Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034240.D
Acq On : 8 Oct 2019 2:57
Operator : SY/AP
Sample : K5222-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V-2DL

Quant Time: Oct 09 02:23:42 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	1042502	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1785012	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1764120	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1570415	10.24	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	12090	0.079	ppbv #	78
3) Chlorodifluoromethane	2.94	51	21795	0.178	ppbv #	74
4) Chloromethane	3.12	50	10138	0.141	ppbv #	83
9) Propene	2.99	41	82082	1.361	ppbv	95
10) Heptane	8.17	43	70066	0.446	ppbv	99
13) Ethanol	3.60	45	164035	11.233	ppbv	94
15) Acetone	3.87	43	586643	4.199	ppbv #	71
16) 1,3-Butadiene	3.31	39	9446	0.155	ppbv #	8
19) Isopropyl Alcohol	3.99	45	16651	0.194	ppbv #	1
20) Methylene Chloride	4.35	84	26607	0.660	ppbv	98
21) Allyl Chloride	4.37	41	12030	0.152	ppbv #	5
23) Vinyl Acetate	5.07	43	55794	0.271	ppbv #	1
25) Ethyl Acetate	5.71	43	100184	0.379	ppbv #	85
26) Hexane	5.71	57	110183	1.002	ppbv #	46
30) Cyclohexane	7.16	84	27679	0.349	ppbv #	91
31) cis-1,2-Dichloroethene	5.56	61	7440	0.066	ppbv #	89
34) 2-Butanone	5.26	43	5824	0.032	ppbv #	1
36) Benzene	6.93	78	117318	0.595	ppbv #	92
39) 1,2-Dichloropropane	7.21	63	581080	6.560	ppbv #	19
44) 2,2,4-Trimethylpentane	7.91	57	72244	0.190	ppbv #	39
53) Toluene	9.86	91	484133	2.247	ppbv	97
58) Ethyl Benzene	12.77	91	46202	0.162	ppbv	94
59) m/p-Xylene	13.07	91	30753	0.130	ppbv #	32
60) o-Xylene	13.76	91	30849	0.131	ppbv #	40
74) 1,2,4-Trimethylbenzene	16.83	105	29285	0.107	ppbv #	54

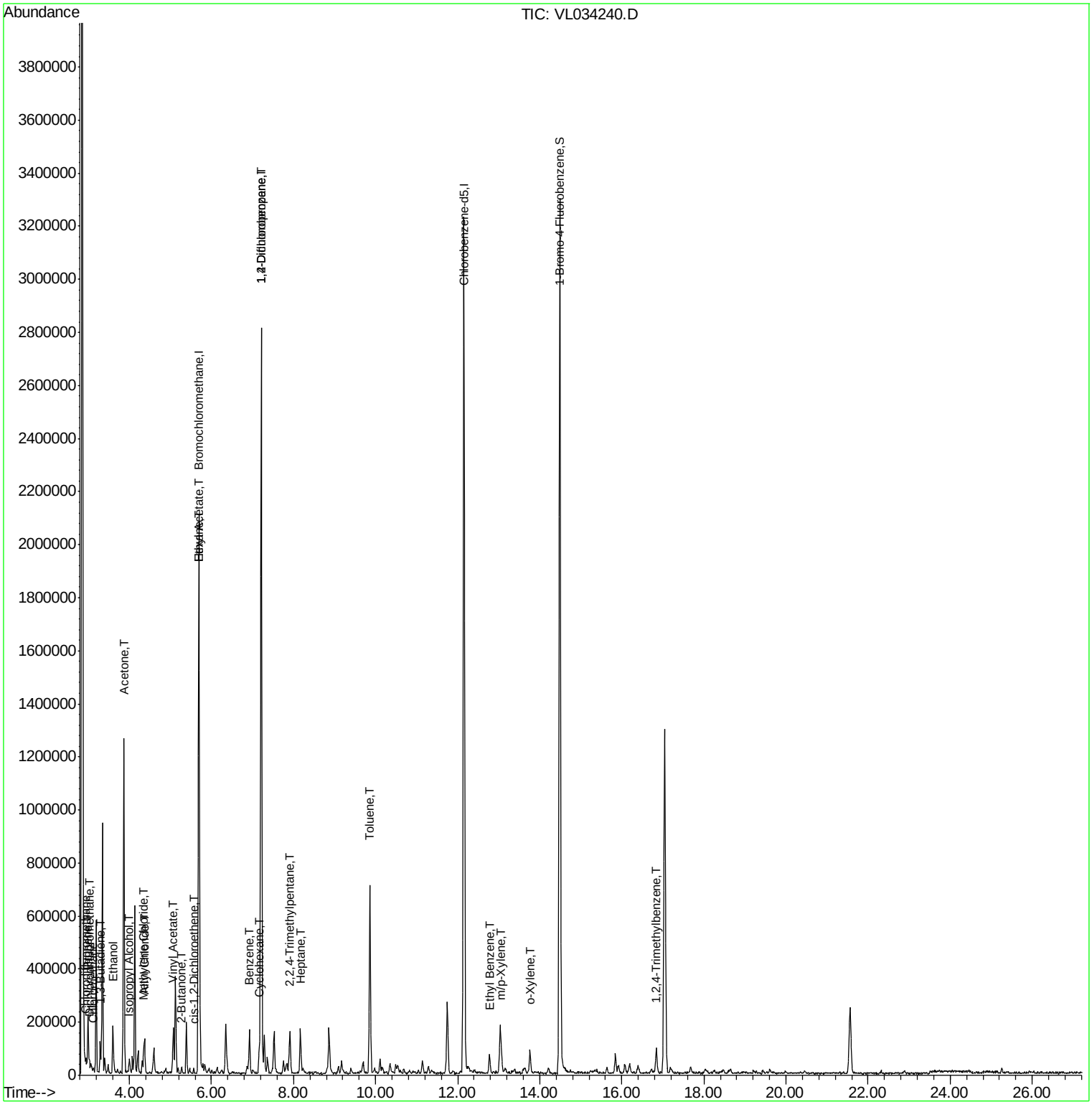
(#) = qualifier out of range (m) = manual integration (+) = signals summed

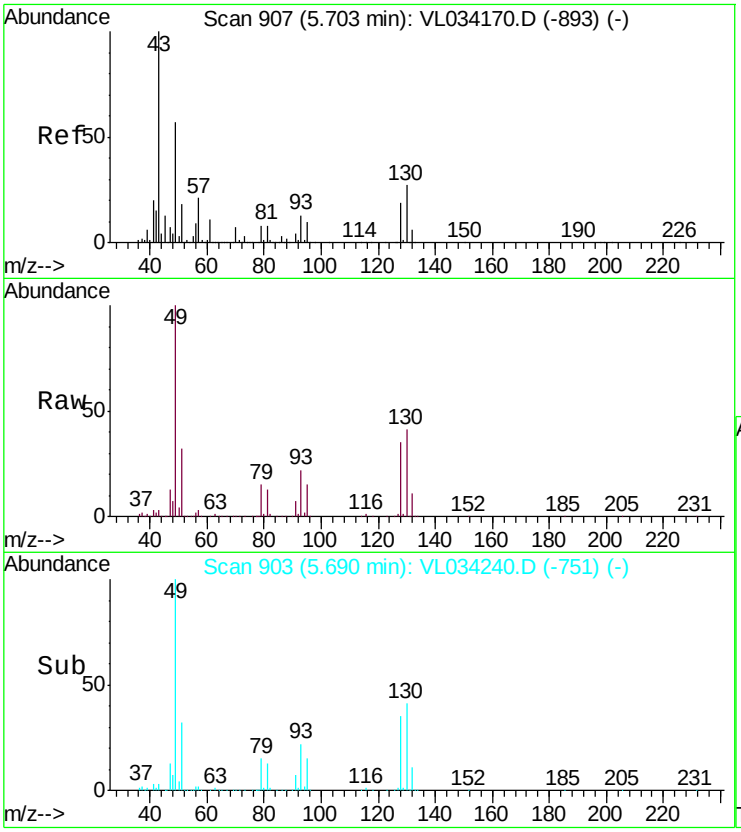
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034240.D
Acq On : 8 Oct 2019 2:57
Operator : SY/AP
Sample : K5222-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V-2DL

Quant Time: Oct 09 02:23:42 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



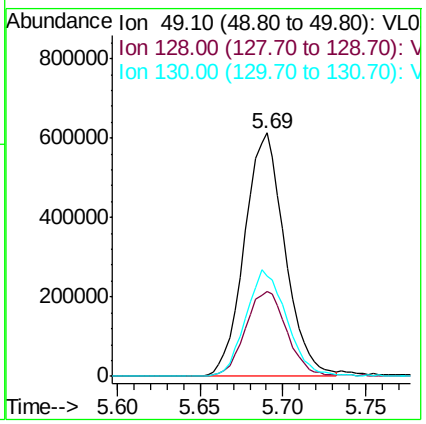


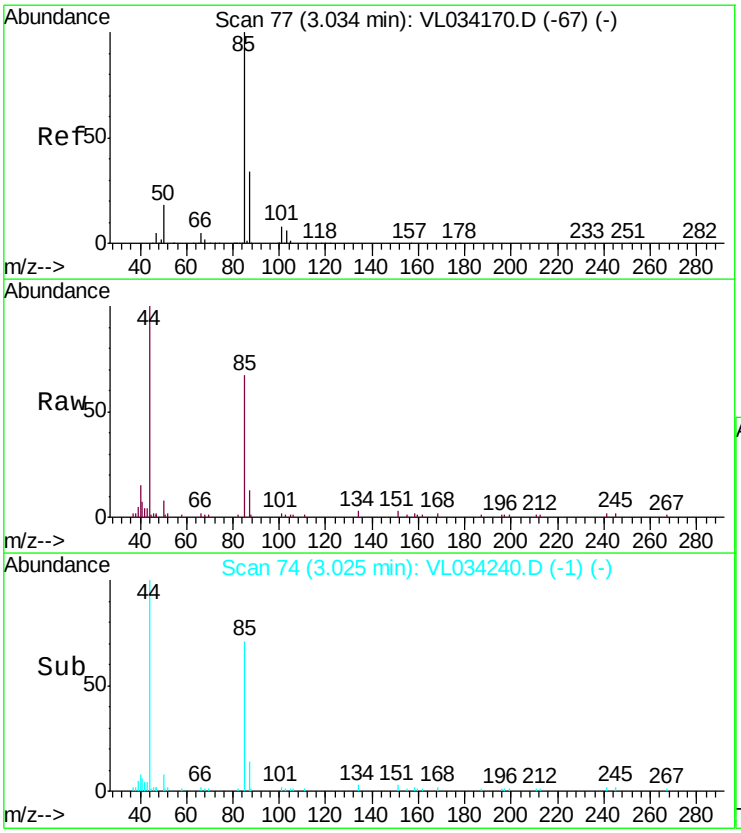
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 49 Resp: 1042502

Ion	Ratio	Lower	Upper
49	100		
128	36.2	17.6	52.9
130	44.7	22.3	66.9

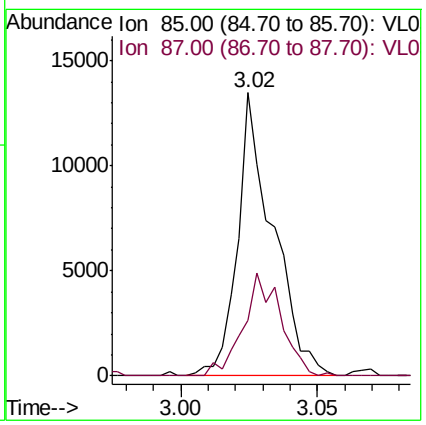


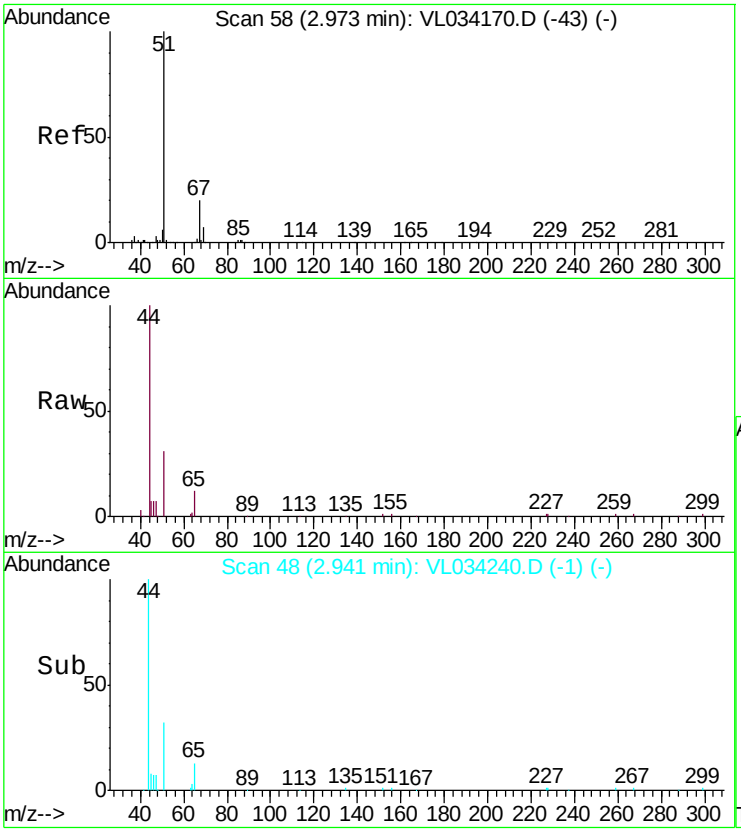


#2
Dichlorodifluoromethane
Concen: 0.079 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 85 Resp: 12090

Ion	Ratio	Lower	Upper
85	100		
87	21.2	27.2	40.8#



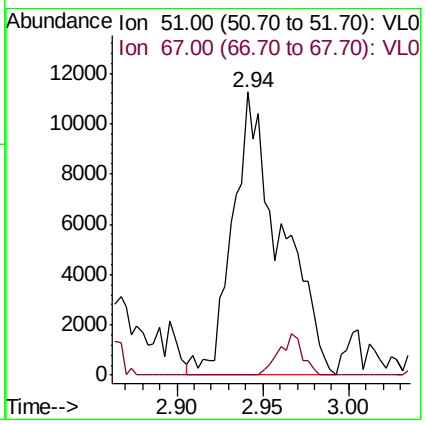


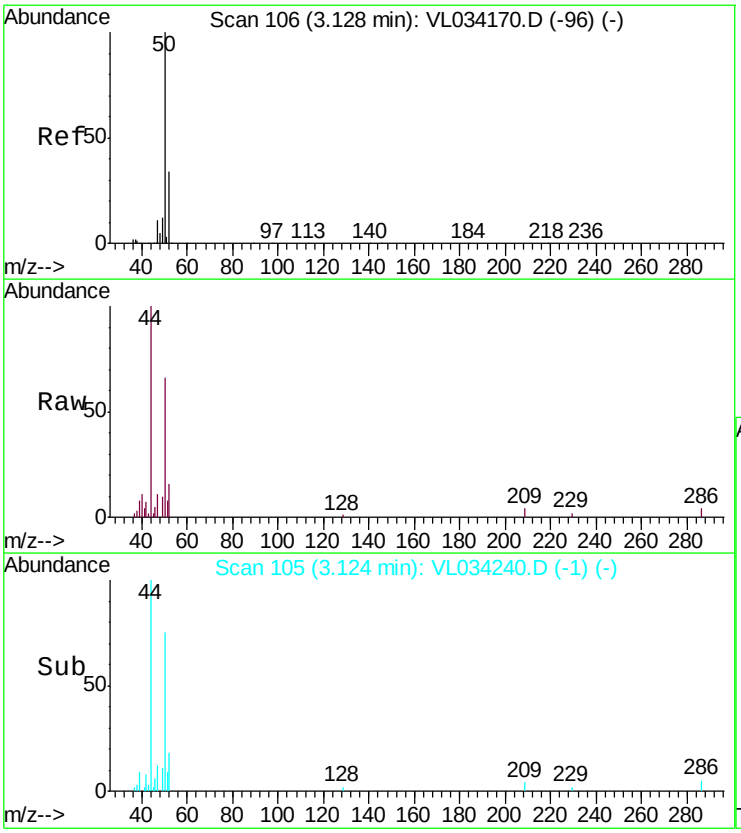
#3
Chlorodifluoromethane
Concen: 0.178 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.03 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 51 Resp: 21795

Ion	Ratio	Lower	Upper
51	100		
67	7.0	14.8	22.2#

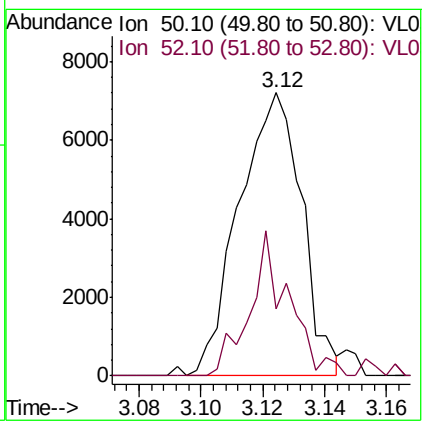


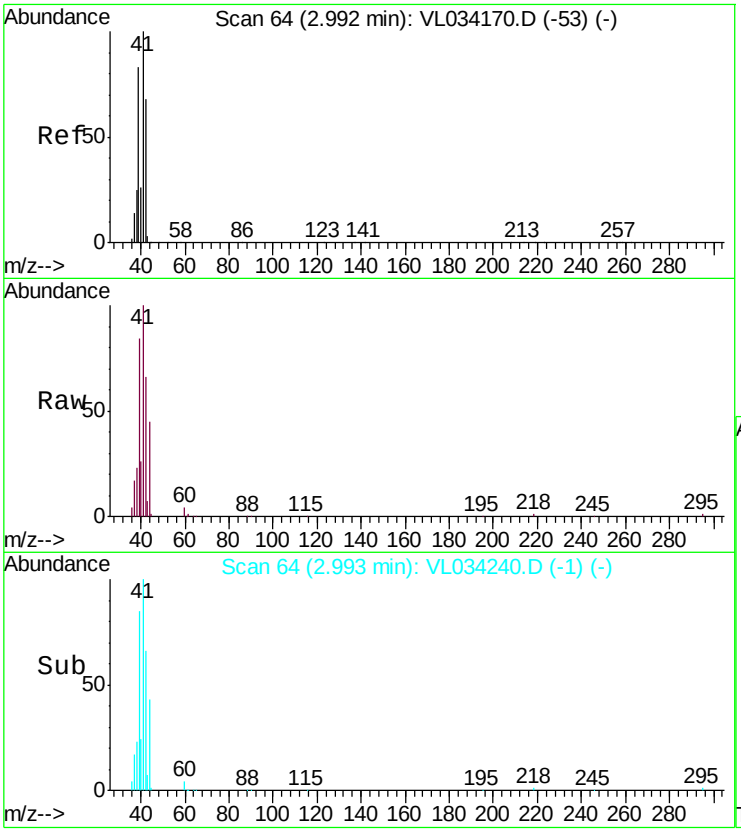


#4
Chloromethane
Concen: 0.141 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 50 Resp: 10138

Ion	Ratio	Lower	Upper
50	100		
52	23.9	27.1	40.7#



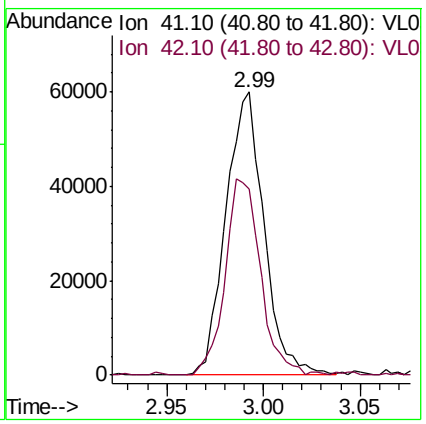


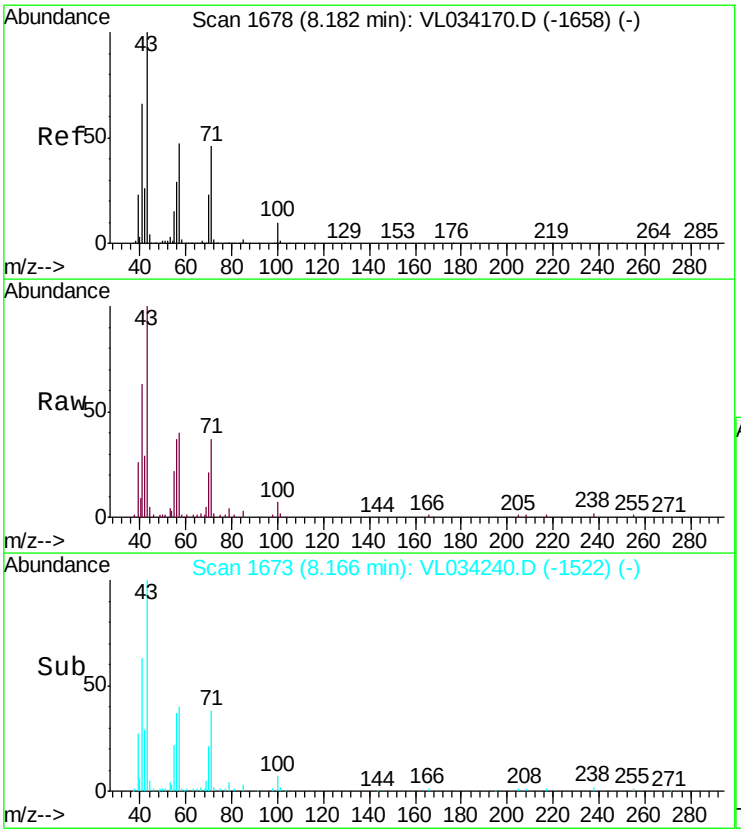
#9
Propene
Concen: 1.361 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 41 Resp: 82082

Ion	Ratio	Lower	Upper
41	100		
42	65.4	55.8	83.6

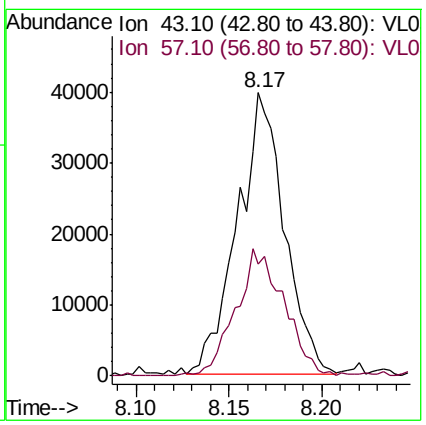


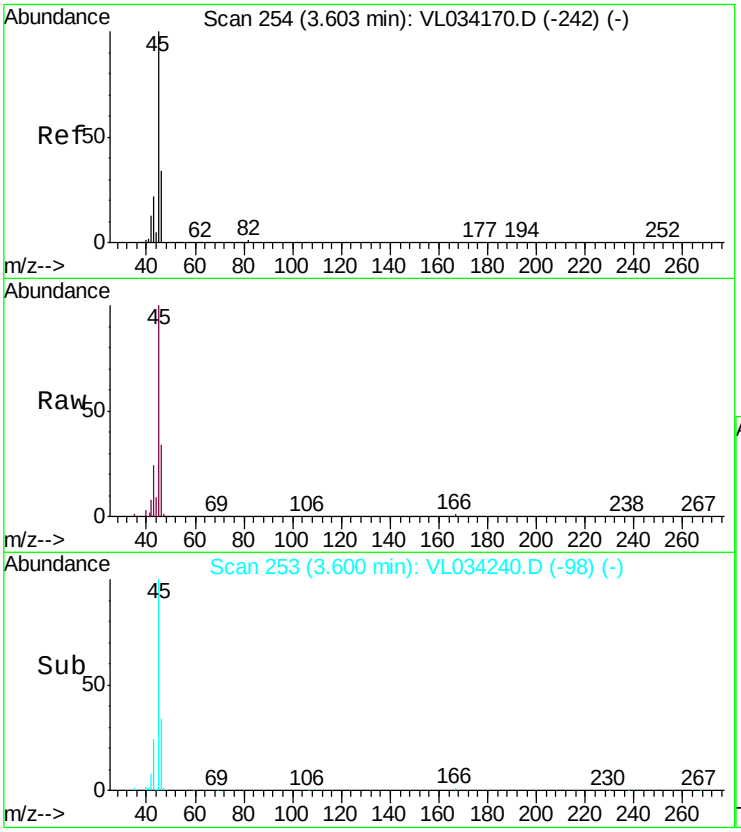


#10
Heptane
Concen: 0.446 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 43 Resp: 70066

Ion	Ratio	Lower	Upper
43	100		
57	46.1	37.5	56.3



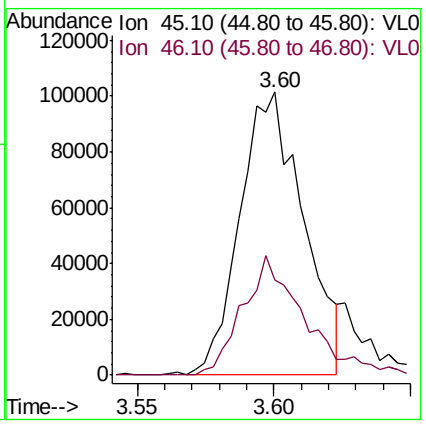


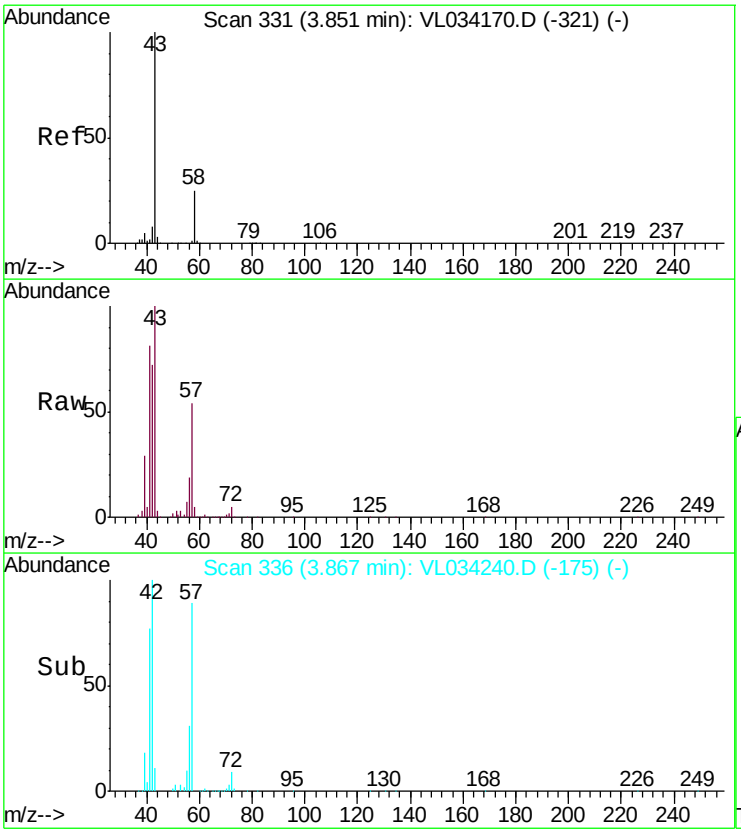
#13
Ethanol
Concen: 11.233 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 45 Resp: 164035

Ion	Ratio	Lower	Upper
45	100		
46	42.4	15.5	61.9

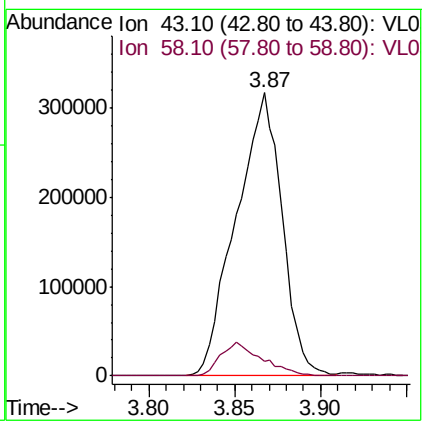


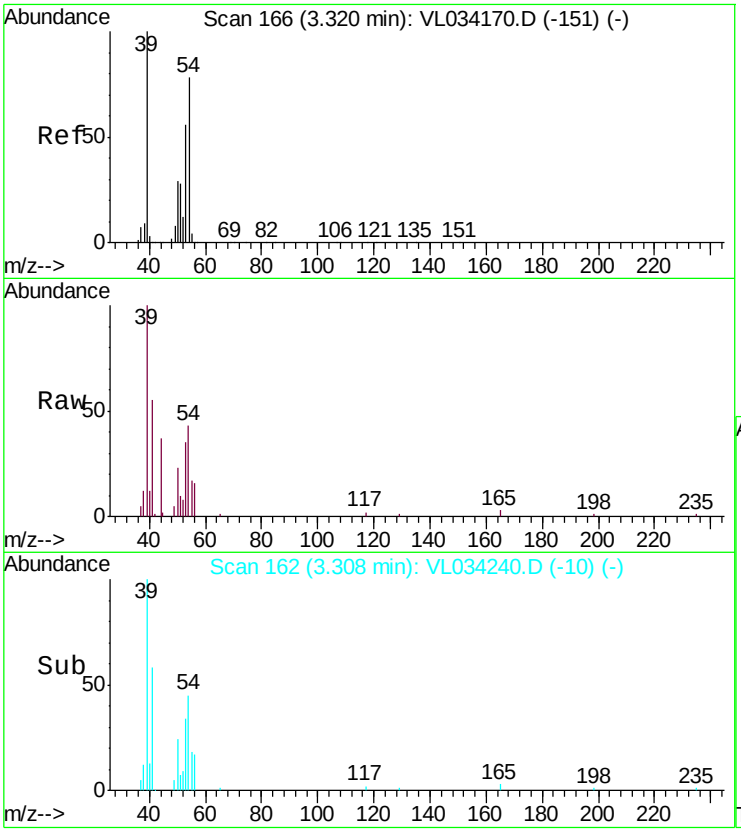


#15
Acetone
Concen: 4.199 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 43 Resp: 586643

Ion	Ratio	Lower	Upper
43	100		
58	10.9	20.5	30.7#



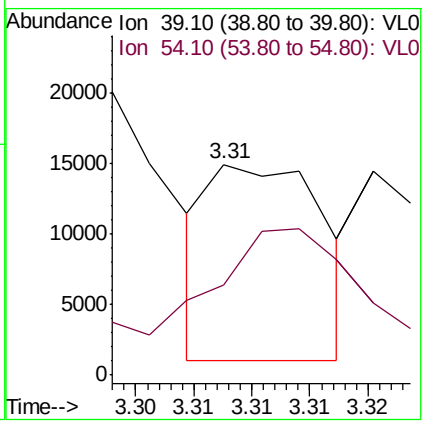


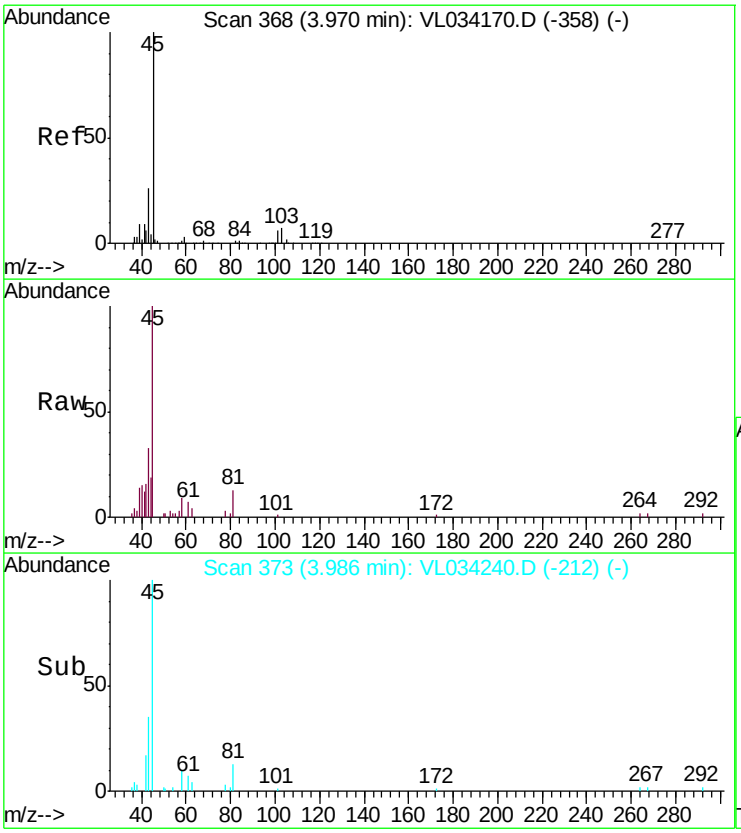
#16
1,3-Butadiene
Concen: 0.155 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 39 Resp: 9446

Ion	Ratio	Lower	Upper
39	100		
54	159.8	63.4	95.0#

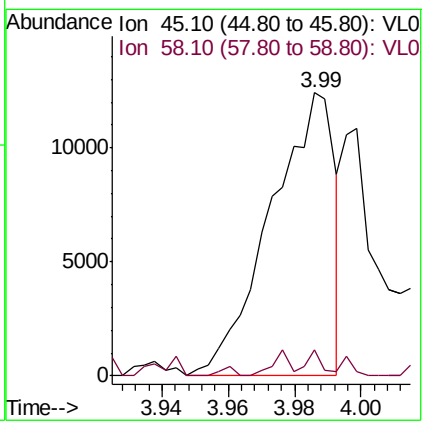


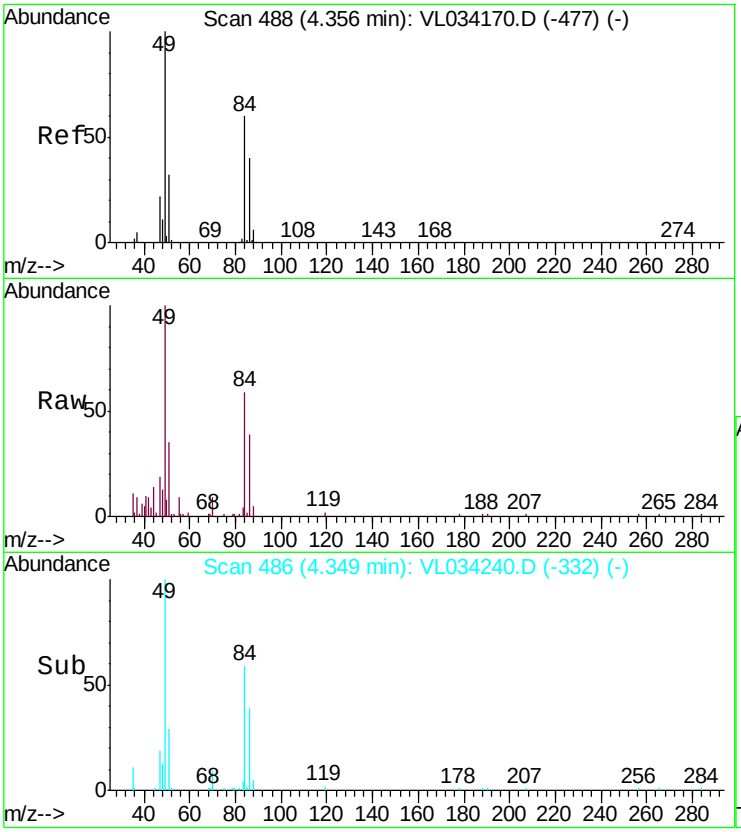


#19
Isopropyl Alcohol
Concen: 0.194 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 45 Resp: 16651

Ion	Ratio	Lower	Upper
45	100		
58	384.0	1.4	2.0#



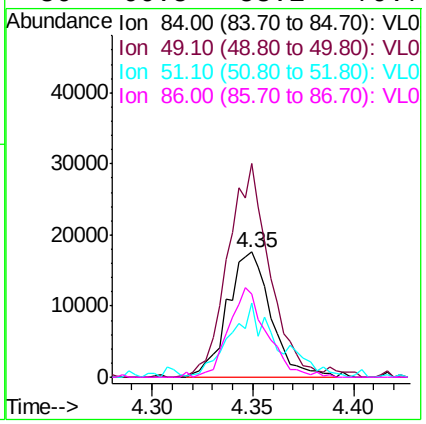


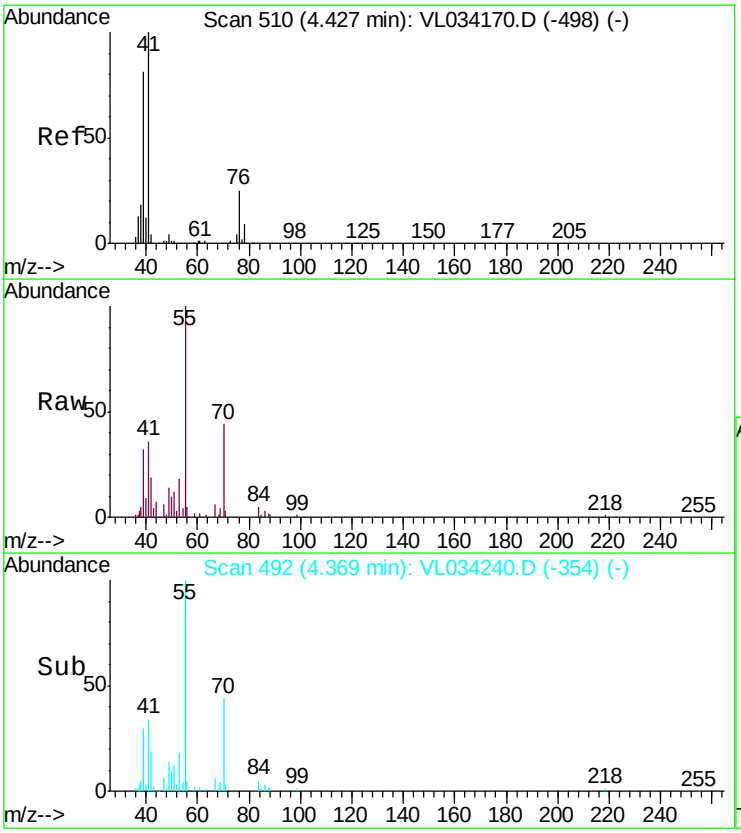
#20
Methylene Chloride
Concen: 0.660 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 84 Resp: 26607

Ion	Ratio	Lower	Upper
84	100		
49	169.3	133.8	200.8
51	58.0	43.6	65.4
86	66.5	53.1	79.7

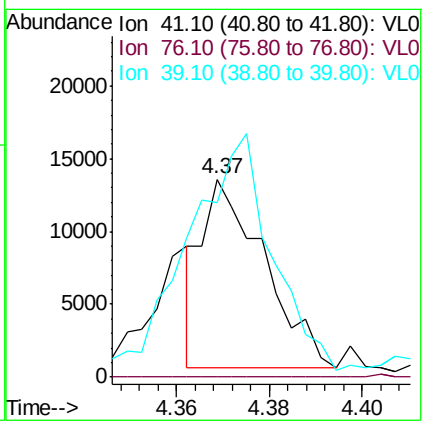


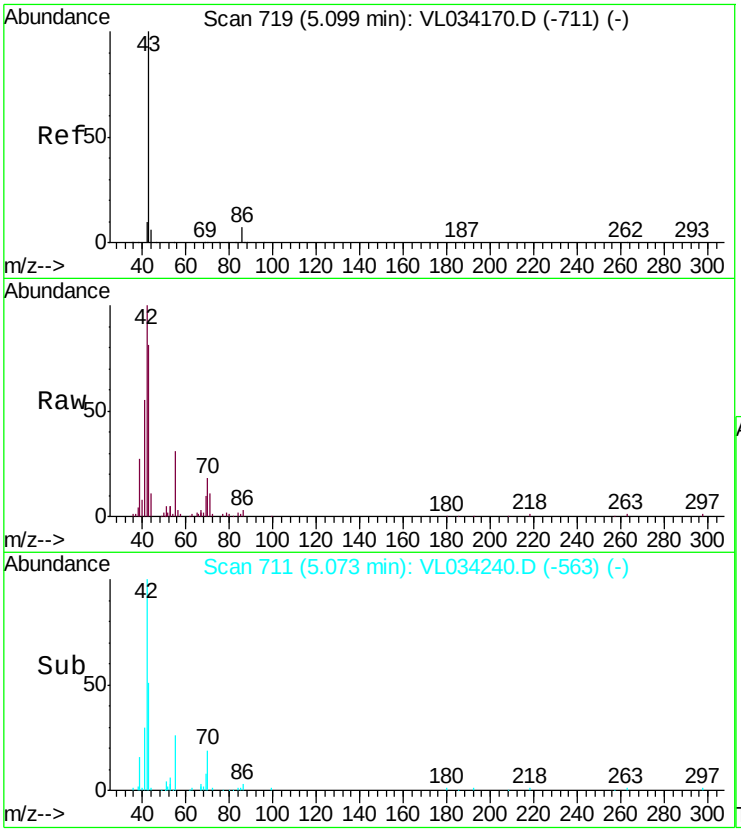


#21
Allyl Chloride
Concen: 0.152 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.06 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 41 Resp: 12030

Ion	Ratio	Lower	Upper
41	100		
76	0.6	21.8	32.6#
39	178.9	64.8	97.2#



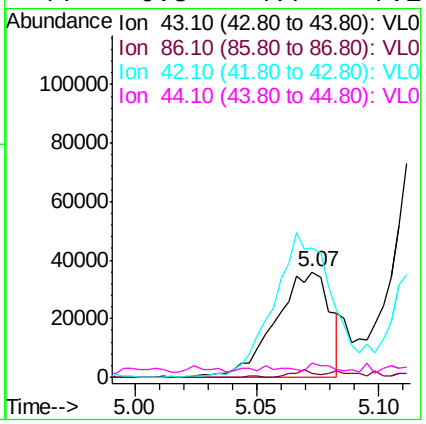


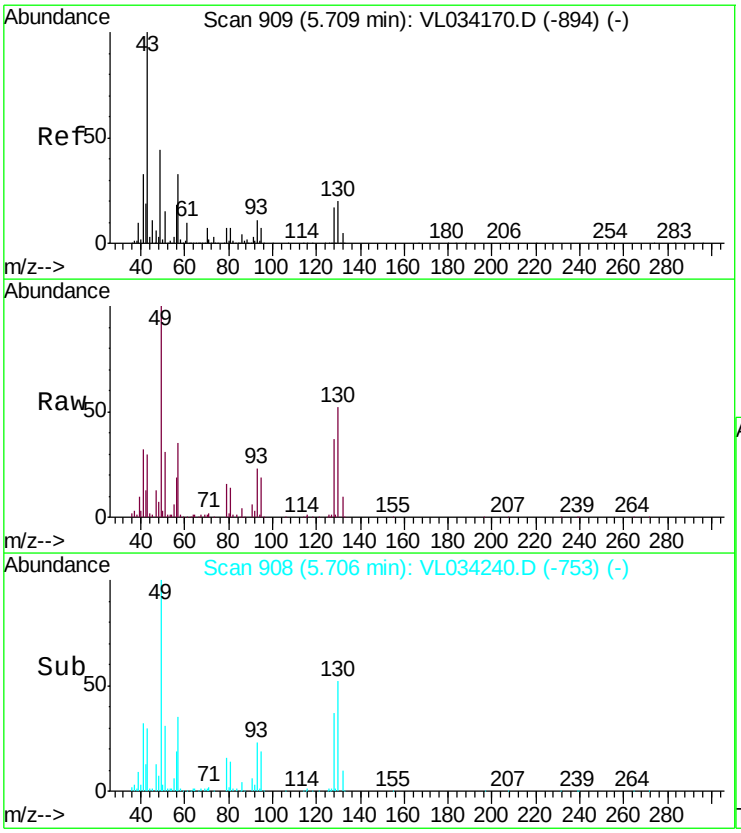
#23
Vinyl Acetate
Concen: 0.271 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.03 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 43 Resp: 55794

Ion	Ratio	Lower	Upper
43	100		
86	3.4	5.1	7.7#
42	121.9	8.6	12.8#
44	6.3	4.7	7.1

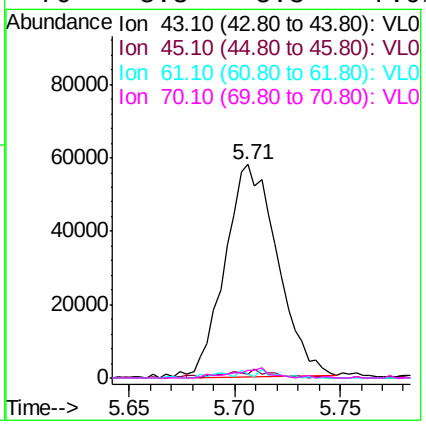


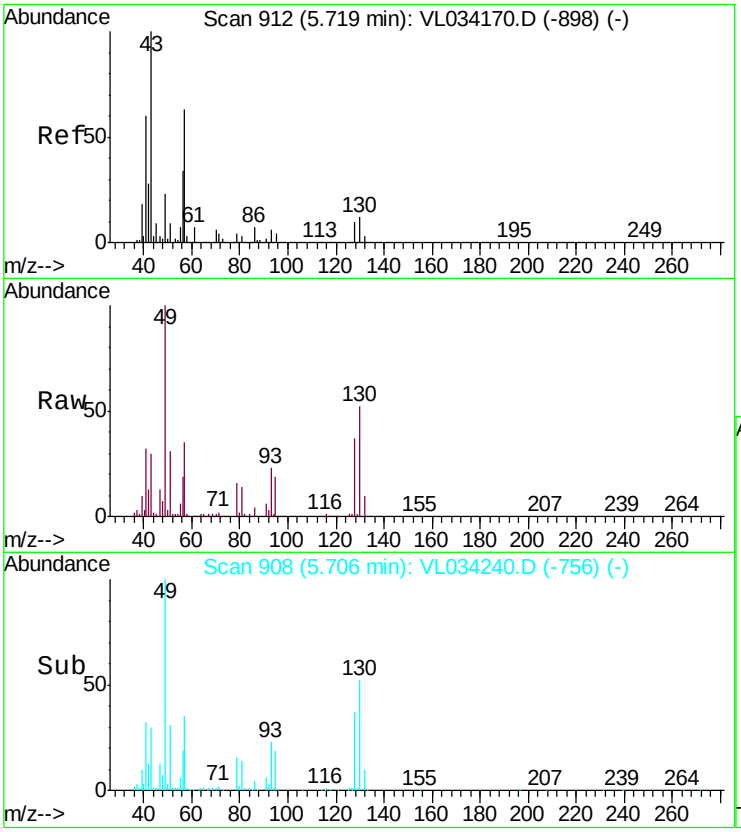


#25
Ethyl Acetate
Concen: 0.379 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 43 Resp: 100184

Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.4	12.6#
61	3.0	7.2	10.8#
70	3.3	5.3	7.9#



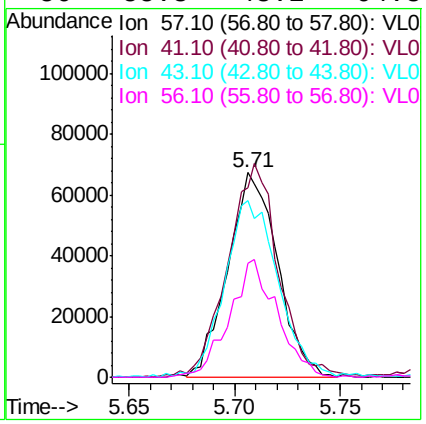


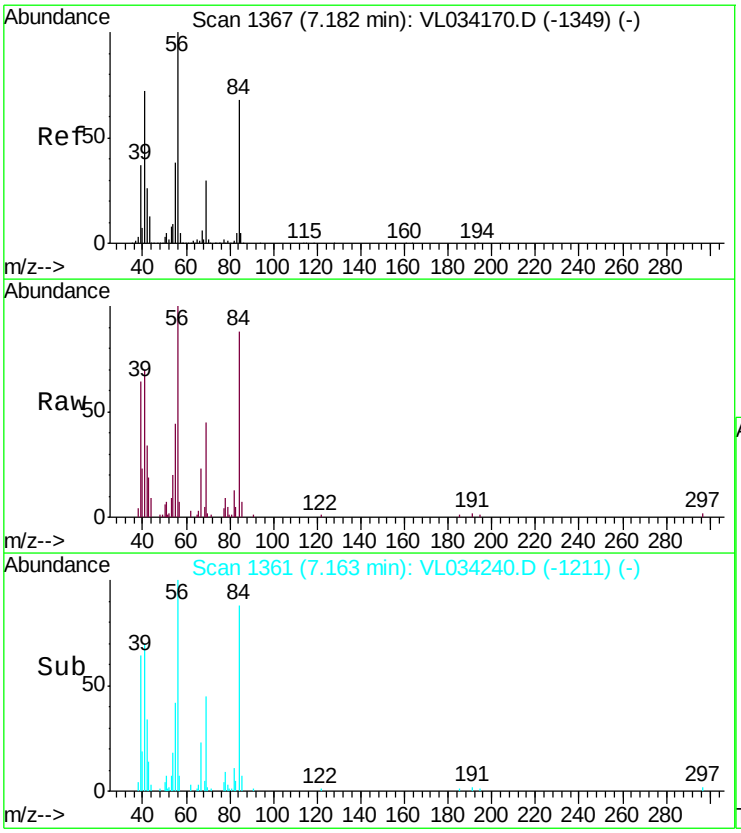
#26
Hexane
Concen: 1.002 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 57 Resp: 110183

Ion	Ratio	Lower	Upper
57	100		
41	107.4	78.5	117.7
43	94.6	189.5	284.3#
56	55.3	43.2	64.8

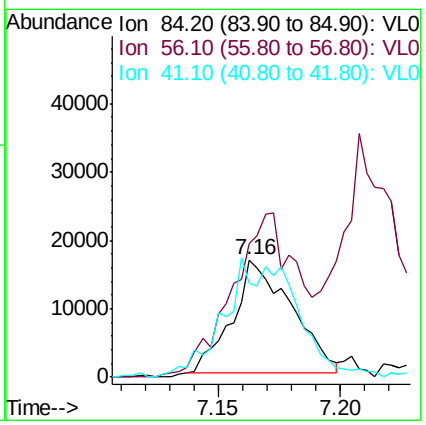


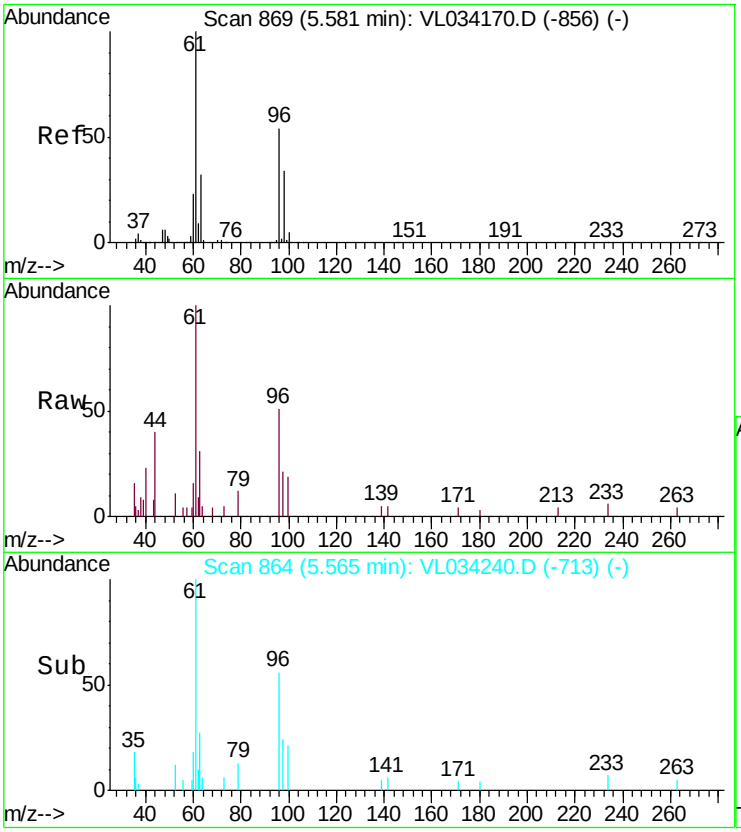


#30
Cyclohexane
Concen: 0.349 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 84 Resp: 27679

Ion	Ratio	Lower	Upper
84	100		
56	159.2	126.2	189.2
41	129.1	85.8	128.8#



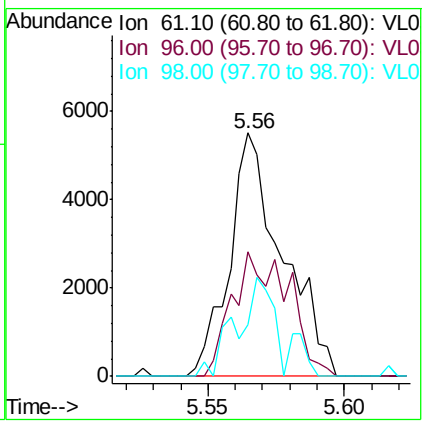


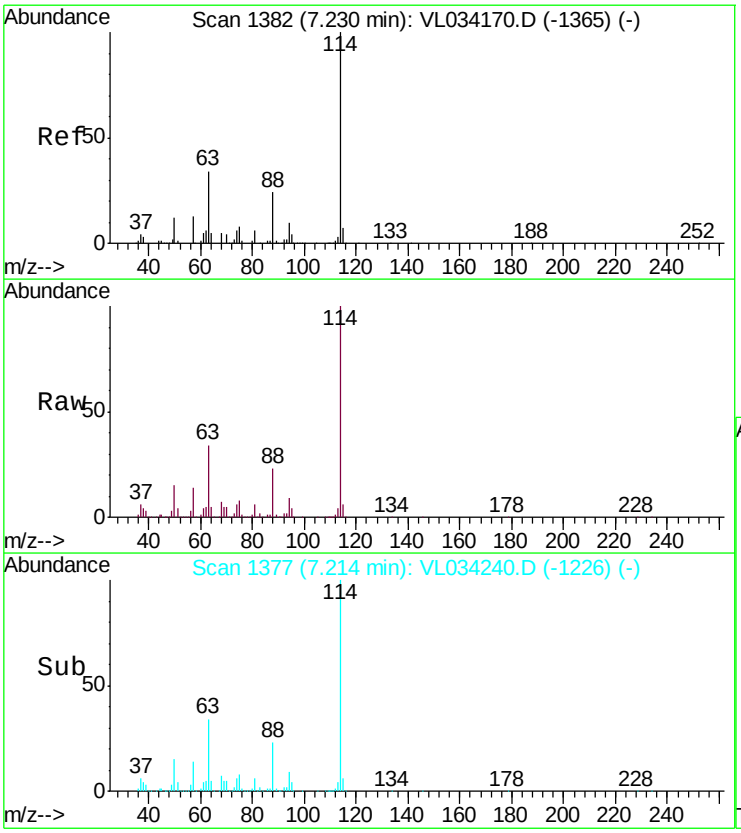
#31
cis-1,2-Dichloroethene
Concen: 0.066 ppbv
RT: 5.56 min Scan# 864
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 61 Resp: 7440

Ion	Ratio	Lower	Upper
61	100		
96	50.9	43.0	64.4
98	21.4	27.2	40.8#

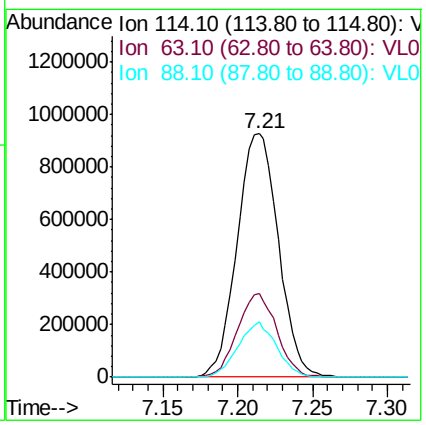


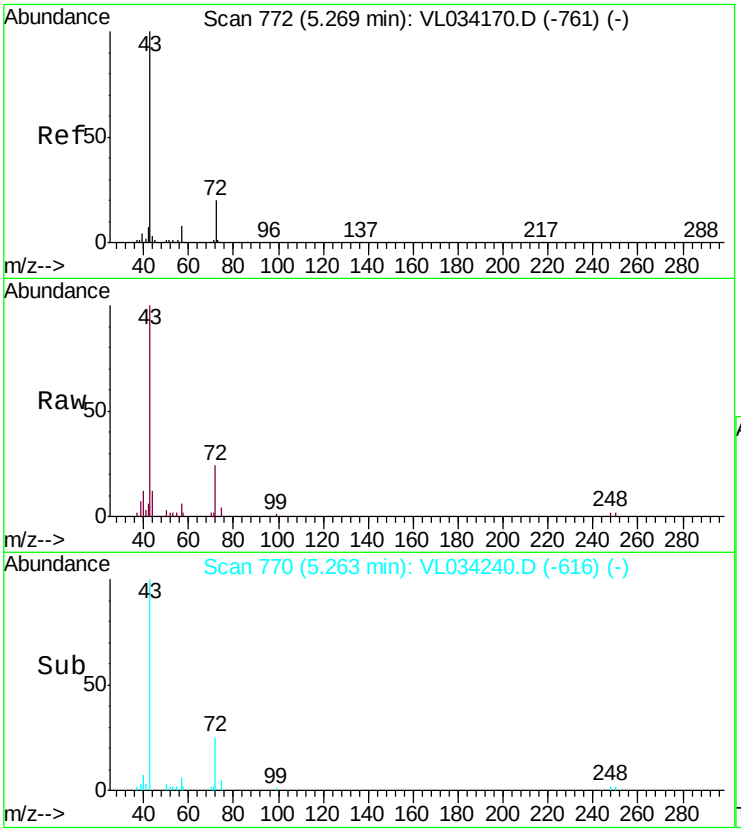


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion:114 Resp: 1785012

Ion	Ratio	Lower	Upper
114	100		
63	33.0	27.8	41.6
88	21.1	17.1	25.7



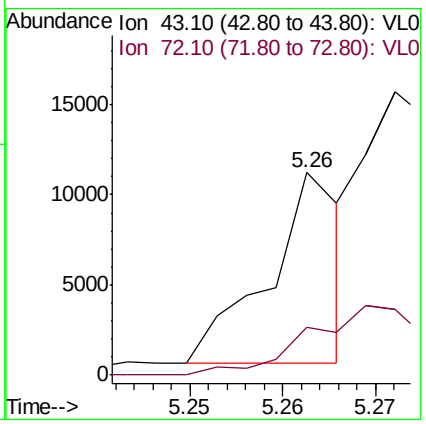


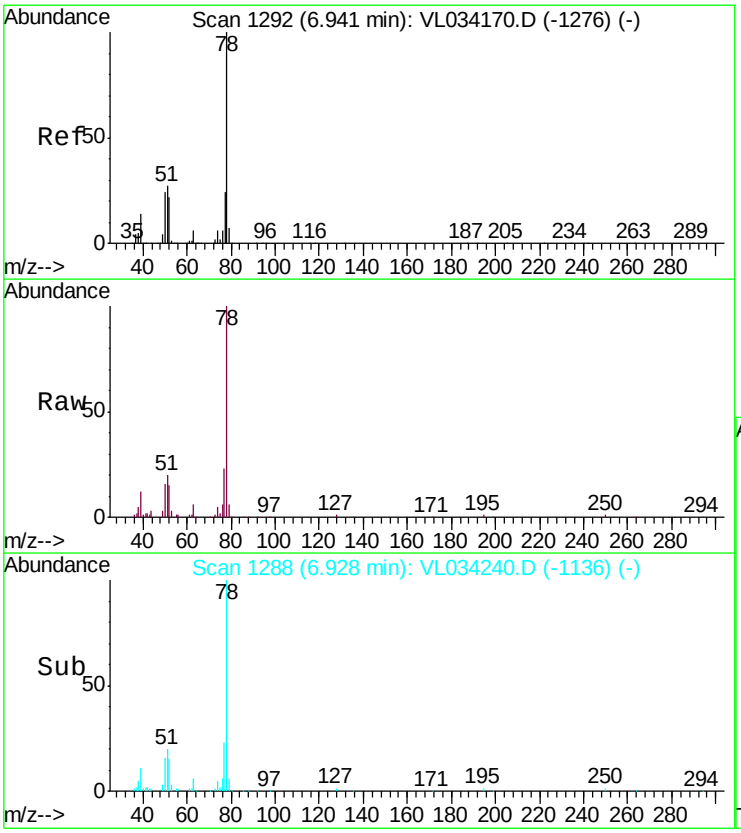
#34
2-Butanone
Concen: 0.032 ppbv
RT: 5.26 min Scan# 770
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 43 Resp: 5824

Ion	Ratio	Lower	Upper
43	100		
72	88.7	15.0	22.6#

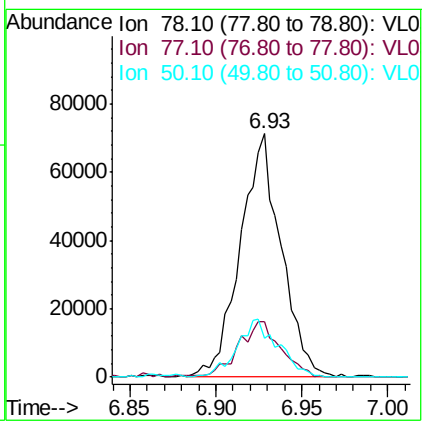


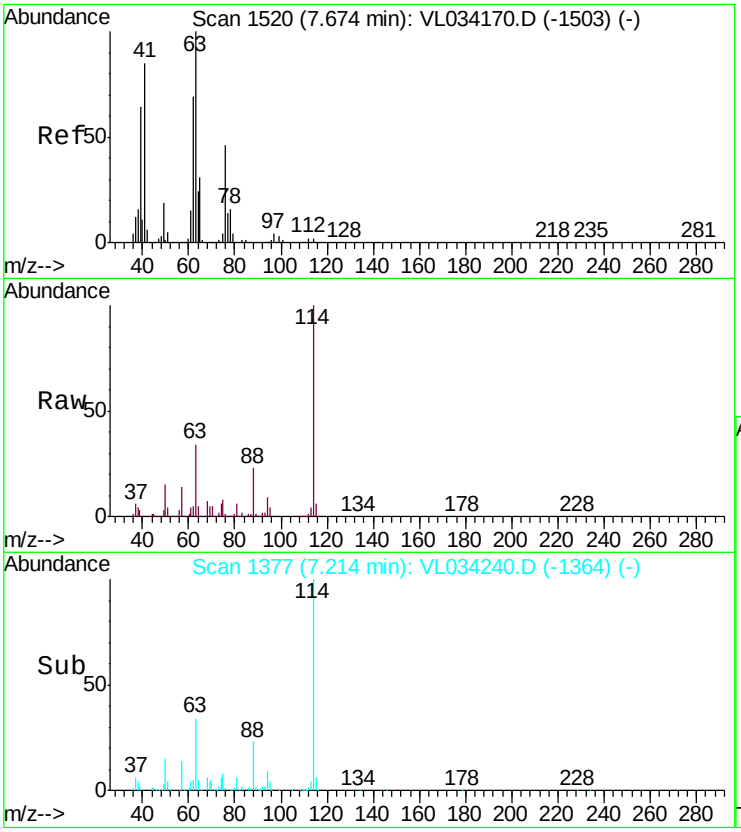


#36
Benzene
Concen: 0.595 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 78 Resp: 117318

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4
50	16.2	18.9	28.3#



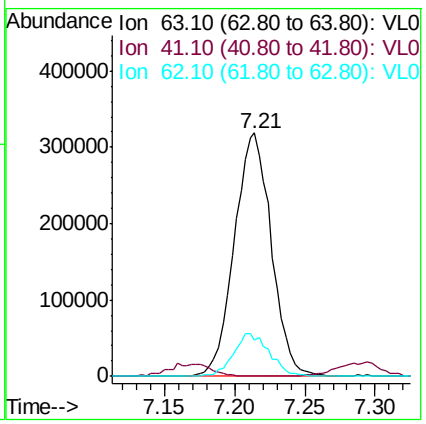


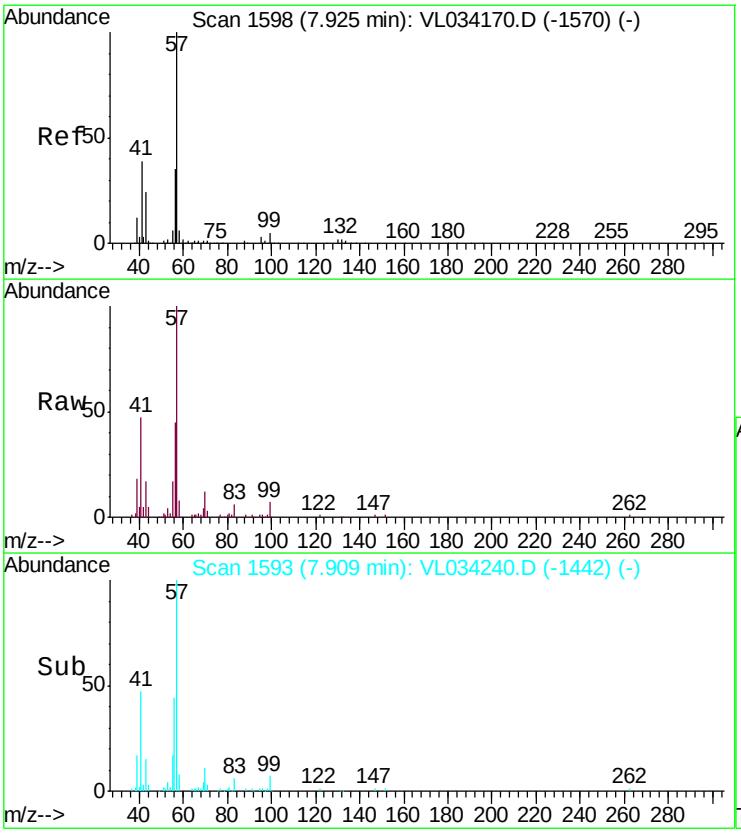
#39
1,2-Dichloropropane
Concen: 6.560 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.46 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 63 Resp: 581080

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.4	102.6#
62	15.1	55.4	83.2#

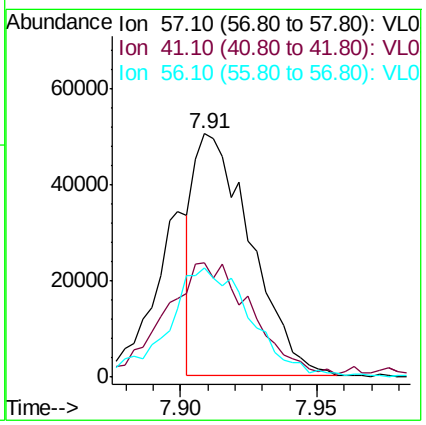


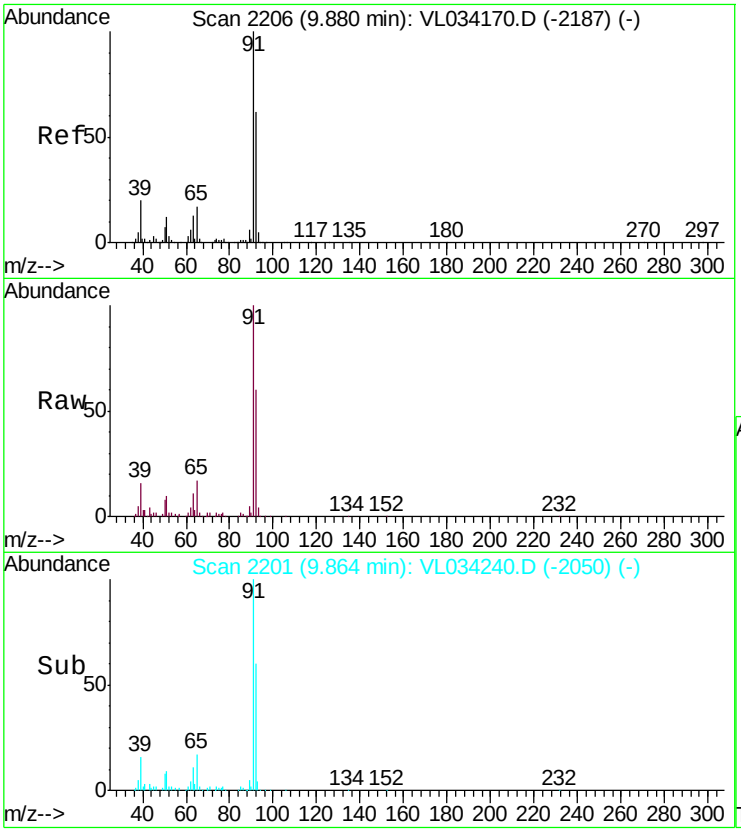


#44
2,2,4-Trimethylpentane
Concen: 0.190 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 57 Resp: 72244

Ion	Ratio	Lower	Upper
57	100		
41	73.3	29.8	44.6#
56	67.0	25.9	38.9#



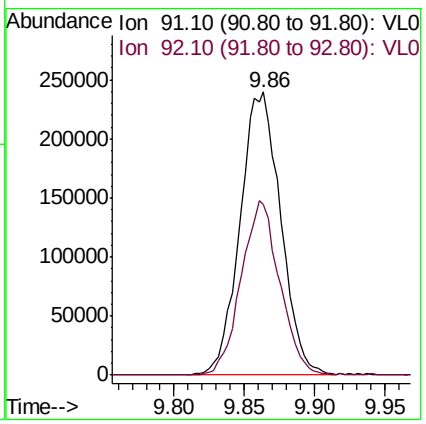


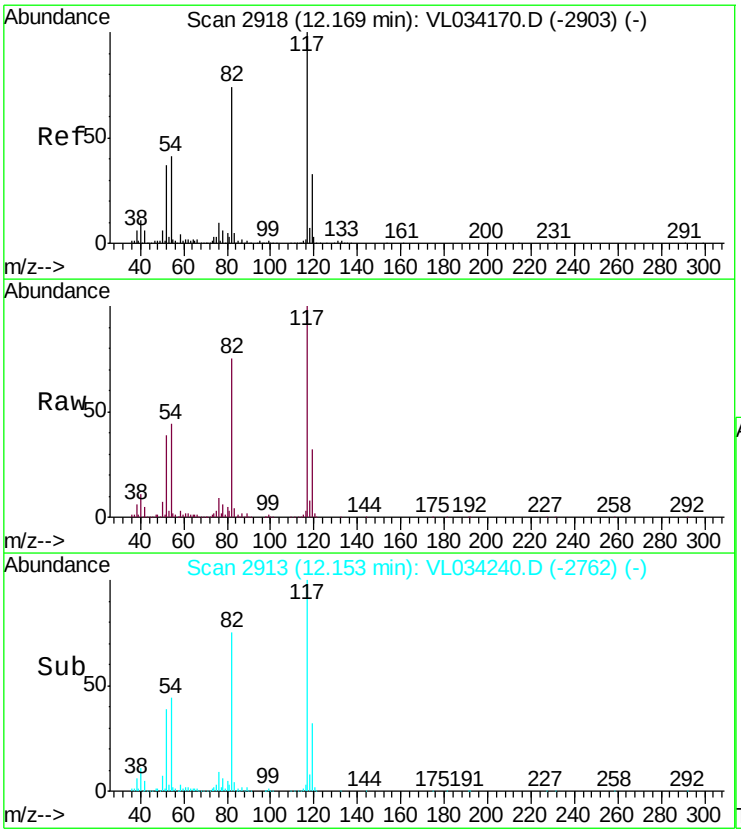
#53
Toluene
Concen: 2.247 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 91 Resp: 484133

Ion	Ratio	Lower	Upper
91	100		
92	58.7	49.0	73.6

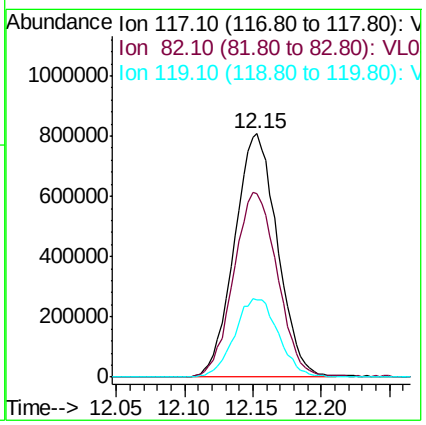


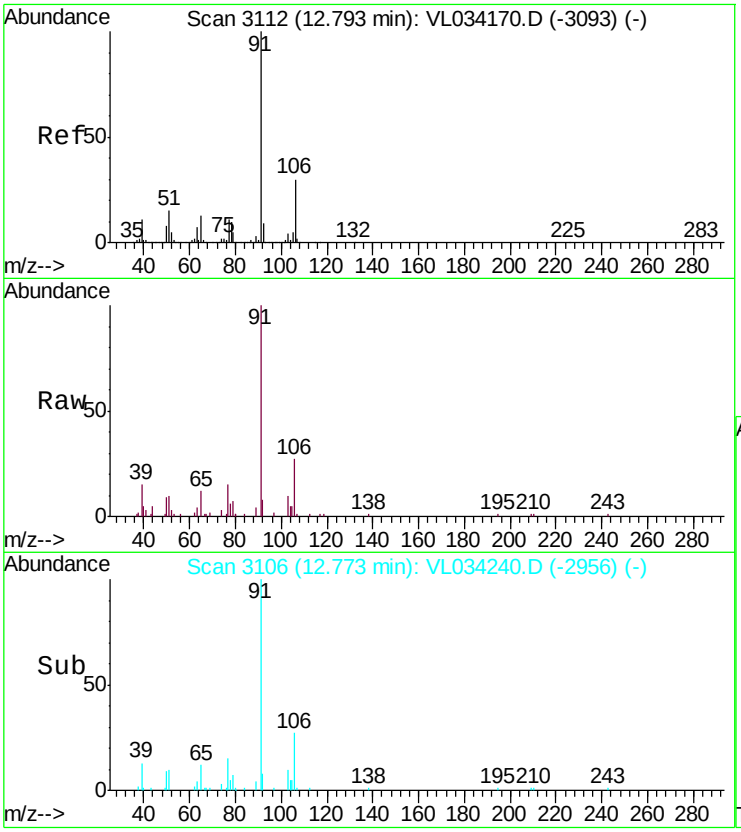


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion:117 Resp: 1764120

Ion	Ratio	Lower	Upper
117	100		
82	77.3	58.2	87.4
119	32.9	23.7	35.5



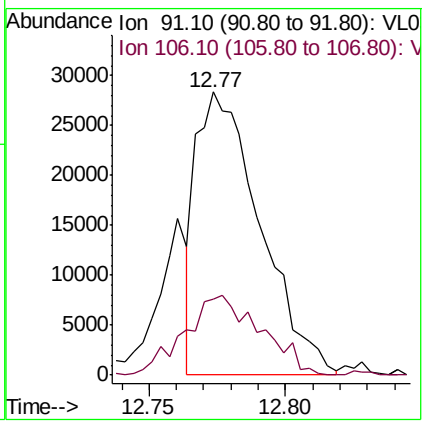


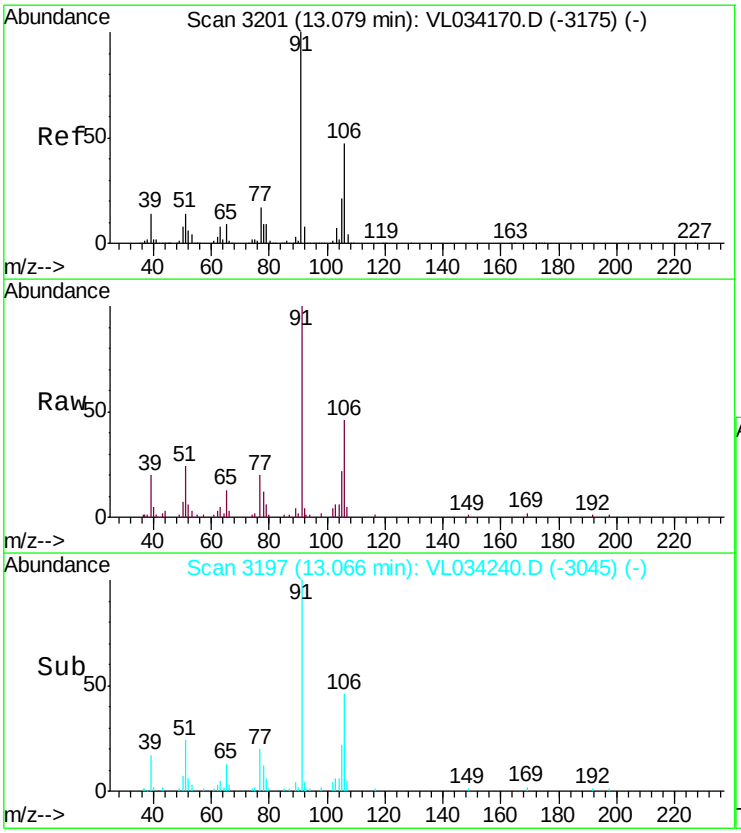
#58
Ethyl Benzene
Concen: 0.162 ppbv
RT: 12.77 min Scan# 3106
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument : MSVOA_L
ClientSampleId : V-2DL

Tgt Ion: 91 Resp: 46202

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.2	36.4

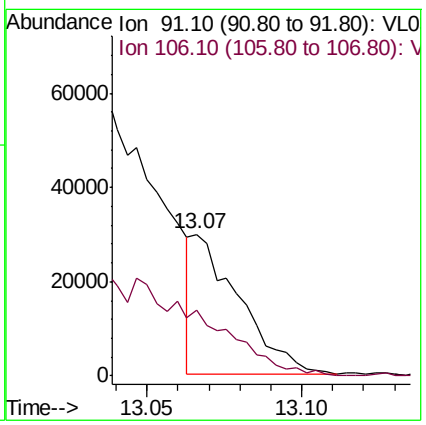


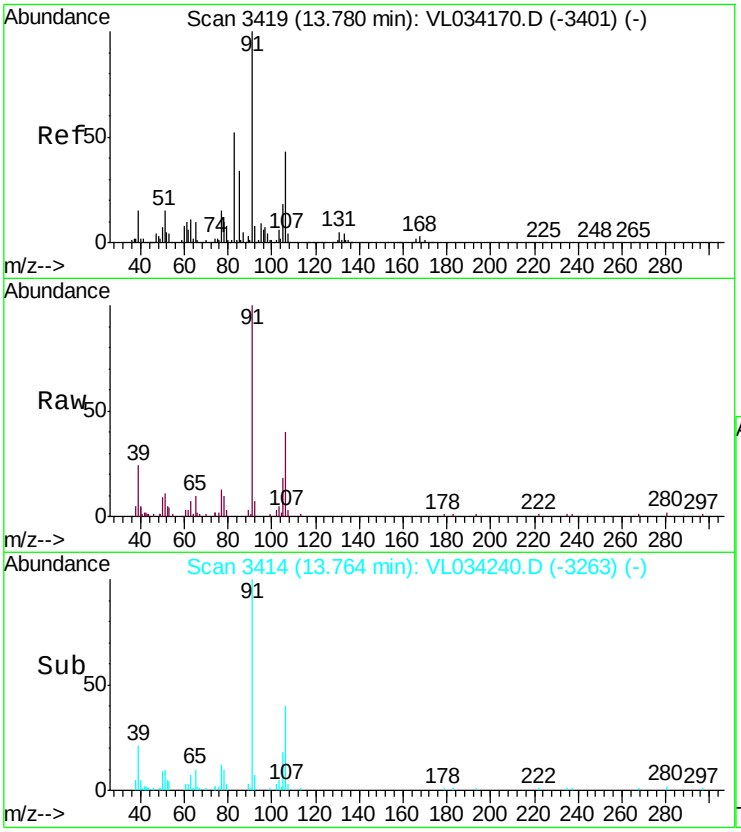


#59
m/p-Xylene
Concen: 0.130 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 91 Resp: 30753

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#



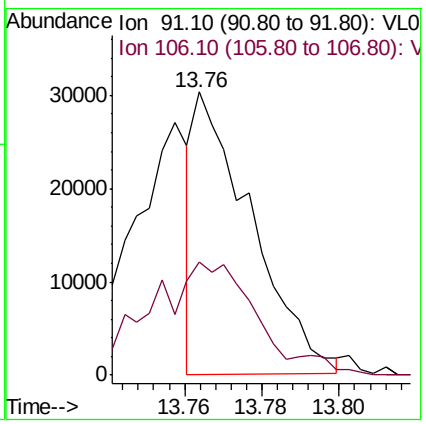


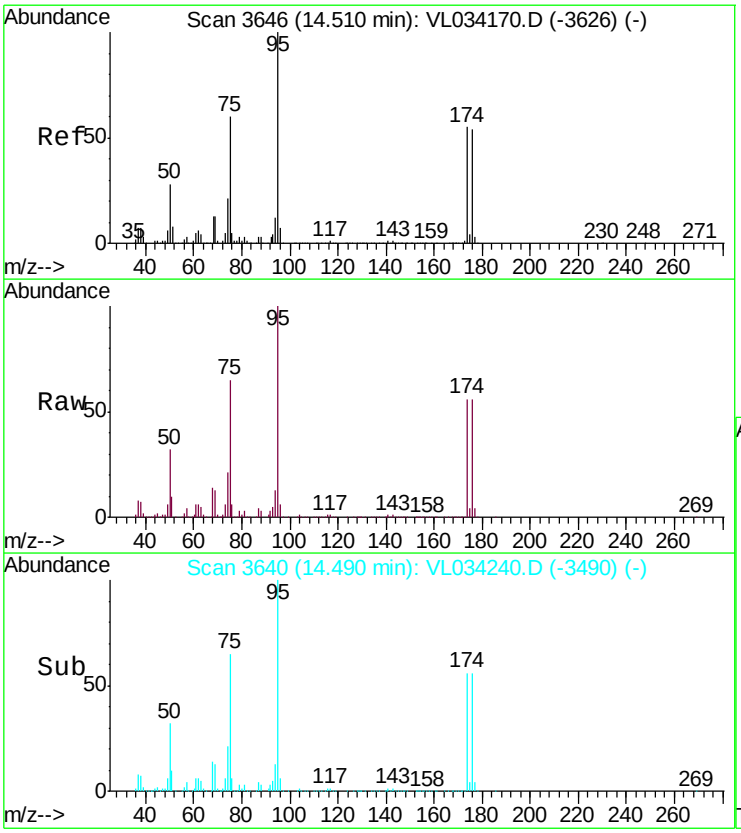
#60
o-Xylene
Concen: 0.131 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion: 91 Resp: 30849

Ion	Ratio	Lower	Upper
91	100		
106	80.6	21.2	63.6#

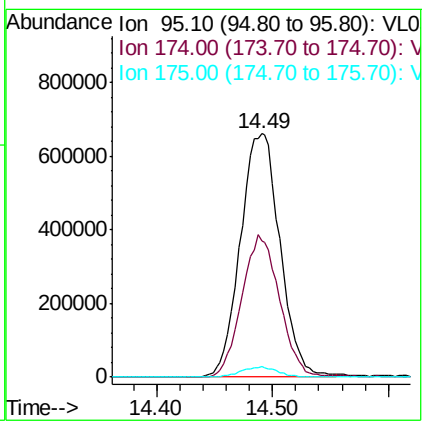


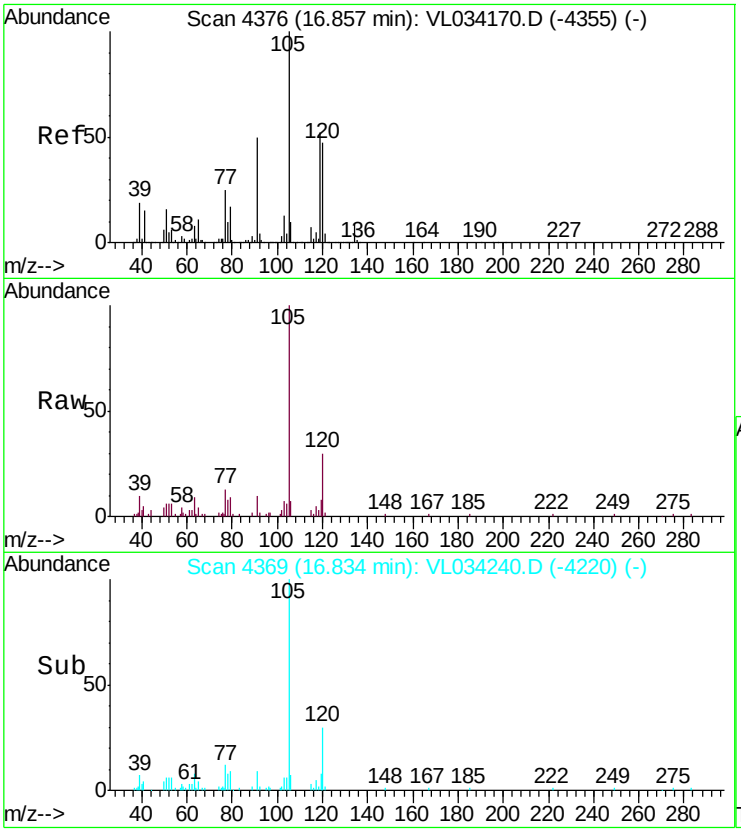


#68
1-Bromo-4-Fluorobenzene
Concen: 10.245 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Tgt Ion: 95 Resp: 1570415

Ion	Ratio	Lower	Upper
95	100		
174	56.4	45.1	67.7
175	3.8	3.3	4.9





#74
1,2,4-Trimethylbenzene
Concen: 0.107 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. -0.02 min
Lab File: VL034240.D
Acq: 8 Oct 2019 2:57

Instrument :
MSVOA_L
ClientSampleId :
V-2DL

Tgt Ion:105 Resp: 29285

Ion	Ratio	Lower	Upper
105	100		
120	26.0	37.5	56.3#
91	5.3	41.1	61.7#
77	9.7	19.9	29.9#