Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035779.D
Acq On : 13 Oct 2020 2:07
Operator : SY/AP
Sample : L4347-04DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 4DL2

Quant Time: Oct 13 02:35:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1092404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4036053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3991894	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2988298	9.99	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.96	51	4808	0.041	ppbv #	78
4) Chloromethane	3.14	50	2514	0.040	ppbv	92
9) Propene	3.01	41	365370	8.563	ppbv	94
10) Heptane	8.13	43	13701	0.115	ppbv #	69
13) Ethanol	3.60	45	128110	12.174	ppbv	100
15) Acetone	3.84	43	1713805	14.580	ppbv	96
16) 1,3-Butadiene	3.30	39	216412	5.032	ppbv #	15
17) tert-Butyl alcohol	4.31	59	9163	0.072	ppbv #	72
19) Isopropyl Alcohol	3.97	45	13835	0.216	ppbv #	89
20) Methylene Chloride	4.35	84	52680	0.610	ppbv	95
21) Allyl Chloride	4.37	41	6889	0.121	ppbv #	1
23) Vinyl Acetate	5.07	43	24046	0.167	ppbv #	11
25) Ethyl Acetate	5.69	43	53825	0.254	ppbv #	80
26) Hexane	5.69	57	81697	0.705	ppbv #	46
27) Carbon Disulfide	4.55	76	110079	0.637	ppbv	97
34) 2-Butanone	5.25	43	191866	1.437	ppbv	98
36) Benzene	6.90	78	101766	0.387	ppbv	99
39) 1,2-Dichloropropane	7.18	63	802365	8.417	ppbv #	31
44) 2,2,4-Trimethylpentane	7.87	57	12432	0.033	ppbv #	10
53) Toluene	9.82	91	172601	0.557	ppbv	95
58) Ethyl Benzene	12.73	91	26720	0.067	ppbv	91
59) m/p-Xylene	13.01	91	14338	0.041	ppbv #	26
60) o-Xylene	13.71	91	23389	0.066	ppbv	91
74) 1,2,4-Trimethylbenzene	16.78	105	33620	0.075	ppbv #	69

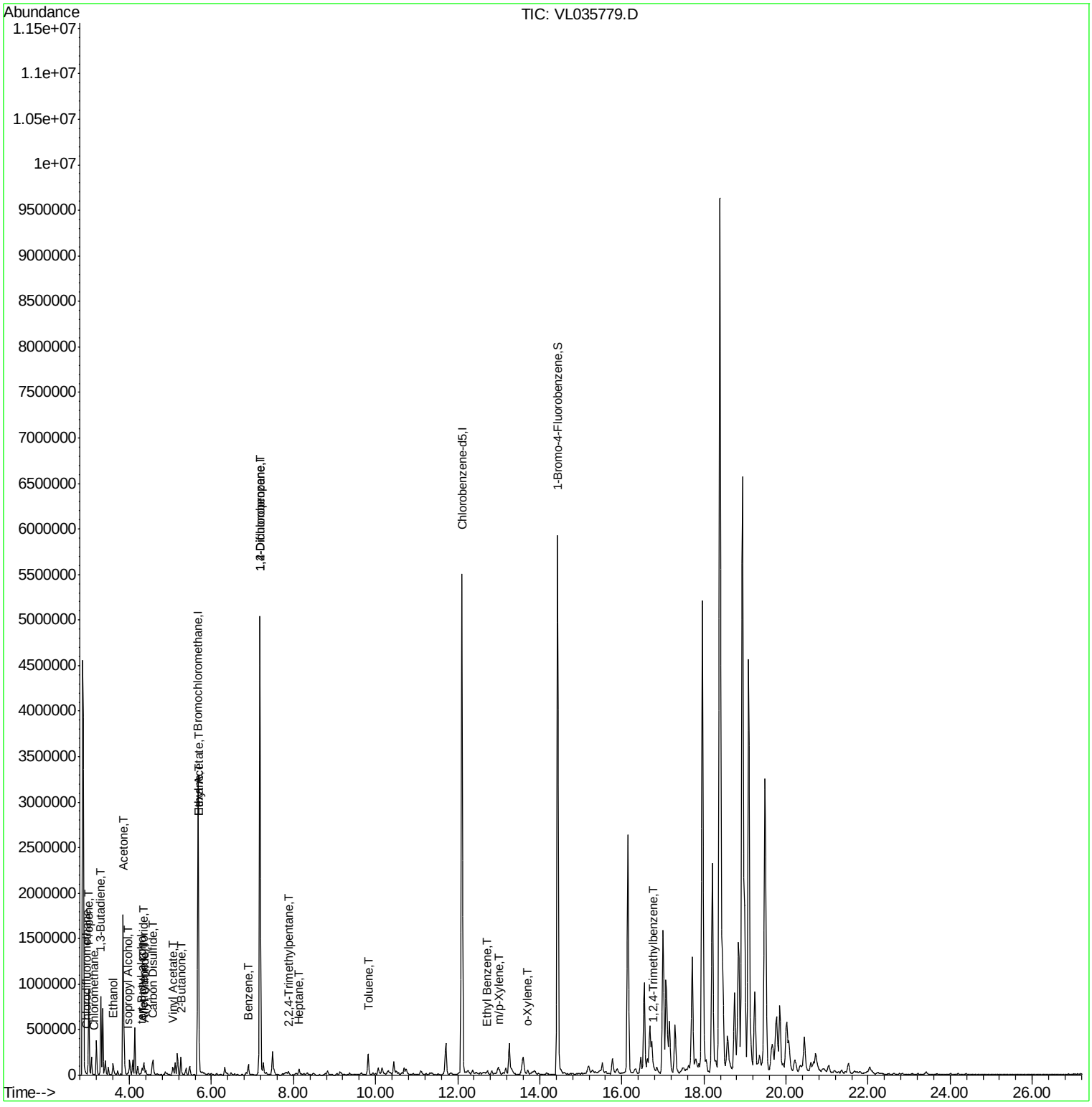
(#) = qualifier out of range (m) = manual integration (+) = signals summed

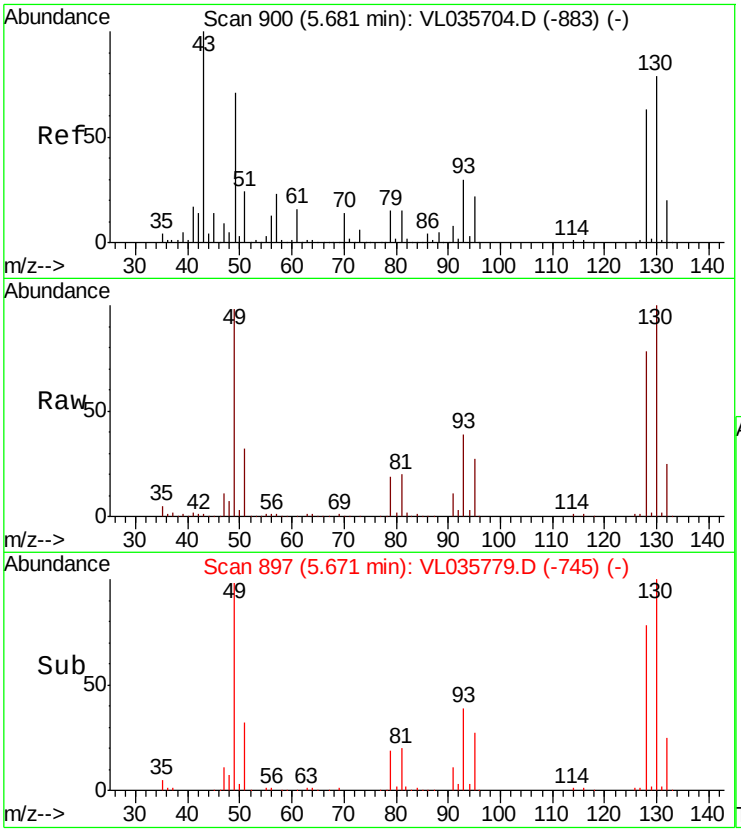
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035779.D
Acq On : 13 Oct 2020 2:07
Operator : SY/AP
Sample : L4347-04DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 4DL2

Quant Time: Oct 13 02:35:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration



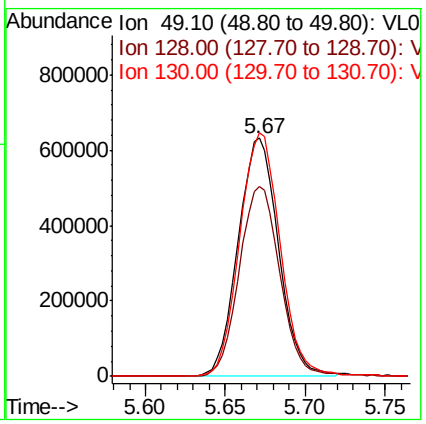


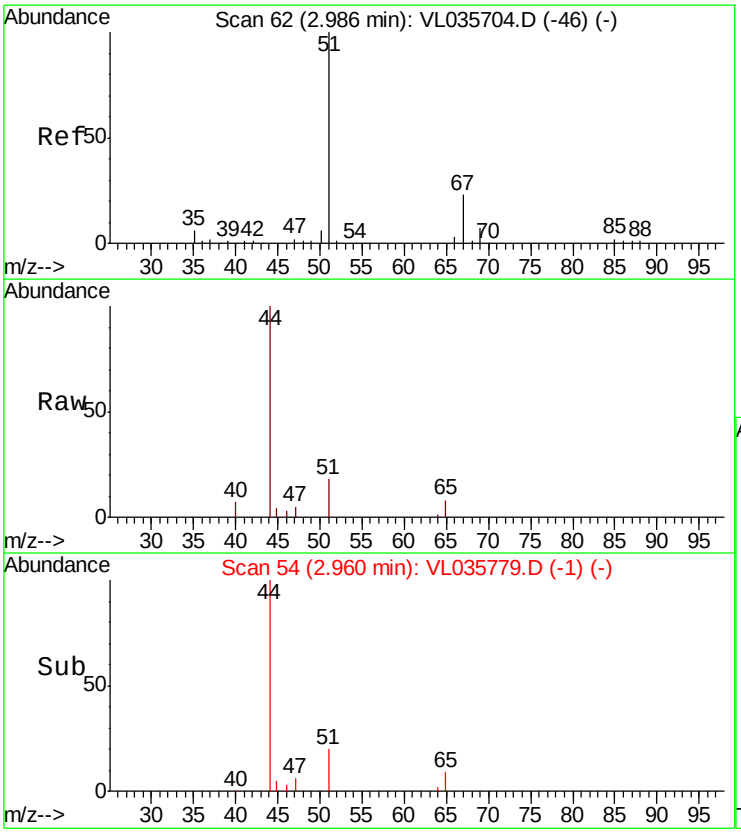
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
4DL2

Tgt Ion: 49 Resp: 1092404

Ion	Ratio	Lower	Upper
49	100		
128	81.0	43.1	129.4
130	103.6	54.9	164.7

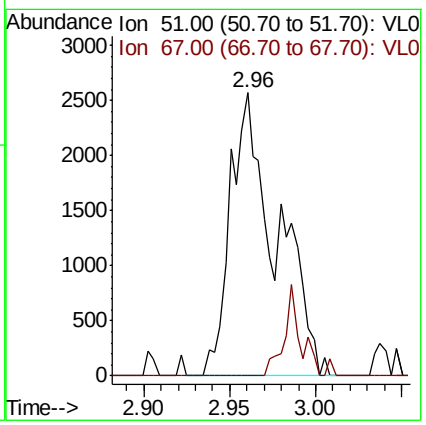


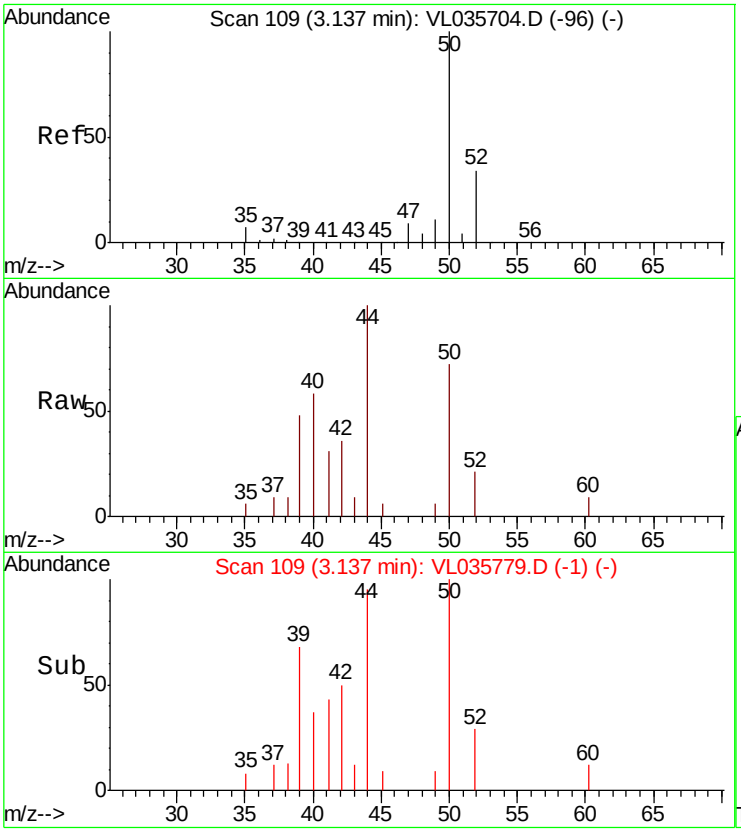


#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.03 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 51 Resp: 4808

Ion	Ratio	Lower	Upper
51	100		
67	11.7	17.8	26.8#



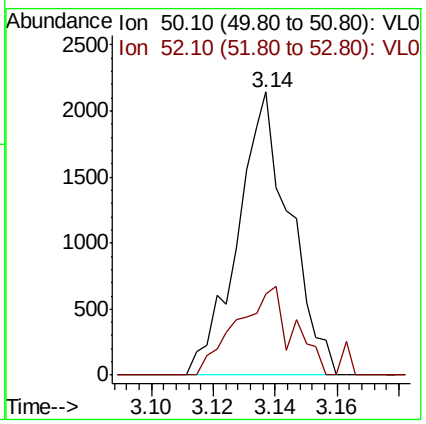


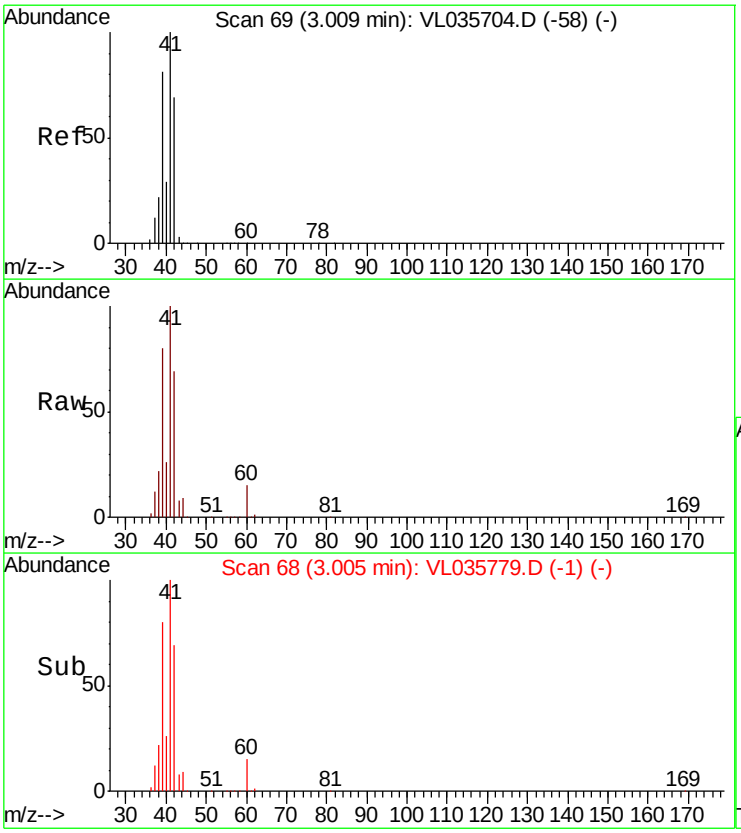
#4
Chloromethane
Concen: 0.040 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
4DL2

Tgt Ion: 50 Resp: 2514

Ion	Ratio	Lower	Upper
50	100		
52	28.7	26.8	40.2

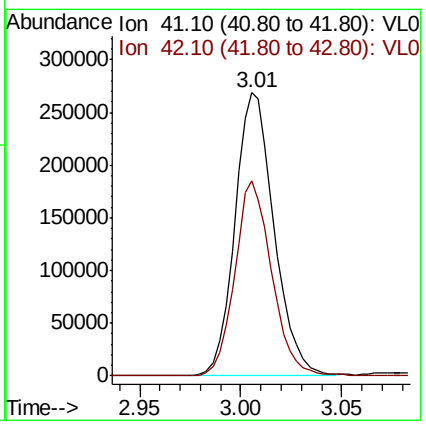


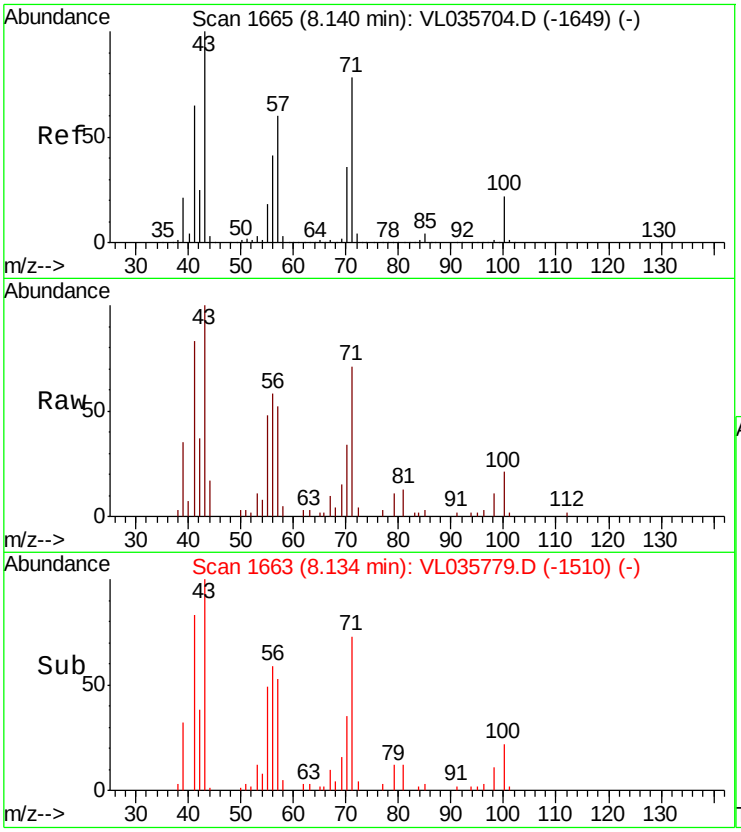


#9
Propene
Concen: 8.563 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 41 Resp: 365370

Ion	Ratio	Lower	Upper
41	100		
42	65.1	56.2	84.4



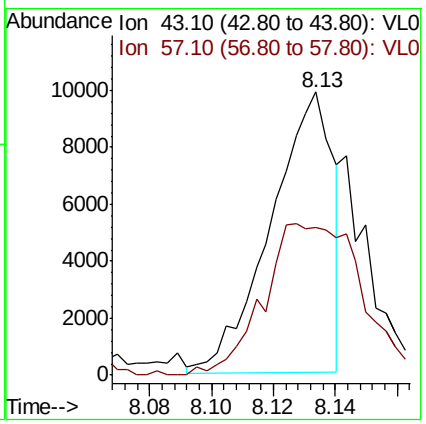


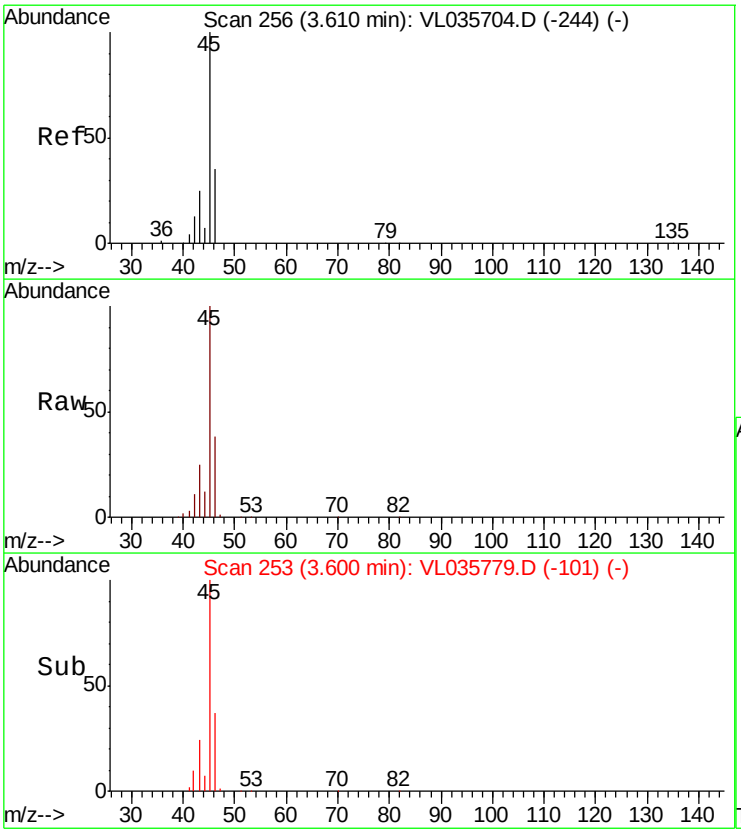
#10
Heptane
Concen: 0.115 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
4DL2

Tgt Ion: 43 Resp: 13701

Ion	Ratio	Lower	Upper
43	100		
57	87.1	50.4	75.6#

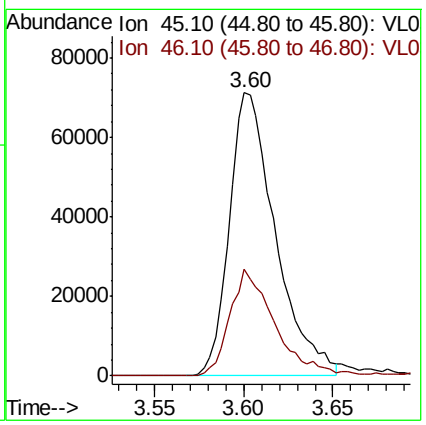


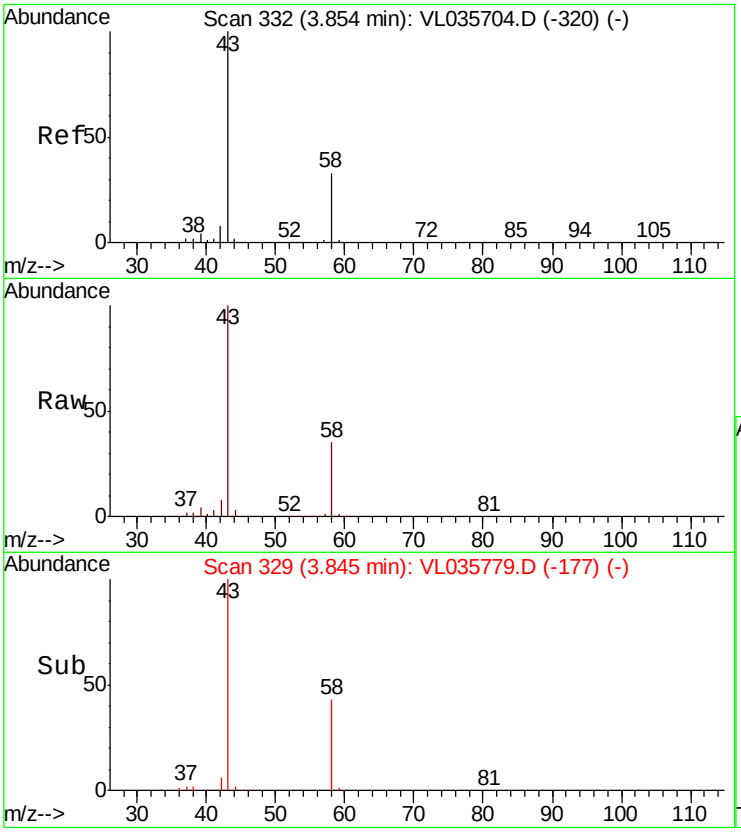


#13
Ethanol
Concen: 12.174 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 45 Resp: 128110

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.7	58.7



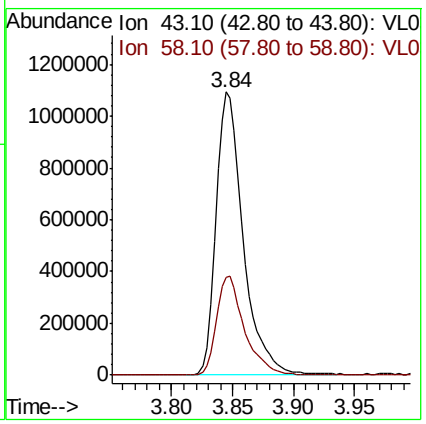


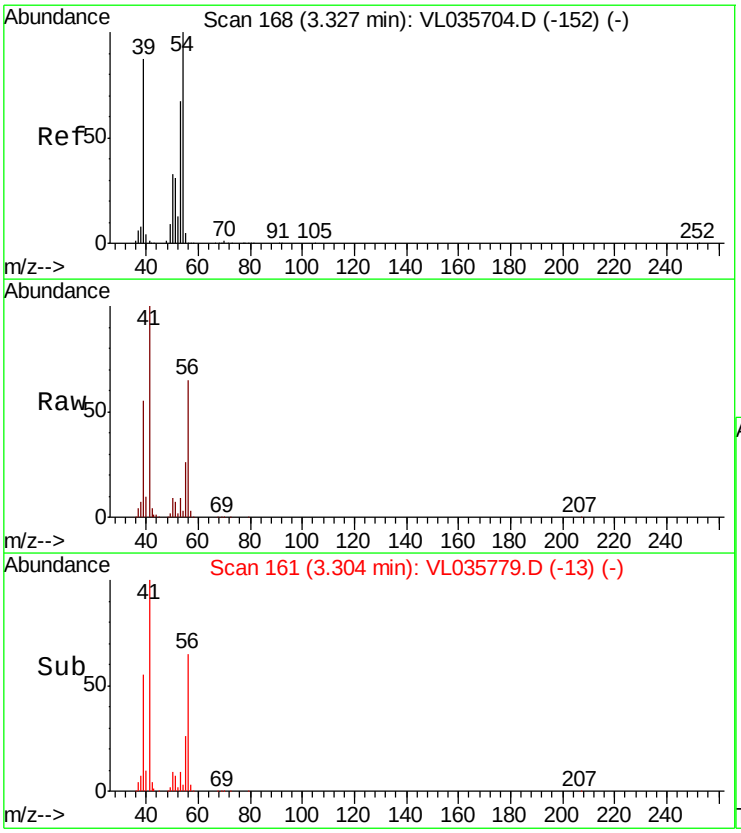
#15
Acetone
Concen: 14.580 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
4DL2

Tgt Ion: 43 Resp: 1713805

Ion	Ratio	Lower	Upper
43	100		
58	36.3	27.3	40.9

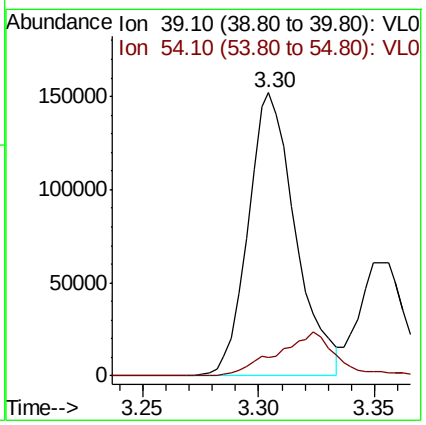


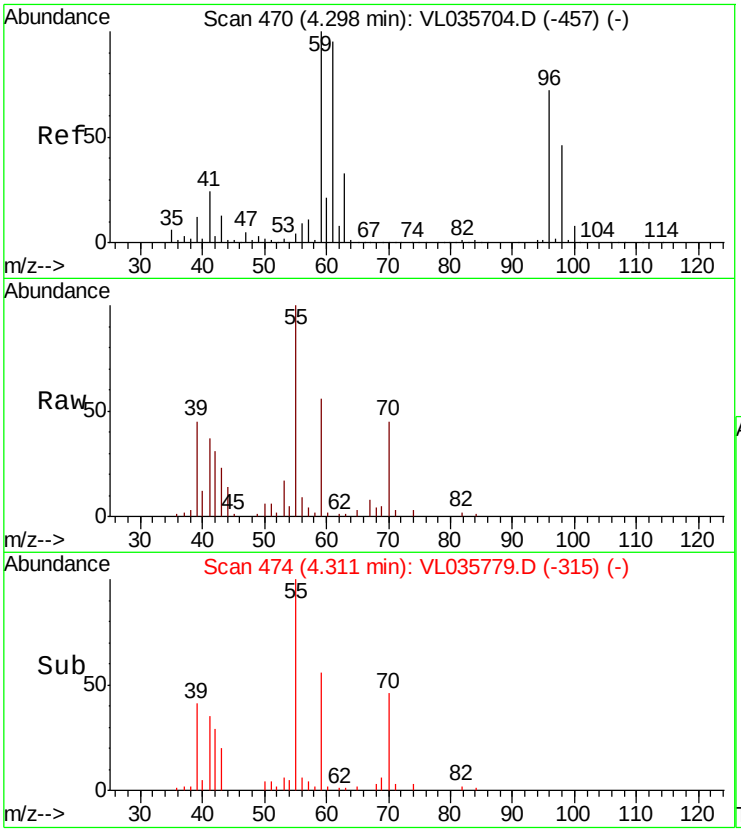


#16
1,3-Butadiene
Concen: 5.032 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 39 Resp: 216412

Ion	Ratio	Lower	Upper
39	100		
54	19.3	87.4	131.0#



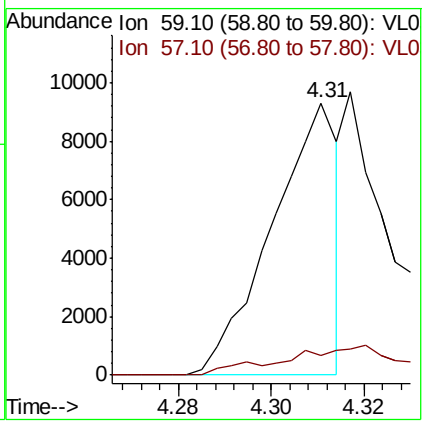


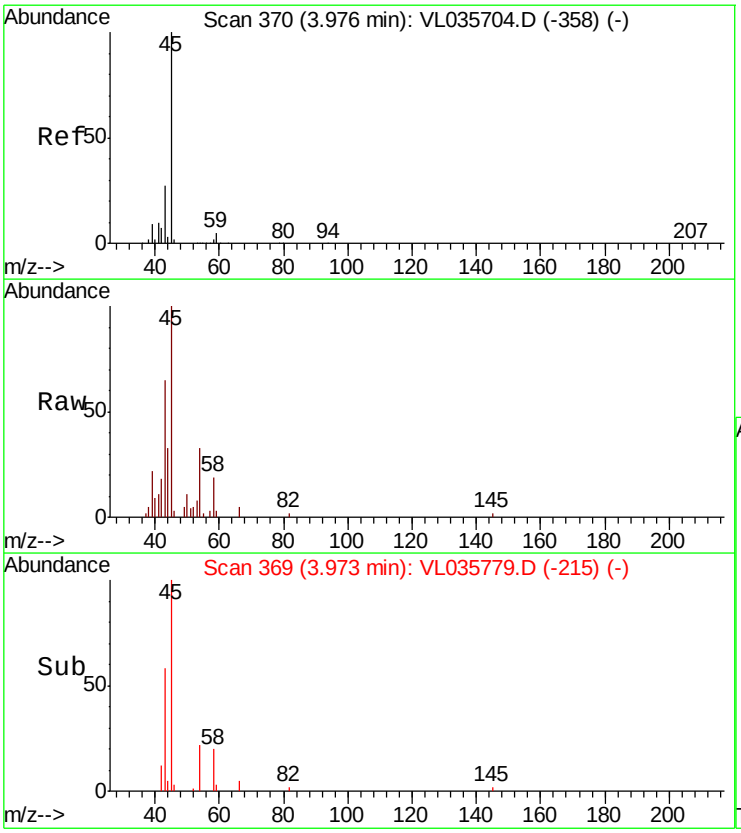
#17
tert-Butyl alcohol
Concen: 0.072 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 59 Resp: 9163

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

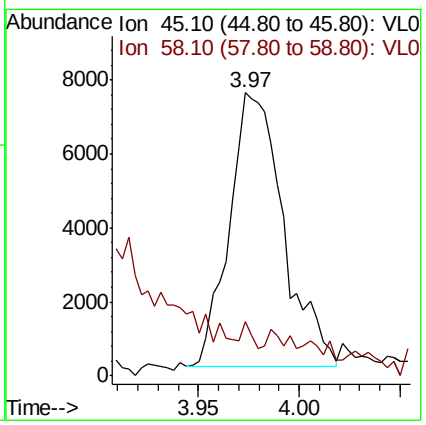


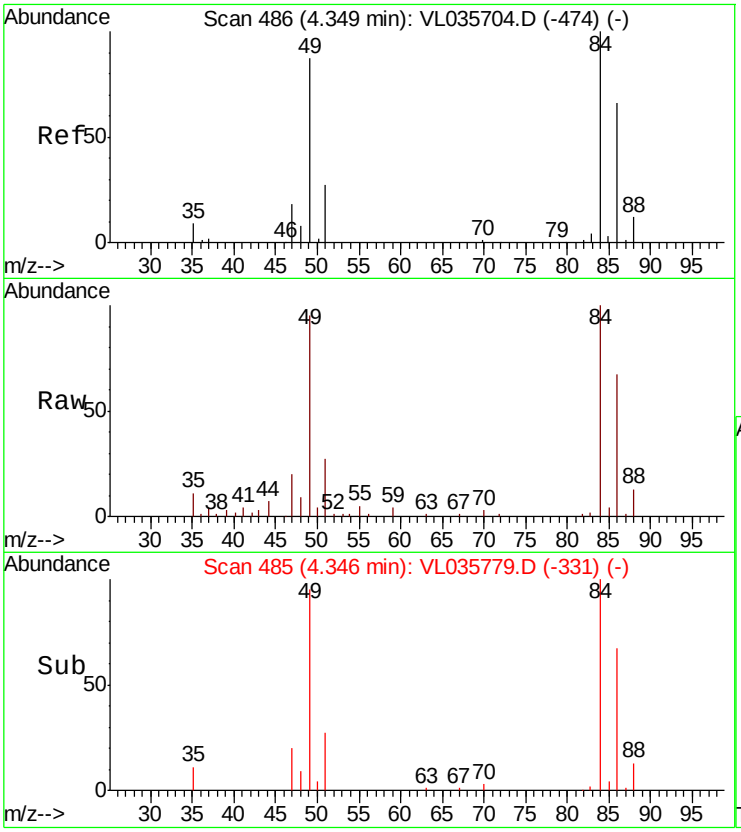


#19
Isopropyl Alcohol
Concen: 0.216 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 45 Resp: 13835

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#



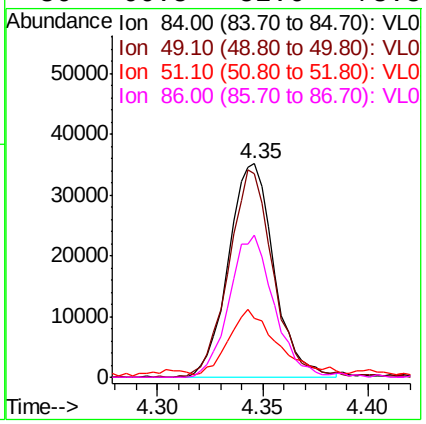


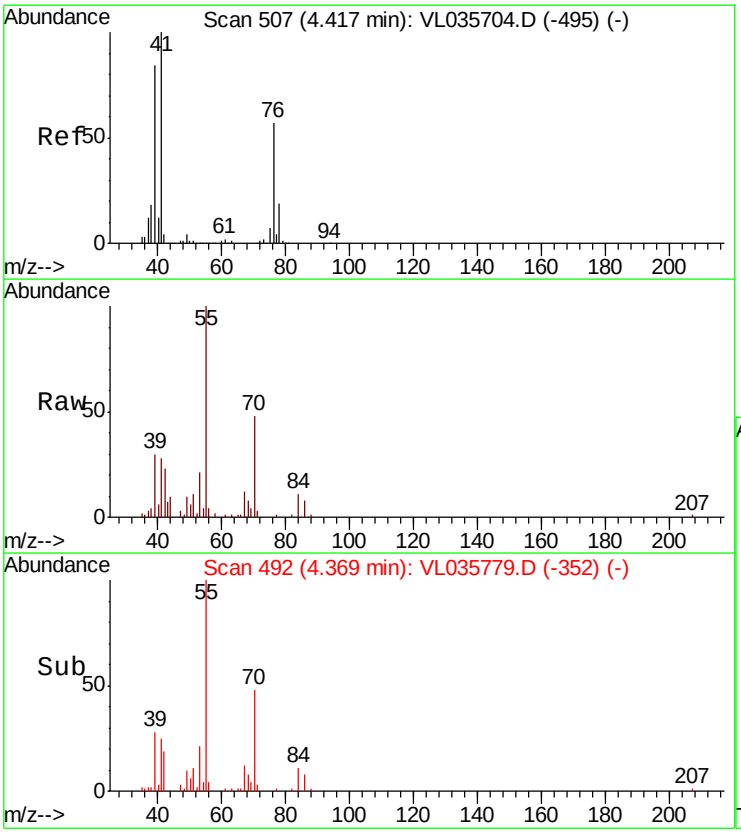
#20
Methylene Chloride
Concen: 0.610 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 84 Resp: 52680

Ion	Ratio	Lower	Upper
84	100		
49	94.7	69.8	104.6
51	25.1	21.8	32.8
86	66.5	52.6	78.8

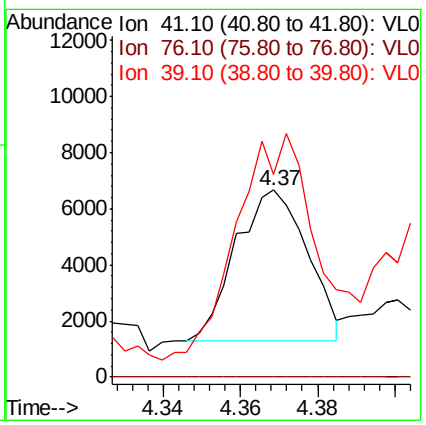


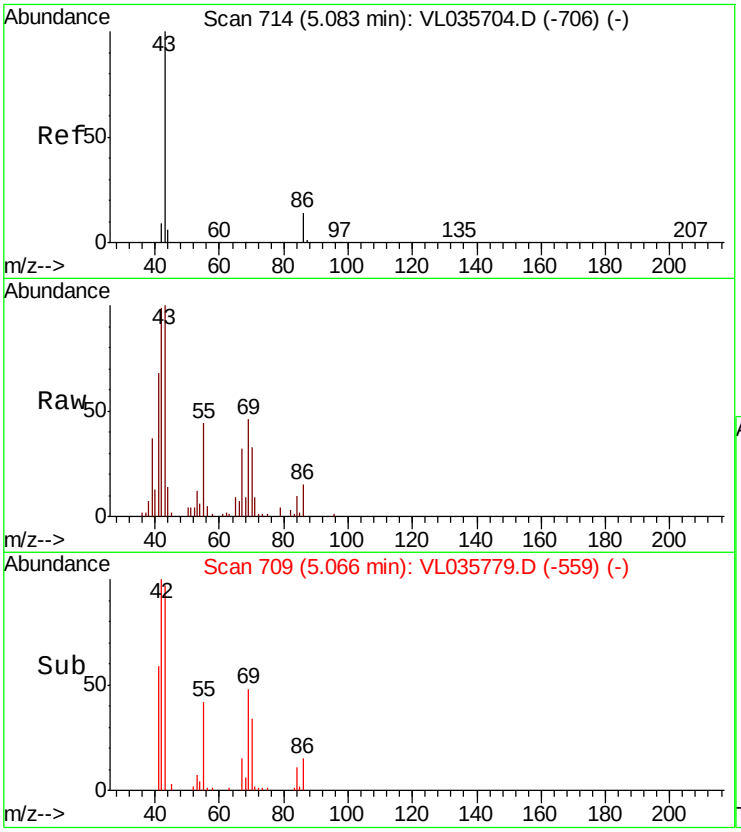


#21
Allyl Chloride
Concen: 0.121 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.05 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 41 Resp: 6889

Ion	Ratio	Lower	Upper
41	100		
76	0.0	44.8	67.2#
39	237.5	68.4	102.6#



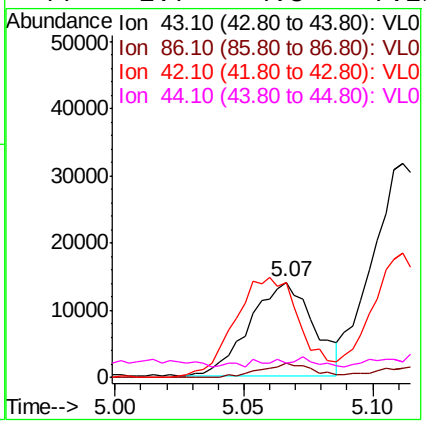


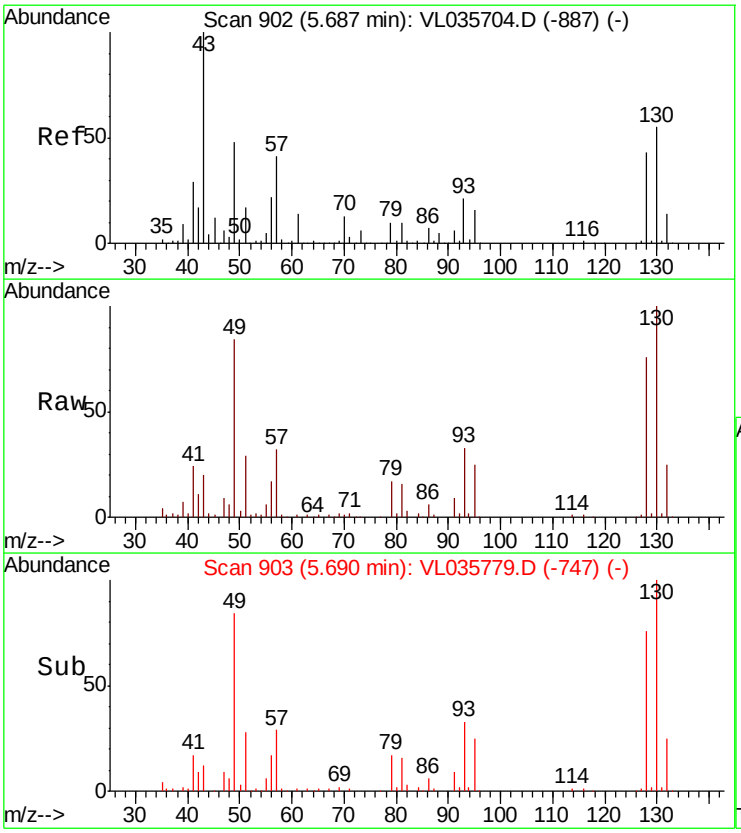
#23
Vinyl Acetate
Concen: 0.167 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.02 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 43 Resp: 24046

Ion	Ratio	Lower	Upper
43	100		
86	14.8	9.7	14.5#
42	97.5	7.9	11.9#
44	2.7	4.8	7.2#

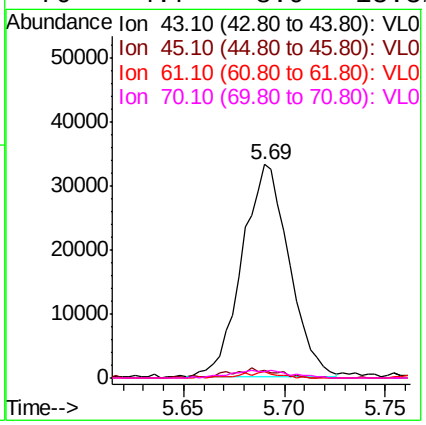


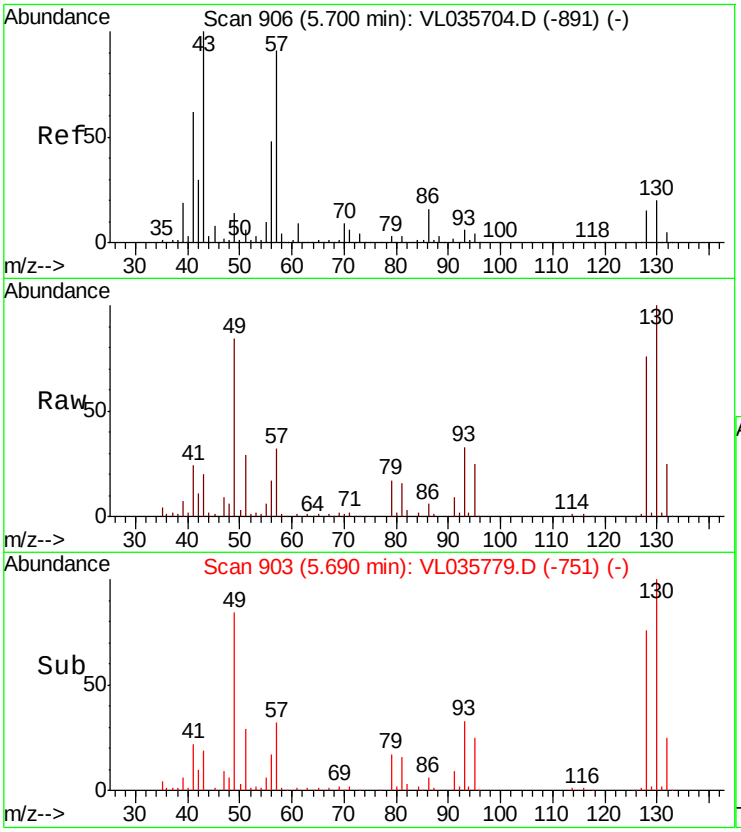


#25
Ethyl Acetate
Concen: 0.254 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 43 Resp: 53825

Ion	Ratio	Lower	Upper
43	100		
45	4.8	8.6	12.8#
61	2.4	10.4	15.6#
70	4.7	8.9	13.3#



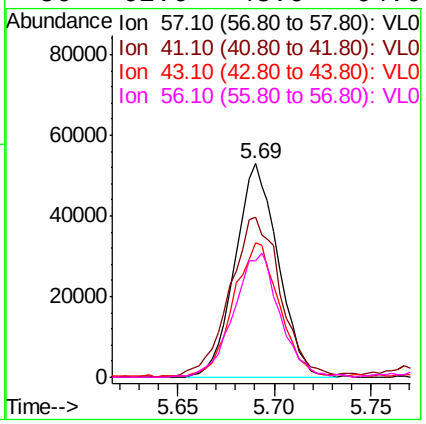


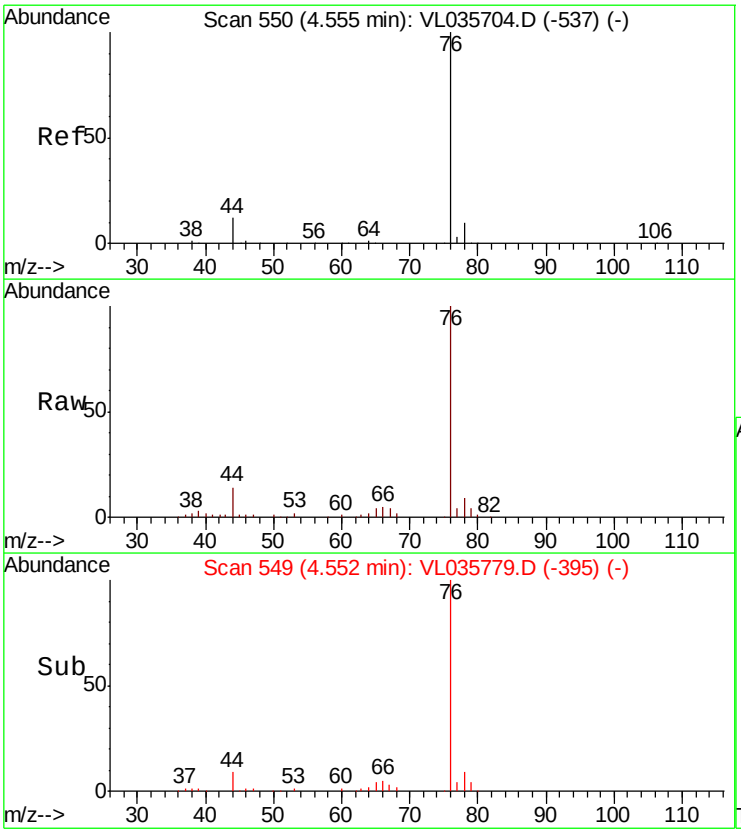
#26
Hexane
Concen: 0.705 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 57 Resp: 81697

Ion	Ratio	Lower	Upper
57	100		
41	89.4	57.9	86.9#
43	66.9	143.8	215.6#
56	62.6	43.0	64.6

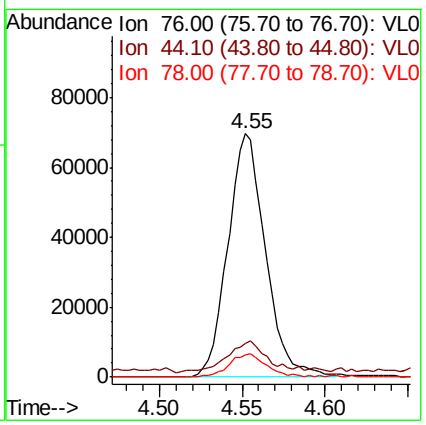


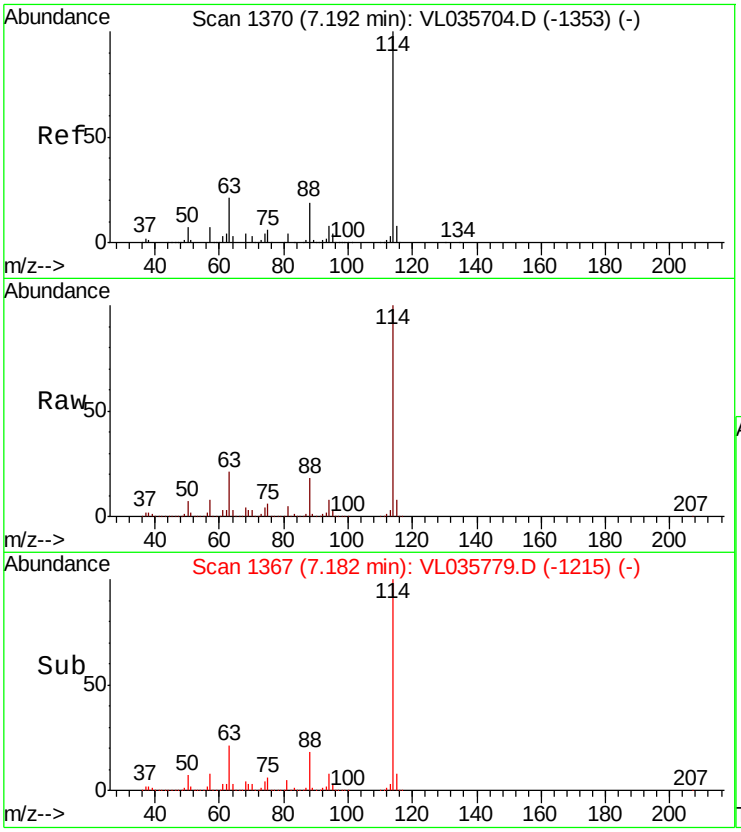


#27
Carbon Disulfide
Concen: 0.637 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 76 Resp: 110079

Ion	Ratio	Lower	Upper
76	100		
44	13.9	9.7	14.5
78	9.4	7.8	11.8



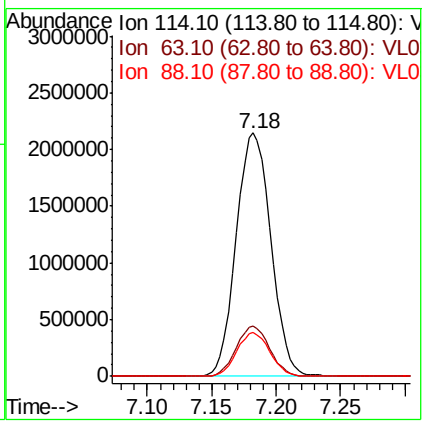


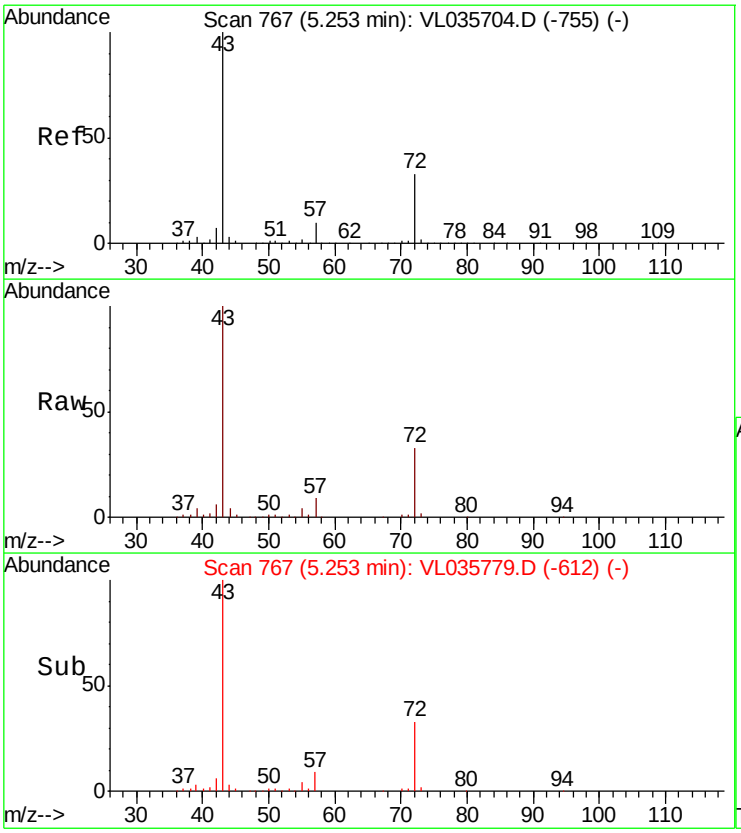
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
4DL2

Tgt Ion:114 Resp: 4036053

Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.3	14.1	21.1

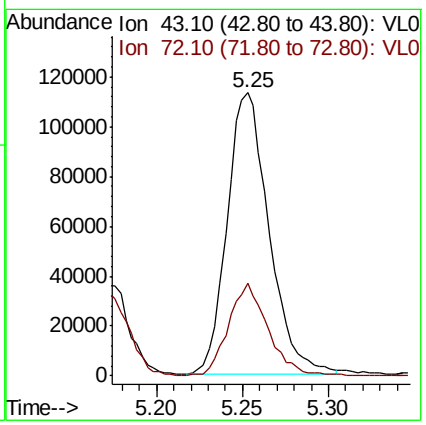


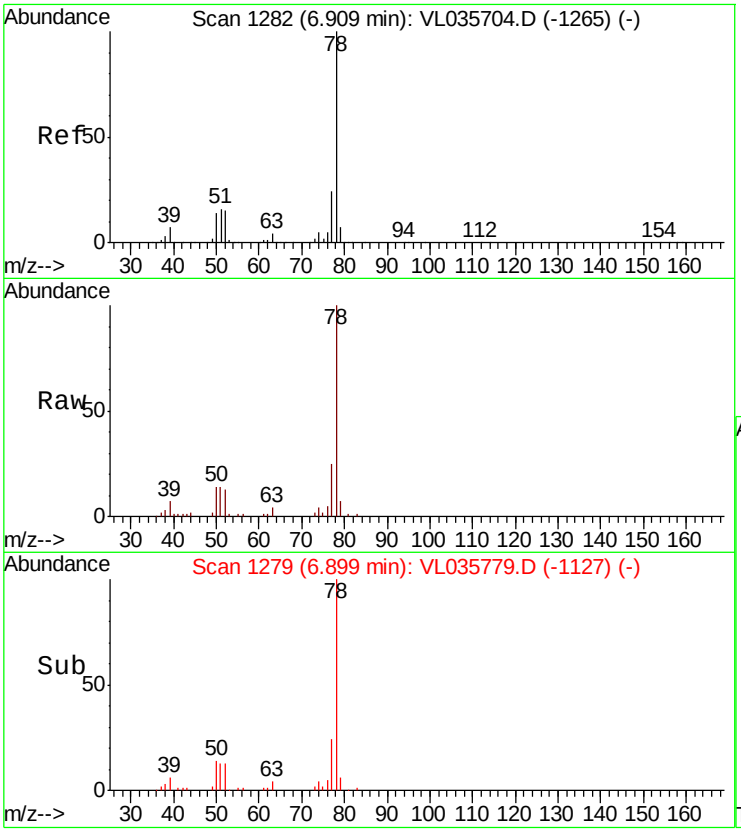


#34
2-Butanone
Concen: 1.437 ppbv
RT: 5.25 min Scan# 767
Delta R.T. -0.00 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 43 Resp: 191866

Ion	Ratio	Lower	Upper
43	100		
72	31.6	26.1	39.1



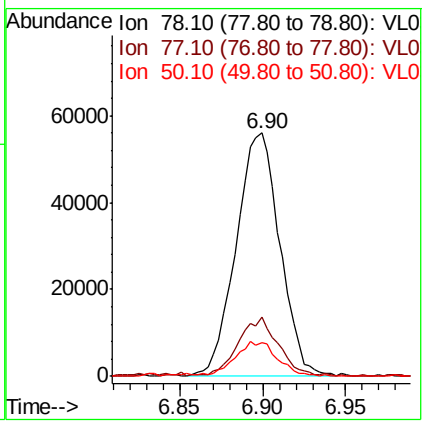


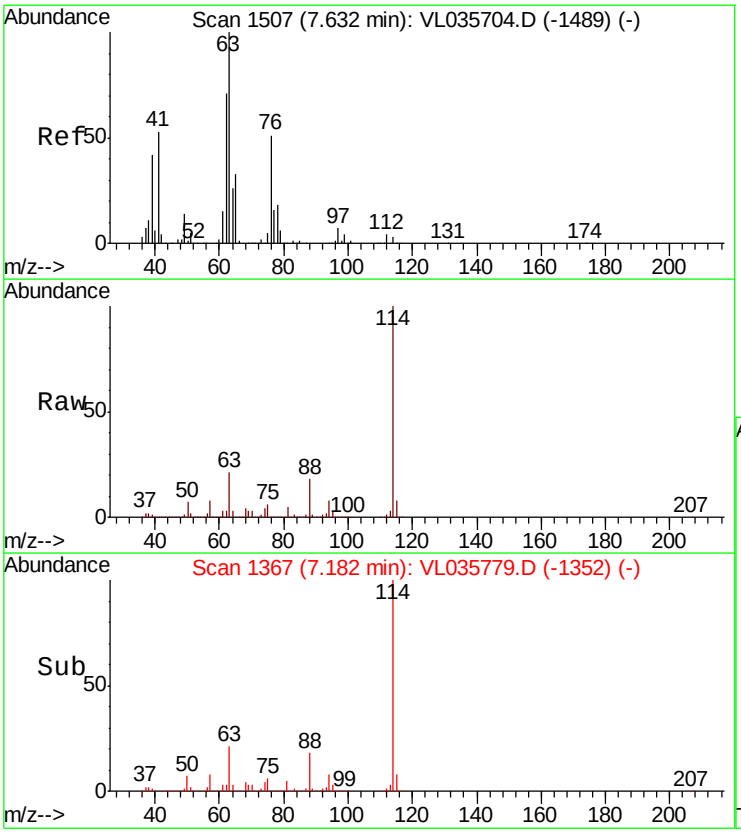
#36
Benzene
Concen: 0.387 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 78 Resp: 101766

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9
50	13.9	11.6	17.4

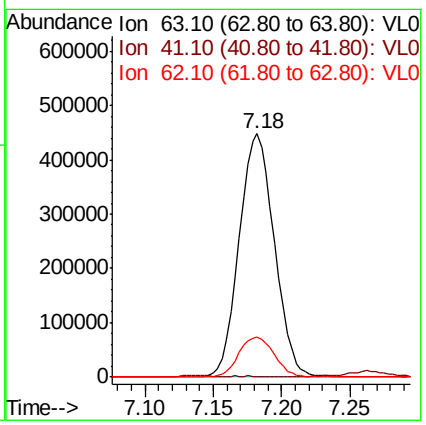


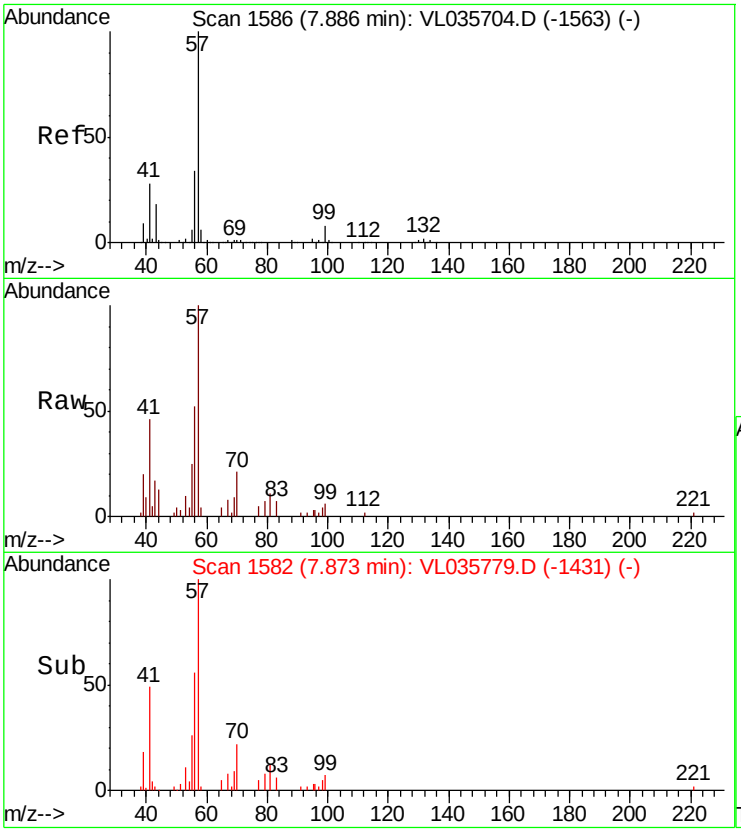


#39
1,2-Dichloropropane
Concen: 8.417 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.45 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 63 Resp: 802365

Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	16.7	56.5	84.7#



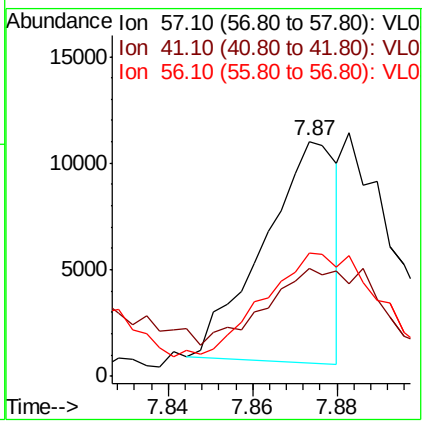


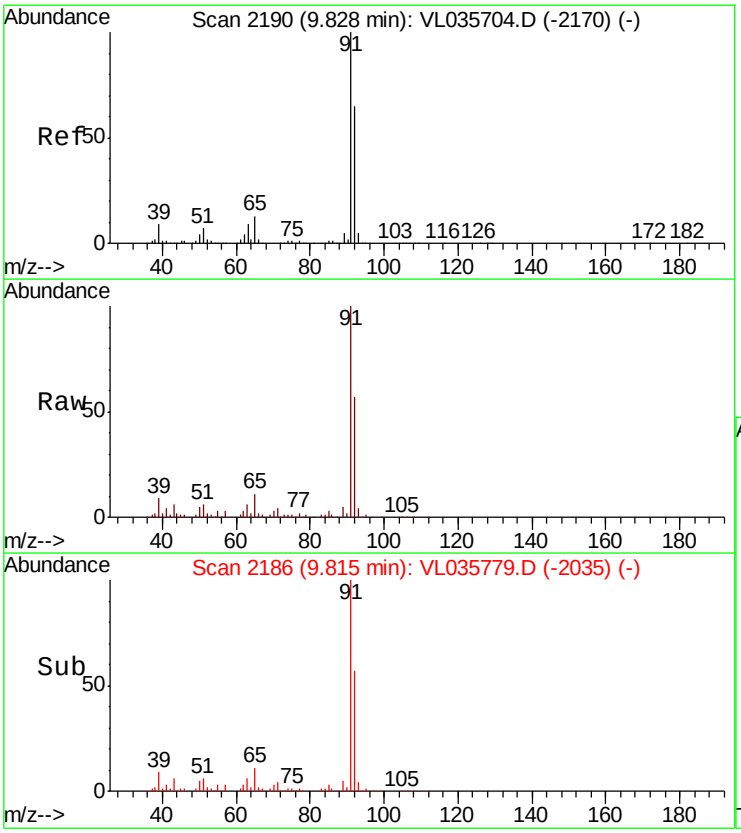
#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 57 Resp: 12432

Ion	Ratio	Lower	Upper
57	100		
41	0.0	21.2	31.8#
56	99.9	25.8	38.8#

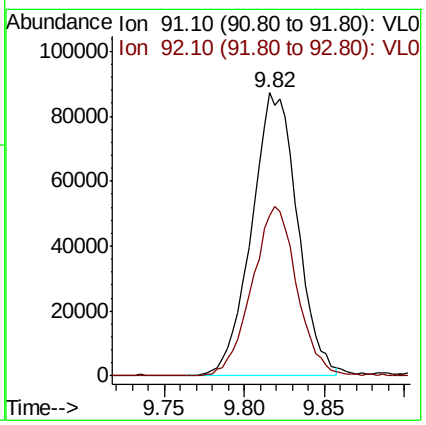


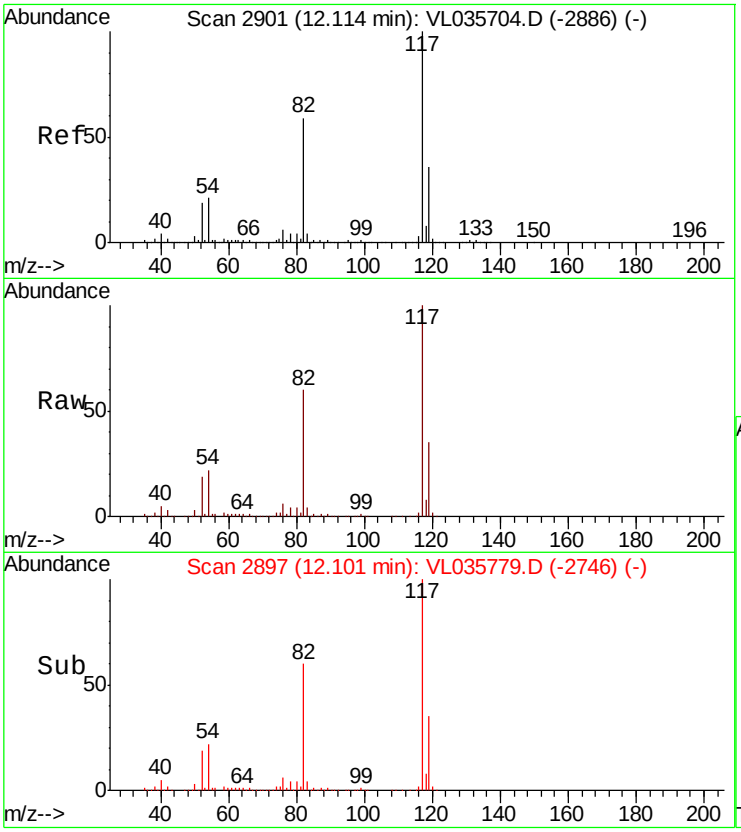


#53
Toluene
Concen: 0.557 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 91 Resp: 172601

Ion	Ratio	Lower	Upper
91	100		
92	58.8	50.0	75.0



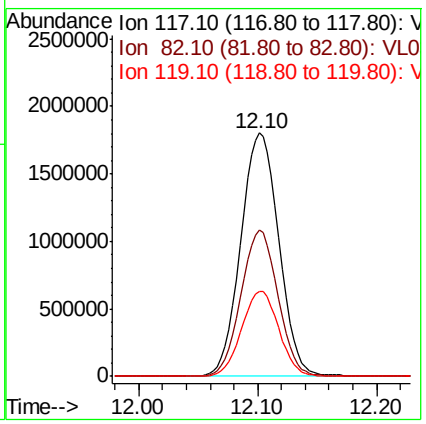


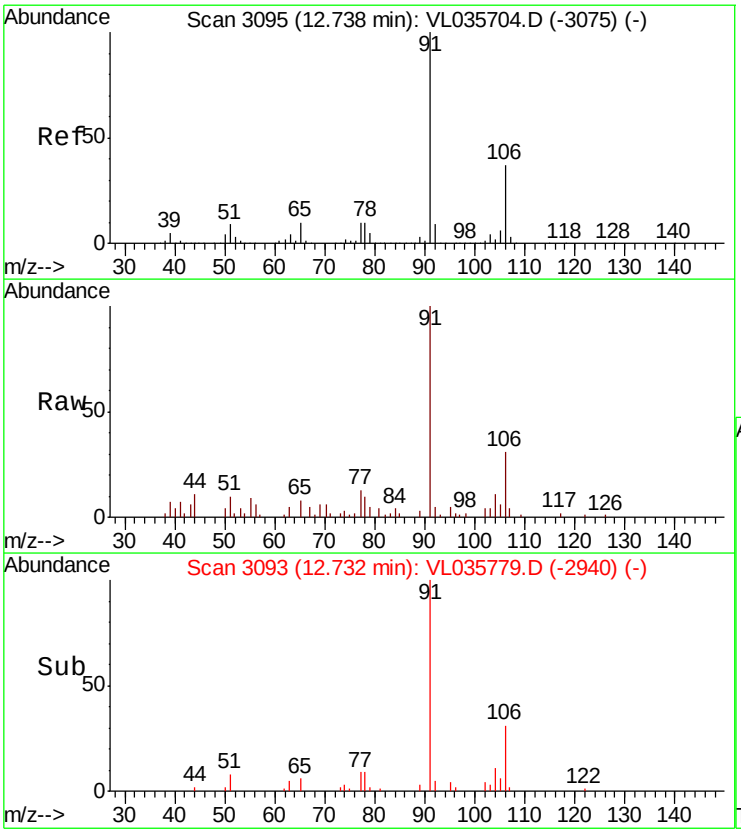
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion:117 Resp: 3991894

Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.1	69.1
119	34.4	28.0	42.0

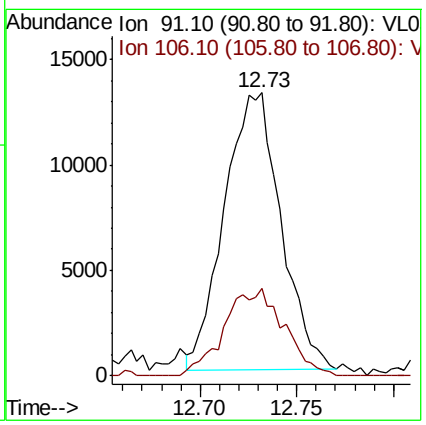


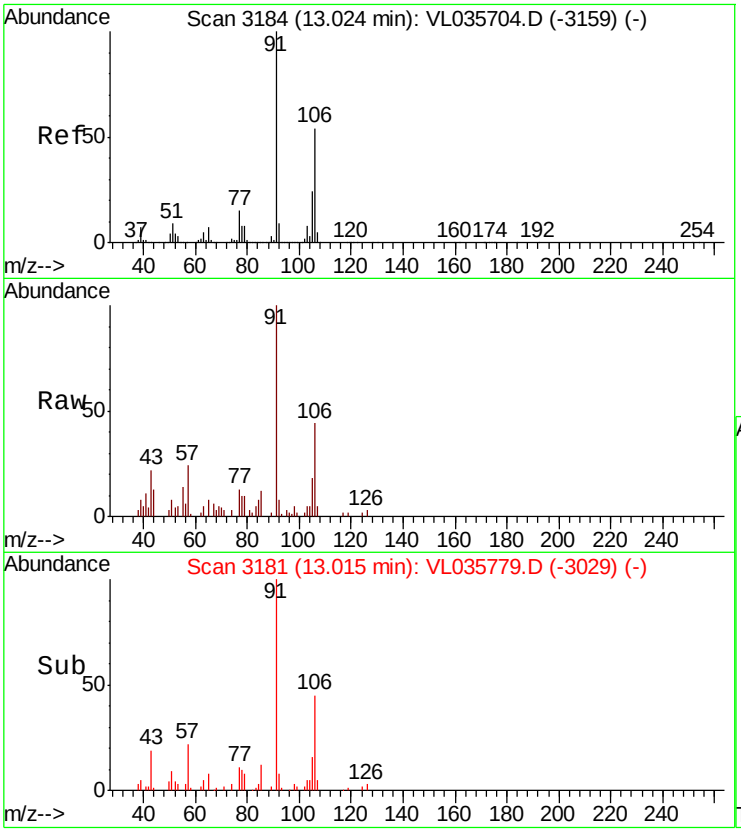


#58
Ethyl Benzene
Concen: 0.067 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 91 Resp: 26720

Ion	Ratio	Lower	Upper
91	100		
106	31.6	29.7	44.5



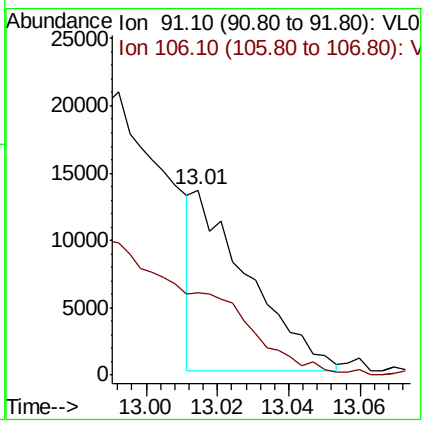


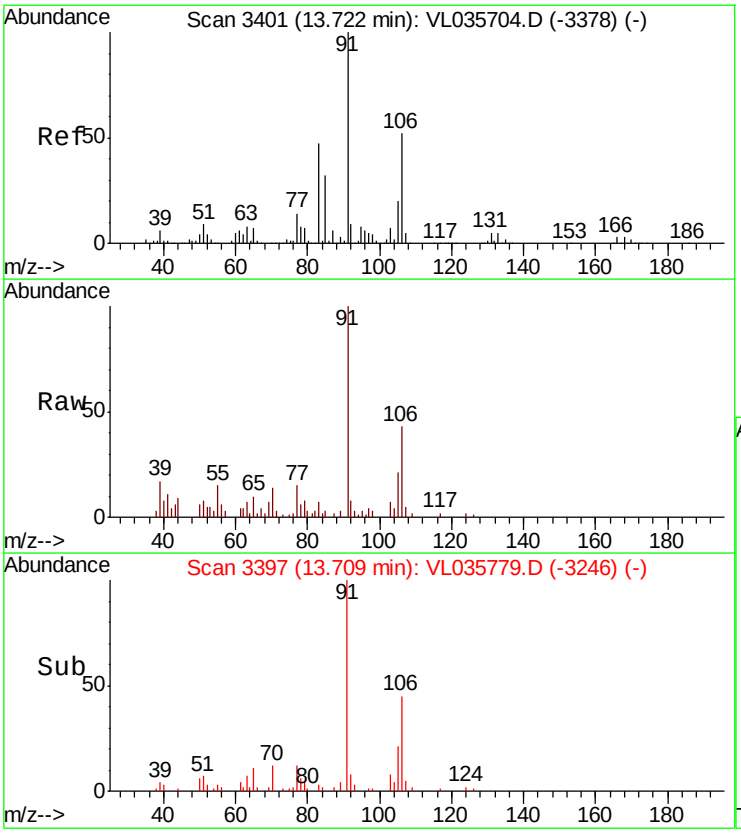
#59
m/p-Xylene
Concen: 0.041 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument : MSVOA_L
ClientSampleId : 4DL2

Tgt Ion: 91 Resp: 14338

Ion	Ratio	Lower	Upper
91	100		
106	0.0	41.4	62.0#

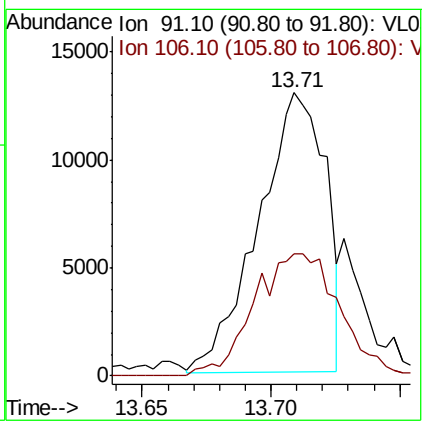


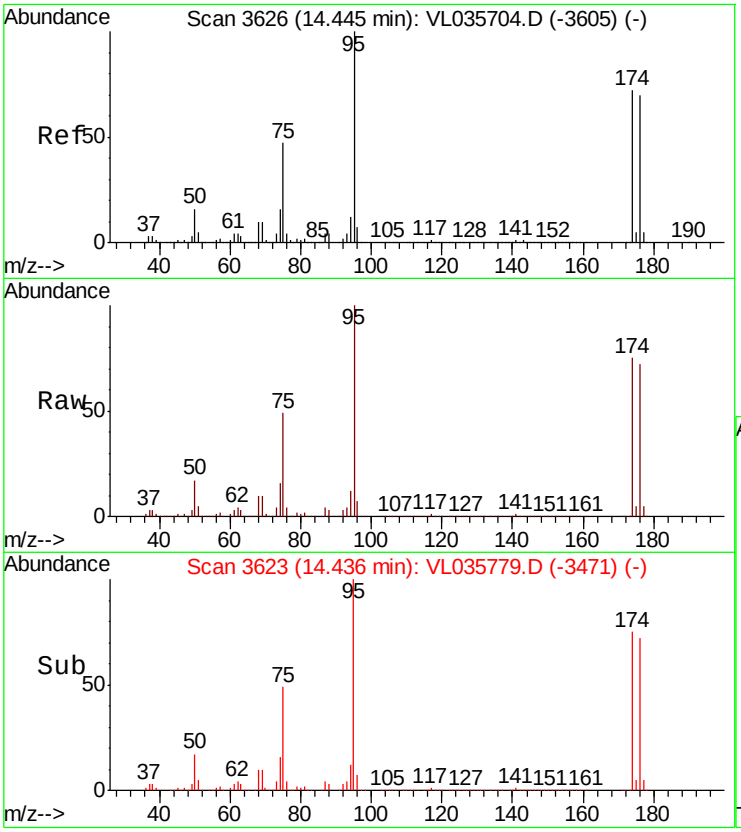


#60
o-Xylene
Concen: 0.066 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion: 91 Resp: 23389

Ion	Ratio	Lower	Upper
91	100		
106	55.9	25.0	75.0



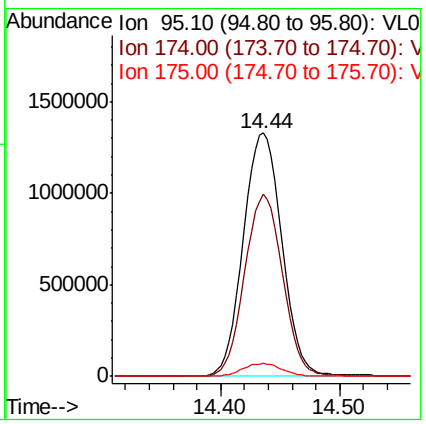


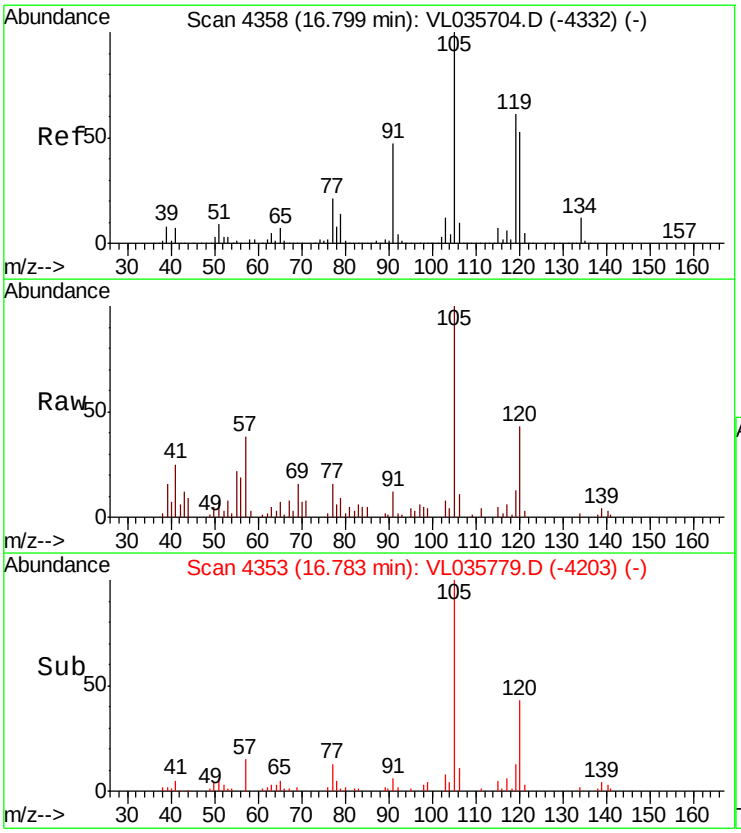
#68
1-Bromo-4-Fluorobenzene
Concen: 9.990 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
4DL2

Tgt Ion: 95 Resp: 2988298

Ion	Ratio	Lower	Upper
95	100		
174	74.3	59.6	89.4
175	5.3	4.2	6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.075 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.02 min
Lab File: VL035779.D
Acq: 13 Oct 2020 2:07

Tgt Ion:105 Resp: 33620

Ion	Ratio	Lower	Upper
105	100		
120	44.1	42.5	63.7
91	8.3	37.7	56.5#
77	13.4	16.7	25.1#