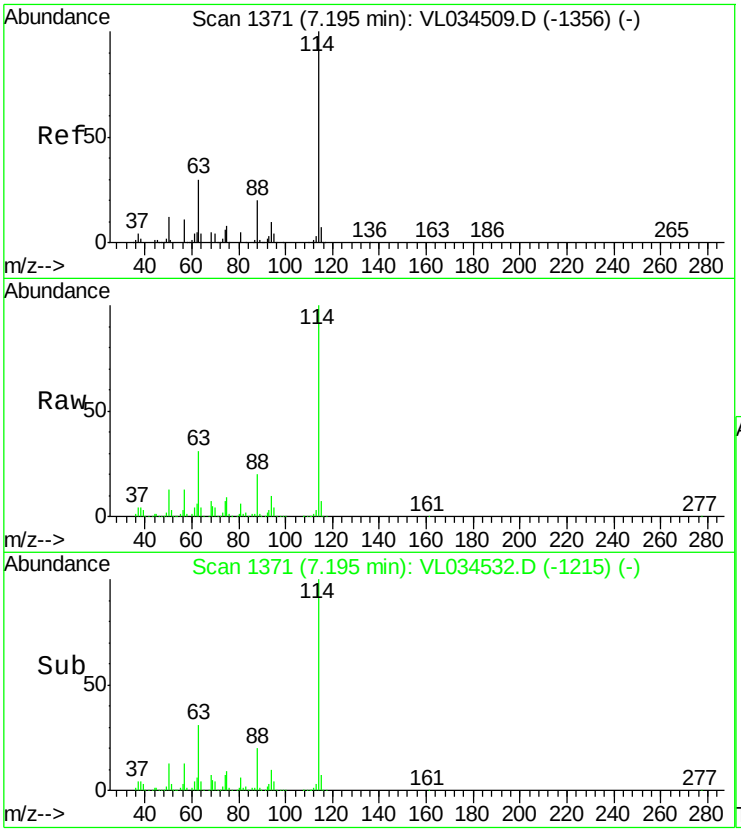


#26
Hexane
Concen: 0.023 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 57 Resp: 2195

Ion	Ratio	Lower	Upper
57	100		
41	258.5	75.3	112.9#
43	271.0	189.4	284.2
56	169.7	42.8	64.2#



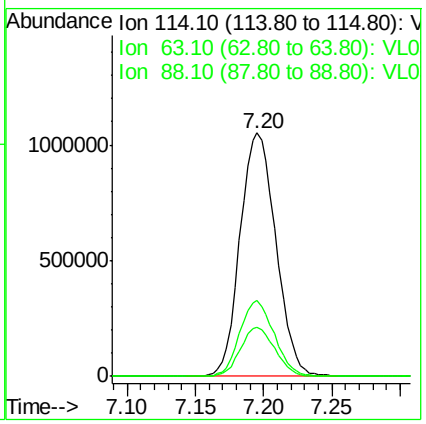


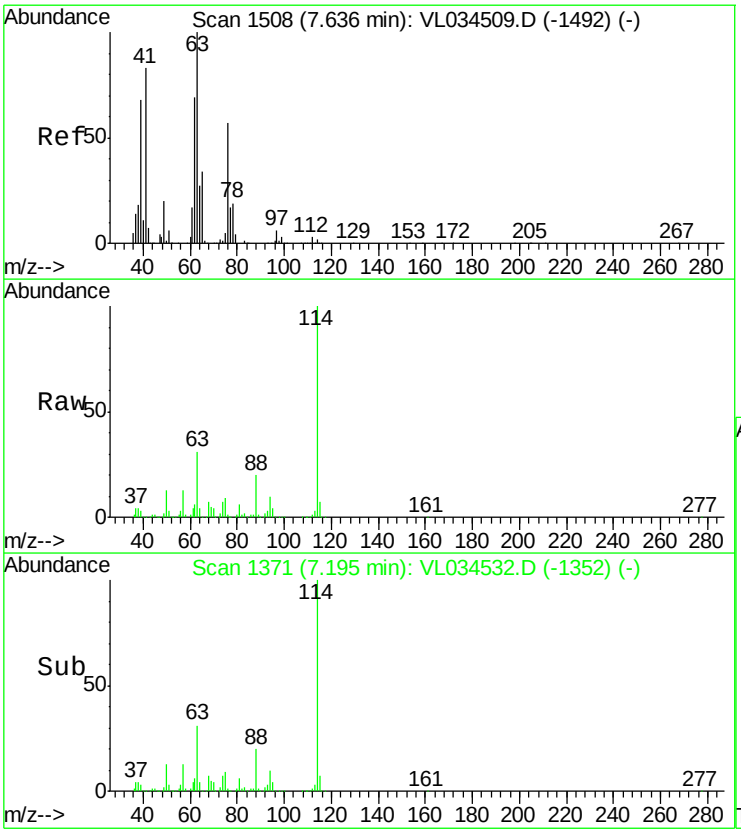
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument : MSVOA_L
ClientSampleId : 27-2DL

Tgt Ion:114 Resp: 1915261

Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	19.6	15.7	23.5

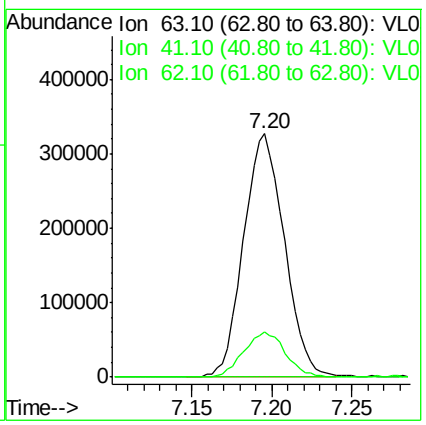


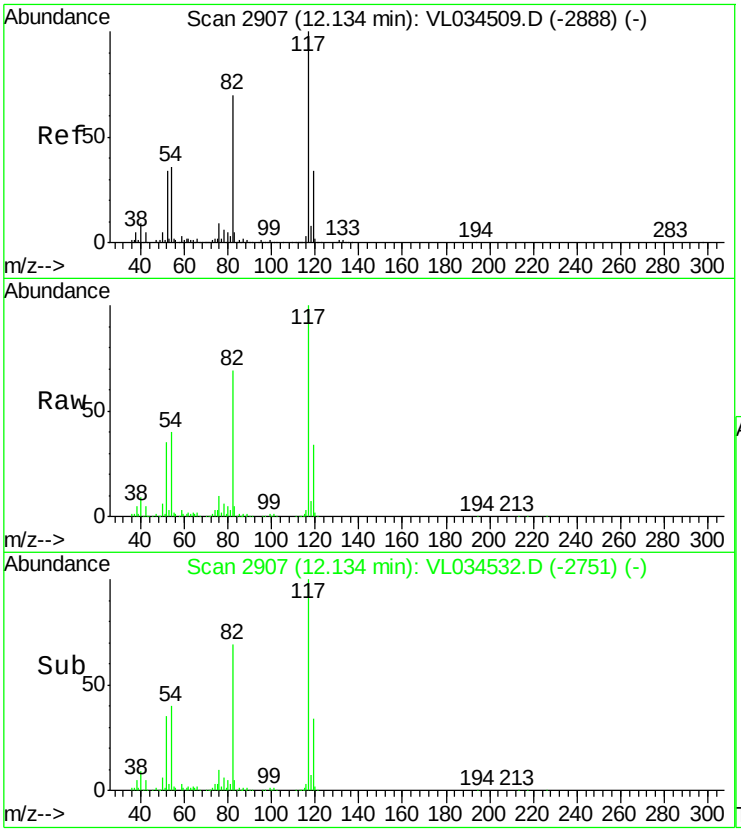


#39
1,2-Dichloropropane
Concen: 8.340 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.44 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 63 Resp: 572544

Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	18.4	54.9	82.3#



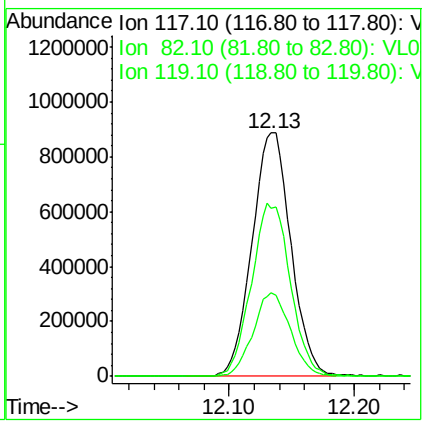


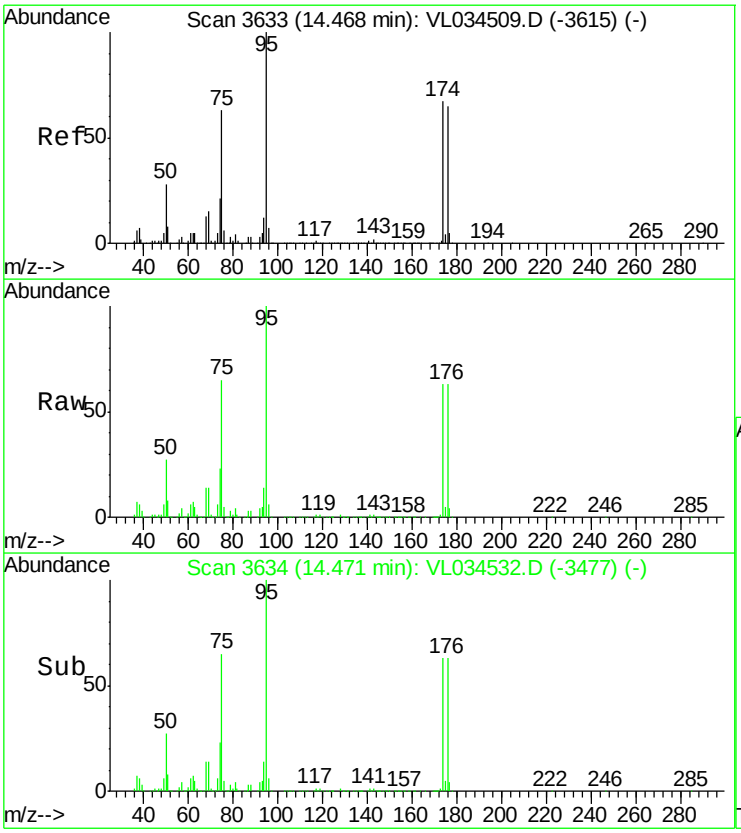
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Instrument : MSVOA_L
ClientSampleId : 27-2DL

Tgt Ion:117 Resp: 1906638

Ion	Ratio	Lower	Upper
117	100		
82	71.6	56.2	84.4
119	33.1	27.1	40.7





#68
1-Bromo-4-Fluorobenzene
Concen: 9.969 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.00 min
Lab File: VL034532.D
Acq: 31 Dec 2019 4:25

Tgt Ion: 95 Resp: 1586106

Ion	Ratio	Lower	Upper
95	100		
174	64.5	52.4	78.6
175	4.5	3.9	5.9