Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034485.D
Acq On : 10 Dec 2019 4:46
Operator : SY/AP
Sample : K6181-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Quant Time: Dec 10 07:15:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	926834	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1817166	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1824906	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1585740	10.33	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	9869	0.059	ppbv #	71
3) Chlorodifluoromethane	2.96	51	5776	0.050	ppbv	99
9) Propene	3.18	41	27123	0.528	ppbv	97
10) Heptane	8.15	43	5982	0.045	ppbv #	55
13) Ethanol	3.60	45	60616	4.238	ppbv	97
15) Acetone	3.85	43	168643	1.271	ppbv #	85
16) 1,3-Butadiene	3.29	39	12589	0.218	ppbv #	23
19) Isopropyl Alcohol	3.98	45	15055	0.177	ppbv #	1
20) Methylene Chloride	4.34	84	13656	0.290	ppbv	90
21) Allyl Chloride	4.36	41	3200	0.040	ppbv #	15
25) Ethyl Acetate	5.69	43	19727	0.083	ppbv #	81
26) Hexane	5.69	57	11669	0.115	ppbv #	1
34) 2-Butanone	5.27	43	11962	0.080	ppbv #	83
36) Benzene	6.91	78	39140	0.215	ppbv	98
39) 1,2-Dichloropropane	7.20	63	533458	7.623	ppbv #	24
44) 2,2,4-Trimethylpentane	7.90	57	11277	0.034	ppbv #	41
53) Toluene	9.84	91	83828	0.406	ppbv	100
58) Ethyl Benzene	13.01	91	16191	0.057	ppbv	92

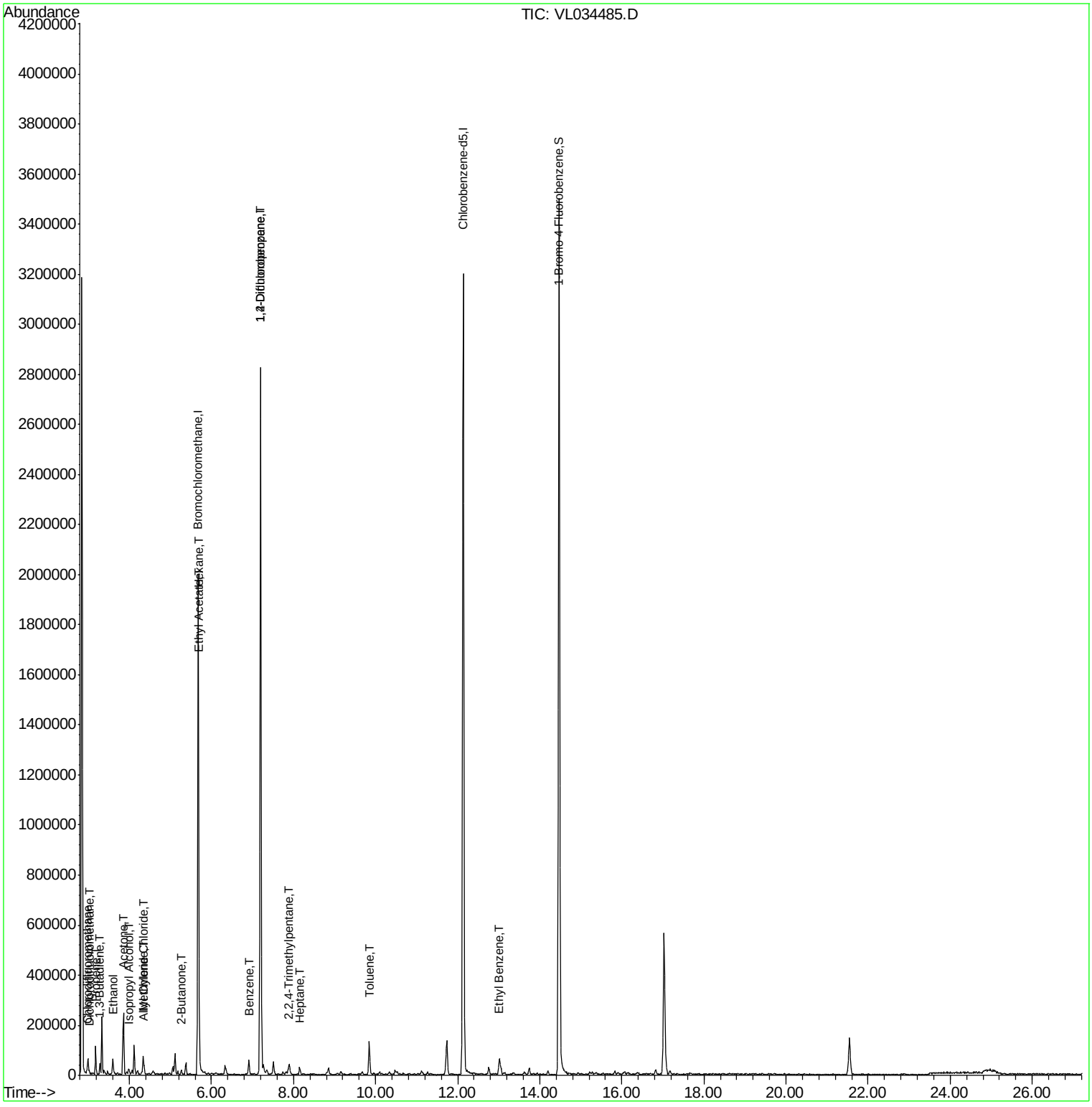
(#) = qualifier out of range (m) = manual integration (+) = signals summed

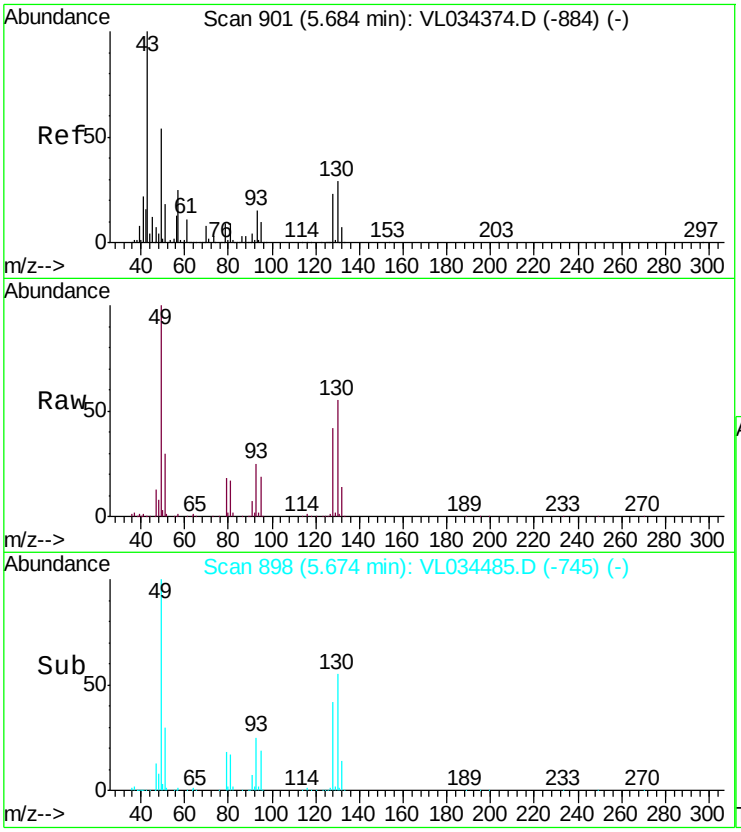
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034485.D
Acq On : 10 Dec 2019 4:46
Operator : SY/AP
Sample : K6181-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Quant Time: Dec 10 07:15:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



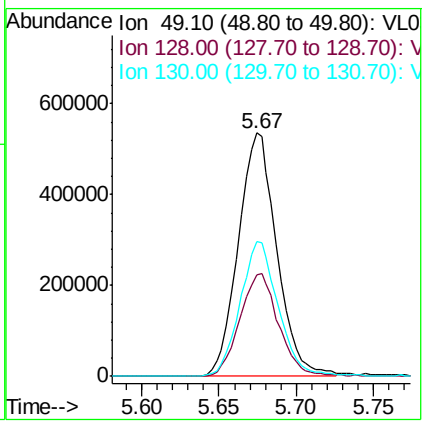


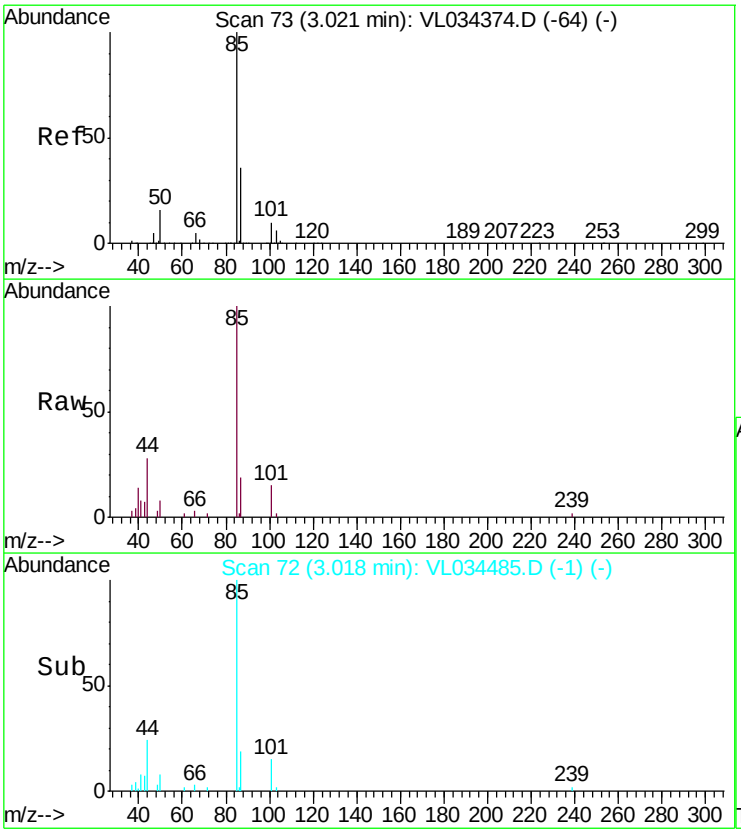
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Tgt Ion: 49 Resp: 926834

Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.8	65.3
130	55.0	28.0	84.0

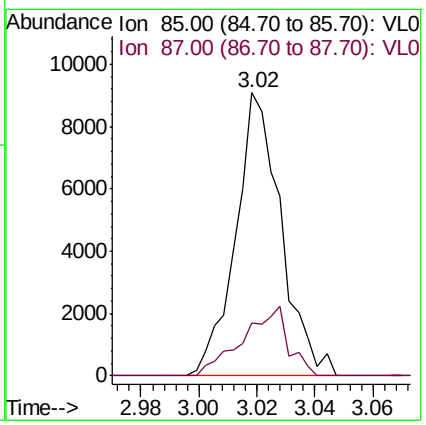


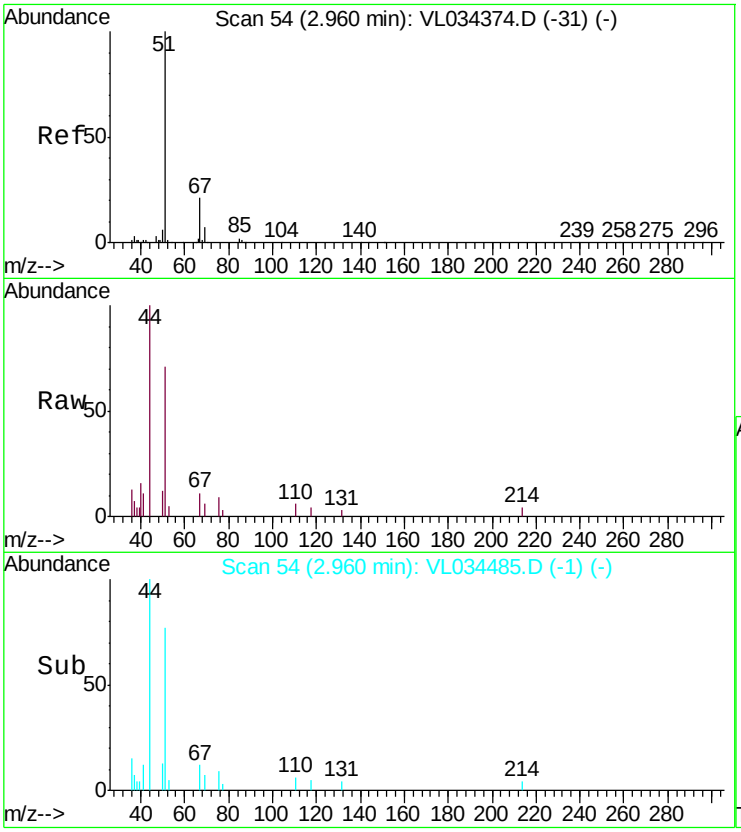


#2
Dichlorodifluoromethane
Concen: 0.059 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 85 Resp: 9869

Ion	Ratio	Lower	Upper
85	100		
87	18.8	28.5	42.7#



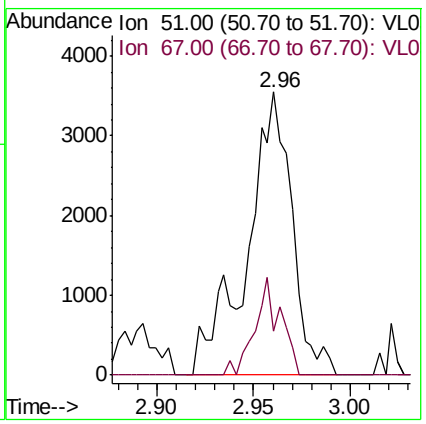


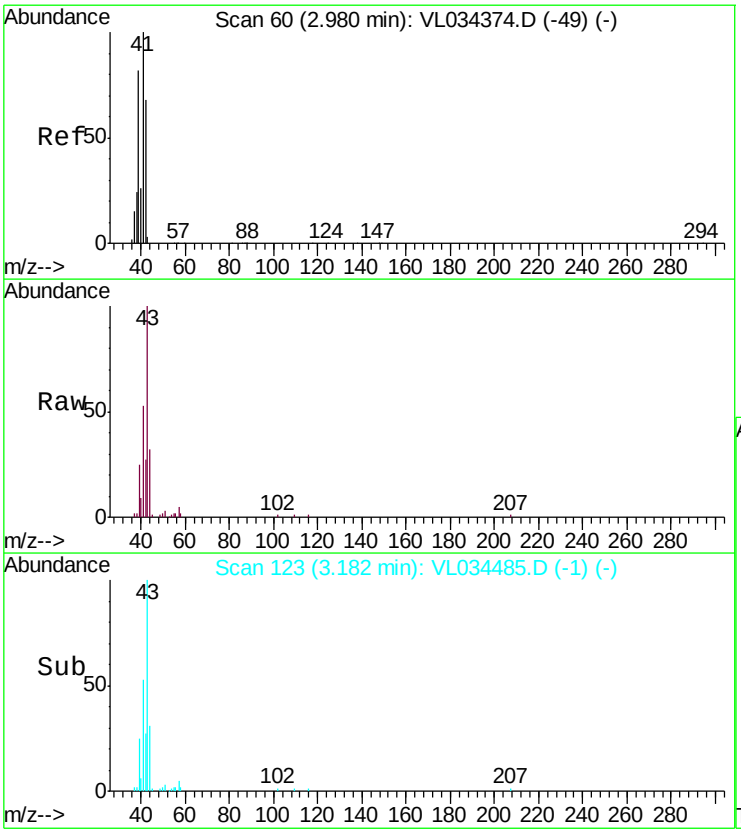
#3
Chlorodifluoromethane
Concen: 0.050 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument :
MSVOA_L
ClientSampleId :
1A-3DL

Tgt Ion: 51 Resp: 5776

Ion	Ratio	Lower	Upper
51	100		
67	19.7	16.2	24.2

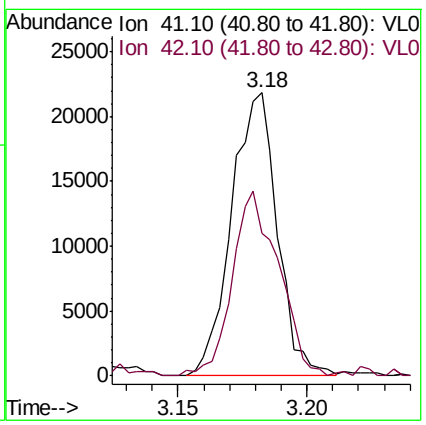


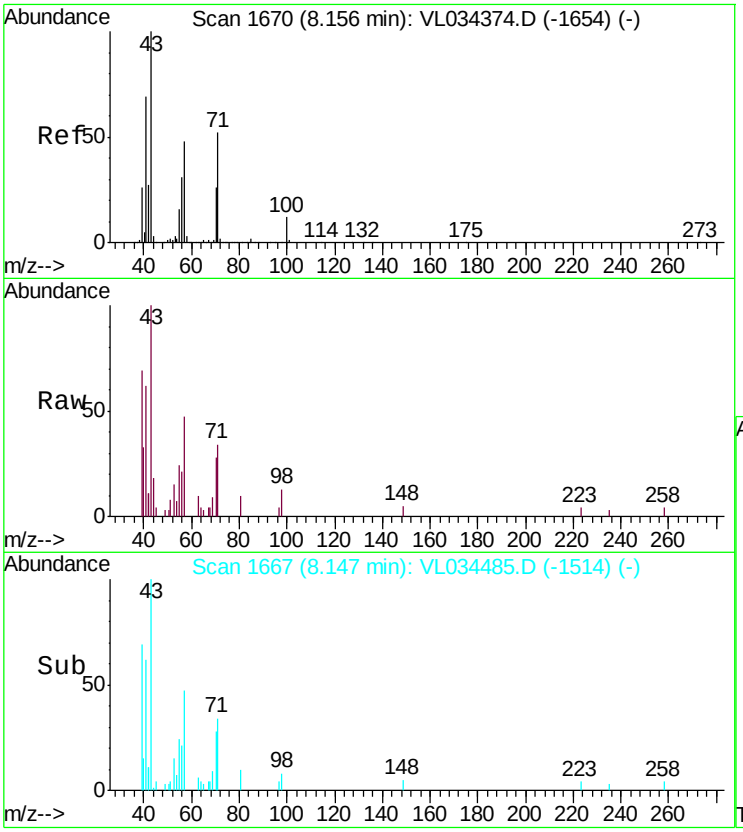


#9
Propene
Concen: 0.528 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.20 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 41 Resp: 27123

Ion	Ratio	Lower	Upper
41	100		
42	66.0	54.6	82.0



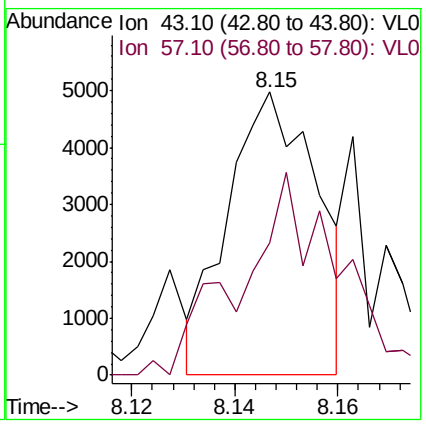


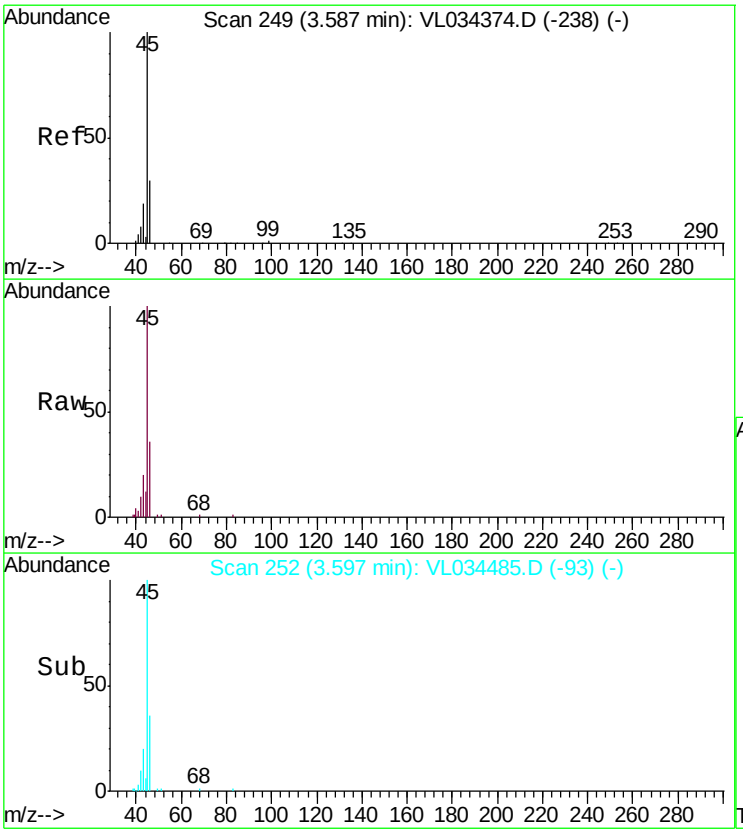
#10
Heptane
Concen: 0.045 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument :
MSVOA_L
ClientSampleId :
1A-3DL

Tgt Ion: 43 Resp: 5982

Ion	Ratio	Lower	Upper
43	100		
57	81.2	40.2	60.2#

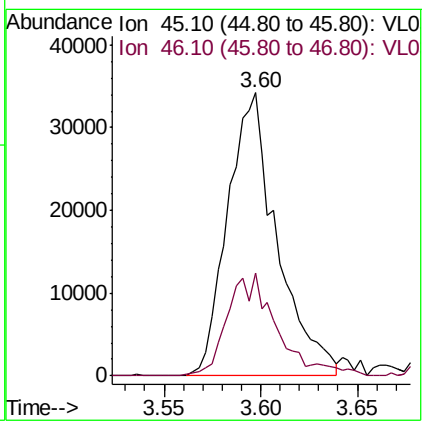


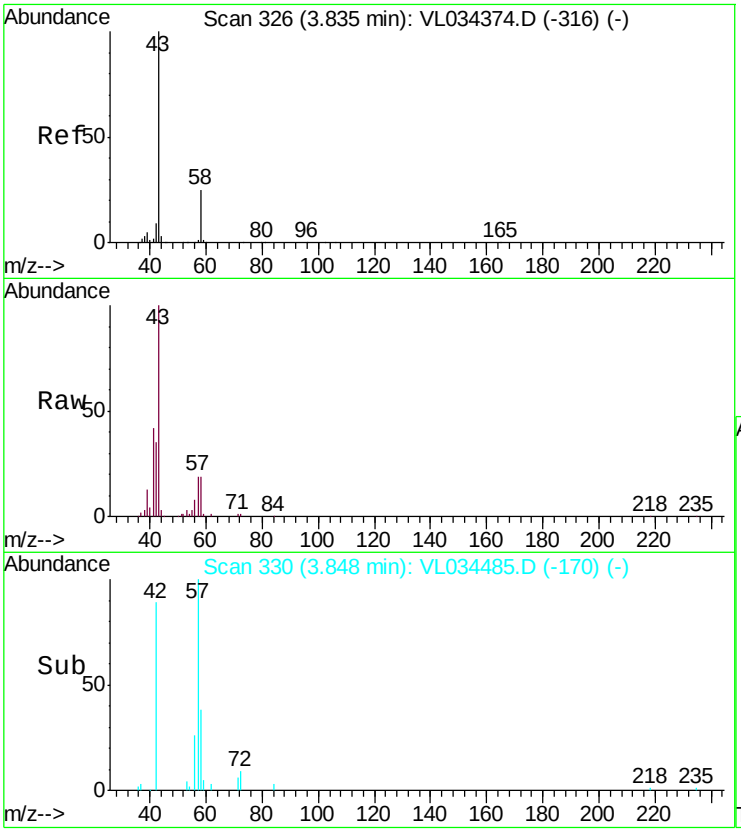


#13
Ethanol
Concen: 4.238 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 45 Resp: 60616

Ion	Ratio	Lower	Upper
45	100		
46	36.3	13.8	55.4



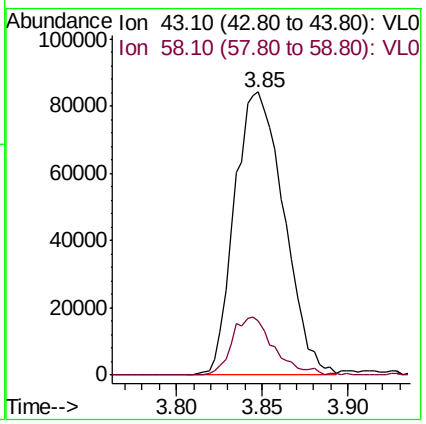


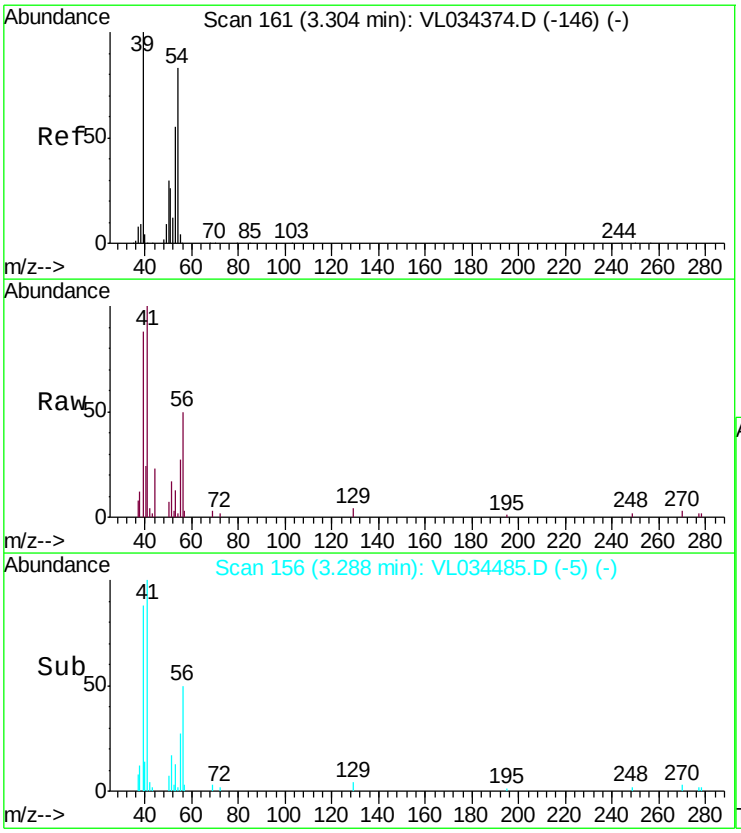
#15
Acetone
Concen: 1.271 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument :
MSVOA_L
ClientSampleId :
1A-3DL

Tgt Ion: 43 Resp: 168643

Ion	Ratio	Lower	Upper
43	100		
58	17.6	20.2	30.4#

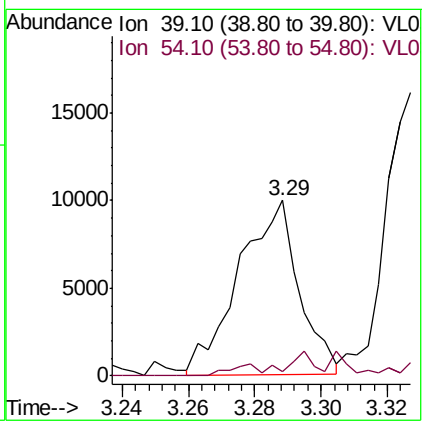


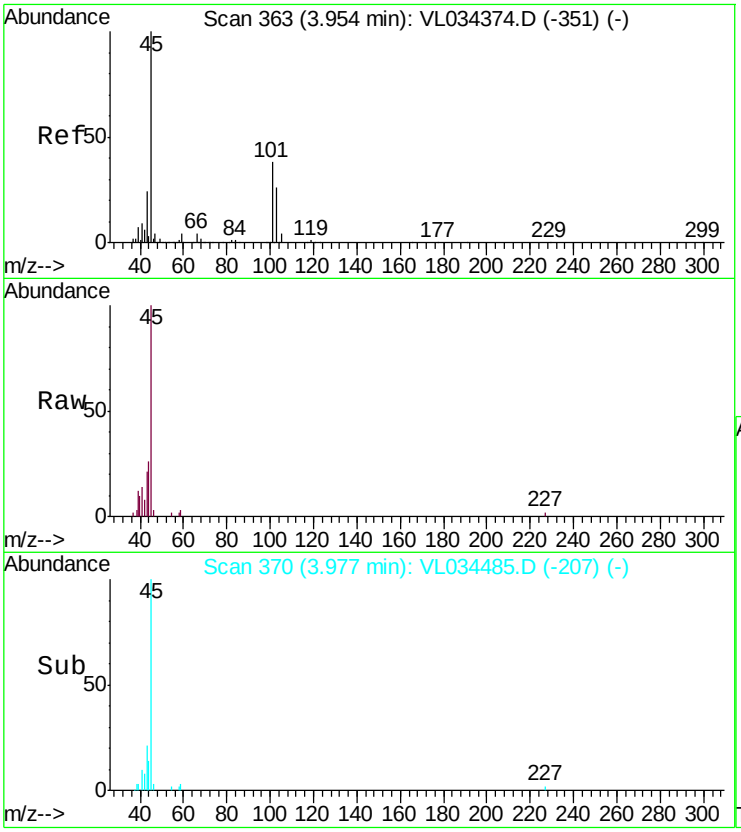


#16
1,3-Butadiene
Concen: 0.218 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.02 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 39 Resp: 12589

Ion	Ratio	Lower	Upper
39	100		
54	12.6	64.7	97.1#



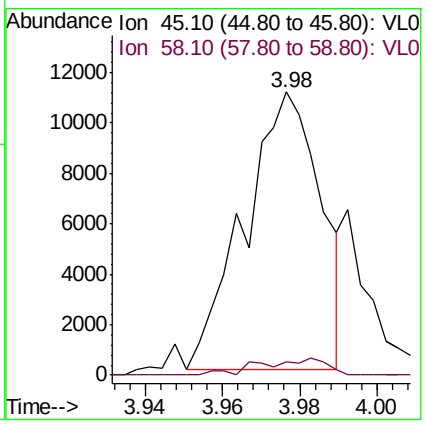


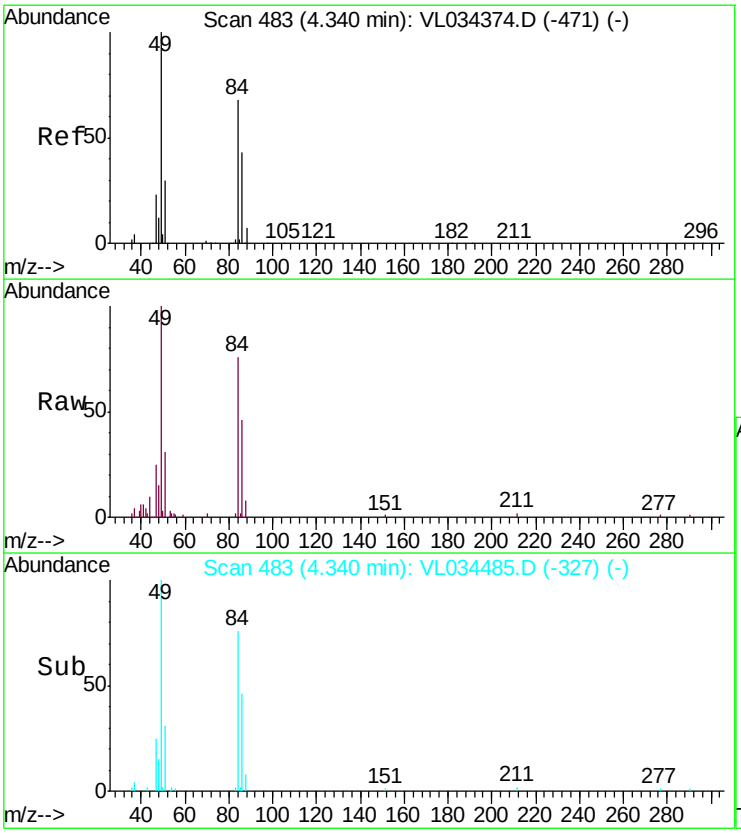
#19
Isopropyl Alcohol
Concen: 0.177 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Tgt Ion: 45 Resp: 15055

Ion	Ratio	Lower	Upper
45	100		
58	197.0	1.3	1.9#

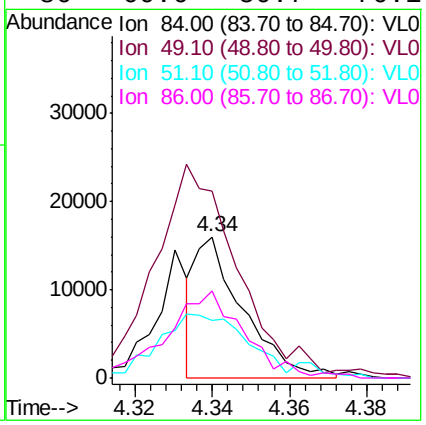


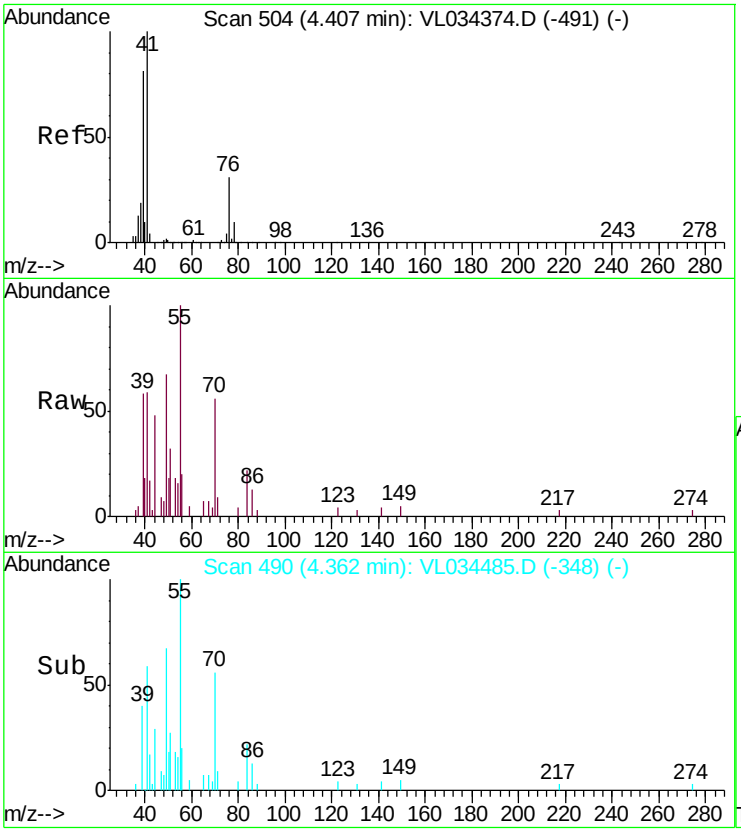


#20
Methylene Chloride
Concen: 0.290 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 84 Resp: 13656

Ion	Ratio	Lower	Upper
84	100		
49	130.1	116.8	175.2
51	39.7	35.6	53.4
86	60.6	50.7	76.1



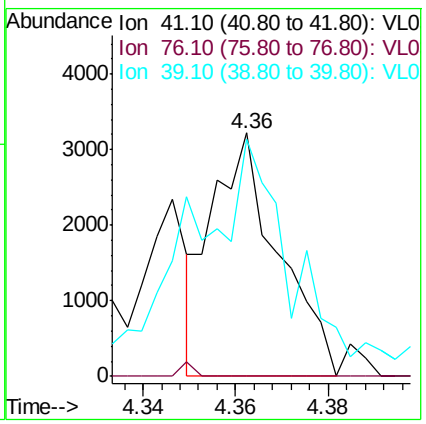


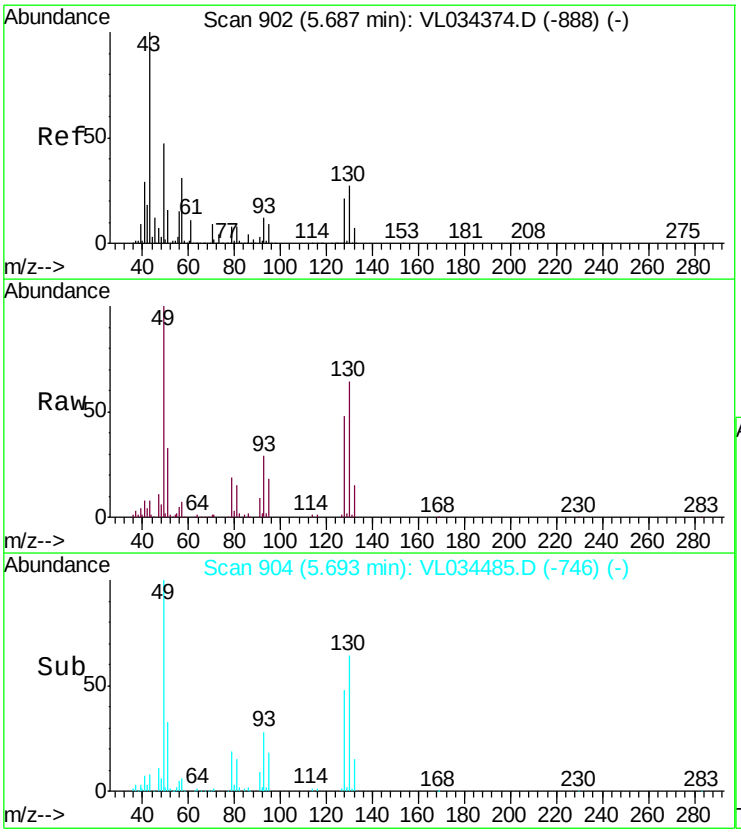
#21
Allyl Chloride
Concen: 0.040 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.04 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Tgt Ion: 41 Resp: 3200

Ion	Ratio	Lower	Upper
41	100		
76	5.0	24.2	36.2#
39	172.5	66.9	100.3#

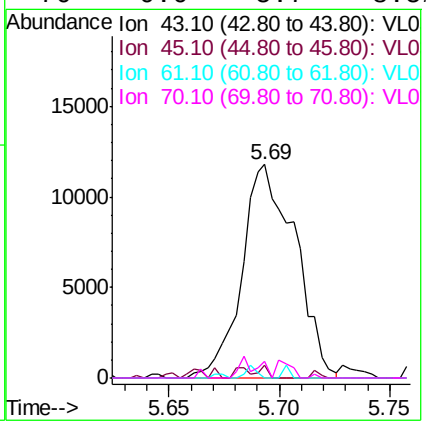


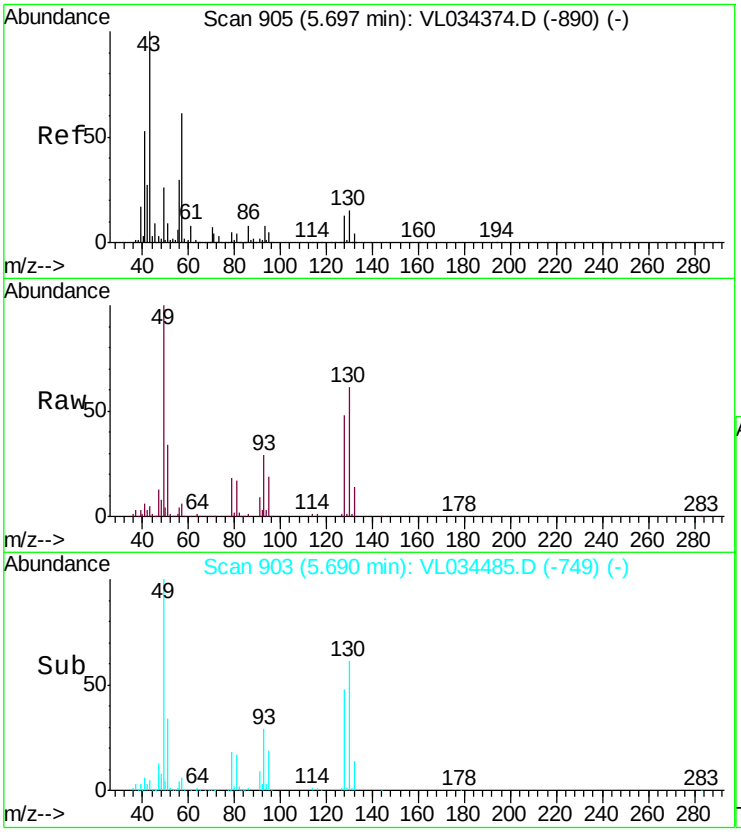


#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 43 Resp: 19727

Ion	Ratio	Lower	Upper
43	100		
45	4.6	8.2	12.4#
61	1.9	7.5	11.3#
70	0.0	5.7	8.5#



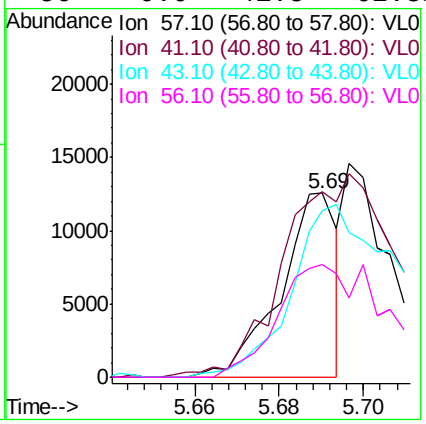


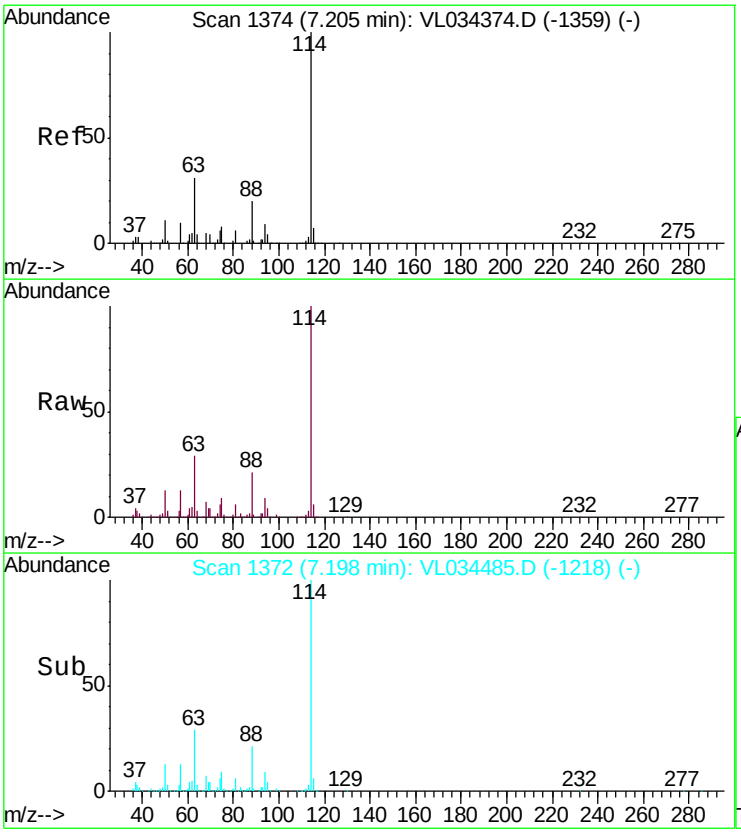
#26
Hexane
Concen: 0.115 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Tgt Ion: 57 Resp: 11669

Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.0	112.4#
43	0.0	186.6	279.8#
56	0.0	41.5	62.3#

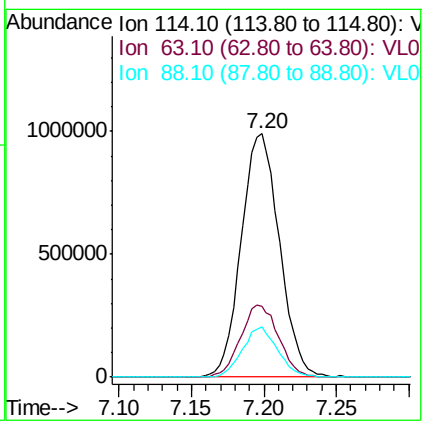


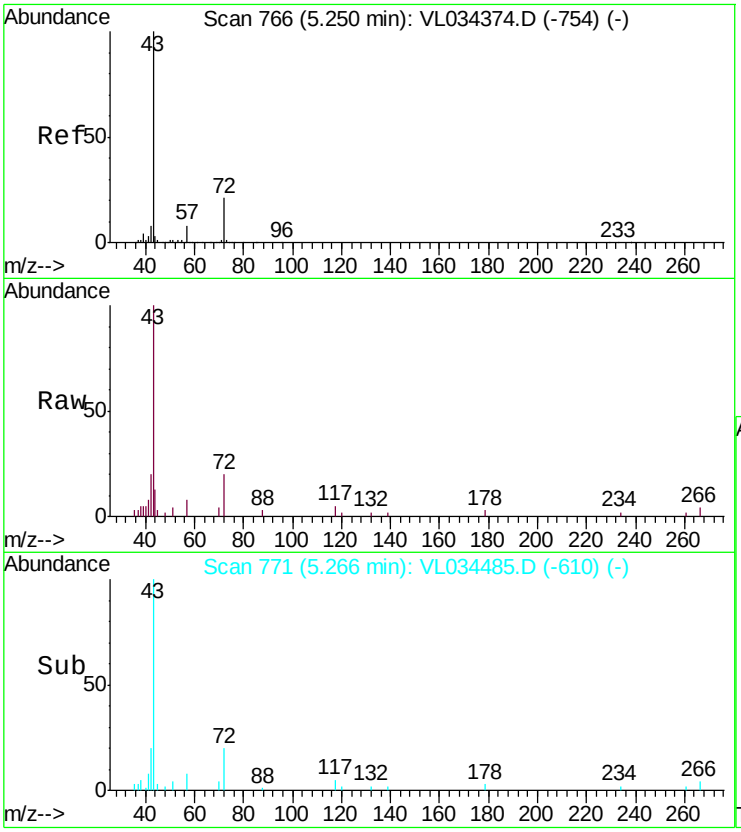


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion:114 Resp: 1817166

Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.2	36.4
88	19.4	15.9	23.9



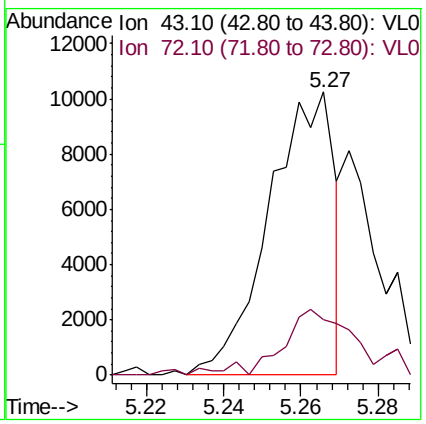


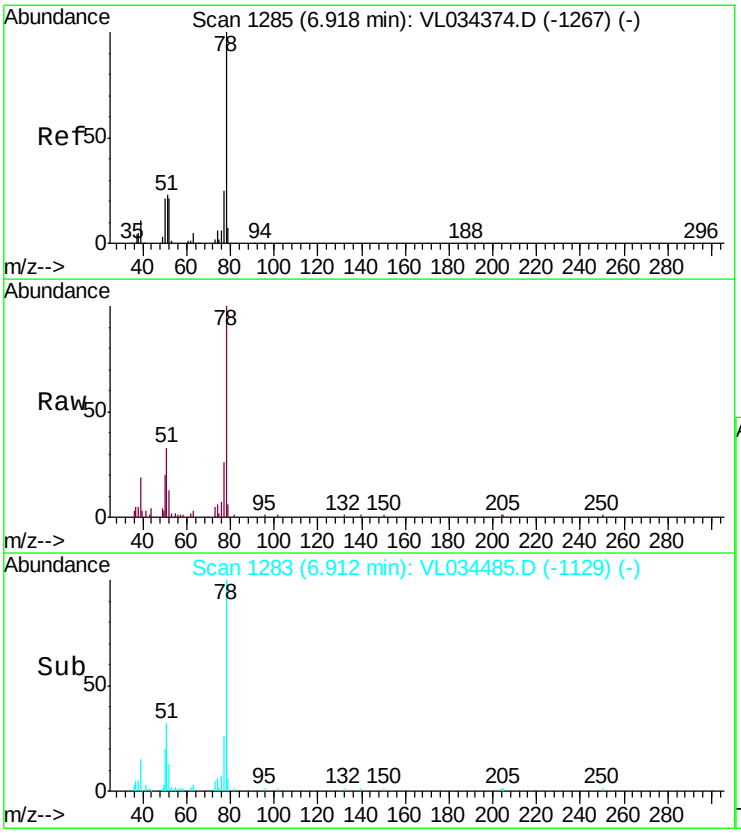
#34
2-Butanone
Concen: 0.080 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.02 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument :
MSVOA_L
ClientSampleId :
1A-3DL

Tgt Ion: 43 Resp: 11962

Ion	Ratio	Lower	Upper
43	100		
72	29.4	17.0	25.6#

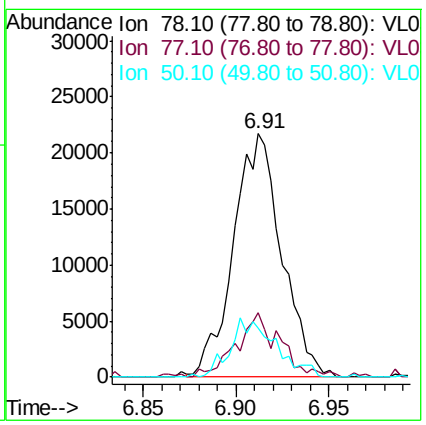


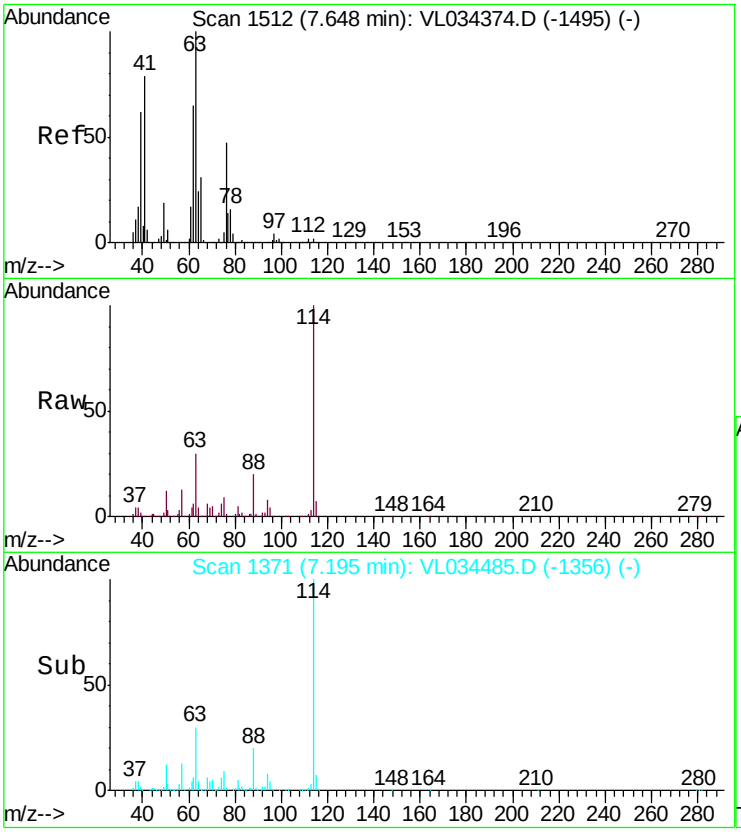


#36
Benzene
Concen: 0.215 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 78 Resp: 39140

Ion	Ratio	Lower	Upper
78	100		
77	26.2	20.2	30.4
50	19.9	17.1	25.7



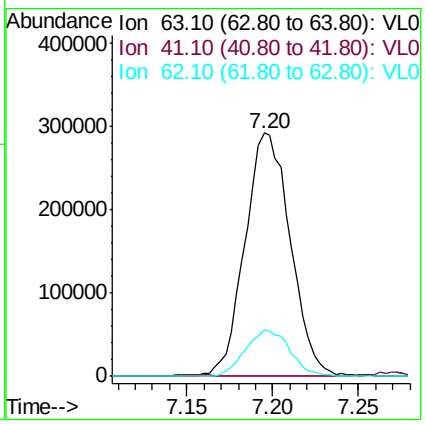


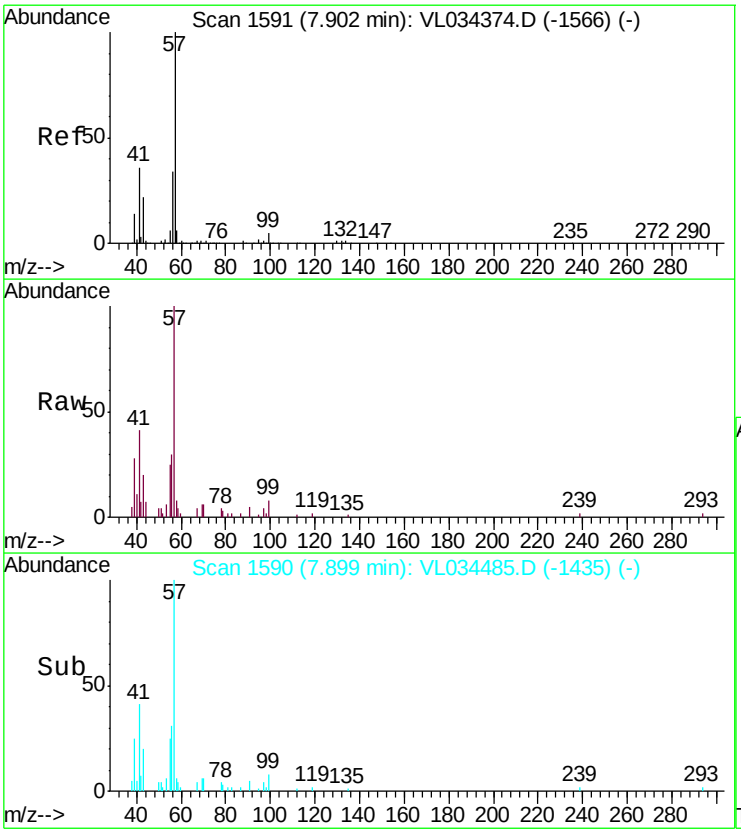
#39
1,2-Dichloropropane
Concen: 7.623 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.45 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument :
MSVOA_L
ClientSampleId :
1A-3DL

Tgt Ion: 63 Resp: 533458

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.1	94.7#
62	18.9	52.3	78.5#

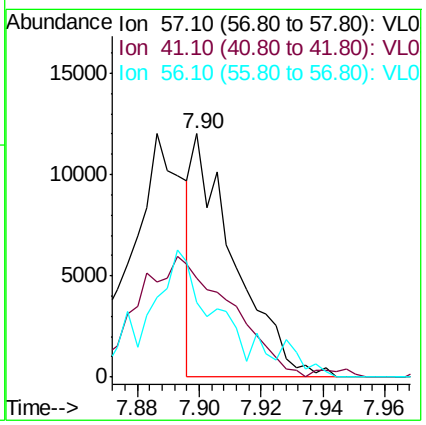


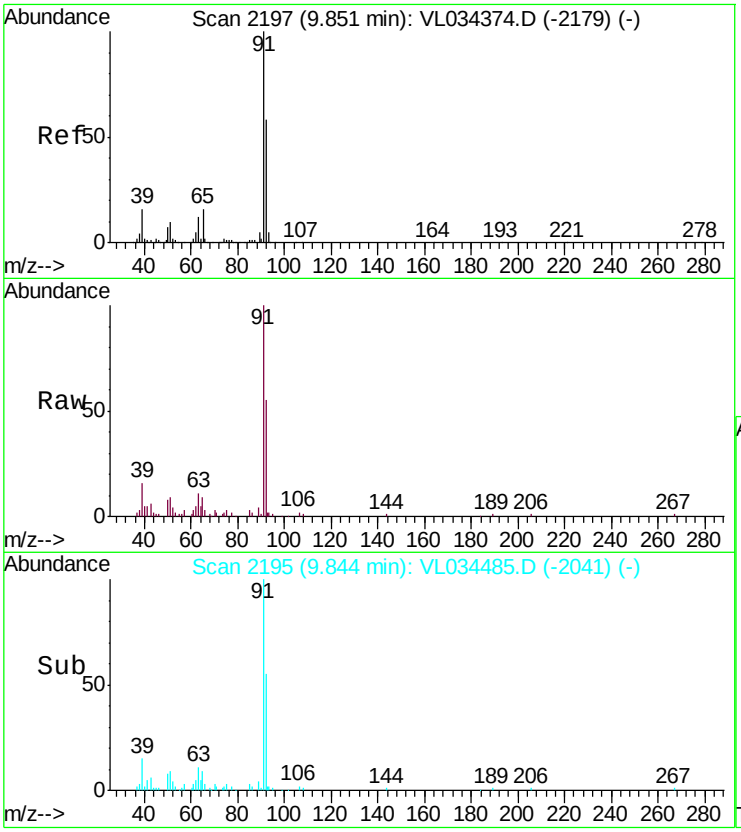


#44
2,2,4-Trimethylpentane
Concen: 0.034 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 57 Resp: 11277

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.6	42.8#
56	0.0	25.3	37.9#



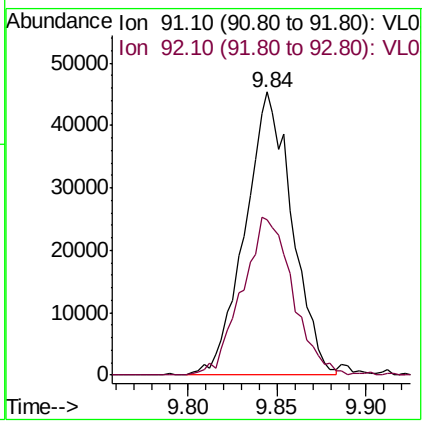


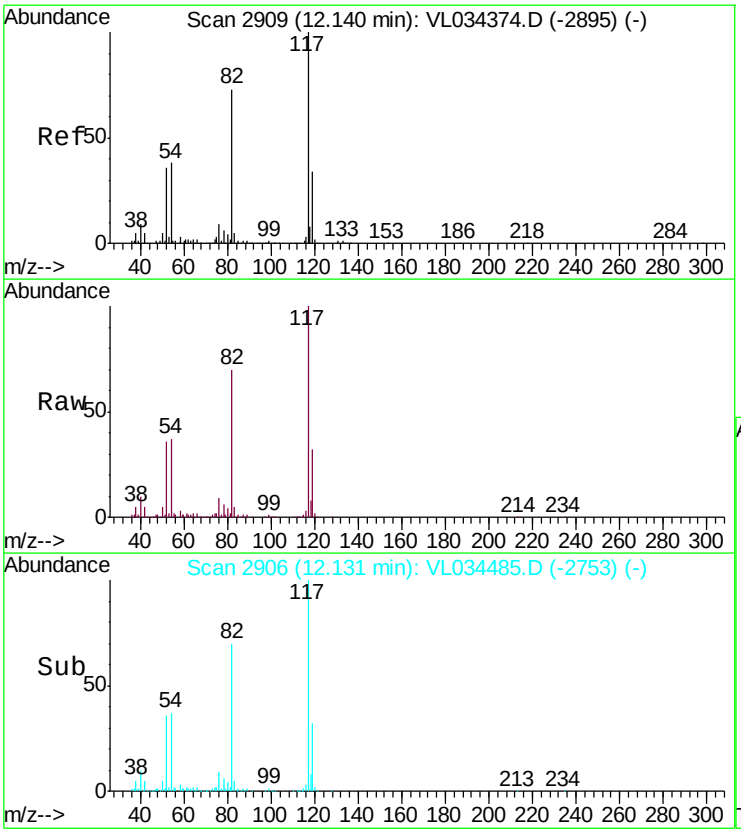
#53
Toluene
Concen: 0.406 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Tgt Ion: 91 Resp: 83828

Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.9	71.9

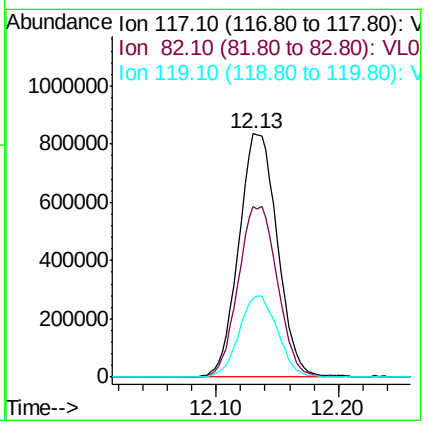


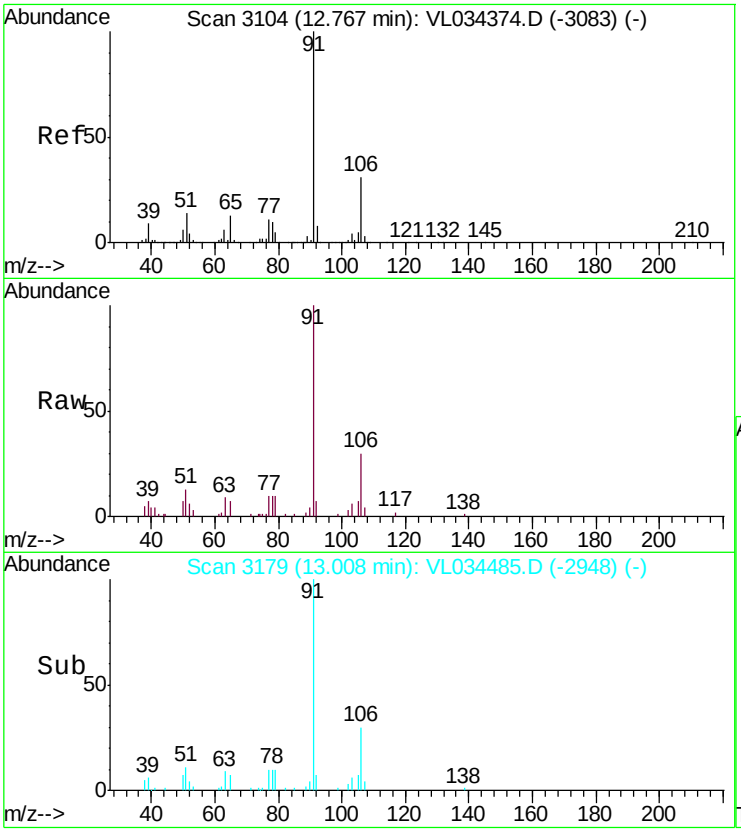


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion:117 Resp: 1824906

Ion	Ratio	Lower	Upper
117	100		
82	71.5	57.5	86.3
119	33.3	25.4	38.2



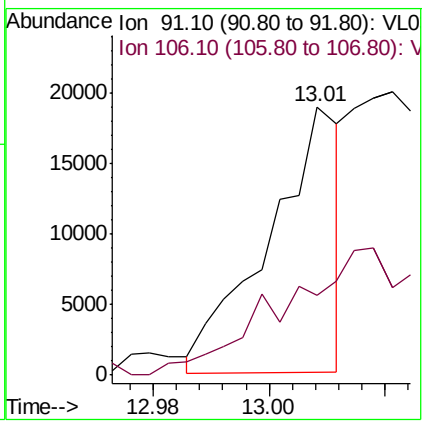


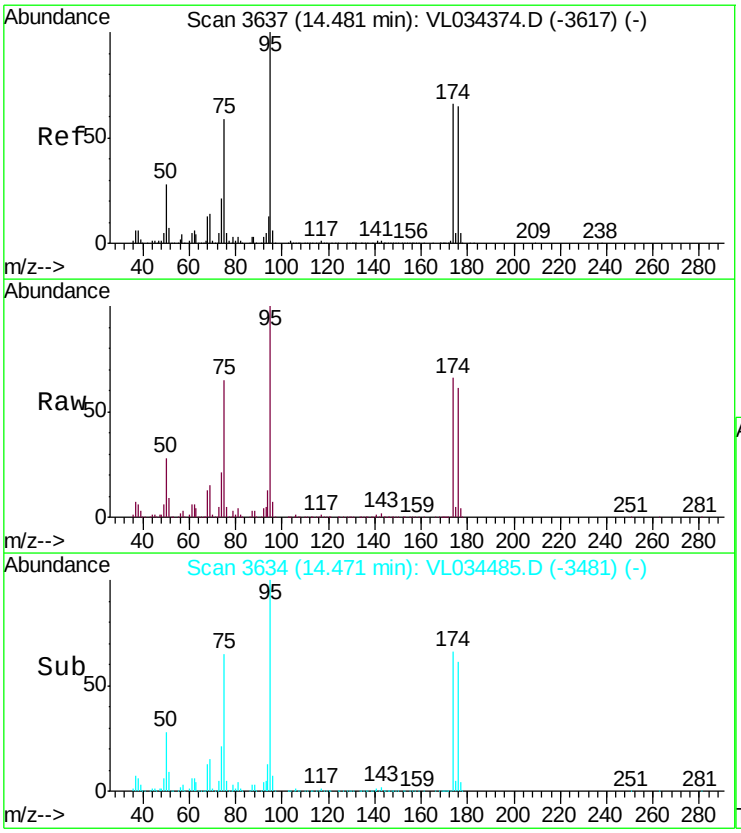
#58
Ethyl Benzene
Concen: 0.057 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. 0.24 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Instrument : MSVOA_L
ClientSampleId : 1A-3DL

Tgt Ion: 91 Resp: 16191

Ion	Ratio	Lower	Upper
91	100		
106	26.7	24.8	37.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.329 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034485.D
Acq: 10 Dec 2019 4:46

Tgt Ion: 95 Resp: 1585740

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.2	78.2
175	4.6	3.8	5.8