Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033555.D
Acq On : 5 Apr 2019 5:26
Operator : SY/AP
Sample : K2226-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV3DL

Quant Time: Apr 05 06:46:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1254904	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3375598	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	3412030	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2567240	9.60	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	11321	0.062	ppbv	95
4) Chloromethane	3.17	50	2584	0.034	ppbv	94
9) Propene	3.04	41	417375	6.879	ppbv	94
10) Heptane	8.24	43	17334	0.107	ppbv #	27
13) Ethanol	3.66	45	38713	2.466	ppbv	69
15) Acetone	3.90	43	884689	5.863	ppbv	96
16) 1,3-Butadiene	3.34	39	247640	4.138	ppbv #	35
17) tert-Butyl alcohol	4.38	59	41974	1.513	ppbv #	91
19) Isopropyl Alcohol	4.05	45	8848	0.093	ppbv #	95
20) Methylene Chloride	4.41	84	18411	0.287	ppbv	95
21) Allyl Chloride	4.46	41	4039	0.042	ppbv #	1
25) Ethyl Acetate	5.77	43	113124	0.404	ppbv	99
26) Hexane	5.77	57	54352	0.437	ppbv	90
34) 2-Butanone	5.34	43	34995	0.173	ppbv	93
36) Benzene	7.00	78	81057	0.286	ppbv	95
39) 1,2-Dichloropropane	7.29	63	783675	7.063	ppbv #	23
53) Toluene	9.94	91	106500	0.324	ppbv	98
58) Ethyl Benzene	12.86	91	30952	0.068	ppbv #	80

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

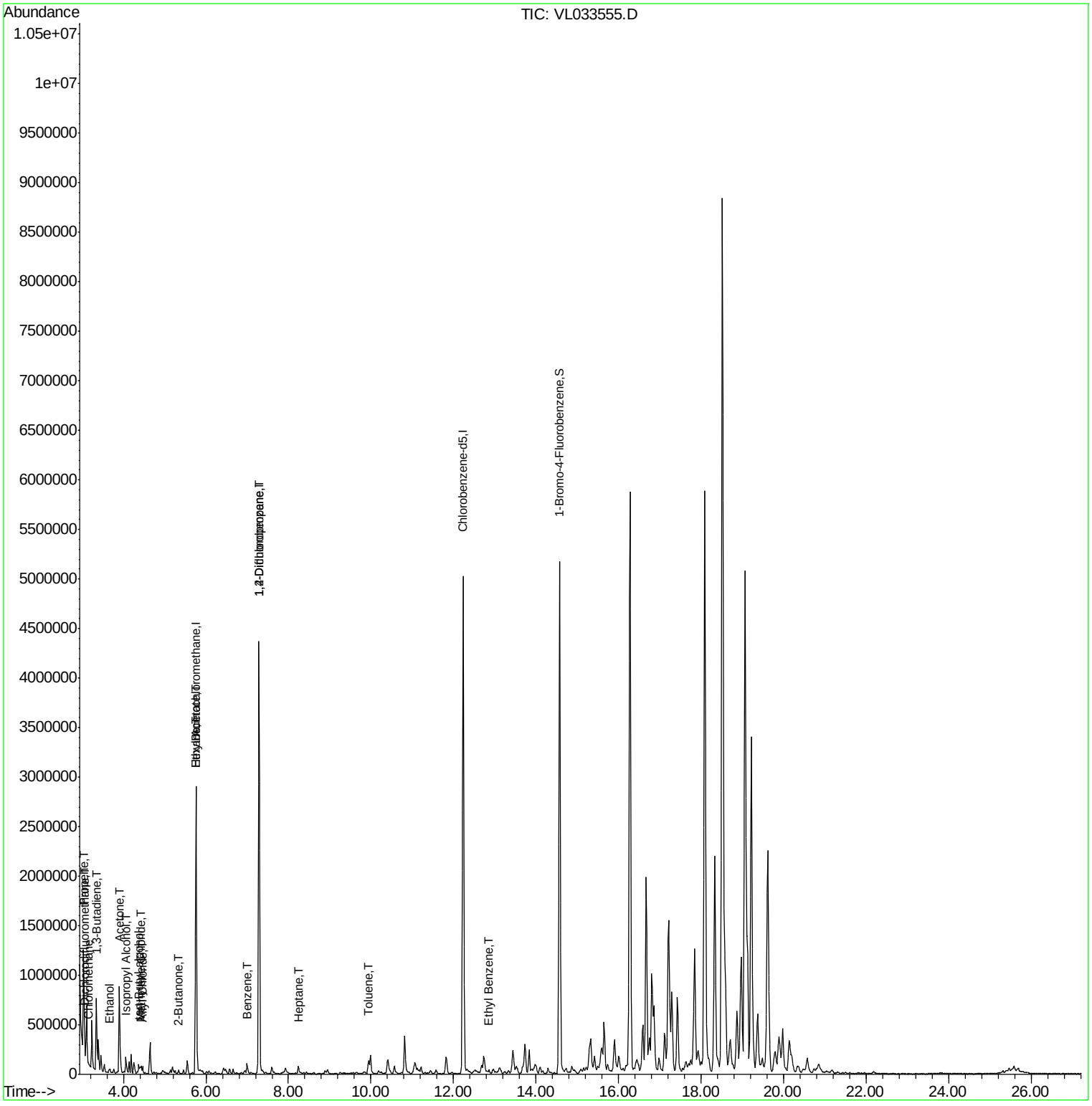
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

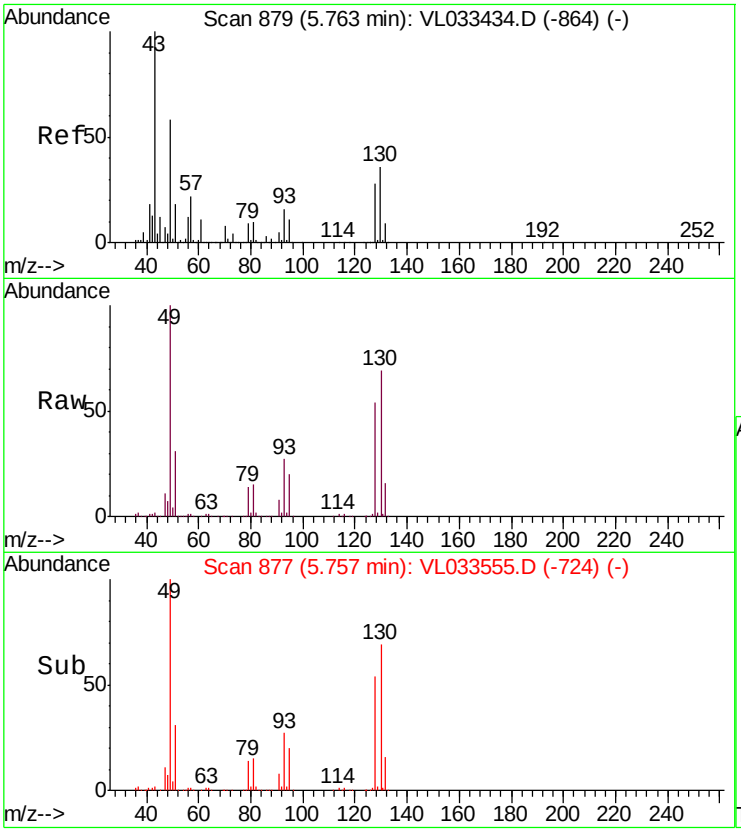
Quantitation Report (Not Reviewed)

Data File : VL033555.D
Acq On : 5 Apr 2019 5:26
Operator : SY/AP
Sample : K2226-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV3DL

Quant Time: Apr 05 06:46:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



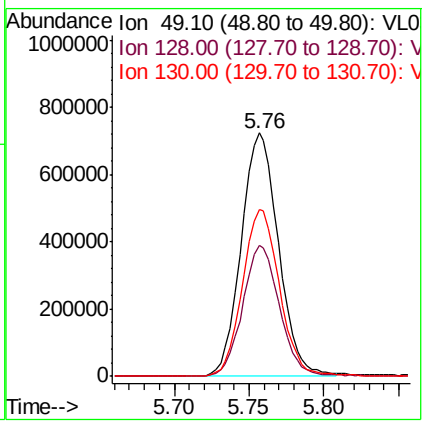


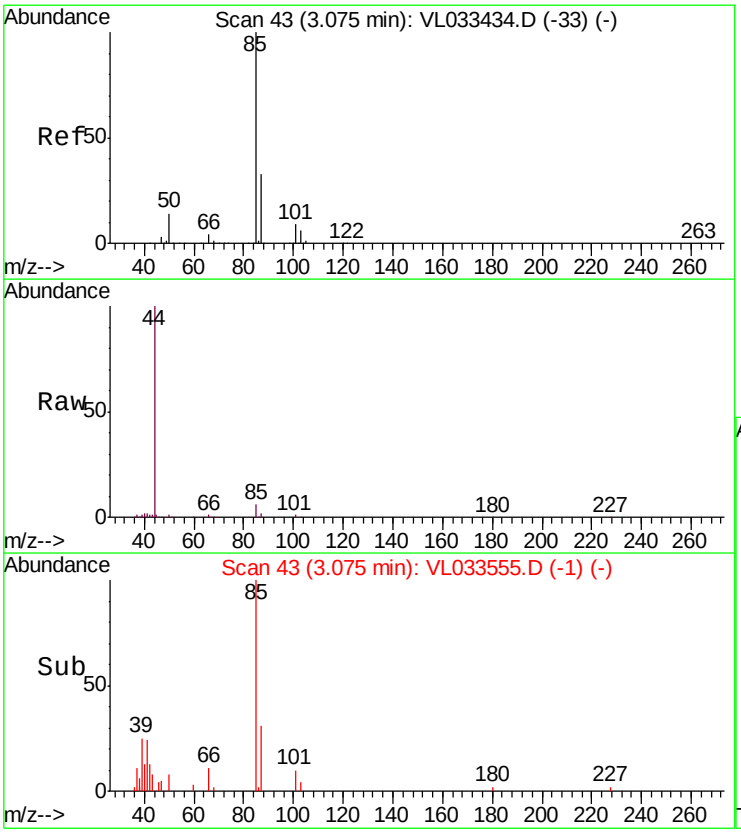
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 49 Resp: 1254904

Ion	Ratio	Lower	Upper
49	100		
128	53.3	24.0	72.0
130	68.6	31.2	93.6

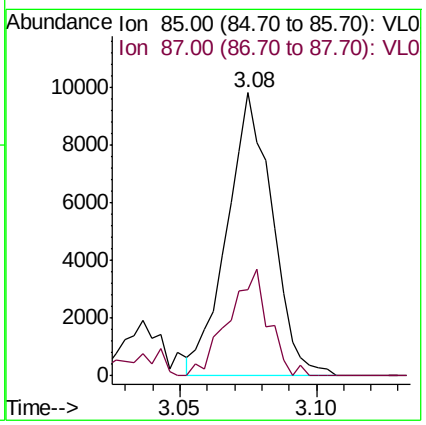


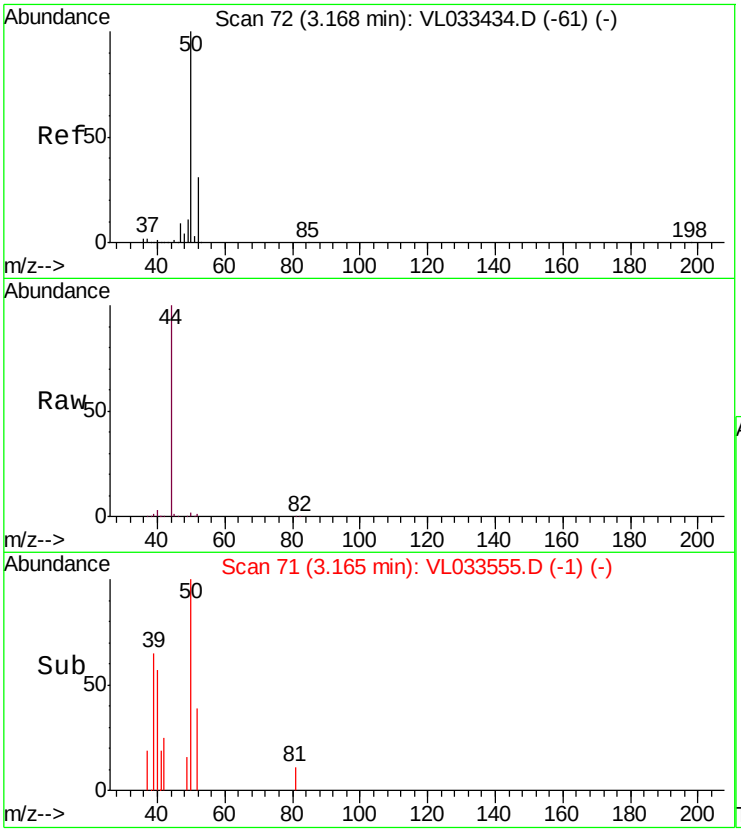


#2
Dichlorodifluoromethane
Concen: 0.062 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 85 Resp: 11321

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.7	40.1



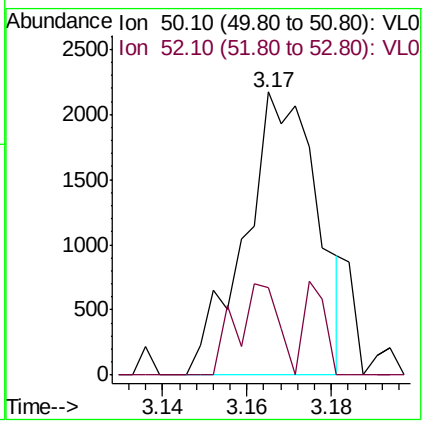


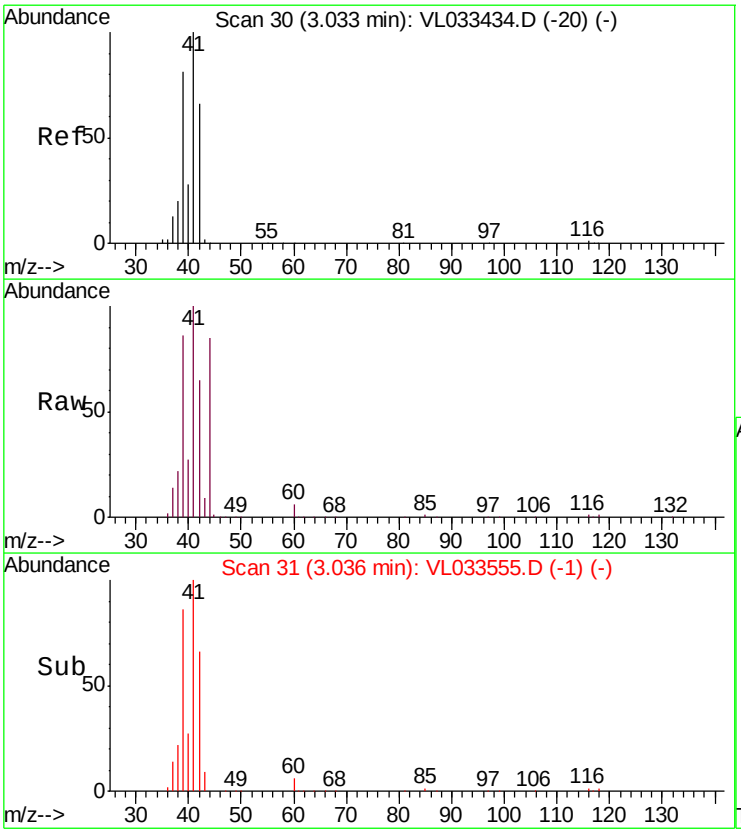
#4
Chloromethane
Concen: 0.034 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 50 Resp: 2584

Ion	Ratio	Lower	Upper
50	100		
52	27.8	25.0	37.6

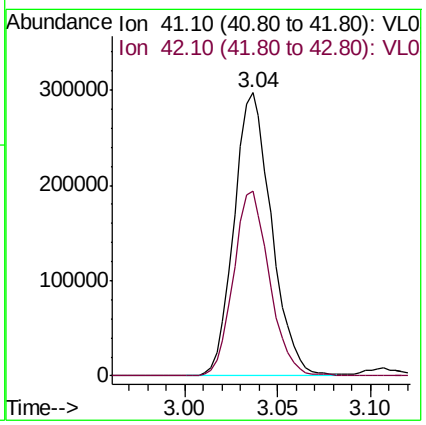


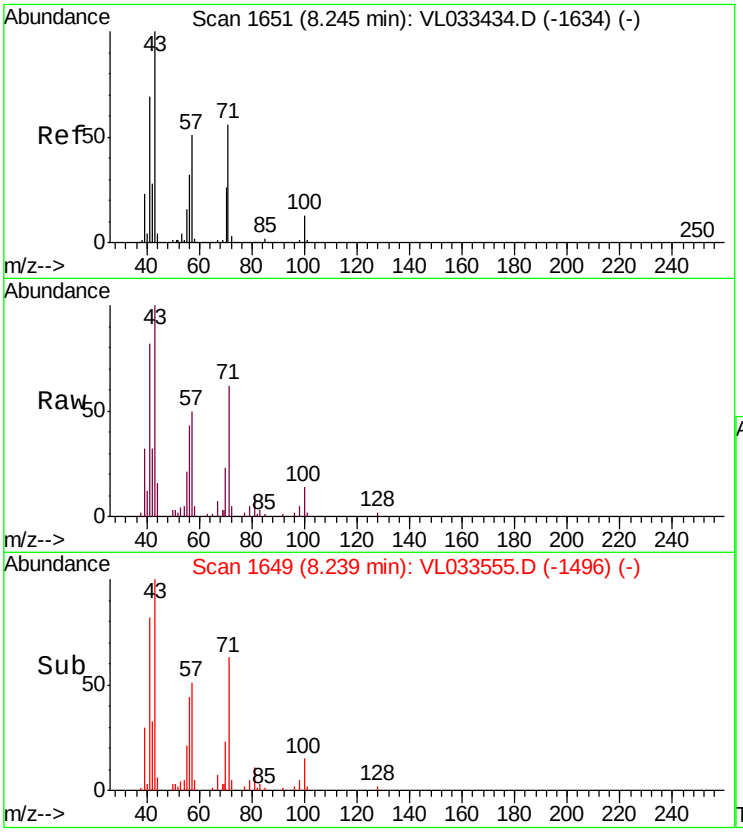


#9
Propene
Concen: 6.879 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 41 Resp: 417375

Ion	Ratio	Lower	Upper
41	100		
42	62.9	53.9	80.9



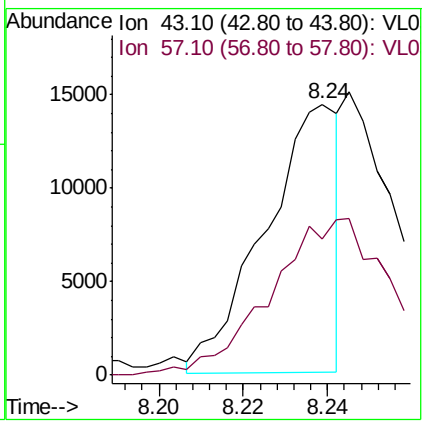


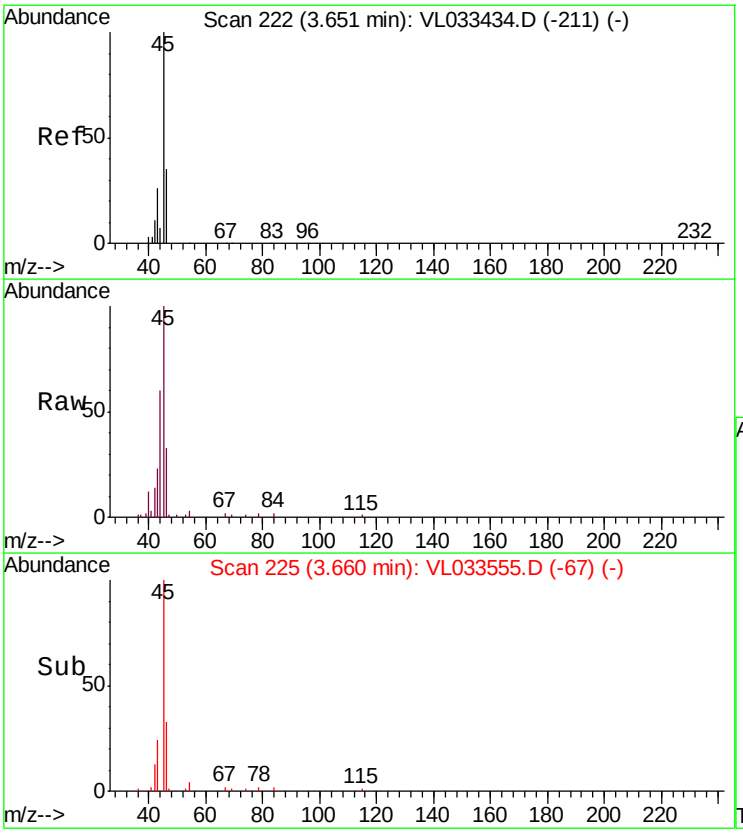
#10
Heptane
Concen: 0.107 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 43 Resp: 17334

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.6	60.8#

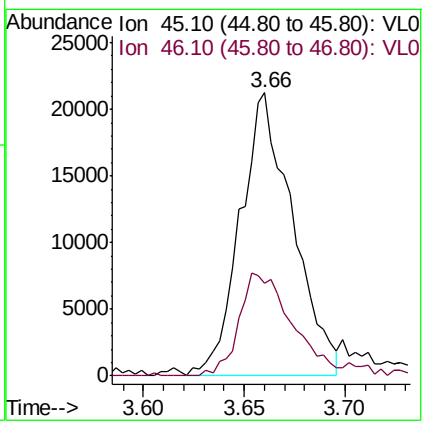


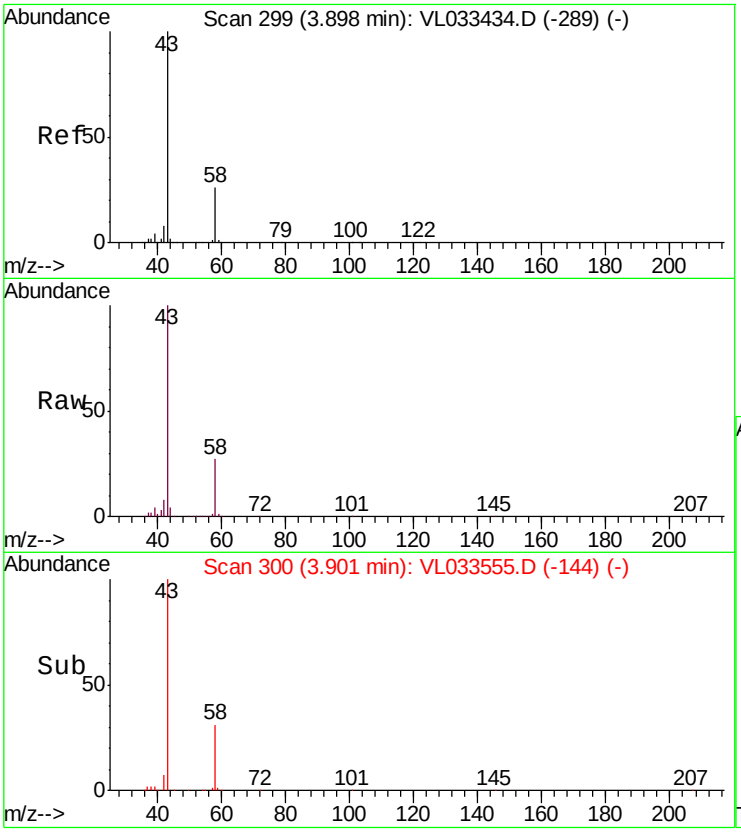


#13
Ethanol
Concen: 2.466 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 45 Resp: 38713

Ion	Ratio	Lower	Upper
45	100		
46	39.3	25.4	101.8



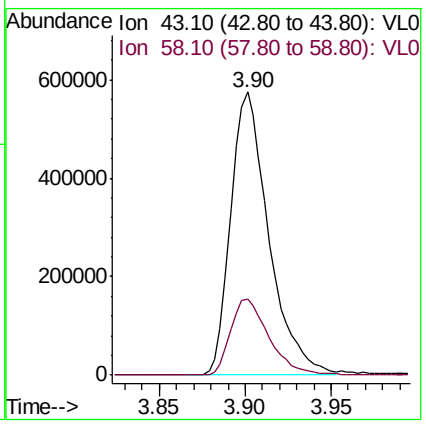


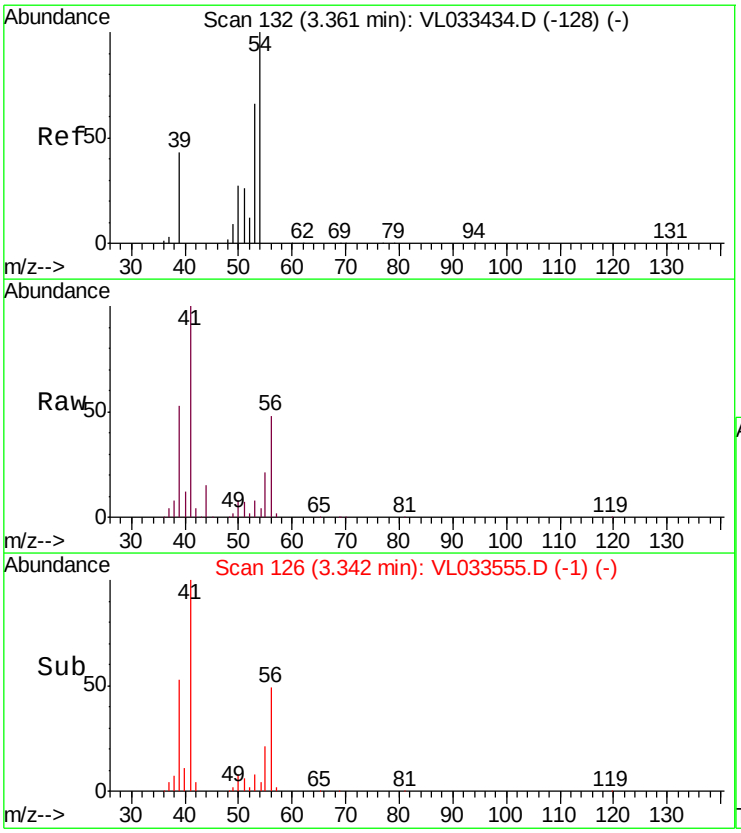
#15
Acetone
Concen: 5.863 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 43 Resp: 884689

Ion	Ratio	Lower	Upper
43	100		
58	27.5	20.5	30.7

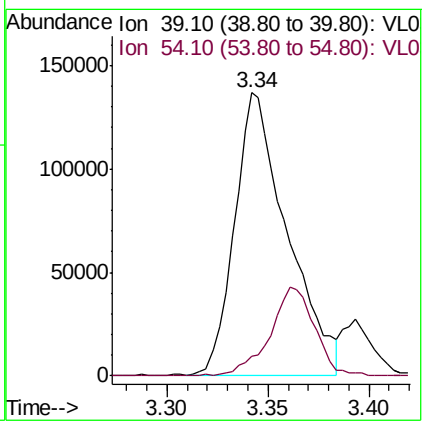


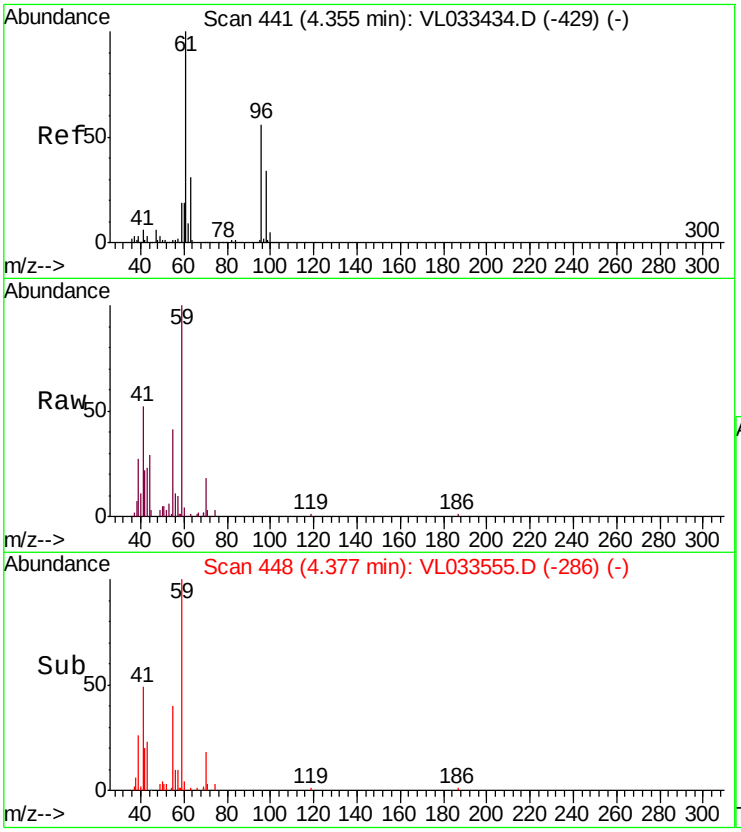


#16
1,3-Butadiene
Concen: 4.138 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 39 Resp: 247640

Ion	Ratio	Lower	Upper
39	100		
54	26.6	69.4	104.2#



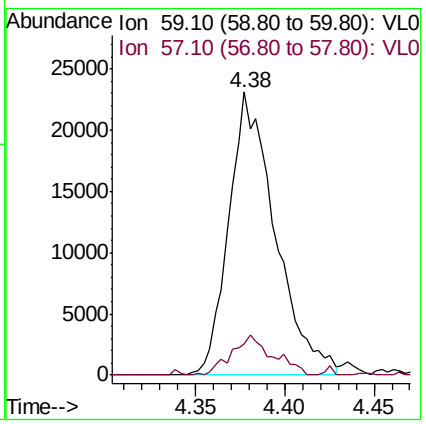


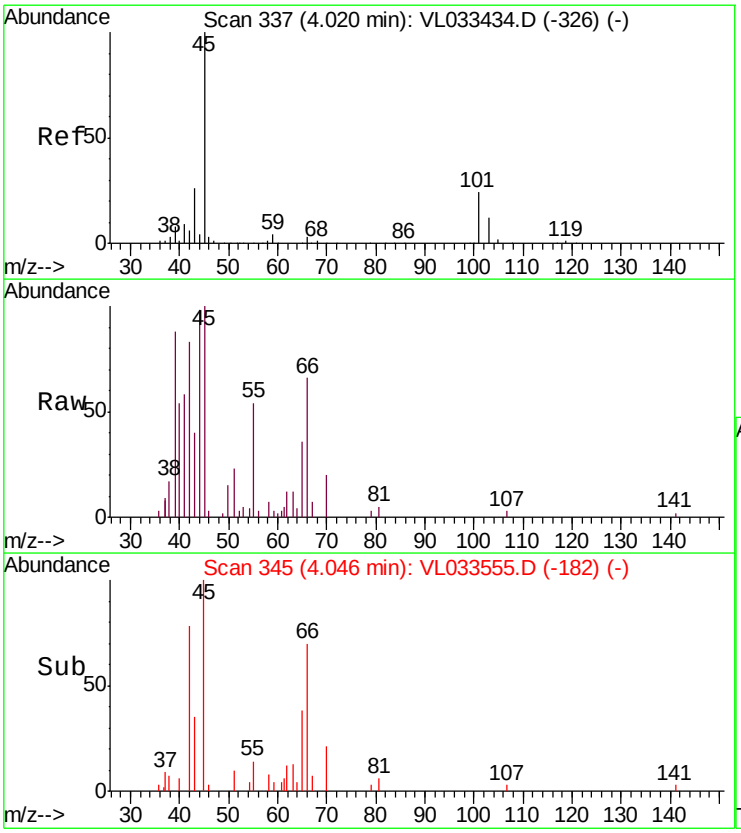
#17
tert-Butyl alcohol
Concen: 1.513 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.02 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument : MSVOA_L
ClientSampleId : SV3DL

Tgt Ion: 59 Resp: 41974

Ion	Ratio	Lower	Upper
59	100		
57	13.2	7.8	11.8#

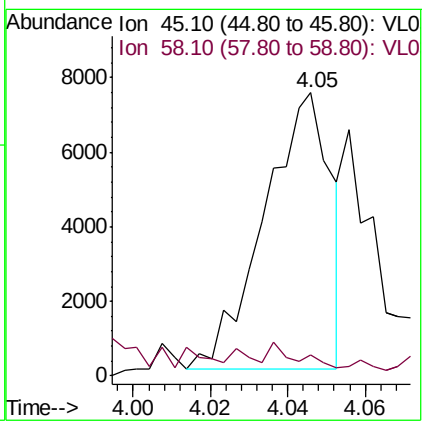


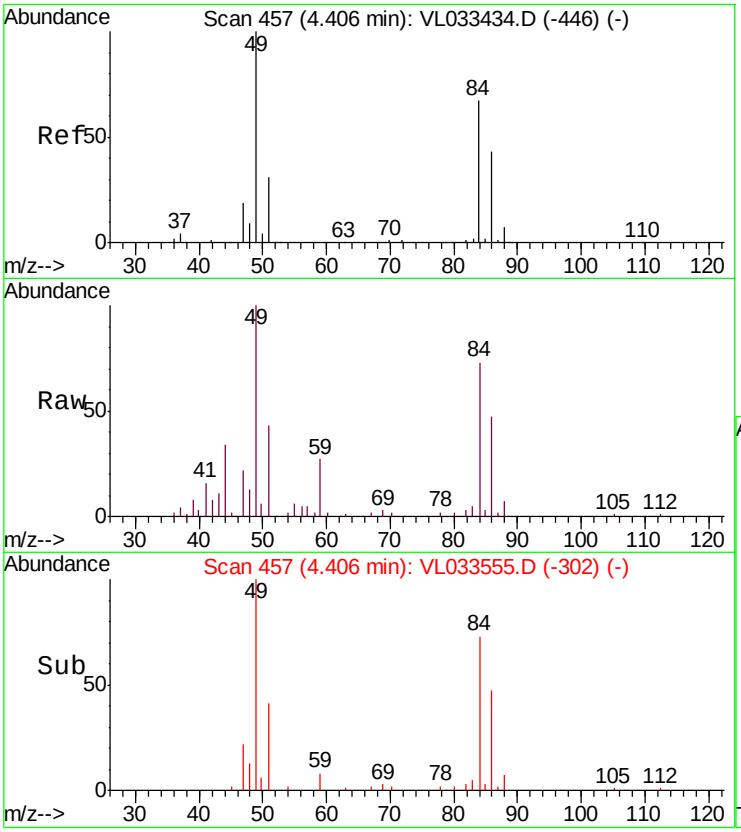


#19
Isopropyl Alcohol
Concen: 0.093 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.03 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 45 Resp: 8848

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#



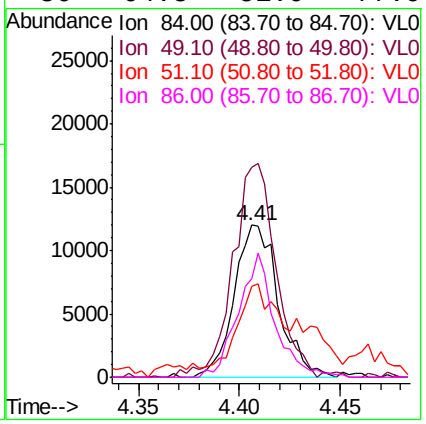


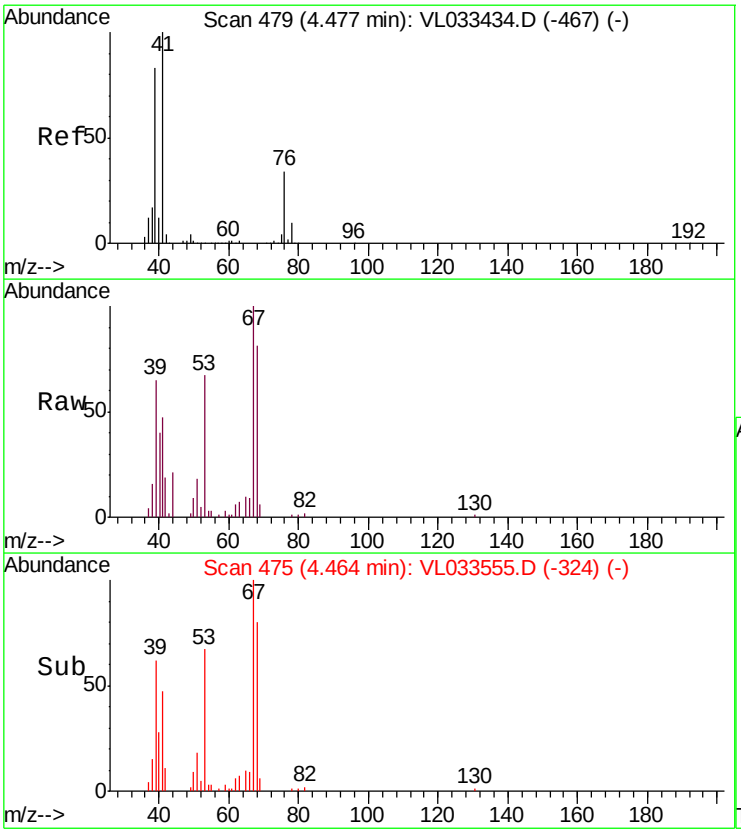
#20
Methylene Chloride
Concen: 0.287 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument : MSVOA_L
ClientSampleId : SV3DL

Tgt Ion: 84 Resp: 18411

Ion	Ratio	Lower	Upper
84	100		
49	143.3	120.0	180.0
51	55.0	36.7	55.1
86	64.8	51.9	77.9

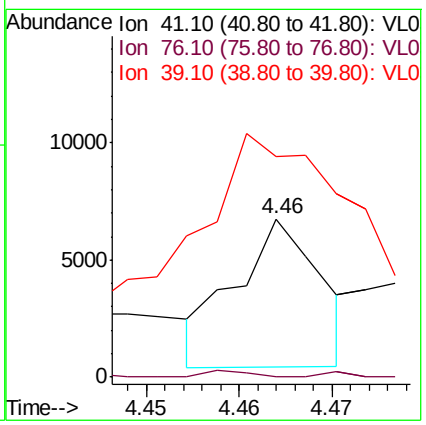


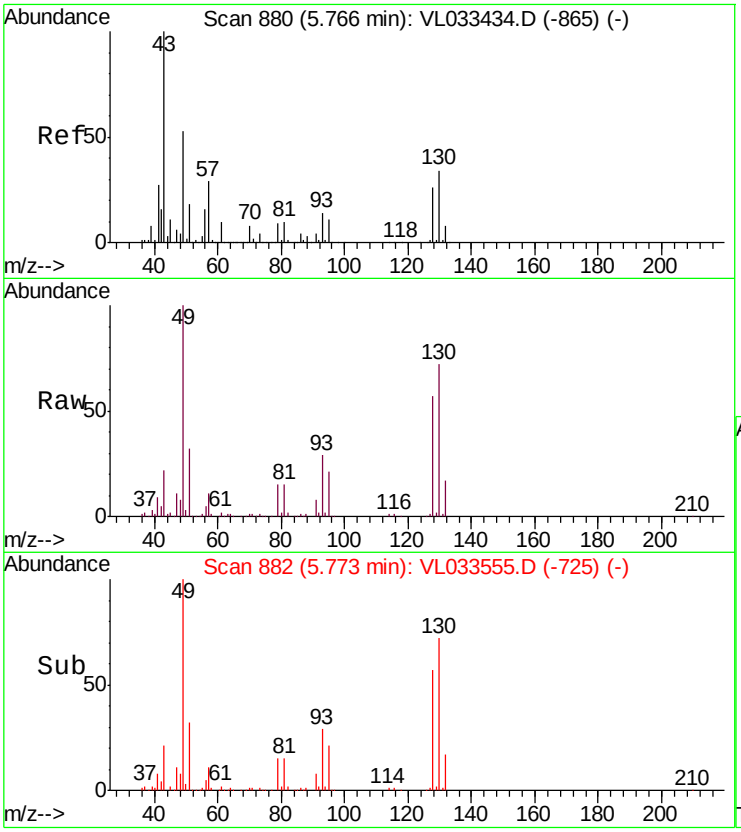


#21
Allyl Chloride
Concen: 0.042 ppbv
RT: 4.46 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 41 Resp: 4039

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.2#
39	351.3	65.3	97.9#



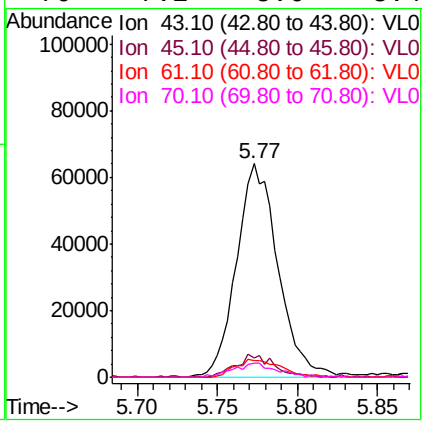


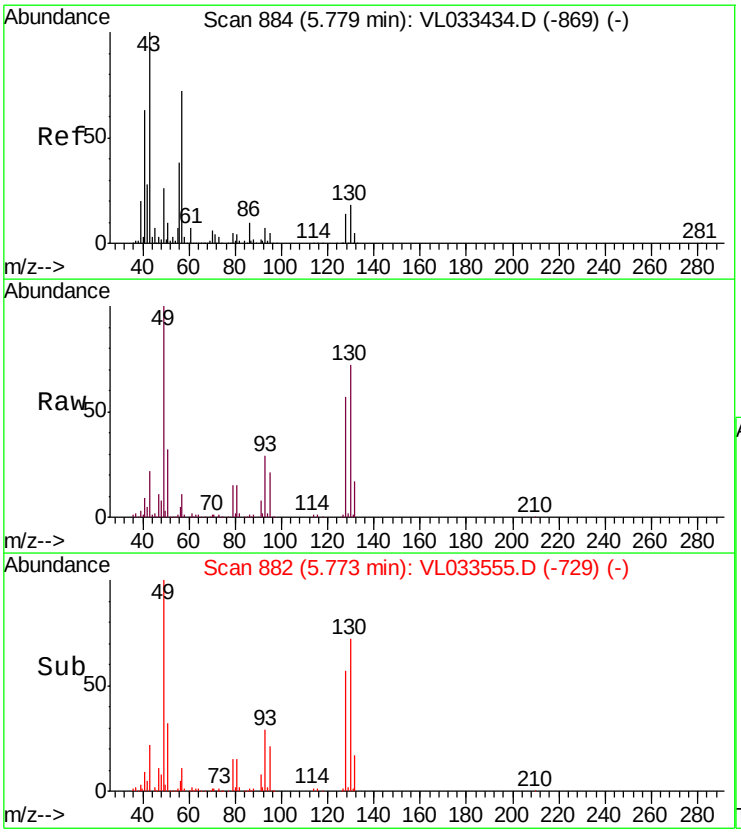
#25
Ethyl Acetate
Concen: 0.404 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 43 Resp: 113124

Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.8	11.6
61	9.4	7.3	10.9
70	7.2	5.6	8.4

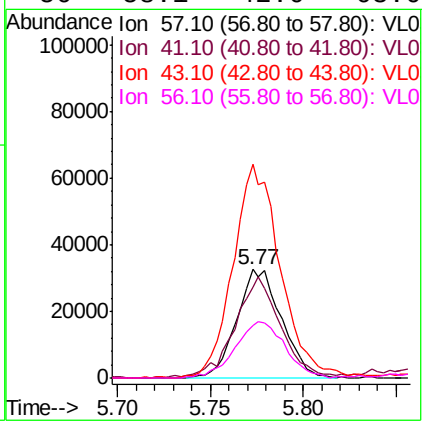


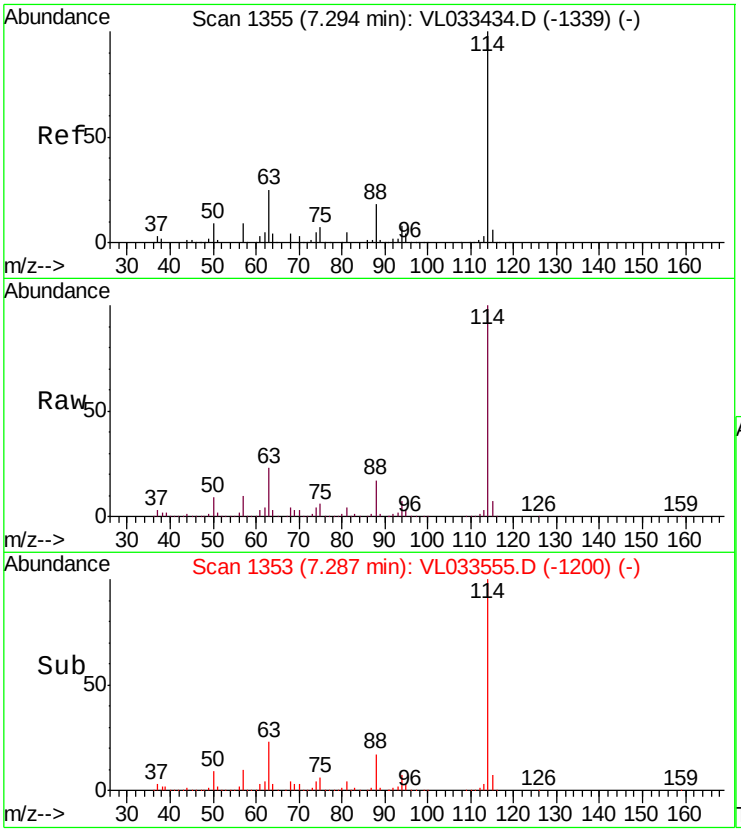


#26
Hexane
Concen: 0.437 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 57 Resp: 54352

Ion	Ratio	Lower	Upper
57	100		
41	96.7	70.7	106.1
43	209.6	182.6	274.0
56	58.1	42.0	63.0



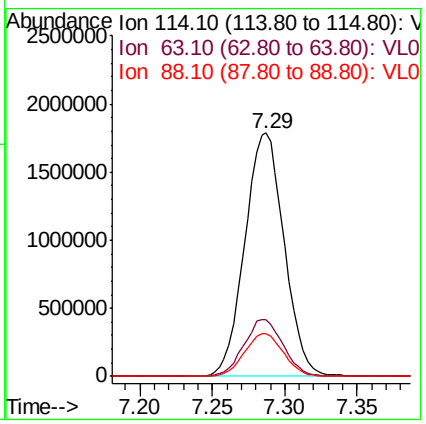


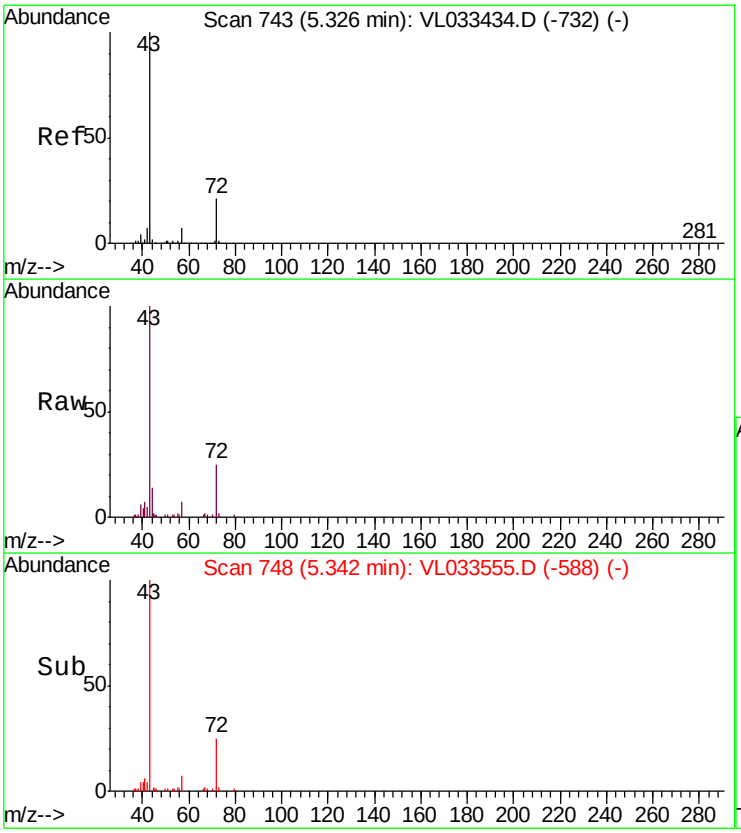
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion:114 Resp: 3375598

Ion	Ratio	Lower	Upper
114	100		
63	23.3	21.5	32.3
88	17.4	14.5	21.7

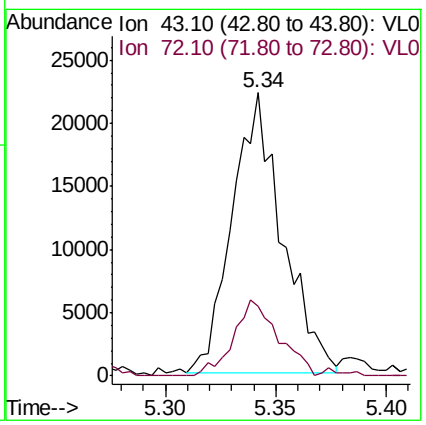


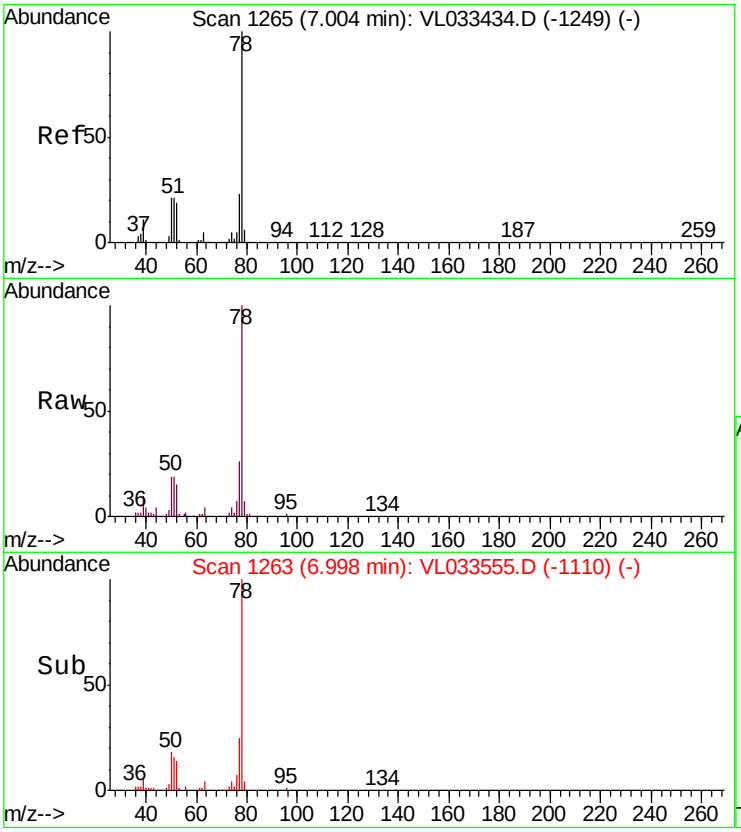


#34
2-Butanone
Concen: 0.173 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.02 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 43 Resp: 34995

Ion	Ratio	Lower	Upper
43	100		
72	25.3	17.4	26.2



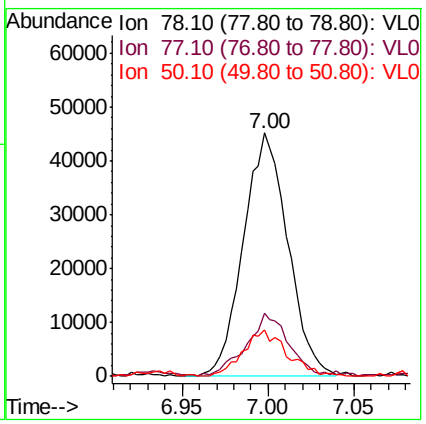


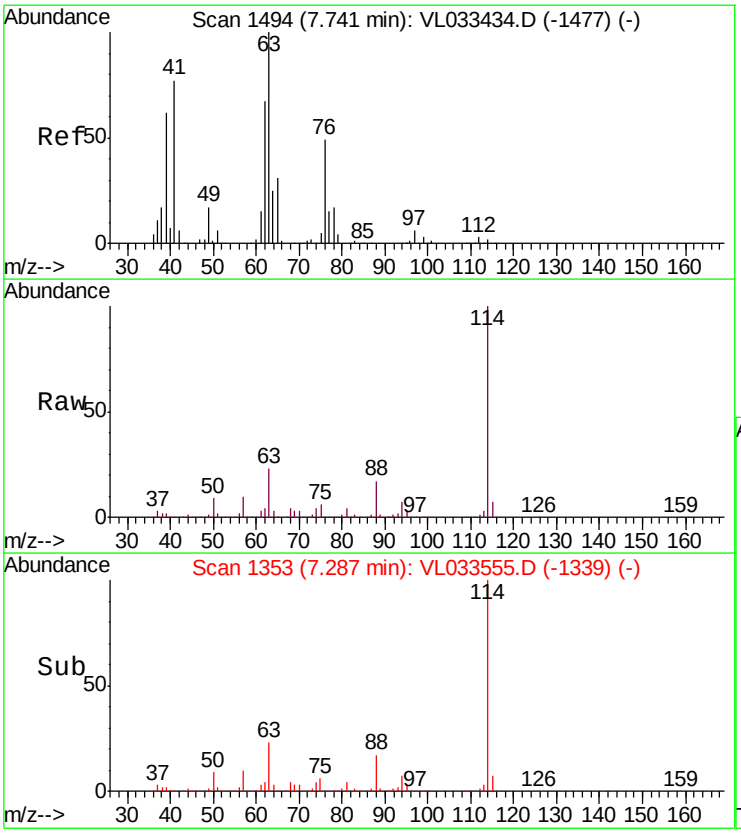
#36
Benzene
Concen: 0.286 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 78 Resp: 81057

Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.1	27.1
50	18.3	16.7	25.1

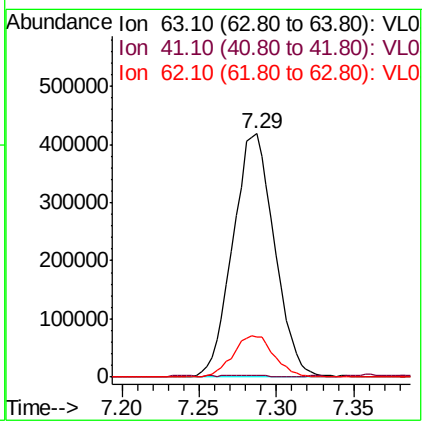


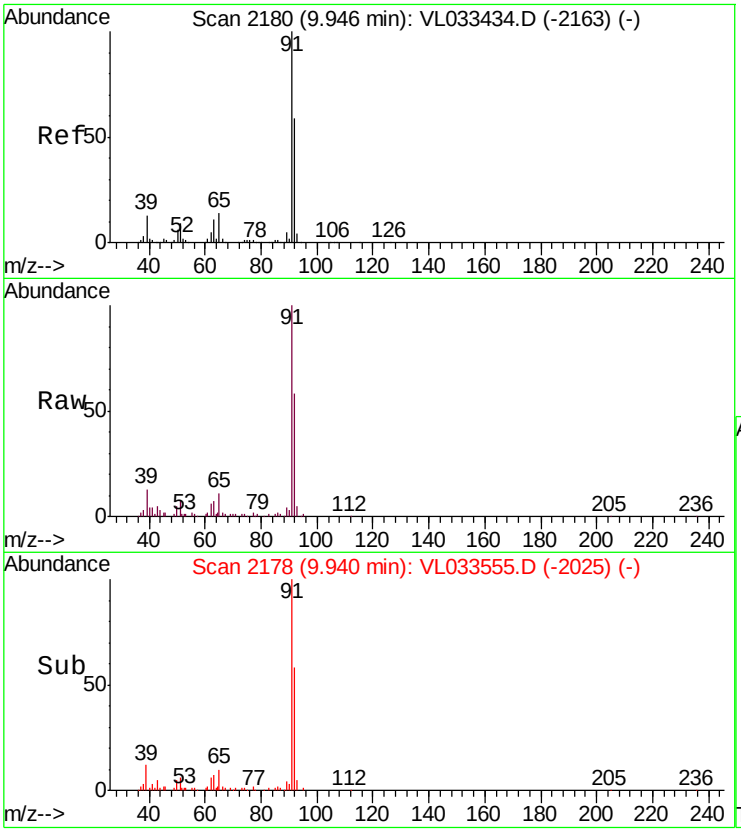


#39
1,2-Dichloropropane
Concen: 7.063 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 63 Resp: 783675

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.2	91.8#
62	16.4	54.0	81.0#



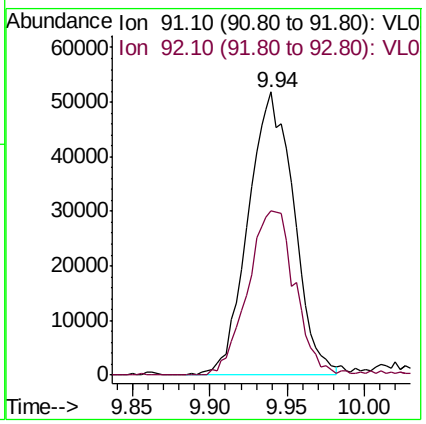


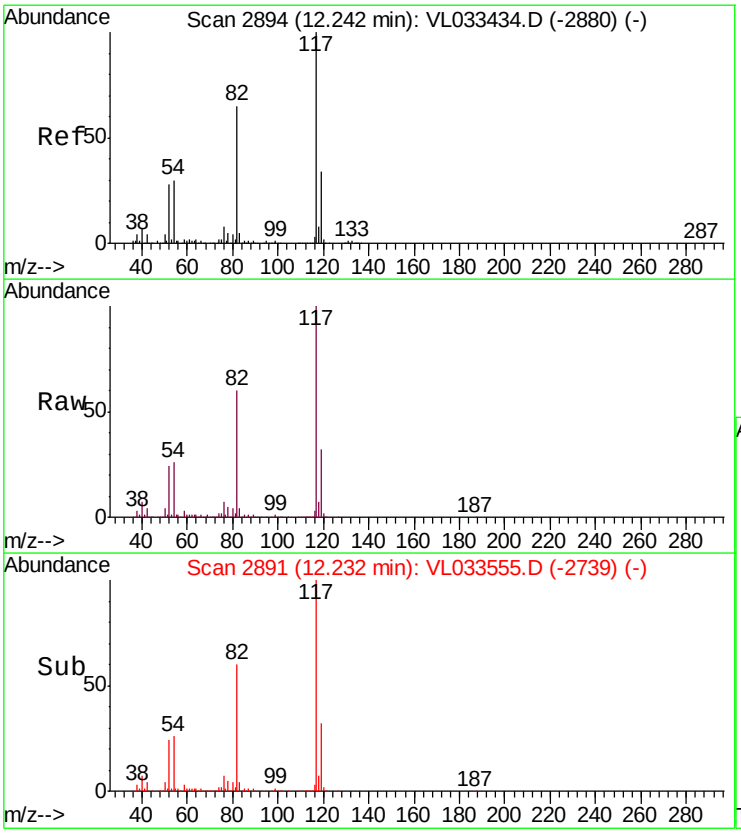
#53
Toluene
Concen: 0.324 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 106500

Ion	Ratio	Lower	Upper
91	100		
92	60.4	47.4	71.0

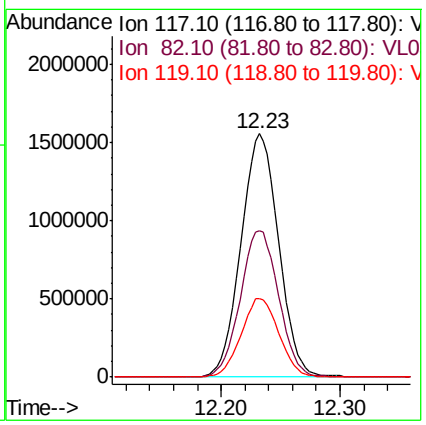


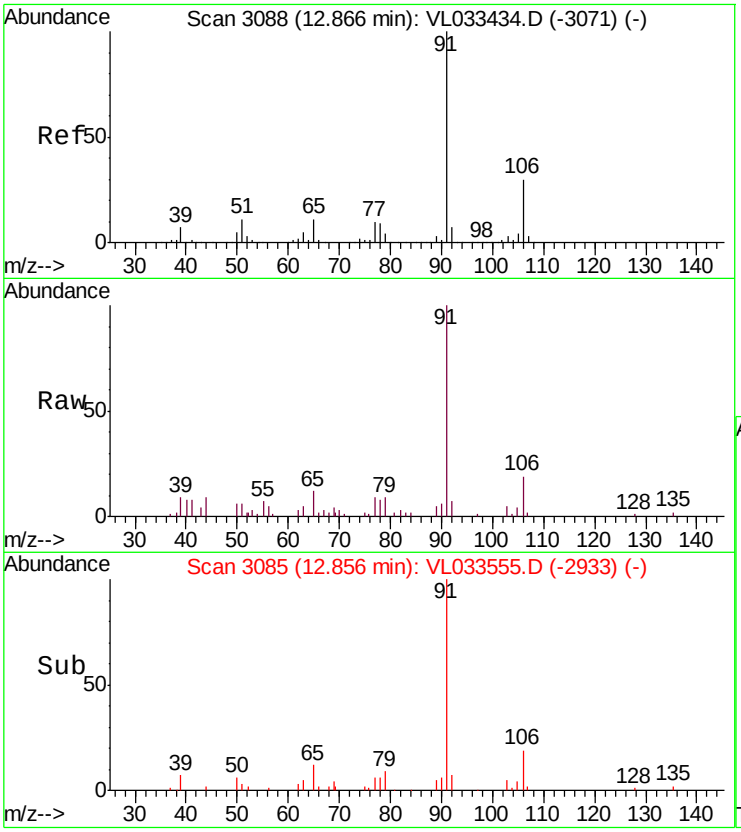


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion:117 Resp: 3412030

Ion	Ratio	Lower	Upper
117	100		
82	61.3	51.5	77.3
119	32.5	25.5	38.3



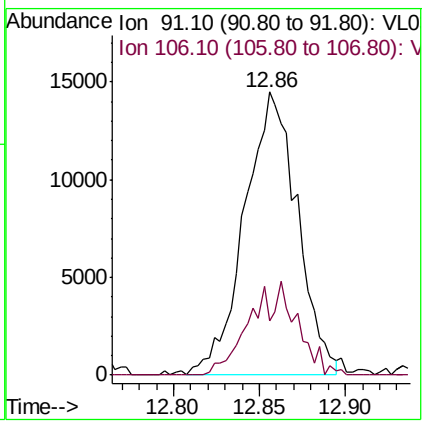


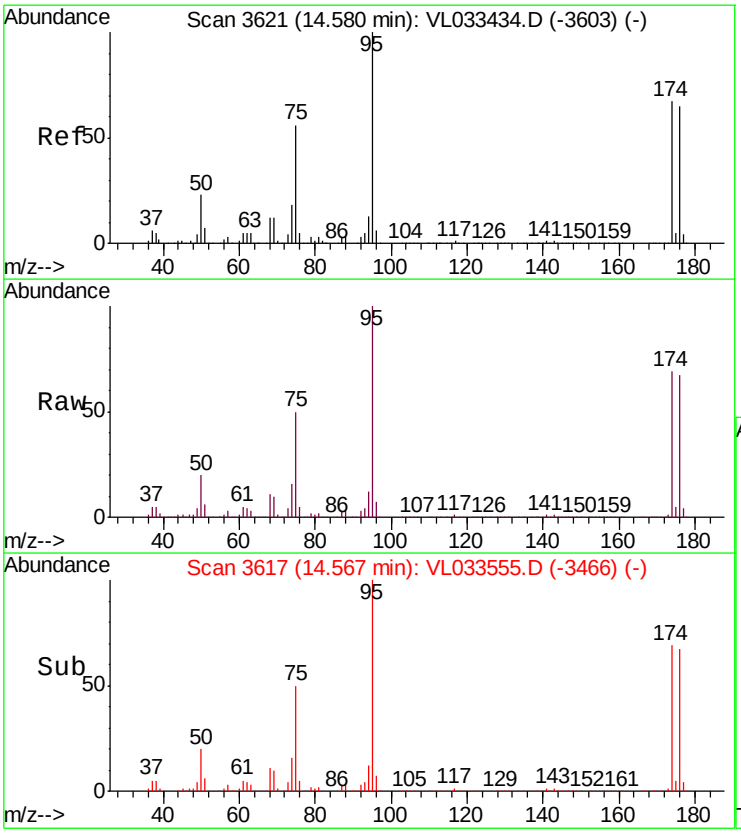
#58
Ethyl Benzene
Concen: 0.068 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 30952

Ion	Ratio	Lower	Upper
91	100		
106	19.0	23.8	35.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.597 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 95 Resp: 2567240

Ion	Ratio	Lower	Upper
95	100		
174	70.9	52.9	79.3
175	5.1	3.8	5.6