Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034259.D
Acq On : 8 Oct 2019 21:52
Operator : SY/AP
Sample : K5243-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1DUP

Quant Time: Oct 09 05:21:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	925884	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.21	114	1535066	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.15	117	1530966	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1395874	10.49	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	82212	0.601	ppbv		93
3) Chlorodifluoromethane	2.94	51	317594	2.925	ppbv	#	65
4) Chloromethane	3.12	50	32887	0.516	ppbv		91
9) Propene	3.19	41	72974	1.362	ppbv		98
11) Trichlorofluoromethane	3.95	101	17500	0.141	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	6797	0.083	ppbv		85
13) Ethanol	3.60	45	126376	9.744	ppbv		97
15) Acetone	3.84	43	306922	2.473	ppbv		98
19) Isopropyl Alcohol	3.98	45	109634	1.437	ppbv	#	96
20) Methylene Chloride	4.35	84	43664	1.220	ppbv	#	86
23) Vinyl Acetate	5.08	43	5690	0.031	ppbv	#	38
25) Ethyl Acetate	5.70	43	43924	0.187	ppbv	#	90
26) Hexane	5.71	57	75743	0.776	ppbv	#	43
35) Carbon Tetrachloride	7.05	117	5752	0.045	ppbv	#	42
36) Benzene	6.92	78	17574	0.104	ppbv	#	89
39) 1,2-Dichloropropane	7.21	63	514196	6.750	ppbv	#	20
44) 2,2,4-Trimethylpentane	7.91	57	12952	0.040	ppbv	#	16
53) Toluene	9.86	91	104713	0.565	ppbv		92
74) 1,2,4-Trimethylbenzene	16.84	105	12230	0.052	ppbv	#	61

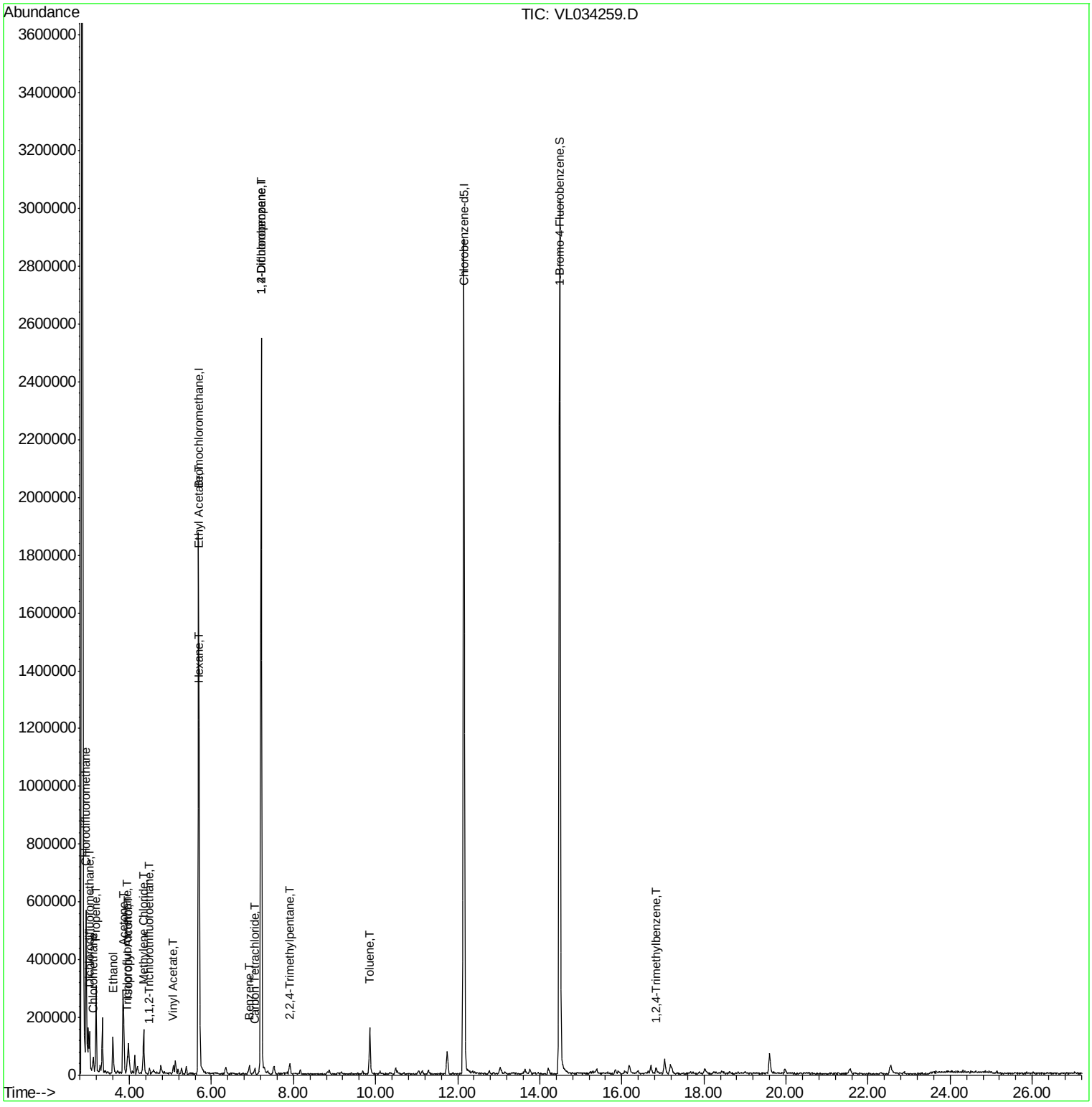
(#) = qualifier out of range (m) = manual integration (+) = signals summed

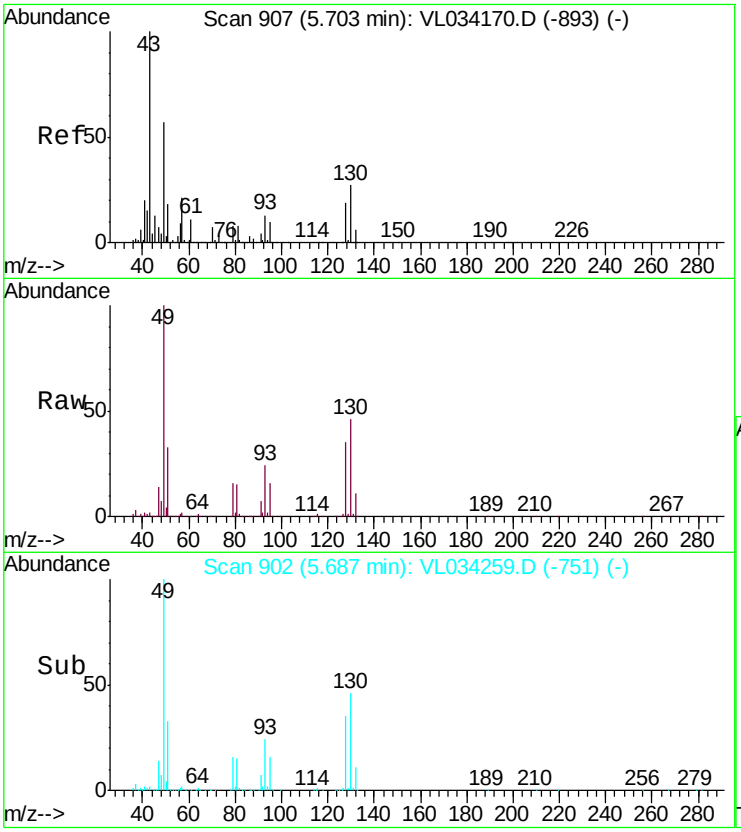
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034259.D
Acq On : 8 Oct 2019 21:52
Operator : SY/AP
Sample : K5243-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1DUP

Quant Time: Oct 09 05:21:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



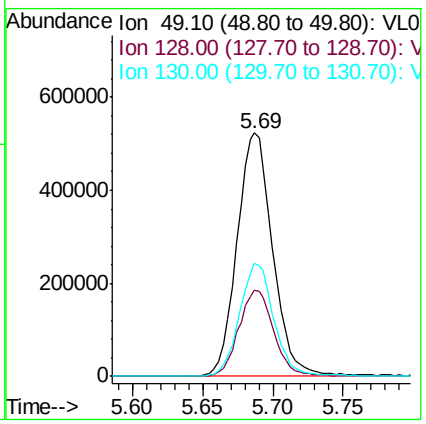


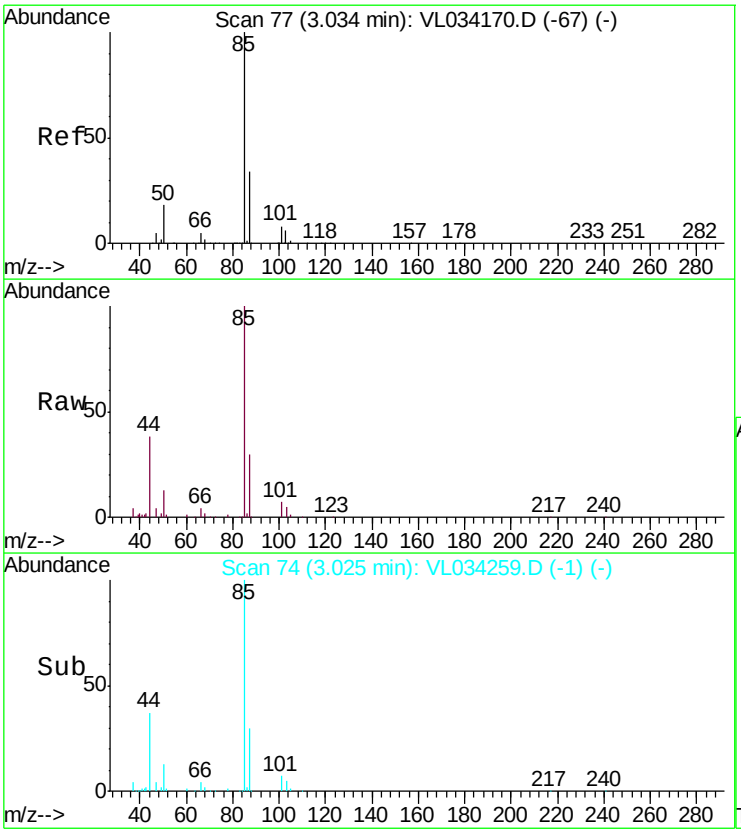
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 49 Resp: 925884

Ion	Ratio	Lower	Upper
49	100		
128	35.2	17.6	52.9
130	45.0	22.3	66.9

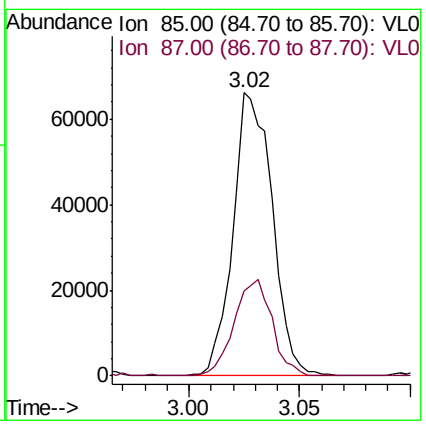


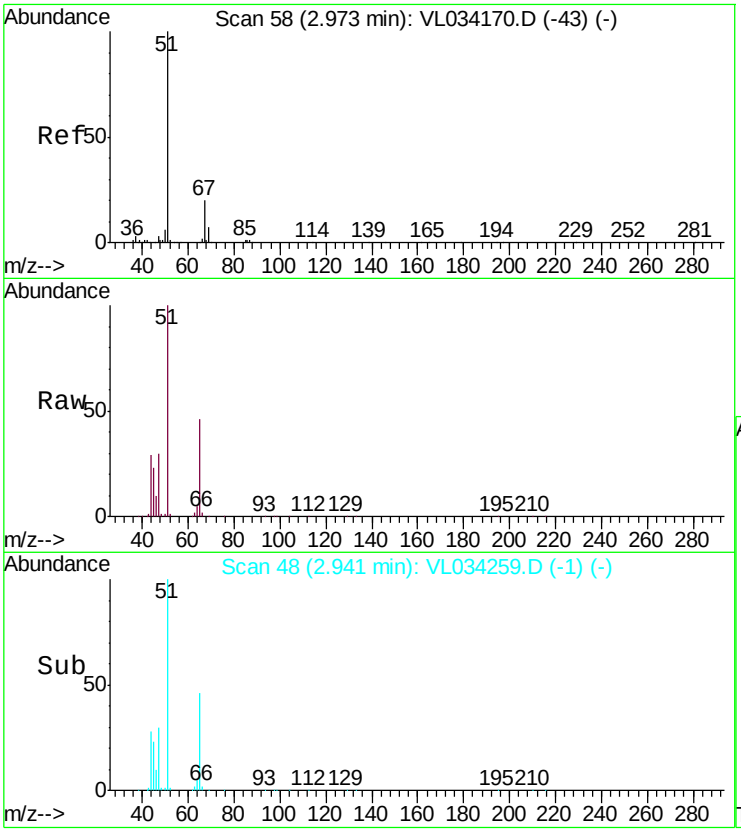


#2
Dichlorodifluoromethane
Concen: 0.601 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 85 Resp: 82212

Ion	Ratio	Lower	Upper
85	100		
87	29.9	27.2	40.8



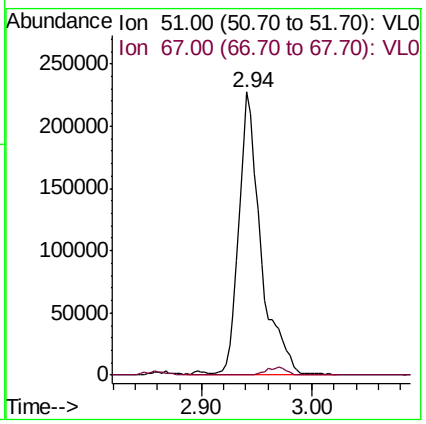


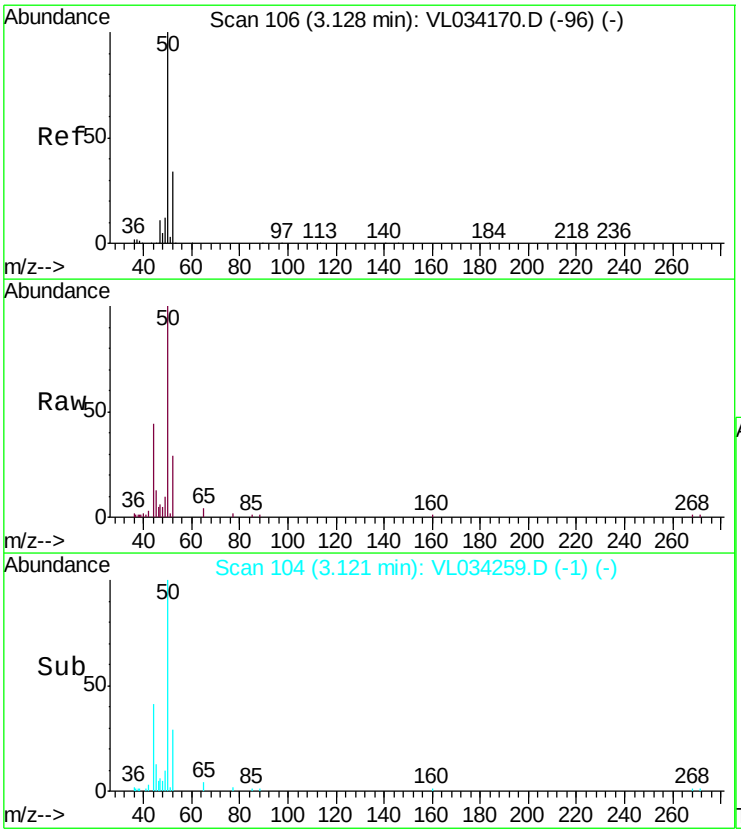
#3
Chlorodifluoromethane
Concen: 2.925 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.03 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 51 Resp: 317594

Ion	Ratio	Lower	Upper
51	100		
67	2.7	14.8	22.2#

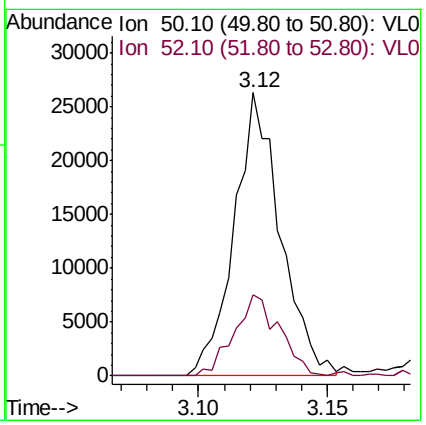


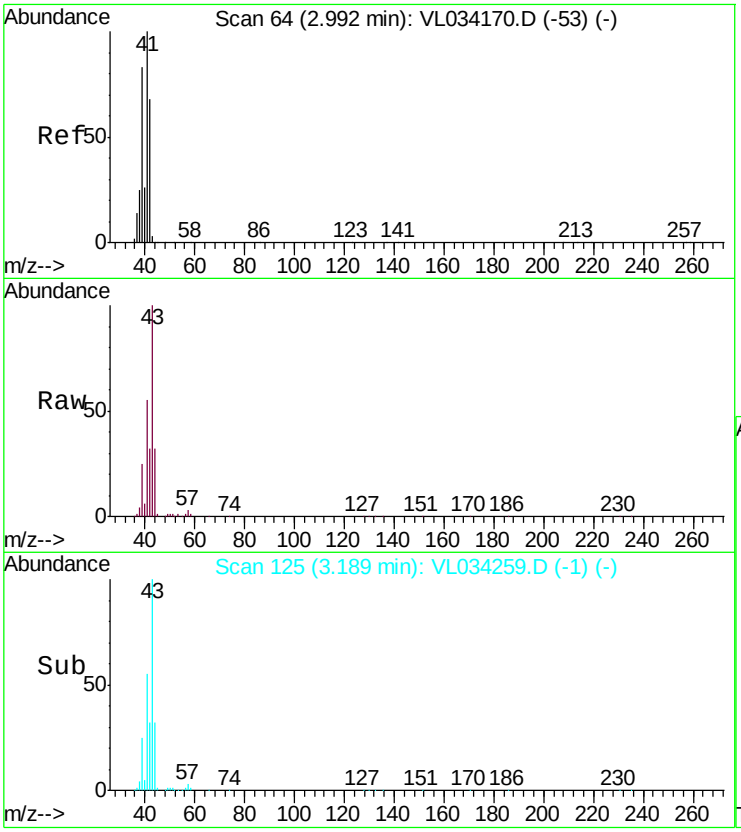


#4
Chloromethane
Concen: 0.516 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 50 Resp: 32887

Ion	Ratio	Lower	Upper
50	100		
52	28.9	27.1	40.7



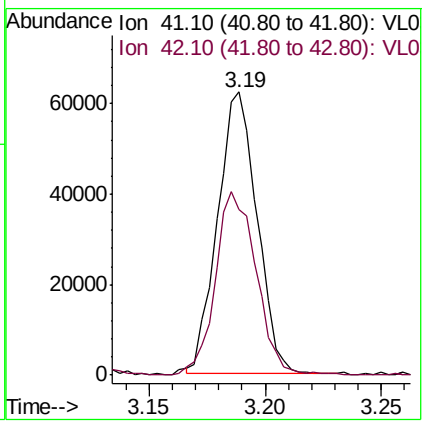


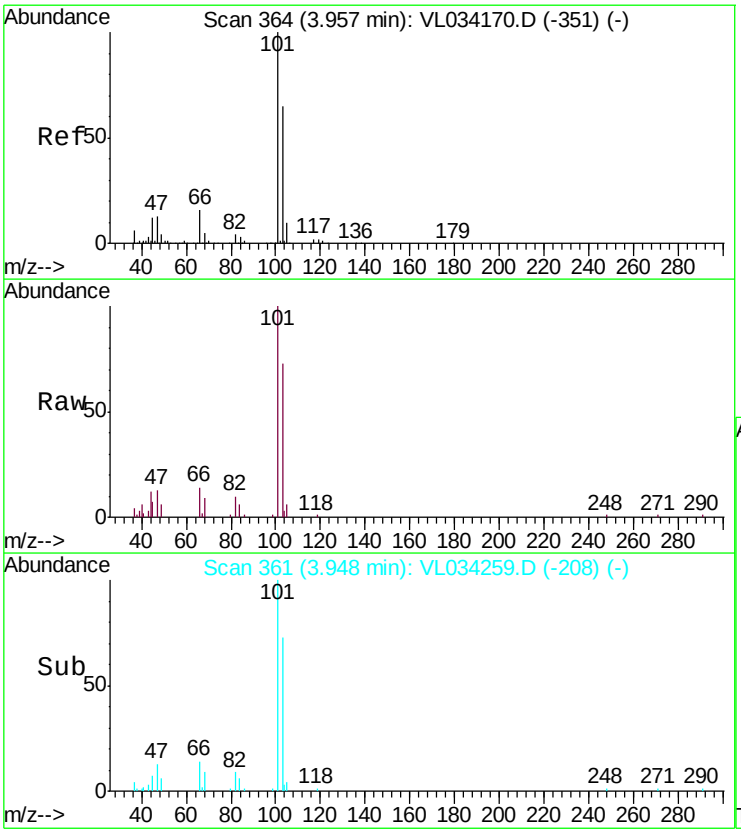
#9
Propene
Concen: 1.362 ppbv
RT: 3.19 min Scan# 125
Delta R.T. 0.20 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 41 Resp: 72974

Ion	Ratio	Lower	Upper
41	100		
42	68.3	55.8	83.6

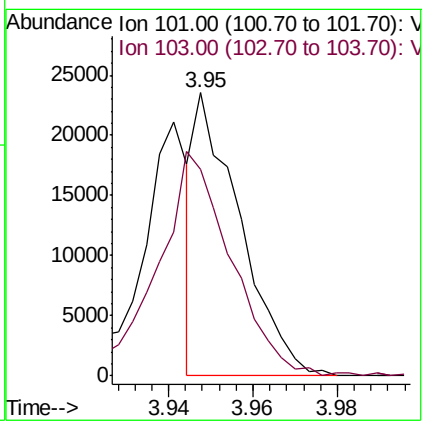


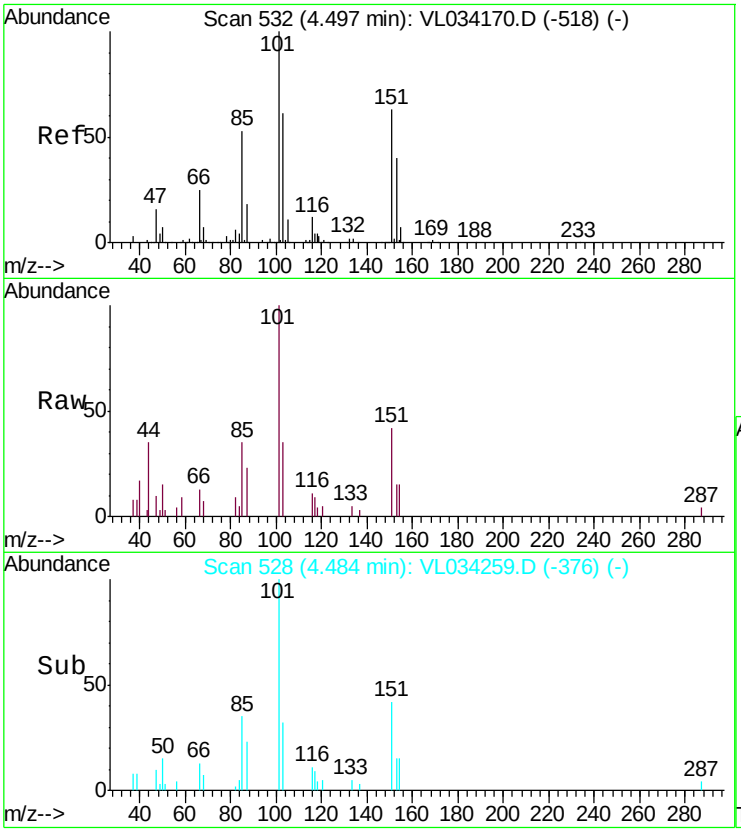


#11
Trichlorofluoromethane
Concen: 0.141 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion:101 Resp: 17500

Ion	Ratio	Lower	Upper
101	100		
103	71.8	52.1	78.1



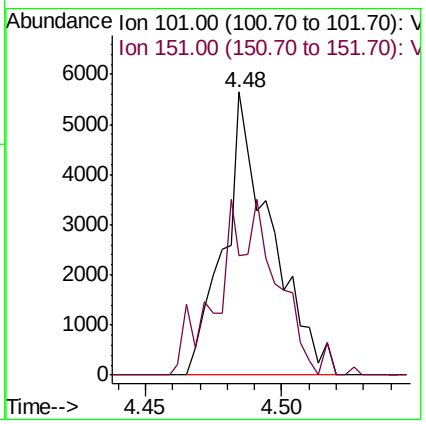


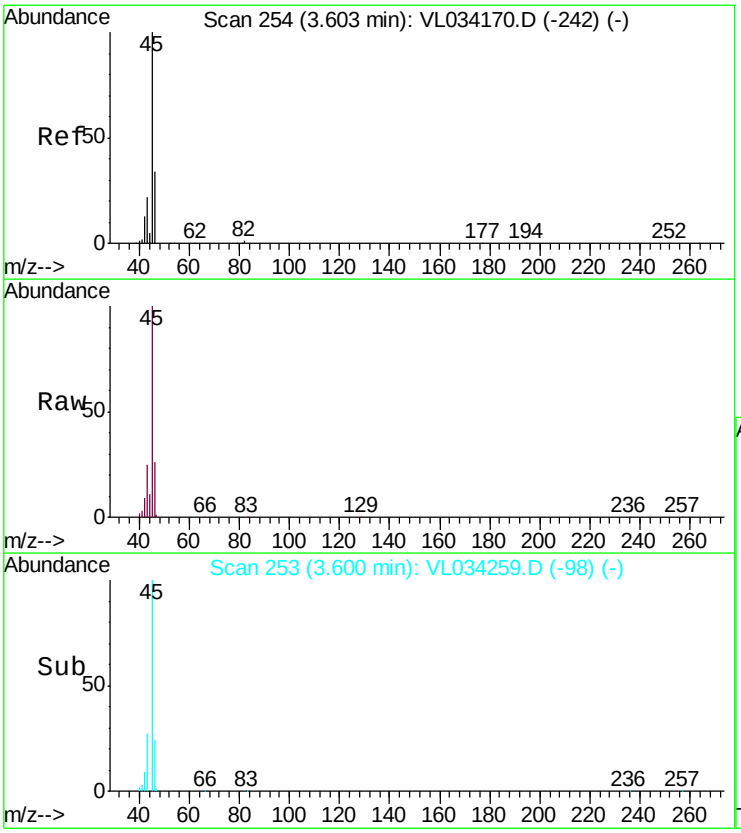
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.083 ppbv
RT: 4.48 min Scan# 528
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion:101 Resp: 6797

Ion	Ratio	Lower	Upper
101	100		
151	76.9	51.8	77.8

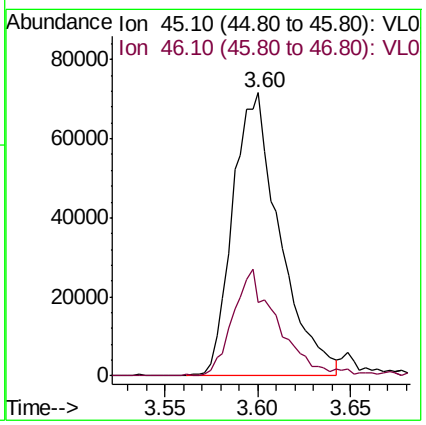


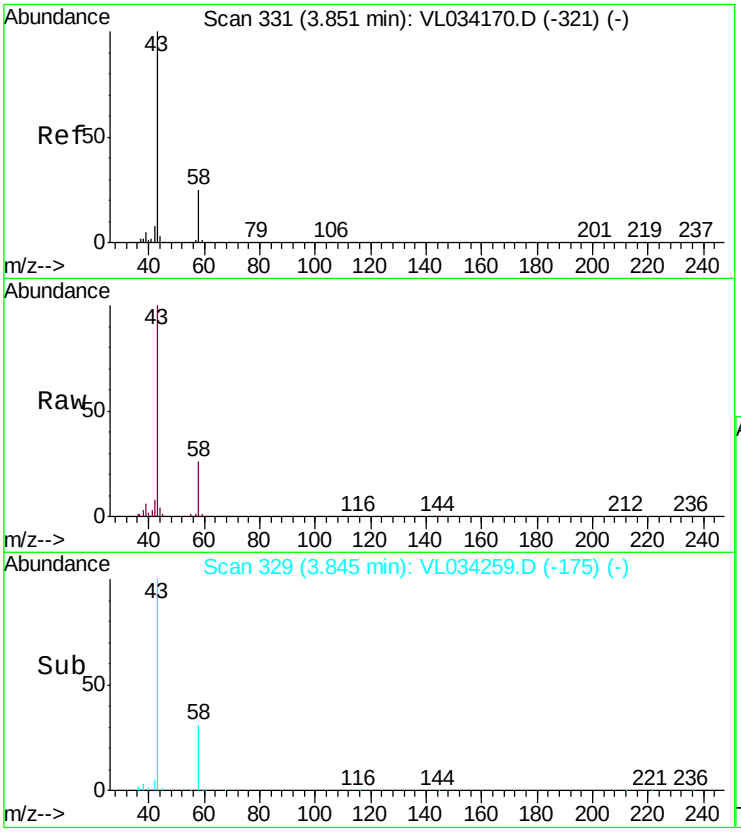


#13
Ethanol
Concen: 9.744 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 45 Resp: 126376

Ion	Ratio	Lower	Upper
45	100		
46	36.8	15.5	61.9



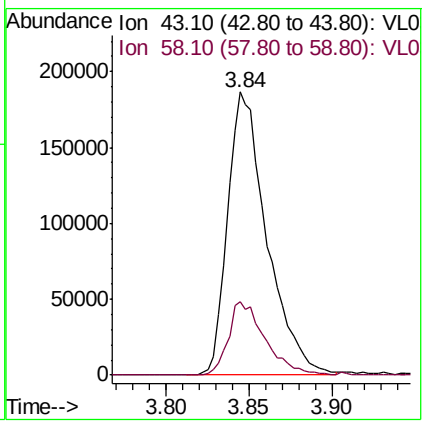


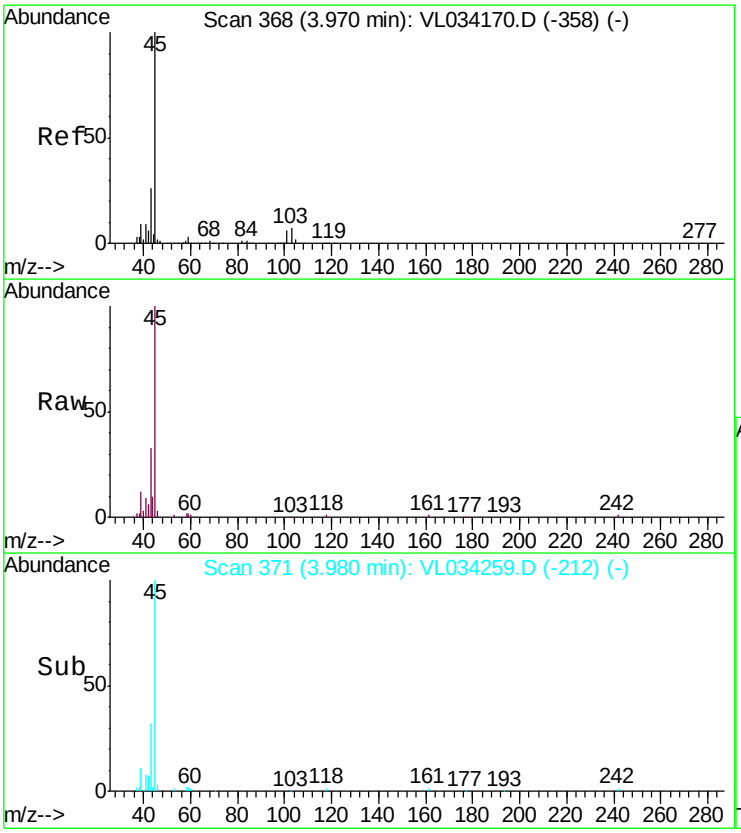
#15
Acetone
Concen: 2.473 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument : MSVOA_L
ClientSampleId : OA1DUP

Tgt Ion: 43 Resp: 306922

Ion	Ratio	Lower	Upper
43	100		
58	24.8	20.5	30.7

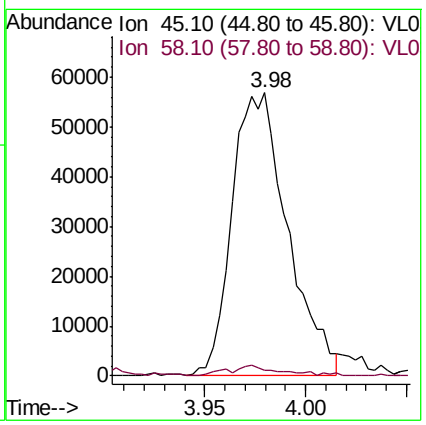


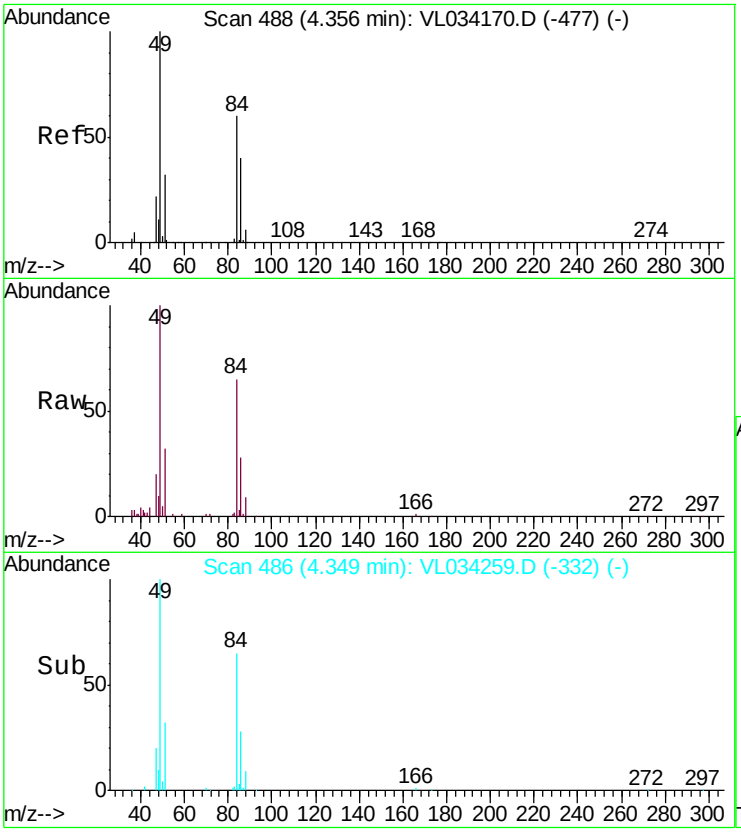


#19
Isopropyl Alcohol
Concen: 1.437 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 45 Resp: 109634

Ion	Ratio	Lower	Upper
45	100		
58	3.0	1.4	2.0#



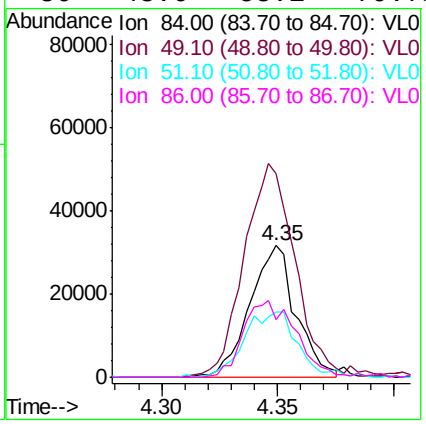


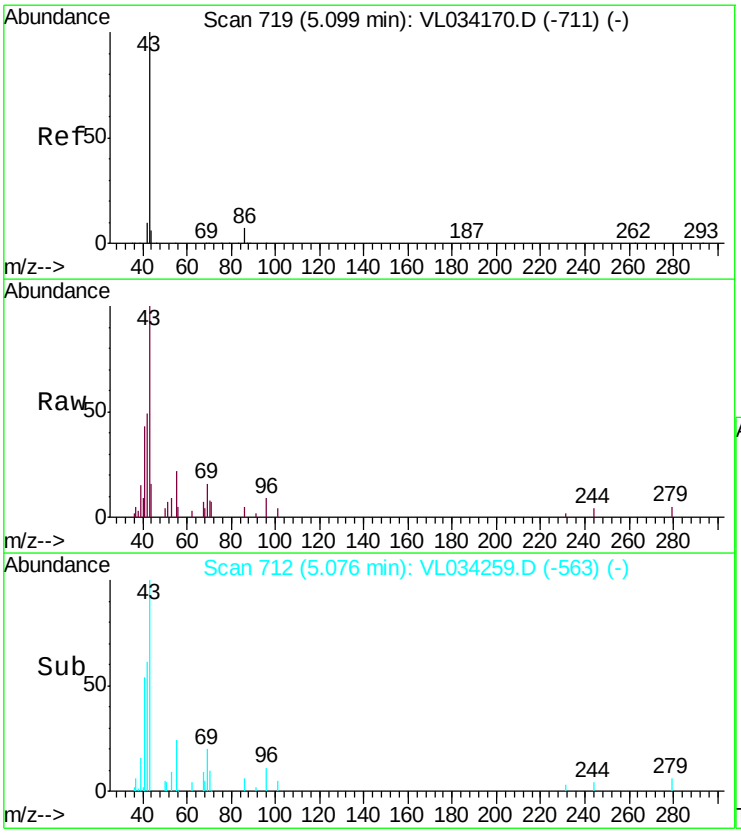
#20
Methylene Chloride
Concen: 1.220 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument : MSVOA_L
ClientSampleId : OA1DUP

Tgt Ion: 84 Resp: 43664

Ion	Ratio	Lower	Upper
84	100		
49	154.0	133.8	200.8
51	48.4	43.6	65.4
86	43.6	53.1	79.7#

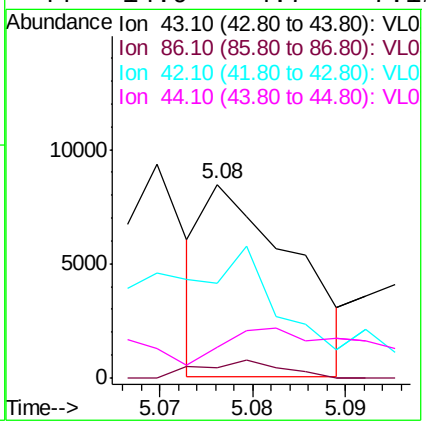


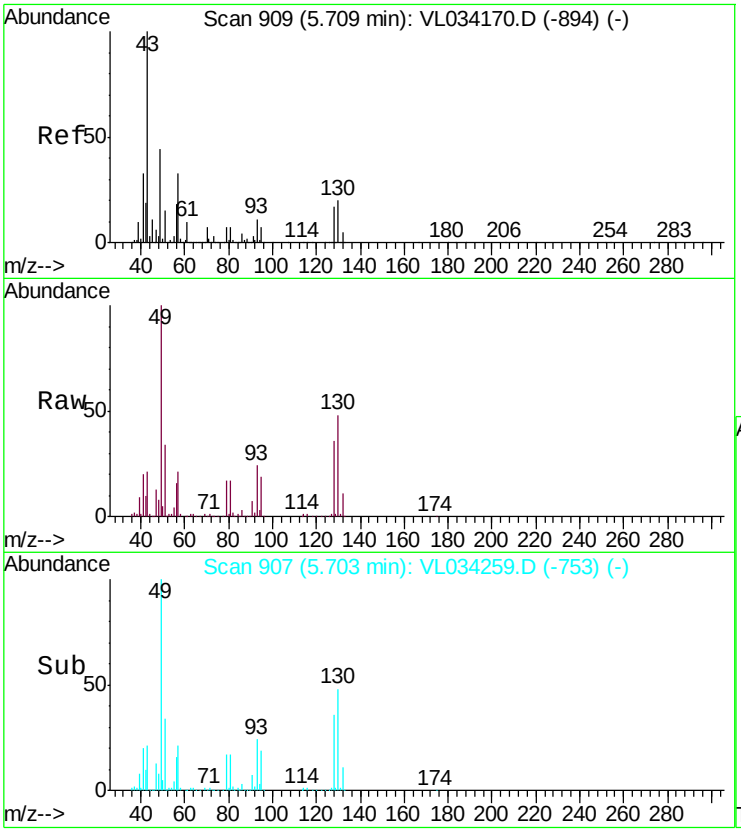


#23
Vinyl Acetate
Concen: 0.031 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 43 Resp: 5690

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.1	7.7#
42	54.5	8.6	12.8#
44	14.9	4.7	7.1#



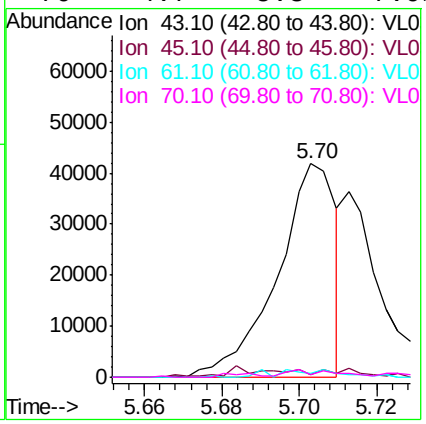


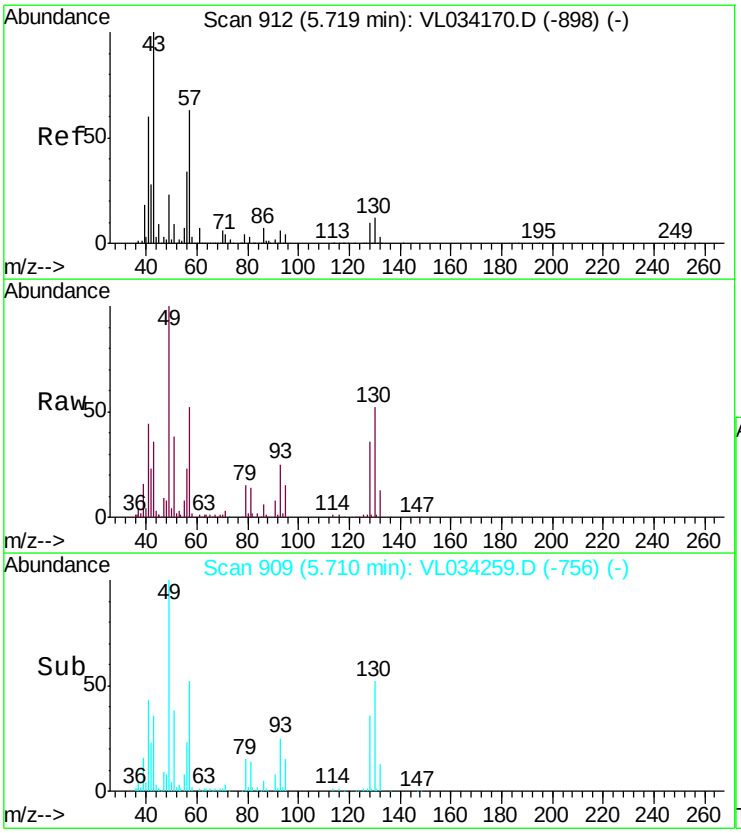
#25
Ethyl Acetate
Concen: 0.187 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument : MSVOA_L
ClientSampleId : OA1DUP

Tgt Ion: 43 Resp: 43924

Ion	Ratio	Lower	Upper
43	100		
45	7.4	8.4	12.6#
61	4.0	7.2	10.8#
70	4.7	5.3	7.9#

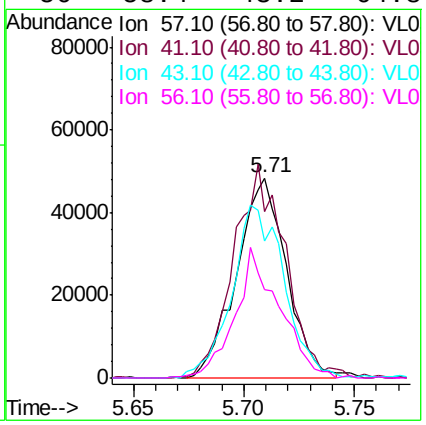


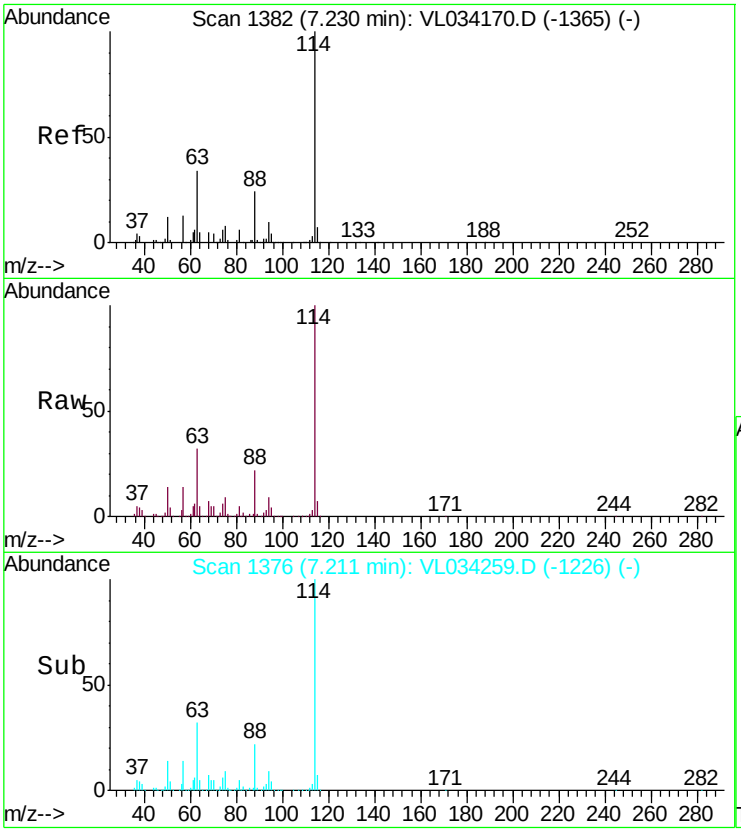


#26
Hexane
Concen: 0.776 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 57 Resp: 75743

Ion	Ratio	Lower	Upper
57	100		
41	110.8	78.5	117.7
43	91.6	189.5	284.3#
56	58.4	43.2	64.8



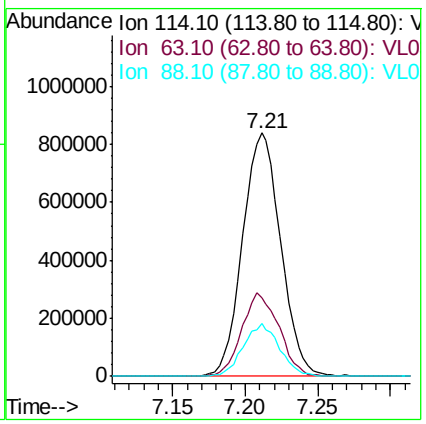


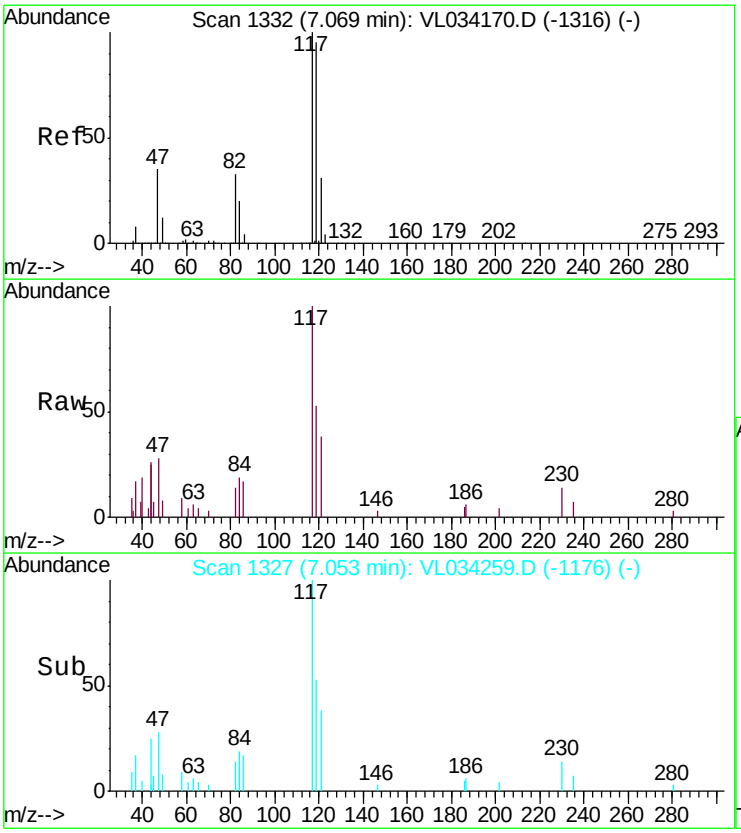
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion:114 Resp: 1535066

Ion	Ratio	Lower	Upper
114	100		
63	33.6	27.8	41.6
88	21.0	17.1	25.7

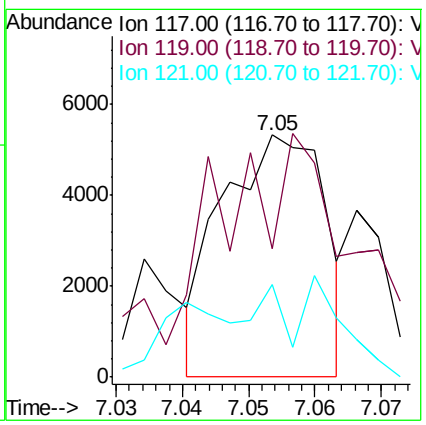


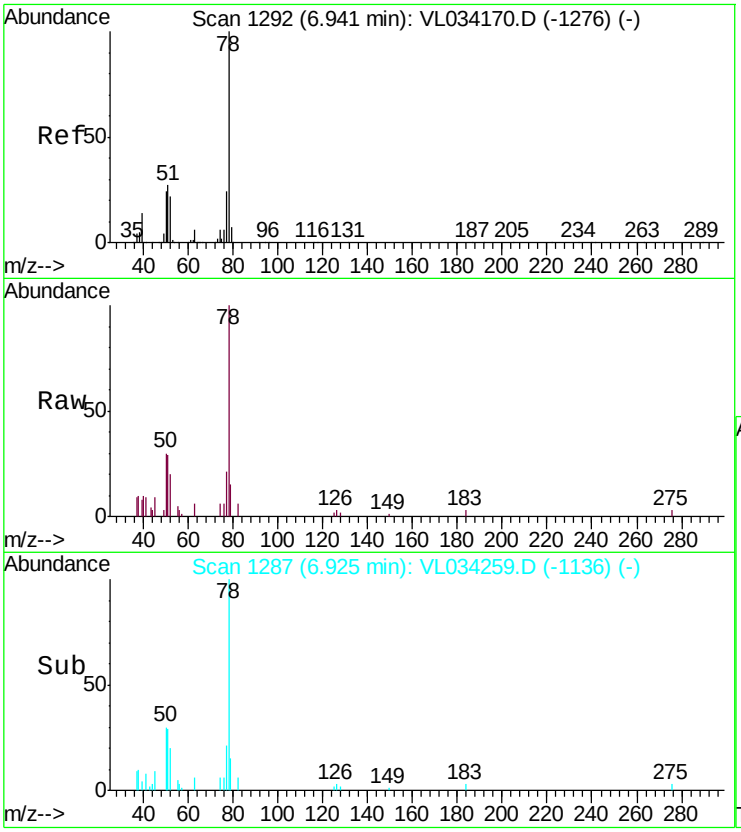


#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion:117 Resp: 5752

Ion	Ratio	Lower	Upper
117	100		
119	26.4	75.8	113.6#
121	19.5	25.0	37.6#



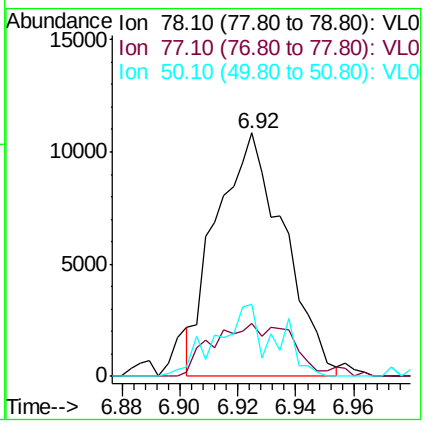


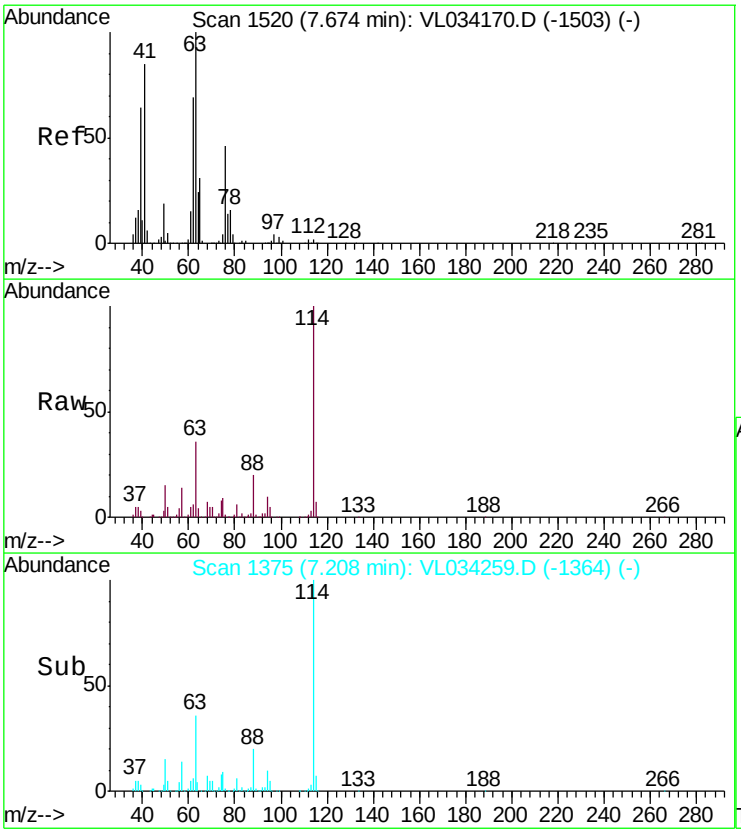
#36
Benzene
Concen: 0.104 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 78 Resp: 17574

Ion	Ratio	Lower	Upper
78	100		
77	20.3	19.0	28.4
50	30.8	18.9	28.3#

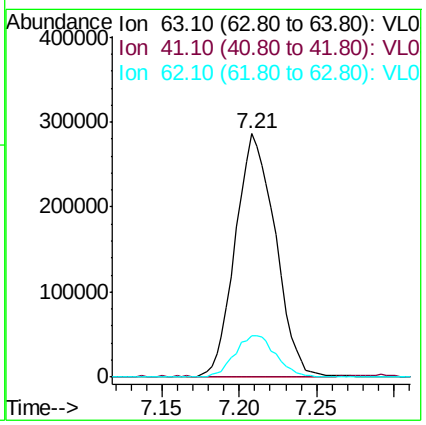


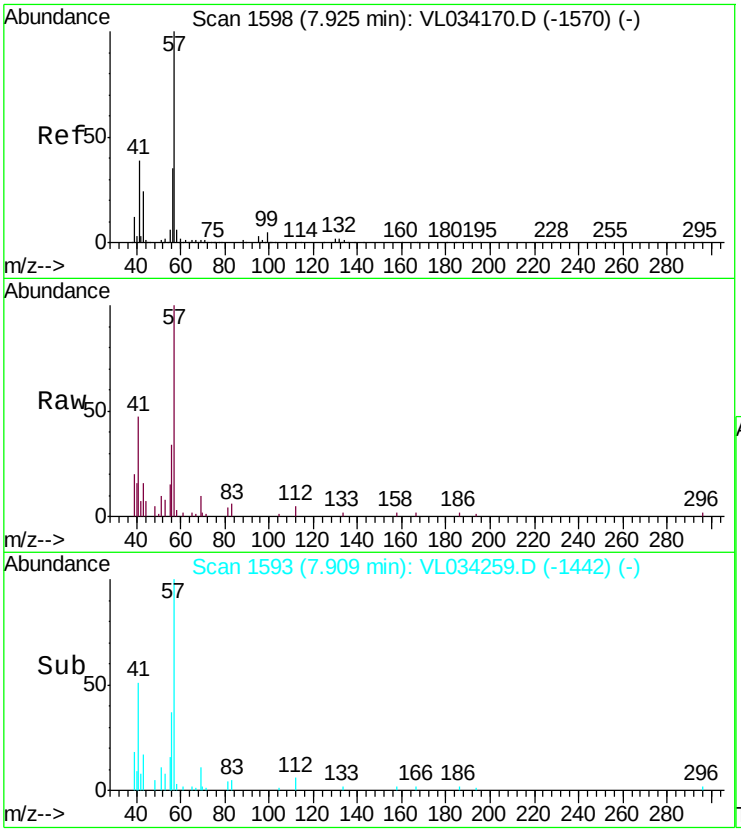


#39
1,2-Dichloropropane
Concen: 6.750 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.47 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 63 Resp: 514196

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.4	102.6#
62	16.9	55.4	83.2#



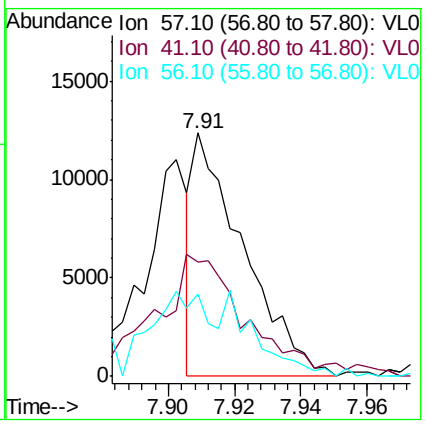


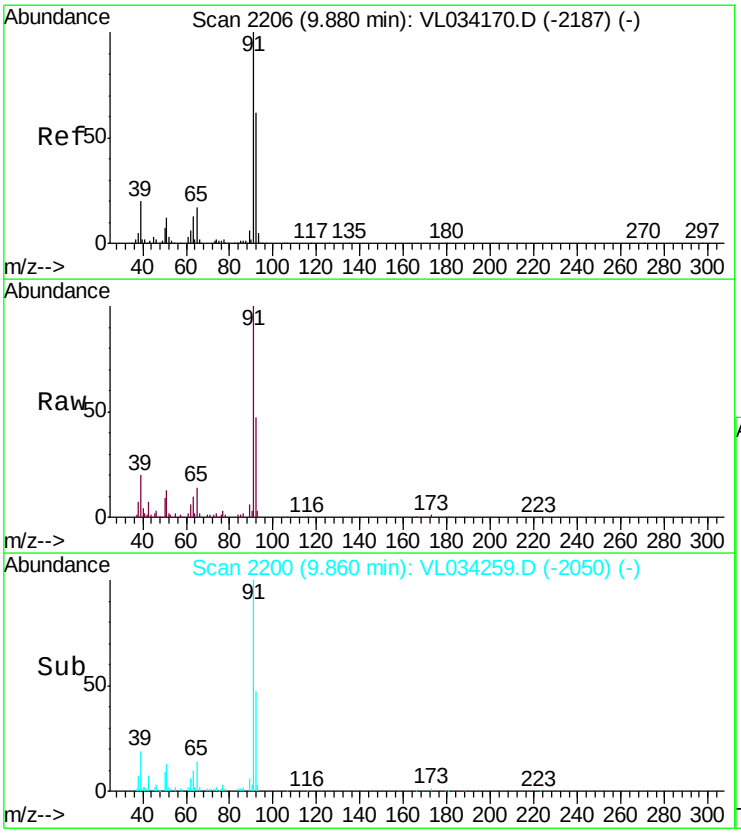
#44
2,2,4-Trimethylpentane
Concen: 0.040 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 57 Resp: 12952

Ion	Ratio	Lower	Upper
57	100		
41	97.4	29.8	44.6#
56	68.6	25.9	38.9#

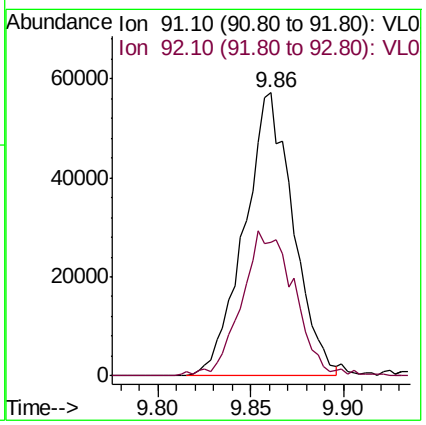


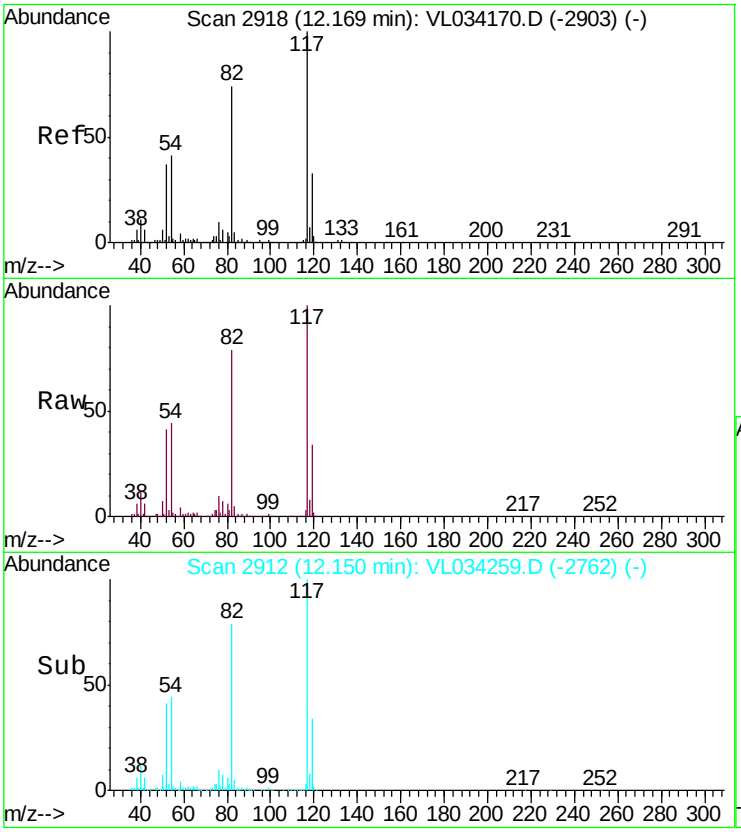


#53
Toluene
Concen: 0.565 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 91 Resp: 104713

Ion	Ratio	Lower	Upper
91	100		
92	55.3	49.0	73.6



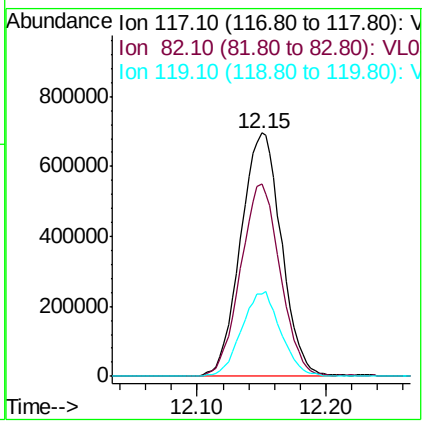


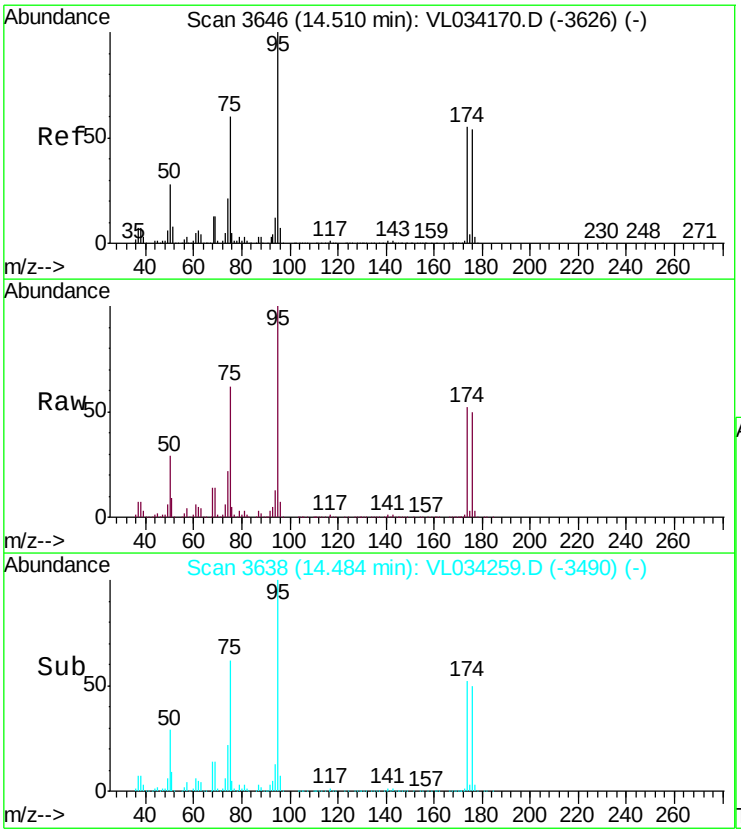
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion:117 Resp: 1530966

Ion	Ratio	Lower	Upper
117	100		
82	77.2	58.2	87.4
119	33.5	23.7	35.5

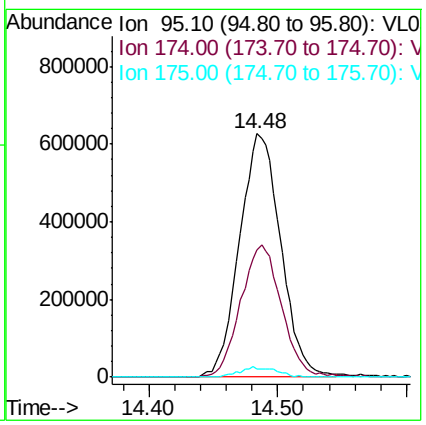


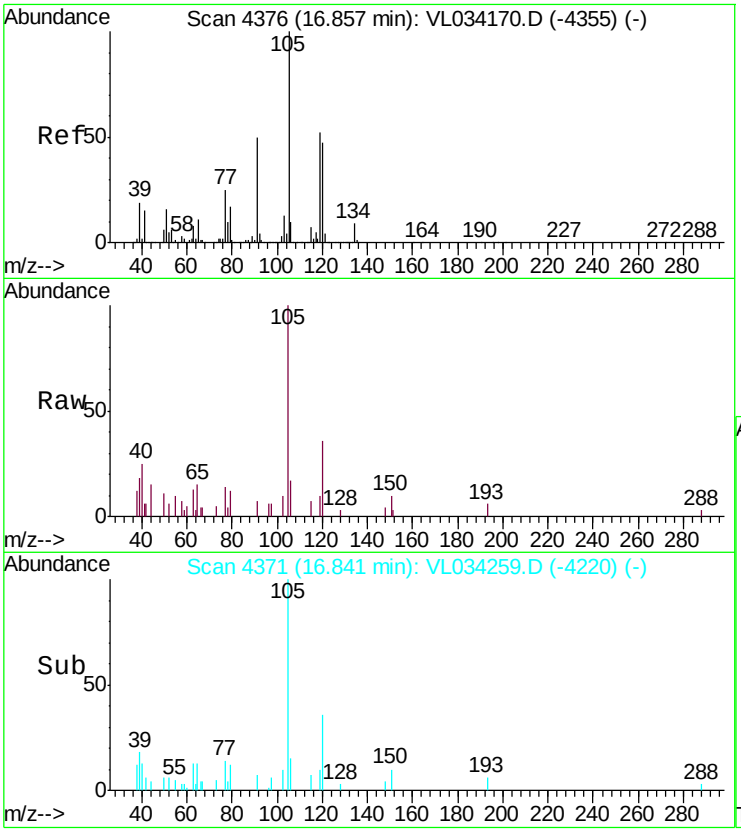


#68
1-Bromo-4-Fluorobenzene
Concen: 10.493 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.03 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Tgt Ion: 95 Resp: 1395874

Ion	Ratio	Lower	Upper
95	100		
174	54.0	45.1	67.7
175	3.9	3.3	4.9





#74
1,2,4-Trimethylbenzene
Concen: 0.052 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. -0.02 min
Lab File: VL034259.D
Acq: 8 Oct 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion:105 Resp: 12230

Ion	Ratio	Lower	Upper
105	100		
120	35.7	37.5	56.3#
91	7.3	41.1	61.7#
77	10.1	19.9	29.9#