Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035846.D
Acq On : 5 Nov 2020 00:01
Operator : SY/AP
Sample : L4220-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:58:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	776470	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3412484	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3100037	10.00	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2197996	9.98	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	31486	0.215	ppbv	97
3) Chlorodifluoromethane	2.96	51	53187	0.572	ppbv #	80
4) Chloromethane	3.11	50	29771	0.659	ppbv	93
9) Propene	3.18	41	179483	5.274	ppbv	94
10) Heptane	8.09	43	4393	0.047	ppbv #	19
11) Trichlorofluoromethane	3.92	101	47879	0.261	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	11246	0.082	ppbv	99
13) Ethanol	3.58	45	910000	123.250	ppbv	94
15) Acetone	3.82	43	574416	6.920	ppbv	98
16) 1,3-Butadiene	3.29	39	20256	0.567	ppbv #	60
19) Isopropyl Alcohol	3.95	45	265286	5.200	ppbv #	94
20) Methylene Chloride	4.31	84	114072	1.952	ppbv	94
23) Vinyl Acetate	5.04	43	9555	0.082	ppbv #	81
25) Ethyl Acetate	5.66	43	97006	0.593	ppbv #	80
26) Hexane	5.65	57	134151	1.487	ppbv #	51
27) Carbon Disulfide	4.53	76	16210	0.120	ppbv #	79
29) Chloroform	5.72	83	25678	0.145	ppbv	93
30) Cyclohexane	7.09	84	3467	0.035	ppbv #	6
34) 2-Butanone	5.22	43	25954	0.234	ppbv #	88
36) Benzene	6.86	78	98081	0.387	ppbv	92
39) 1,2-Dichloropropane	7.14	63	619282	7.250	ppbv #	30
44) 2,2,4-Trimethylpentane	7.83	57	28596	0.085	ppbv #	75
53) Toluene	9.77	91	579788	1.894	ppbv	98
58) Ethyl Benzene	12.68	91	21793	0.058	ppbv	88
59) m/p-Xylene	12.93	91	46196	0.145	ppbv	96
60) o-Xylene	13.65	91	17670	0.057	ppbv	98

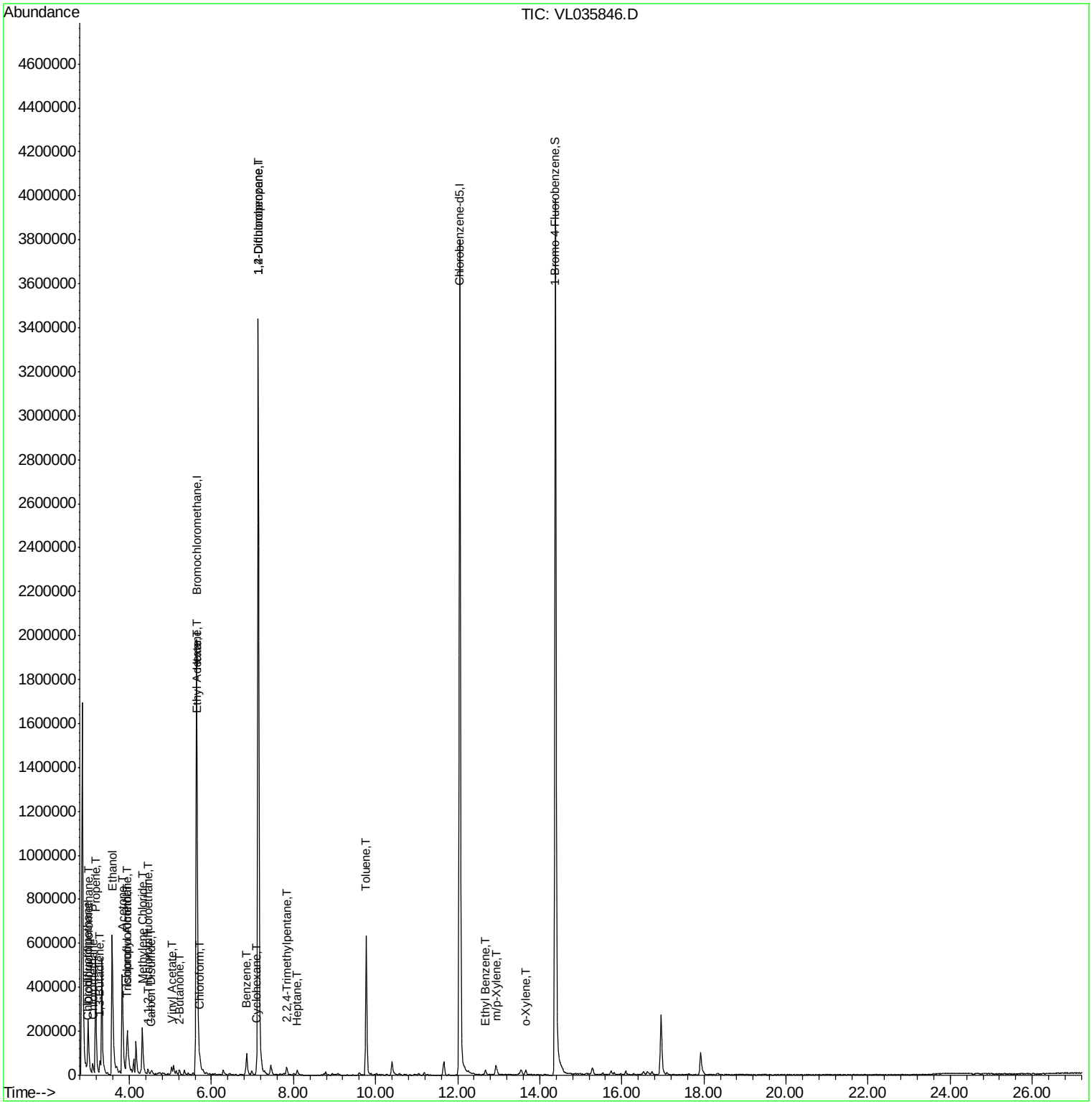
(#) = qualifier out of range (m) = manual integration (+) = signals summed

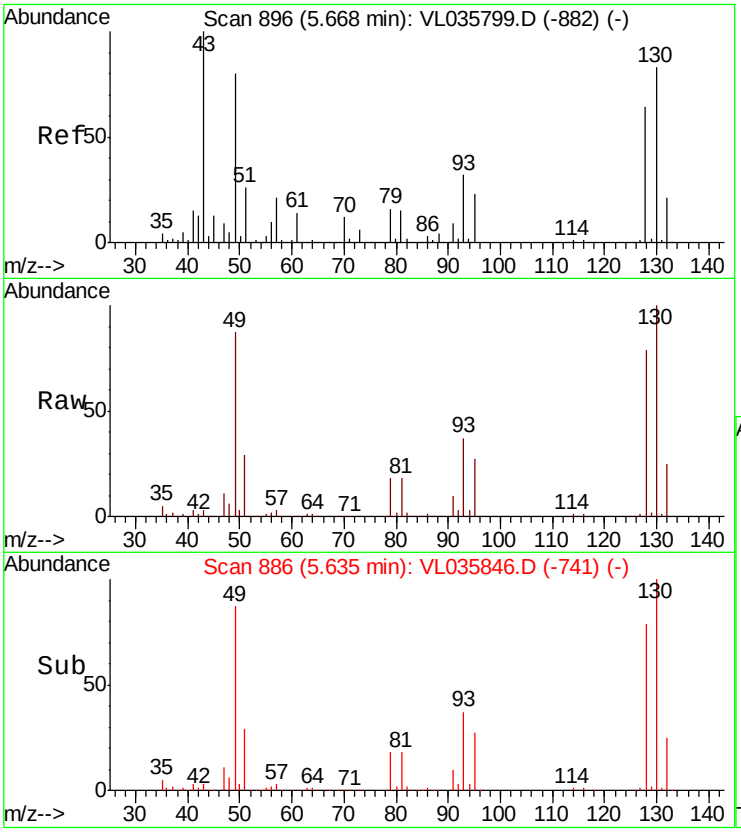
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110420\
Data File : VL035846.D
Acq On : 5 Nov 2020 00:01
Operator : SY/AP
Sample : L4220-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 05 02:58:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



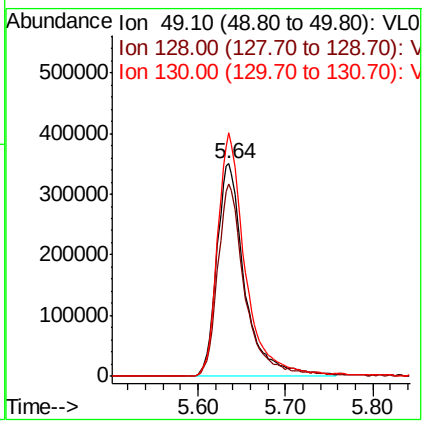


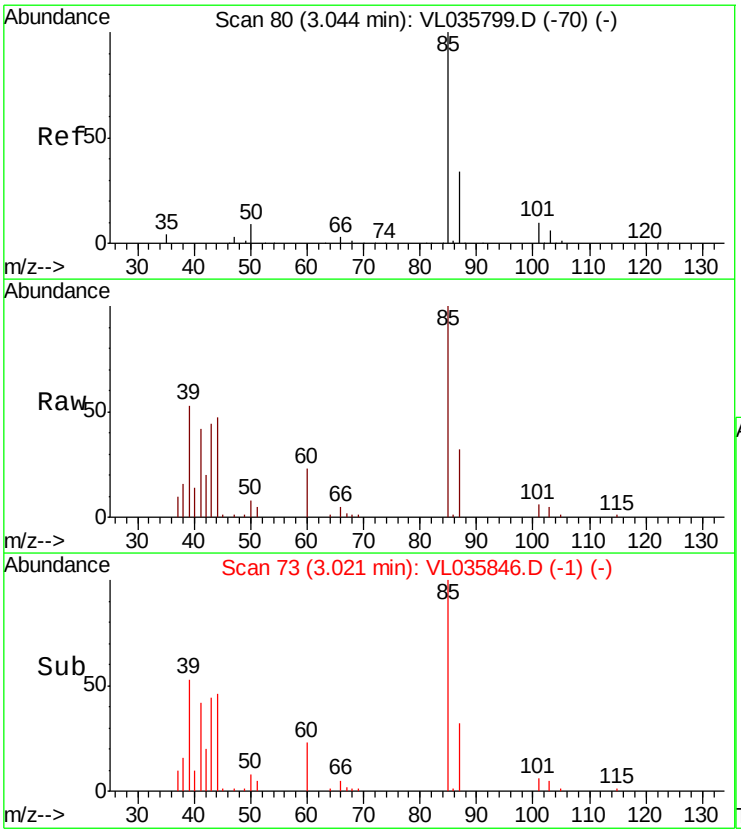
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 776470

Ion	Ratio	Lower	Upper
49	100		
128	89.7	41.5	124.6
130	114.8	53.7	161.1

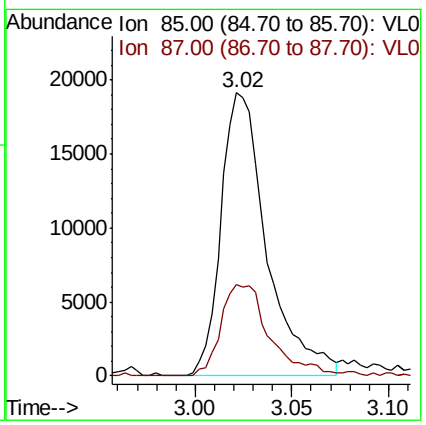


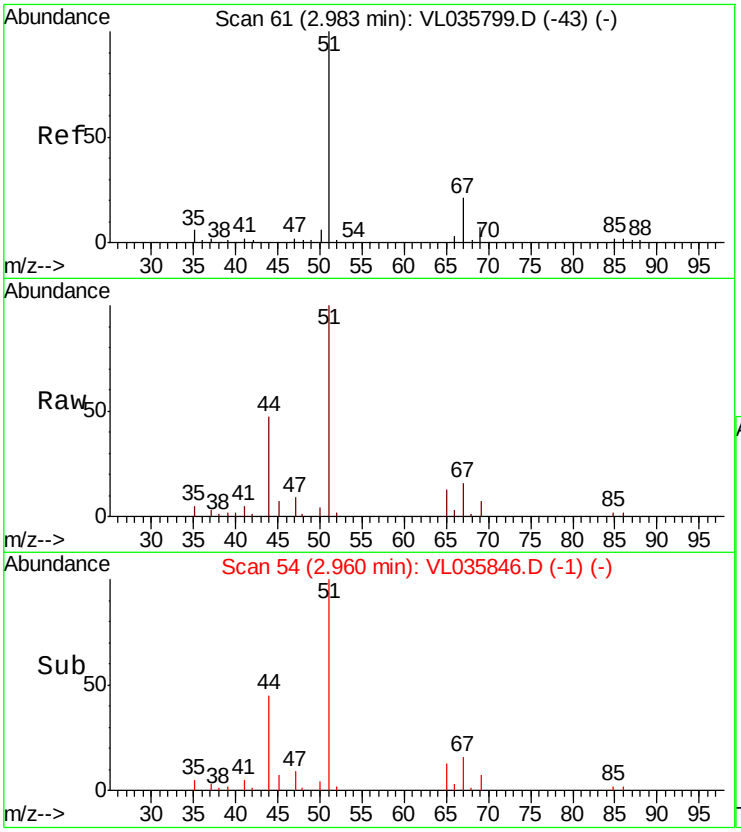


#2
Dichlorodifluoromethane
Concen: 0.215 ppbv
RT: 3.02 min Scan# 73
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 85 Resp: 31486

Ion	Ratio	Lower	Upper
85	100		
87	32.1	27.1	40.7



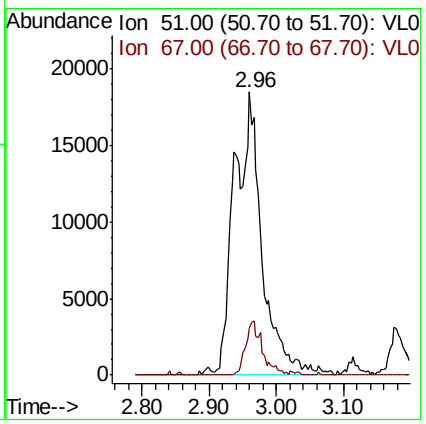


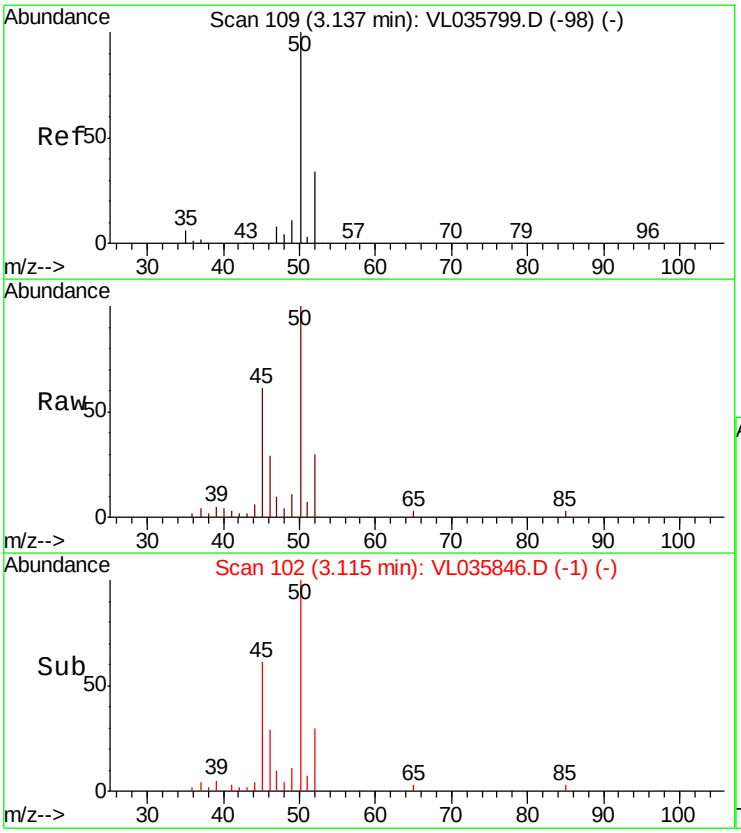
#3
Chlorodifluoromethane
Concen: 0.572 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 53187

Ion	Ratio	Lower	Upper
51	100		
67	11.9	17.0	25.4#

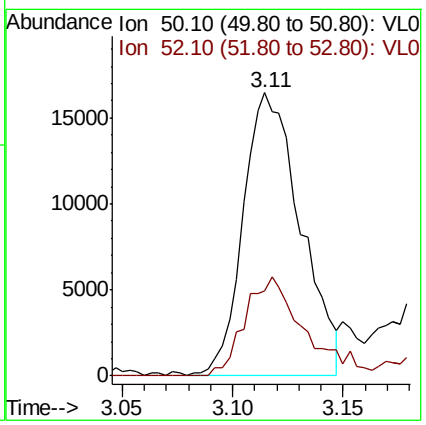


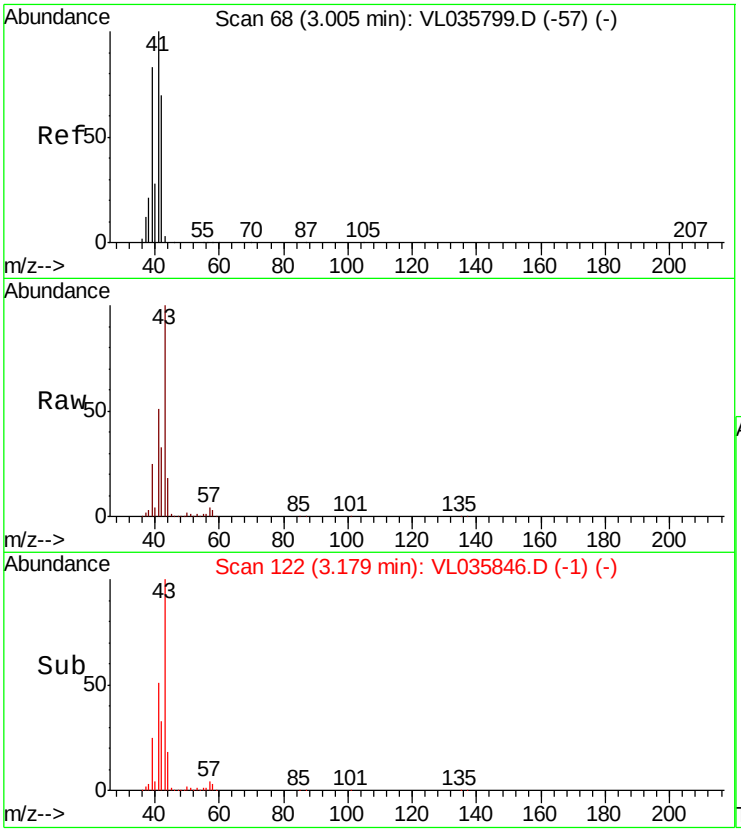


#4
Chloromethane
Concen: 0.659 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 50 Resp: 29771

Ion	Ratio	Lower	Upper
50	100		
52	29.9	27.1	40.7



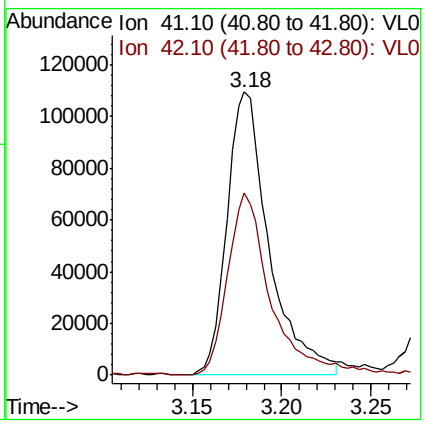


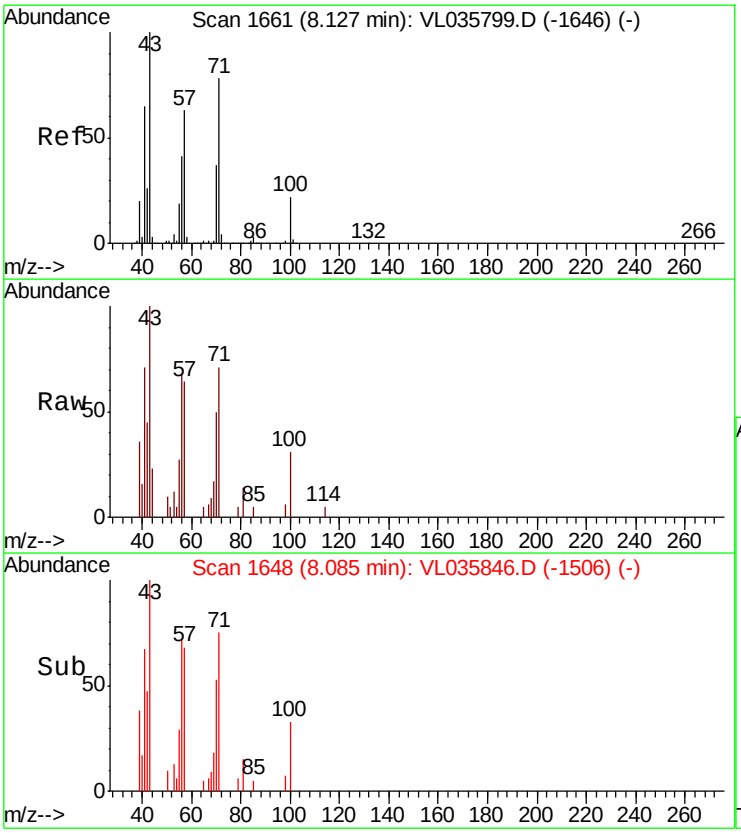
#9
Propene
Concen: 5.274 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.17 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 179483

Ion	Ratio	Lower	Upper
41	100		
42	65.4	56.2	84.4

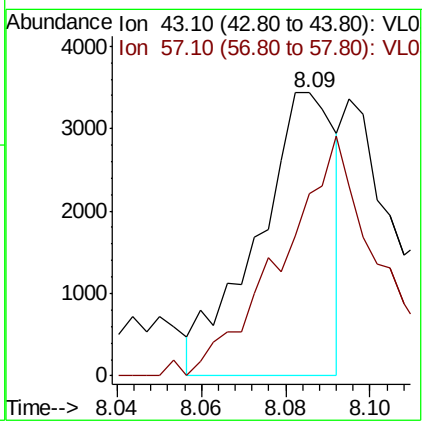


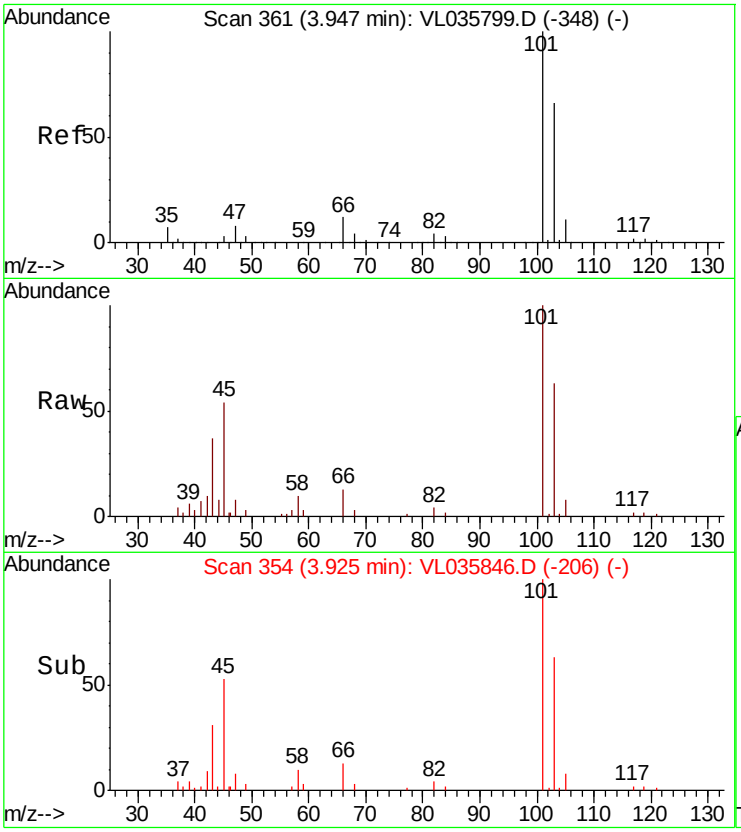


#10
Heptane
Concen: 0.047 ppbv
RT: 8.09 min Scan# 1648
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 43 Resp: 4393

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.0	75.0#



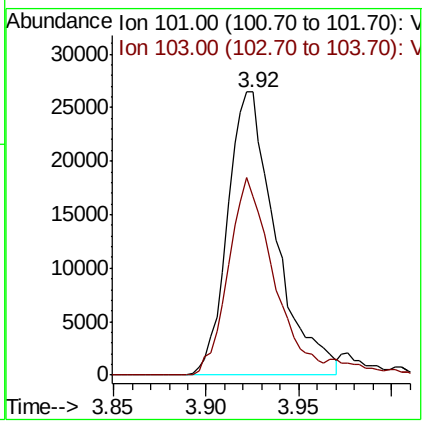


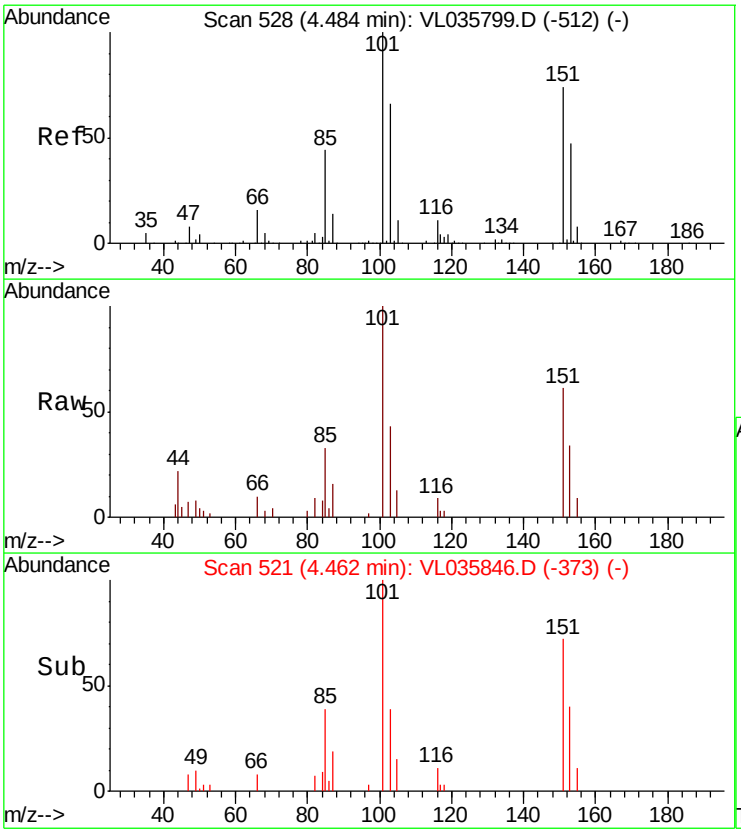
#11
Trichlorofluoromethane
Concen: 0.261 ppbv
RT: 3.92 min Scan# 354
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 47879

Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.0	79.4

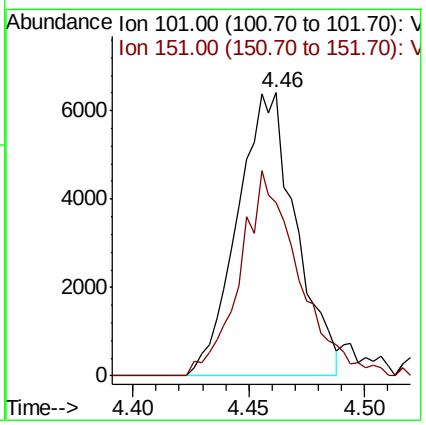


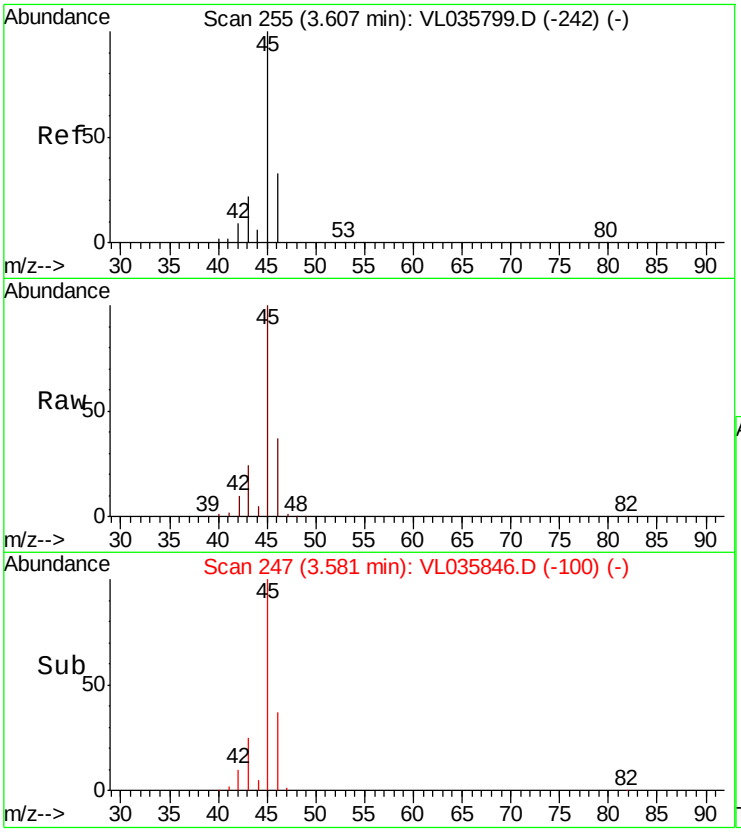


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.082 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion:101 Resp: 11246

Ion	Ratio	Lower	Upper
101	100		
151	72.7	58.9	88.3



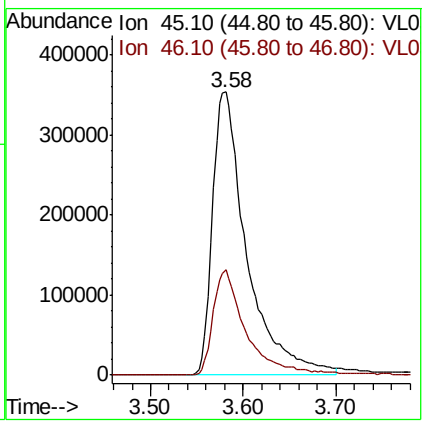


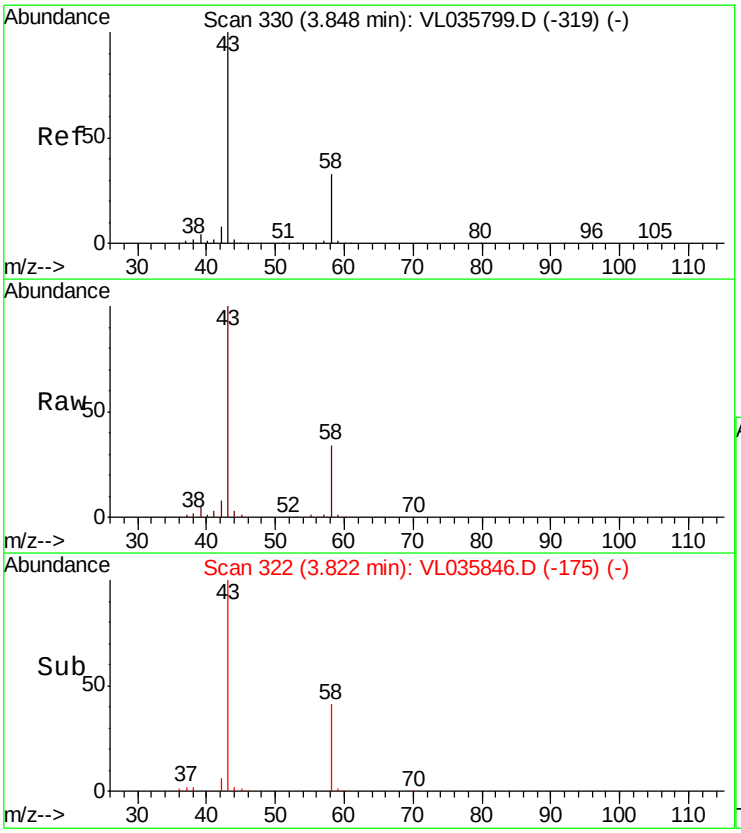
#13
Ethanol
Concen: 123.250 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.03 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 910000

Ion	Ratio	Lower	Upper
45	100		
46	36.5	16.1	64.5

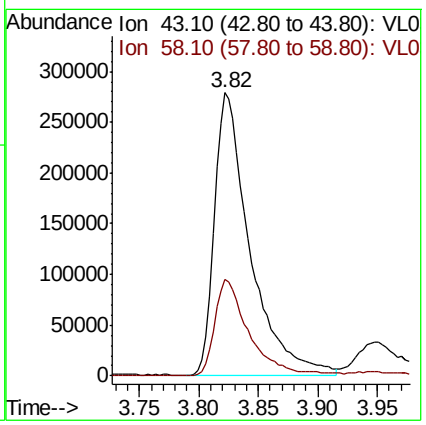


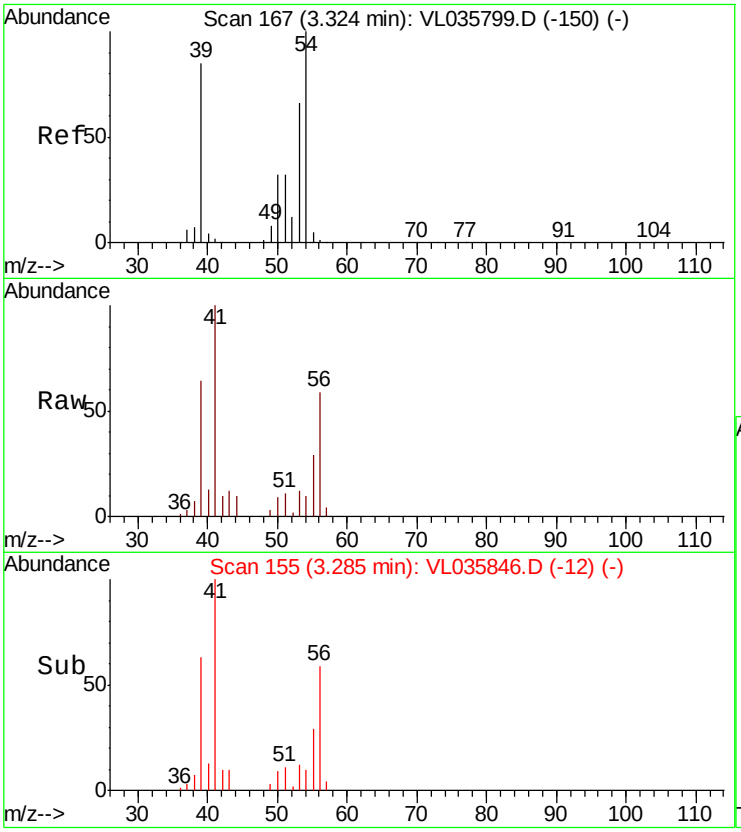


#15
Acetone
Concen: 6.920 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 43 Resp: 574416

Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.5	41.3



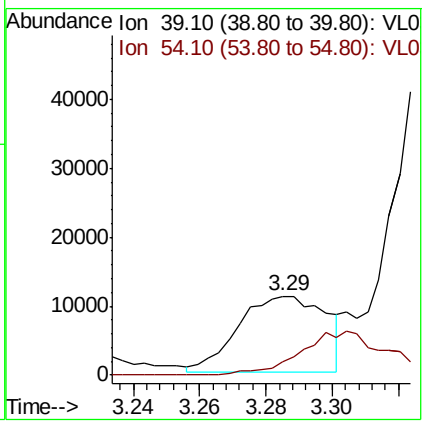


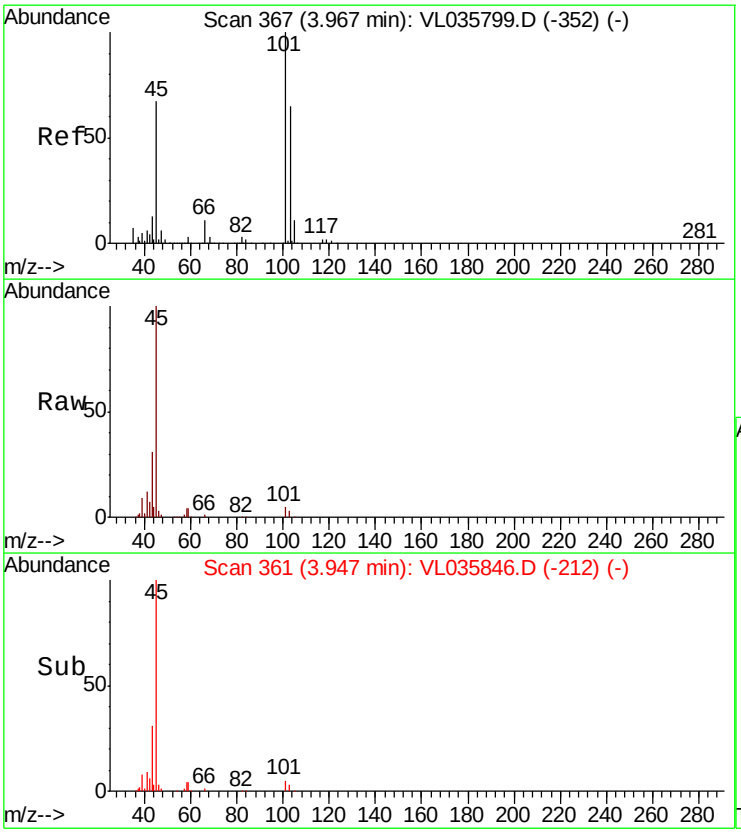
#16
1,3-Butadiene
Concen: 0.567 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 20256

Ion	Ratio	Lower	Upper
39	100		
54	67.4	87.1	130.7#

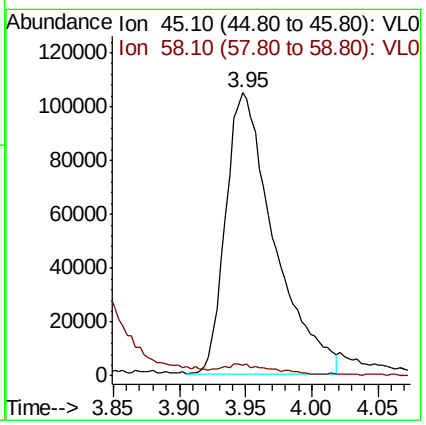


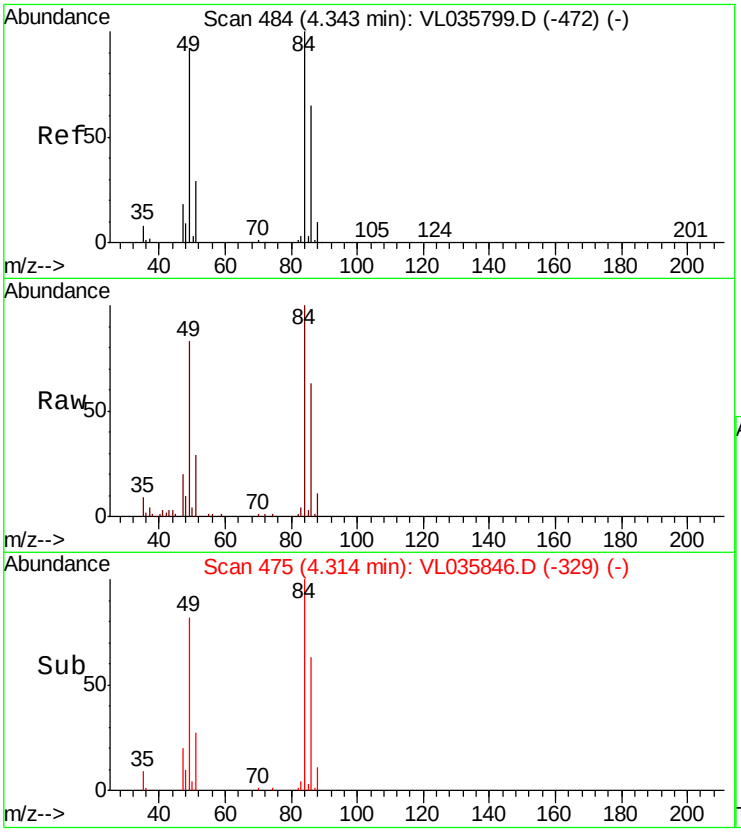


#19
Isopropyl Alcohol
Concen: 5.200 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 45 Resp: 265286

Ion	Ratio	Lower	Upper
45	100		
58	5.1	2.6	3.8#



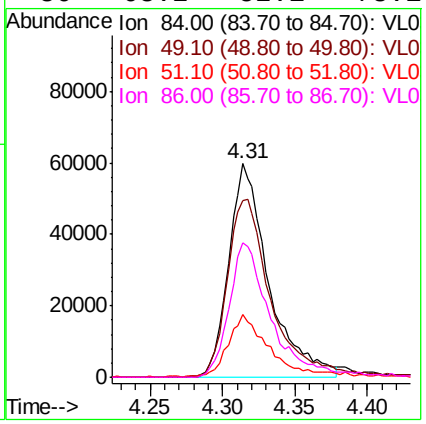


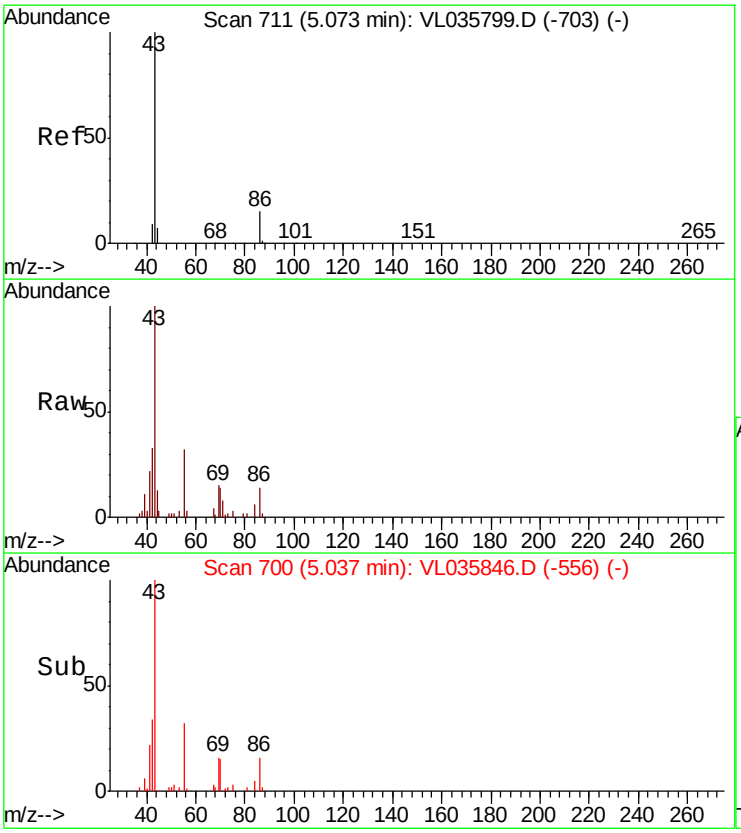
#20
Methylene Chloride
Concen: 1.952 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 114072

Ion	Ratio	Lower	Upper
84	100		
49	82.8	73.8	110.8
51	28.9	23.0	34.4
86	63.2	52.1	78.1

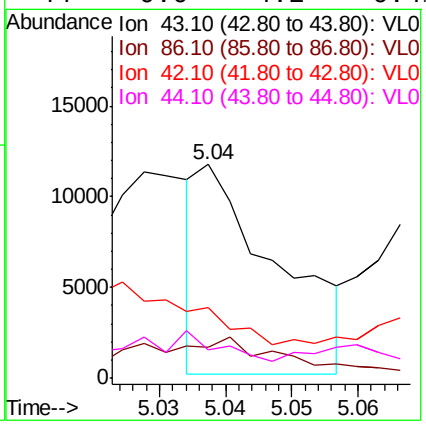


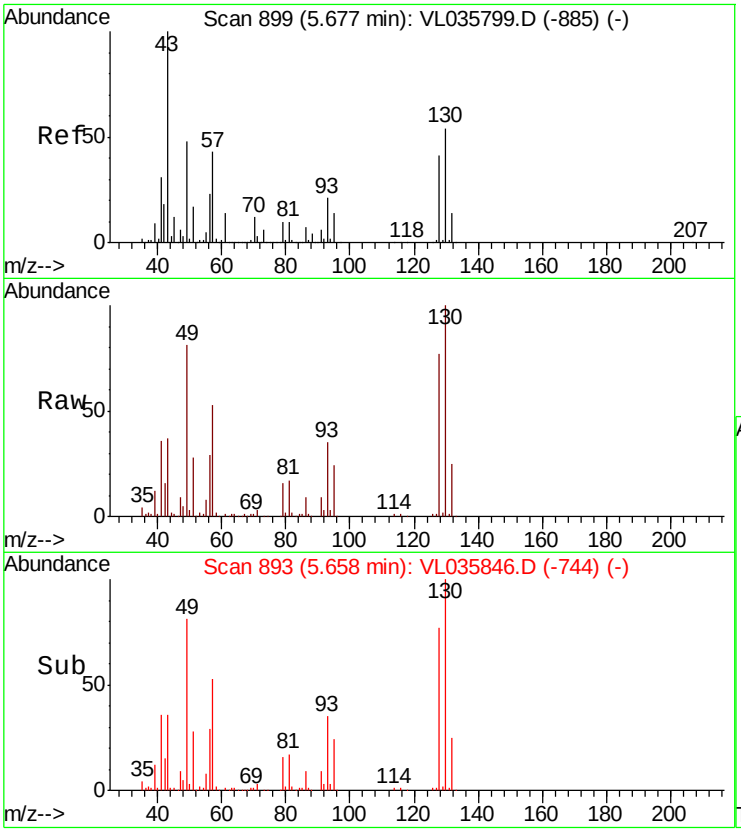


#23
Vinyl Acetate
Concen: 0.082 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 43 Resp: 9555

Ion	Ratio	Lower	Upper
43	100		
86	14.1	9.8	14.6
42	24.2	8.1	12.1#
44	0.0	4.2	6.4#



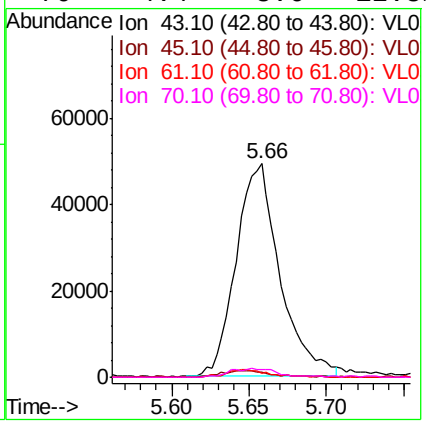


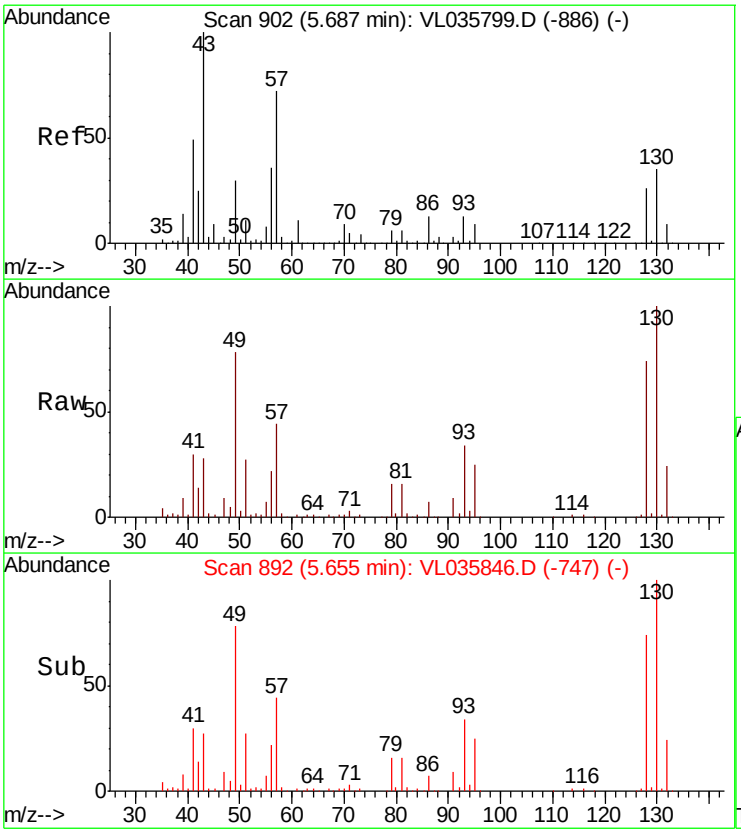
#25
Ethyl Acetate
Concen: 0.593 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 97006

Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.5	12.7#
61	3.7	10.7	16.1#
70	4.4	8.6	12.8#

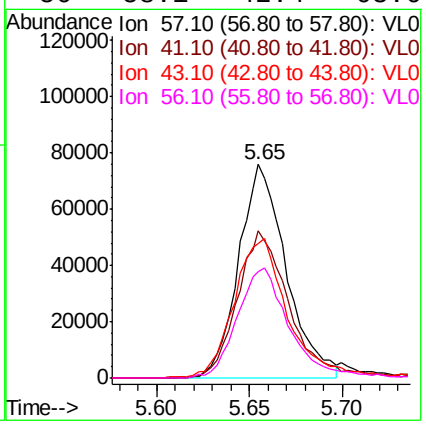


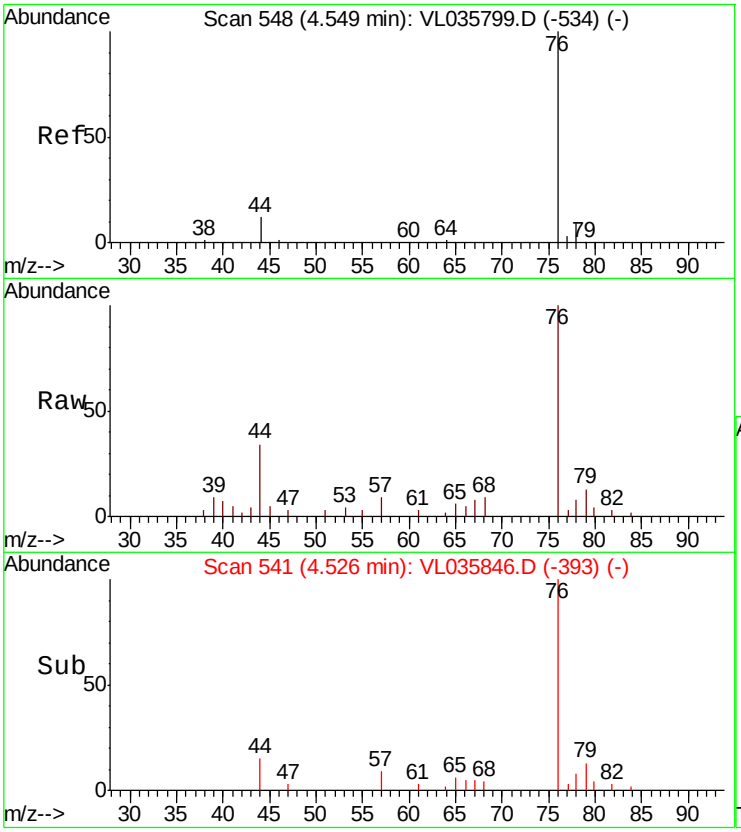


#26
Hexane
Concen: 1.487 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 57 Resp: 134151

Ion	Ratio	Lower	Upper
57	100		
41	77.6	58.9	88.3
43	75.1	150.2	225.2#
56	58.1	42.4	63.6



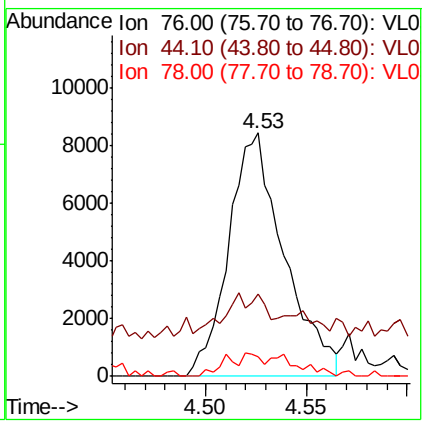


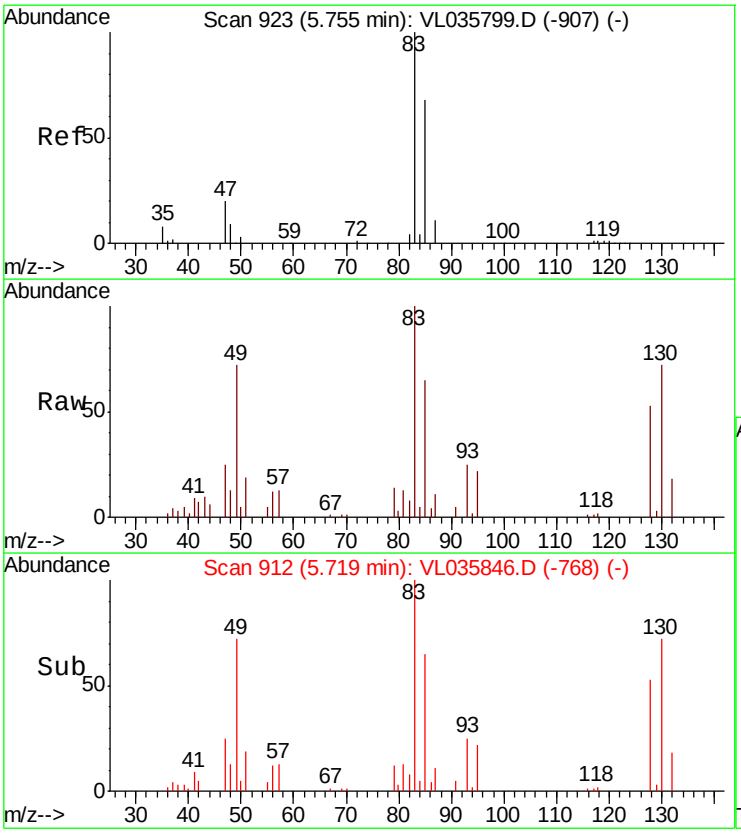
#27
Carbon Disulfide
Concen: 0.120 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.02 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 16210

Ion	Ratio	Lower	Upper
76	100		
44	26.6	9.9	14.9#
78	11.3	8.1	12.1

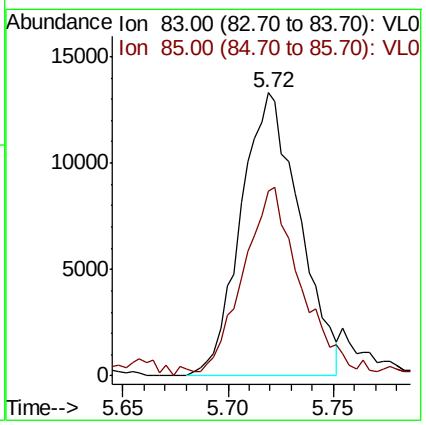


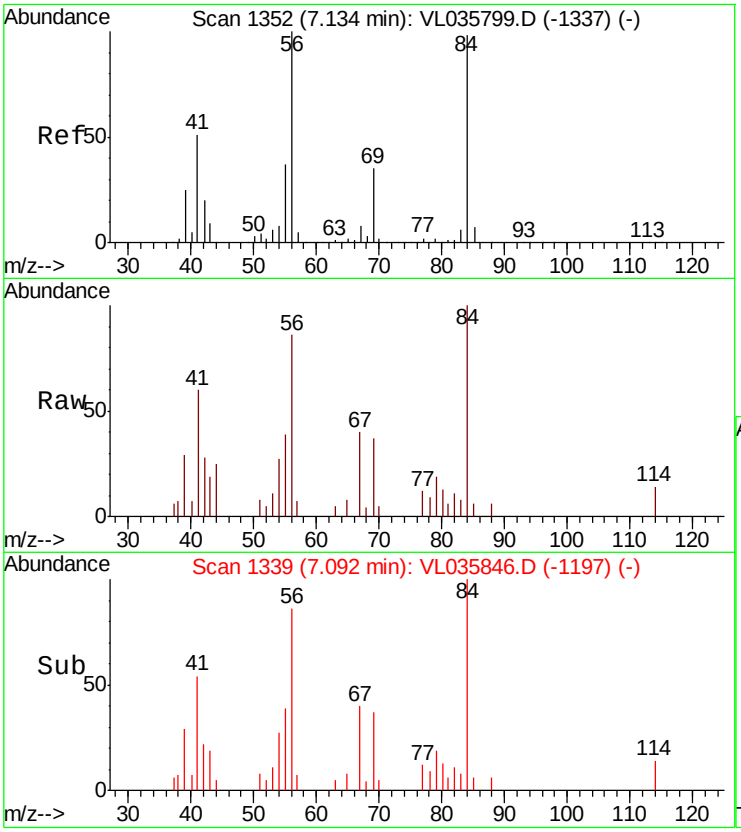


#29
Chloroform
Concen: 0.145 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 83 Resp: 25678

Ion	Ratio	Lower	Upper
83	100		
85	62.8	54.6	81.8



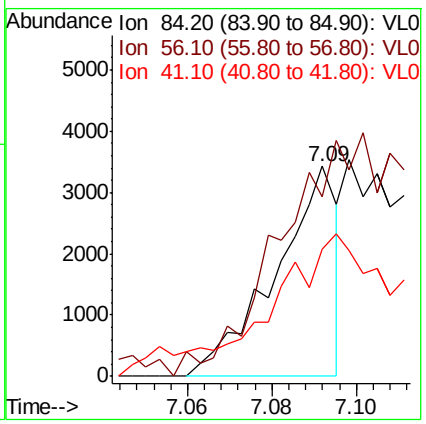


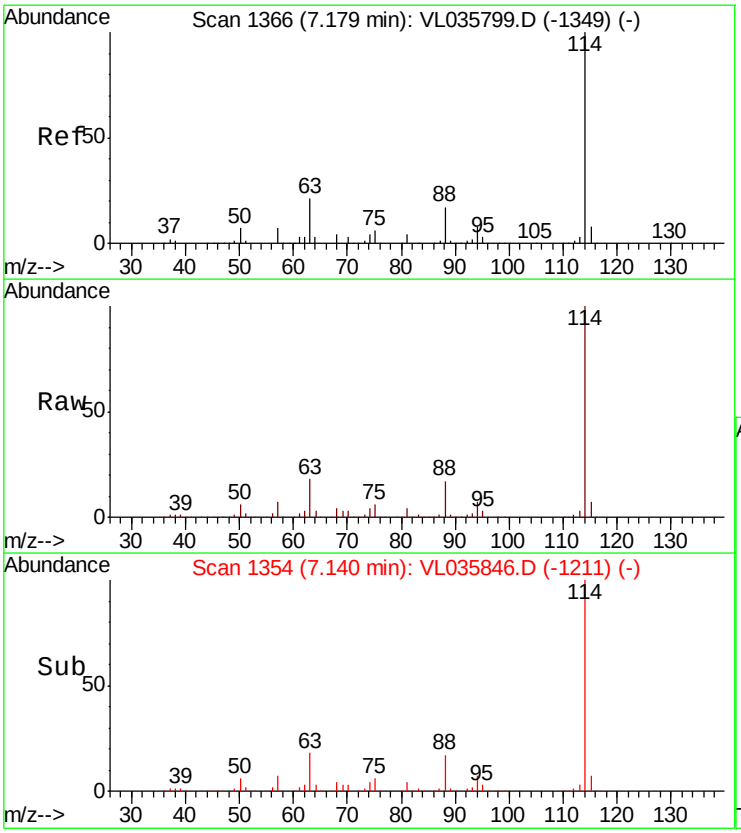
#30
Cyclohexane
Concen: 0.035 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3467

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	0.0	42.1	63.1#

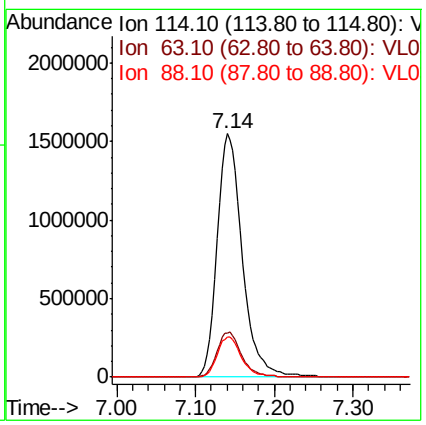


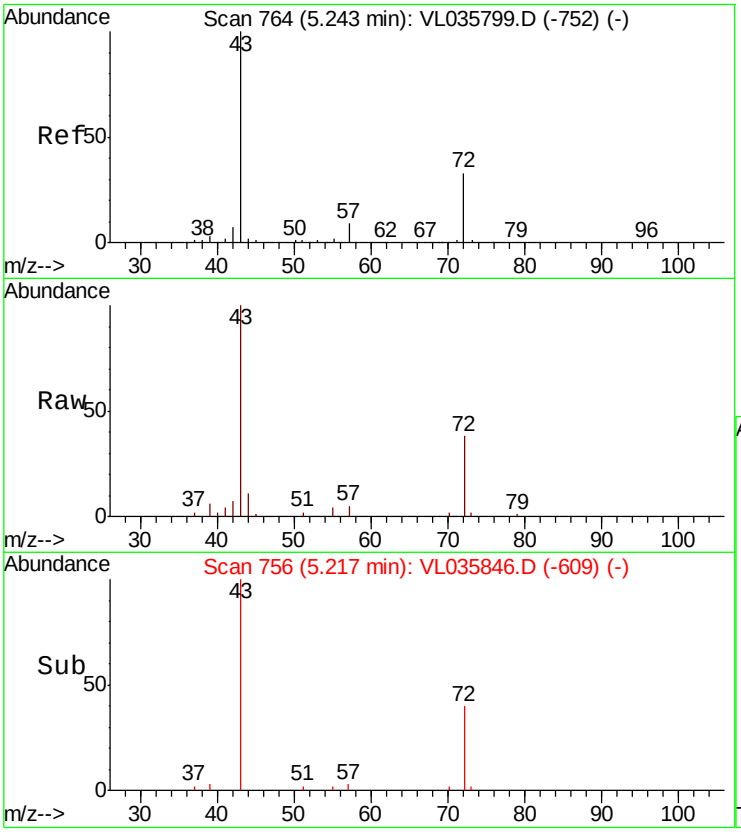


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion:114 Resp: 3412484

Ion	Ratio	Lower	Upper
114	100		
63	18.3	16.1	24.1
88	16.3	13.7	20.5



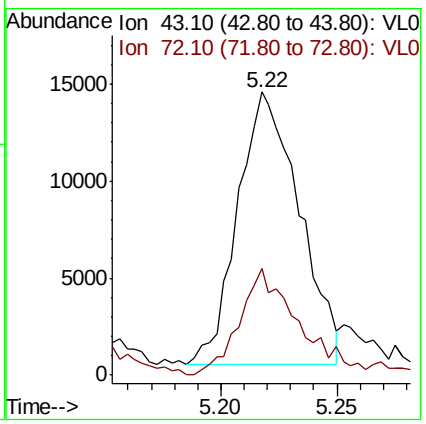


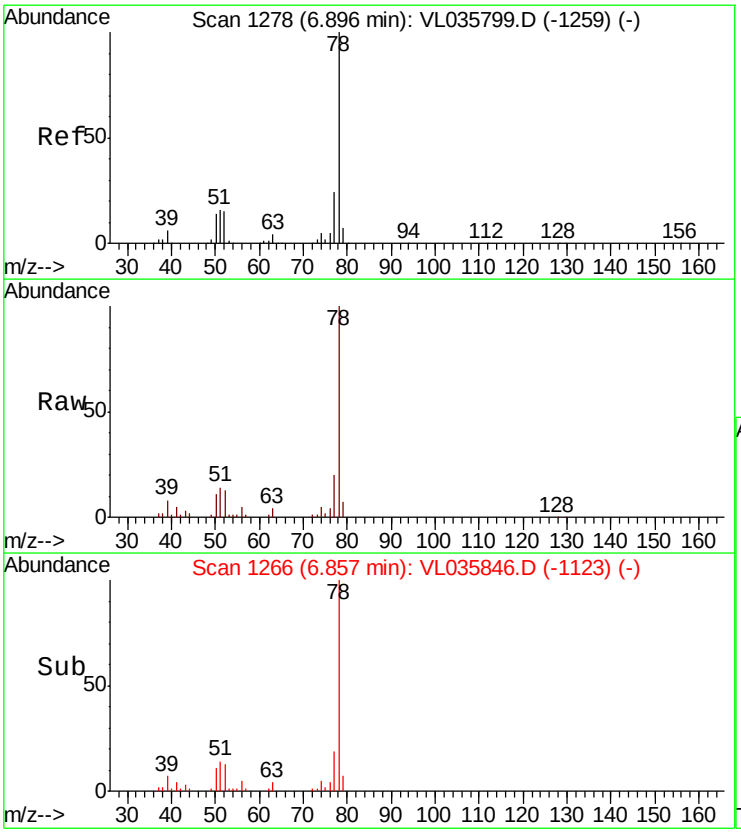
#34
2-Butanone
Concen: 0.234 ppbv
RT: 5.22 min Scan# 756
Delta R.T. -0.03 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 25954

Ion	Ratio	Lower	Upper
43	100		
72	40.1	26.5	39.7#

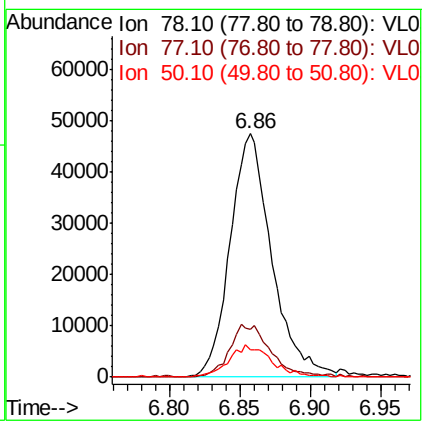


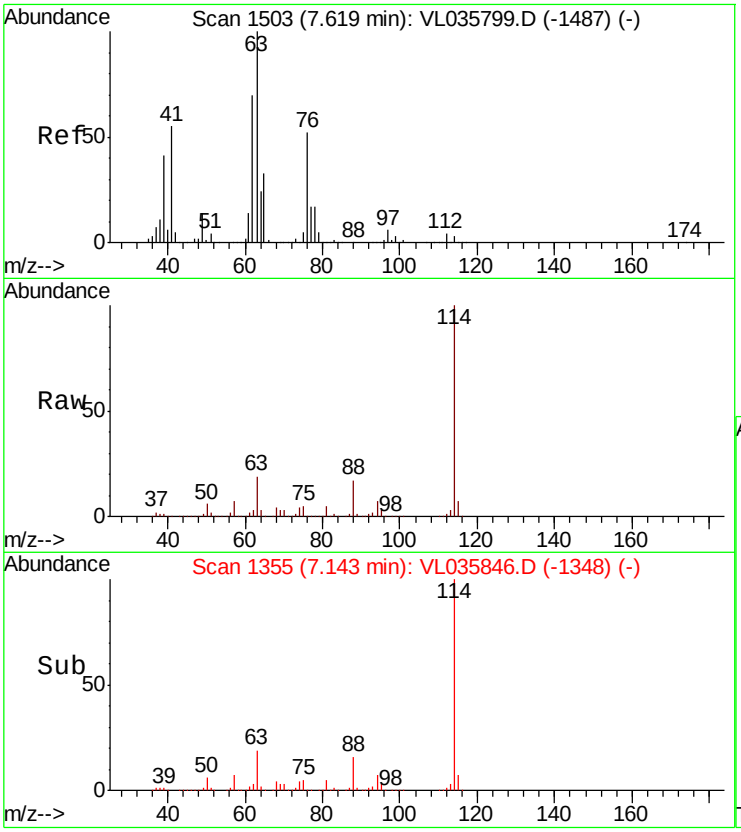


#36
Benzene
Concen: 0.387 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 78 Resp: 98081

Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.3	28.9
50	11.4	11.4	17.2



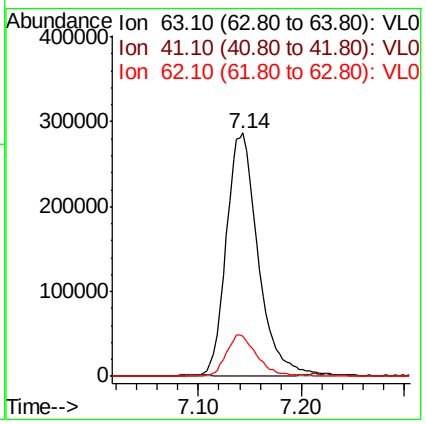


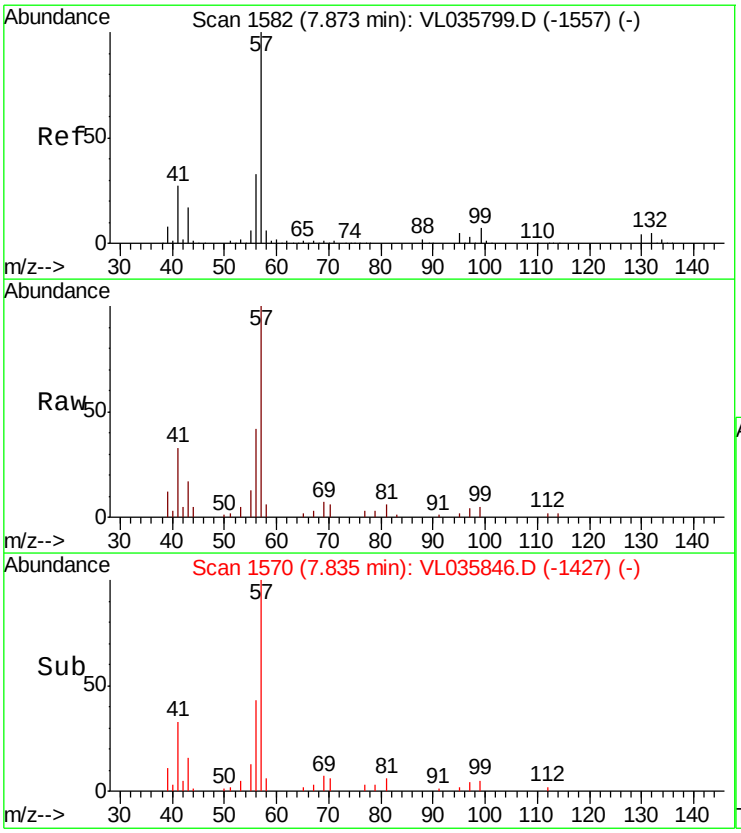
#39
1,2-Dichloropropane
Concen: 7.250 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 619282

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.3	56.2	84.2#

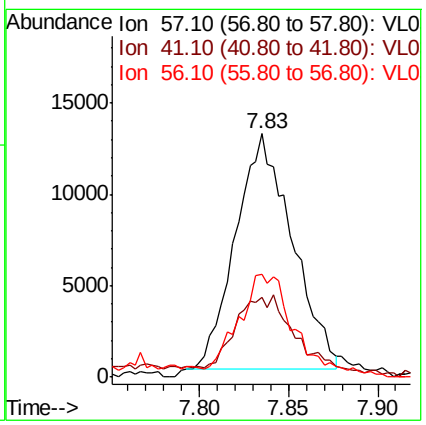


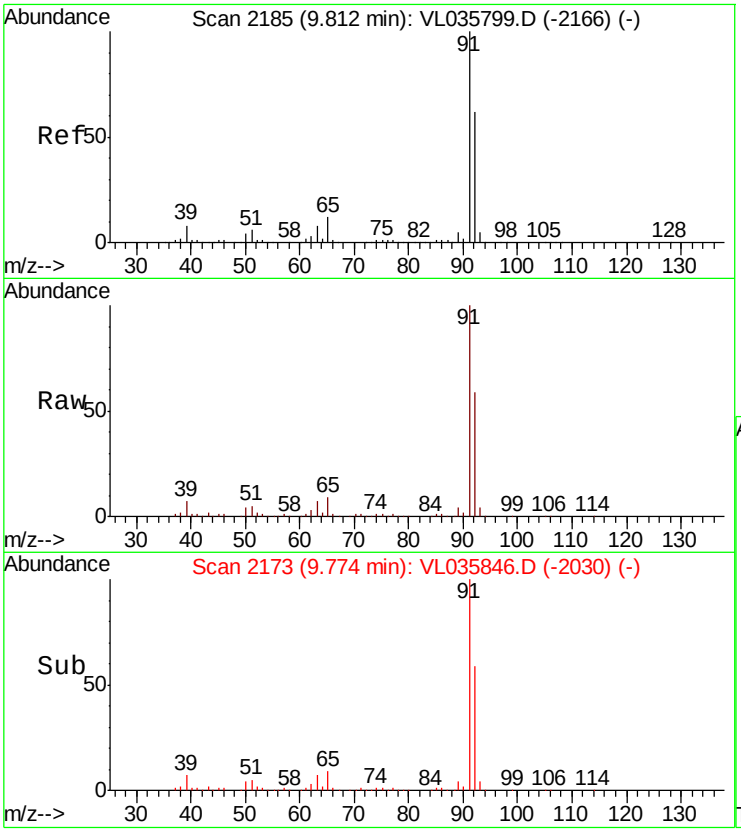


#44
2,2,4-Trimethylpentane
Concen: 0.085 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 57 Resp: 28596

Ion	Ratio	Lower	Upper
57	100		
41	40.4	21.0	31.4#
56	44.7	25.4	38.0#



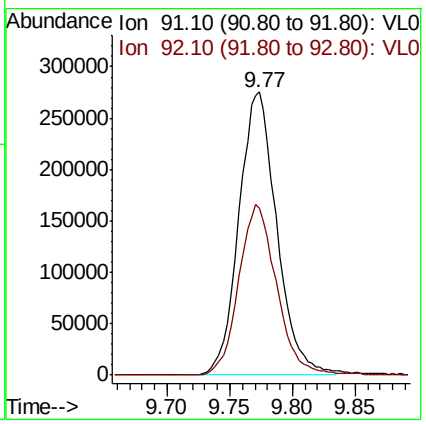


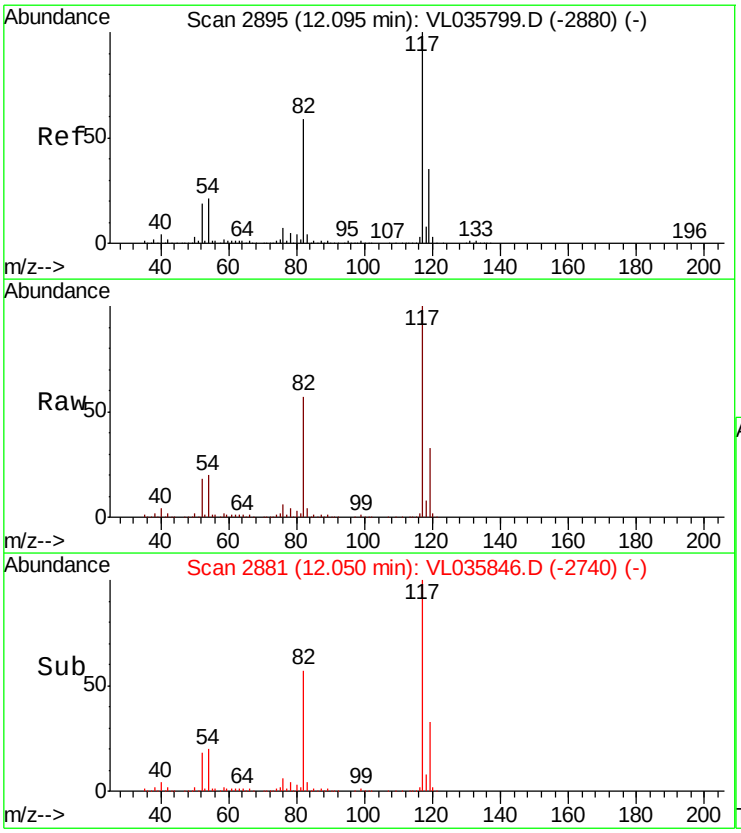
#53
Toluene
Concen: 1.894 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 579788

Ion	Ratio	Lower	Upper
91	100		
92	60.4	49.8	74.6

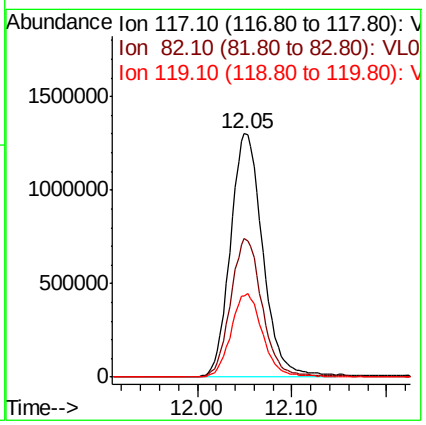


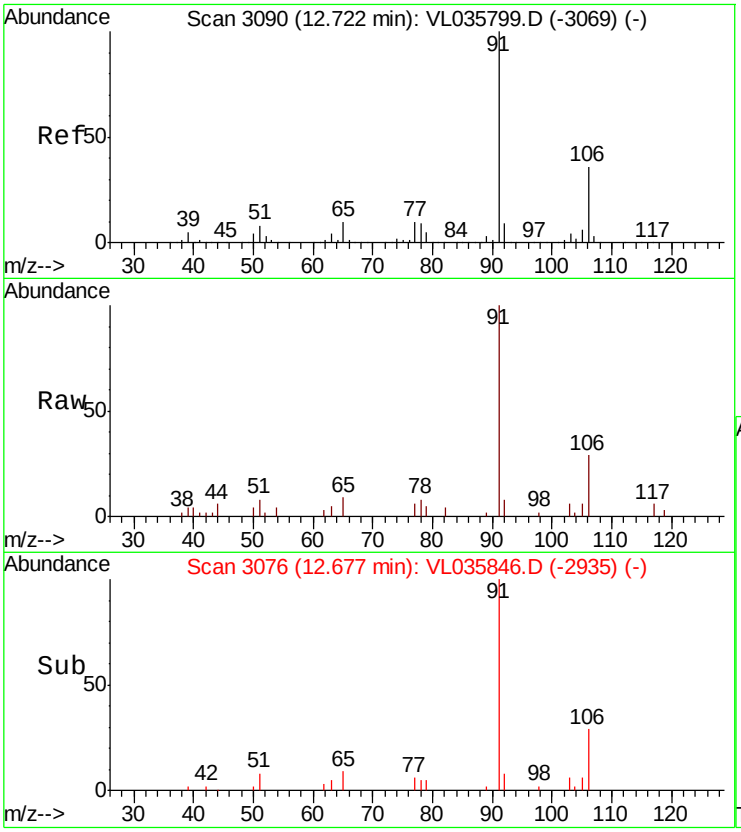


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.05 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion:117 Resp: 3100037

Ion	Ratio	Lower	Upper
117	100		
82	56.5	50.6	76.0
119	34.0	52.6	78.8#



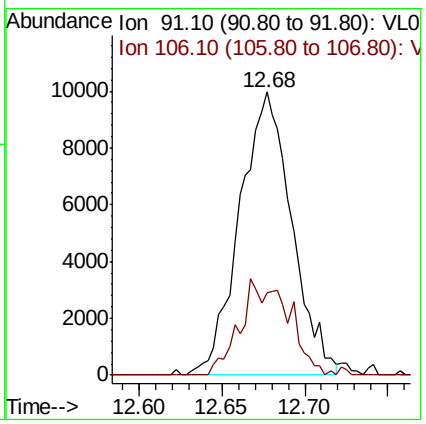


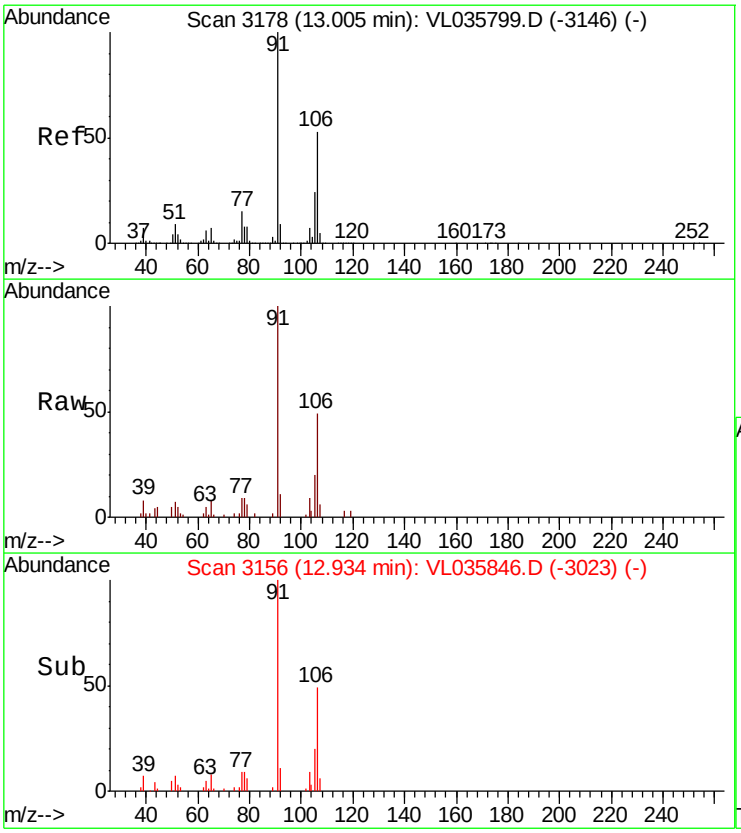
#58
Ethyl Benzene
Concen: 0.058 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.05 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 21793

Ion	Ratio	Lower	Upper
91	100		
106	29.0	28.6	43.0

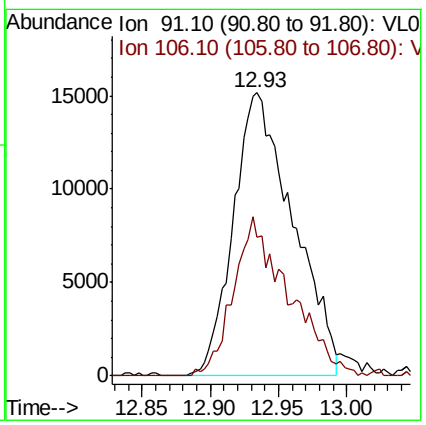


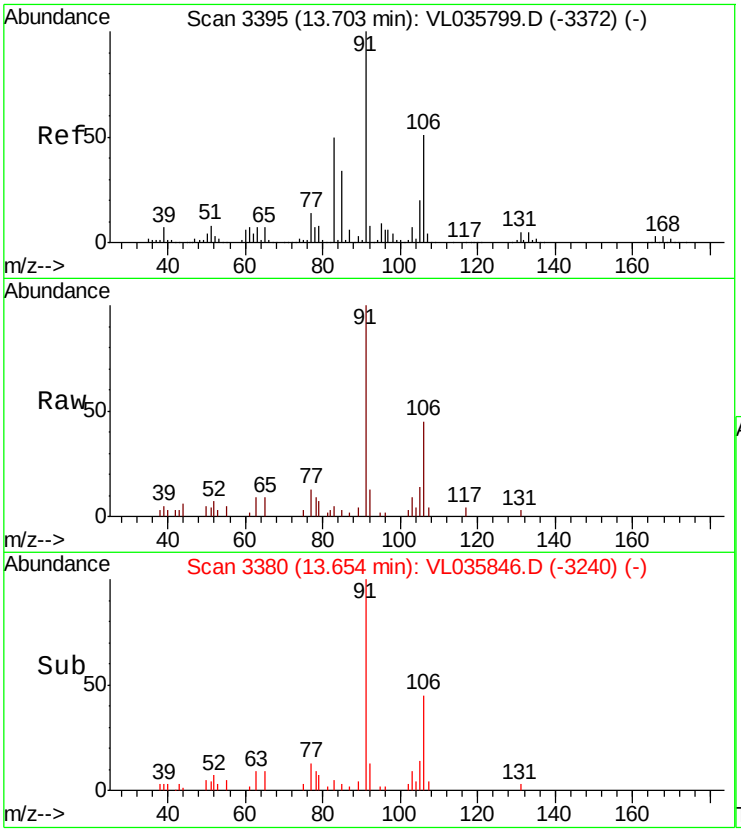


#59
m/p-Xylene
Concen: 0.145 ppbv
RT: 12.93 min Scan# 3156
Delta R.T. -0.07 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 91 Resp: 46196

Ion	Ratio	Lower	Upper
91	100		
106	52.0	39.5	59.3



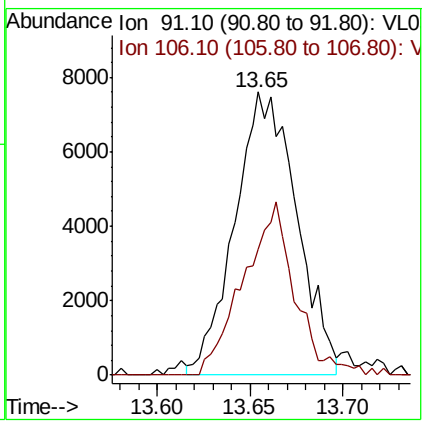


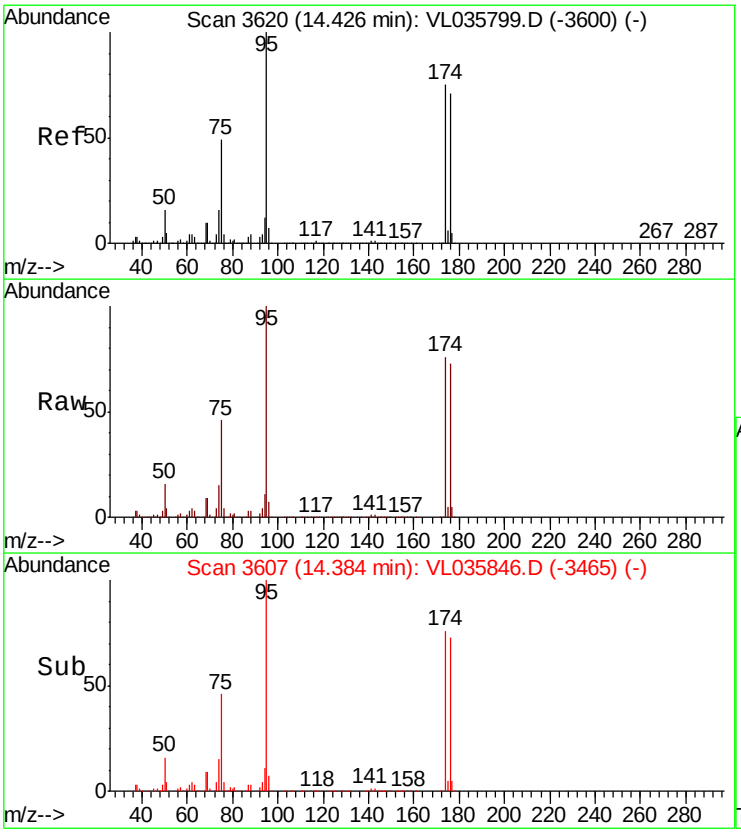
#60
o-Xylene
Concen: 0.057 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.05 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 17670

Ion	Ratio	Lower	Upper
91	100		
106	51.2	24.8	74.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.980 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL035846.D
Acq: 5 Nov 2020 00:01

Tgt Ion: 95 Resp: 2197996

Ion	Ratio	Lower	Upper
95	100		
174	79.7	59.8	89.6
175	5.4	4.3	6.5