Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111020\
Data File : VL035903.D
Acq On : 11 Nov 2020 00:34
Operator : SY/AP
Sample : L4618-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Quant Time: Nov 11 01:25:02 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	5.66	49	1138705	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3956417	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3589977	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2699878	10.59	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	53201	0.248	ppbv		96
3) Chlorodifluoromethane	2.97	51	43795	0.321	ppbv		94
4) Chloromethane	3.13	50	30528	0.461	ppbv		98
9) Propene	3.19	41	276971	5.549	ppbv		97
10) Heptane	8.11	43	7785	0.056	ppbv	#	19
11) Trichlorofluoromethane	3.94	101	61566	0.229	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	13289	0.066	ppbv		94
13) Ethanol	3.64	45	21131453	1951.585	ppbv		94
15) Acetone	3.83	43	3221147	26.460	ppbv		100
16) 1,3-Butadiene	3.34	39	2689920	51.322	ppbv	#	1
17) tert-Butyl alcohol	4.34	59	110226	0.683	ppbv		96
19) Isopropyl Alcohol	3.64	45	21131453	282.461	ppbv	#	94
20) Methylene Chloride	4.33	84	495232	5.779	ppbv		95
25) Ethyl Acetate	5.67	43	133993	0.559	ppbv	#	78
26) Hexane	5.68	57	205755	1.556	ppbv	#	48
29) Chloroform	5.74	83	58831	0.226	ppbv		90
34) 2-Butanone	5.24	43	31710	0.247	ppbv		99
35) Carbon Tetrachloride	7.01	117	11180	0.053	ppbv	#	91
36) Benzene	6.88	78	36248	0.123	ppbv	#	88
39) 1,2-Dichloropropane	7.17	63	808342	8.163	ppbv	#	30
44) 2,2,4-Trimethylpentane	7.86	57	23846	0.061	ppbv	#	52
50) 4-Methyl-2-Pentanone	8.75	43	30224	0.154	ppbv	#	31
52) Tetrachloroethene	11.21	164	61045	0.438	ppbv		97
53) Toluene	9.80	91	691563	1.949	ppbv		96
58) Ethyl Benzene	12.71	91	48381	0.111	ppbv		91
59) m/p-Xylene	12.99	91	60919	0.165	ppbv	#	28
60) o-Xylene	13.69	91	72326	0.201	ppbv		96
72) 4-Ethyltoluene	15.84	105	13744	0.031	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.76	105	44368	0.104	ppbv	#	70

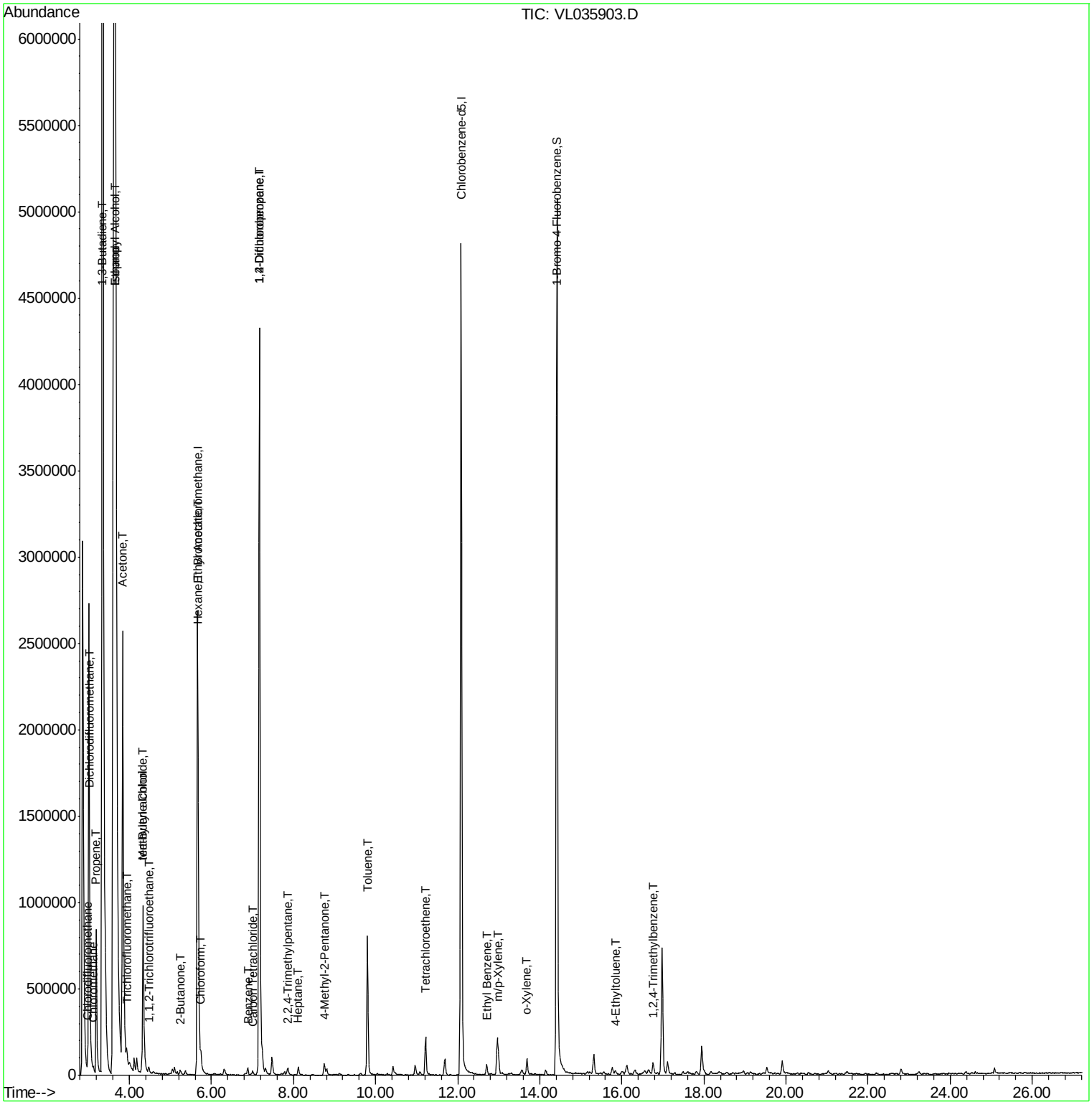
(#) = qualifier out of range (m) = manual integration (+) = signals summed

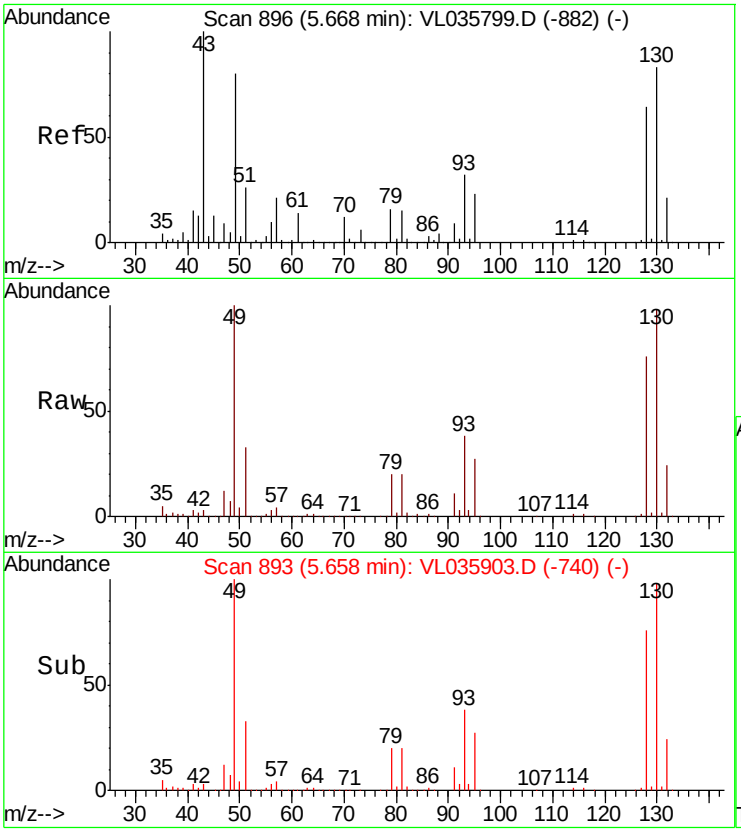
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111020\
Data File : VL035903.D
Acq On : 11 Nov 2020 00:34
Operator : SY/AP
Sample : L4618-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Quant Time: Nov 11 01:25:02 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



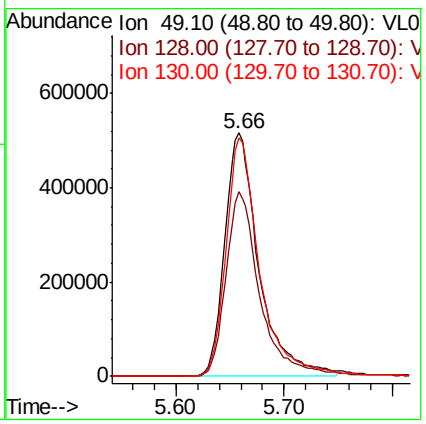


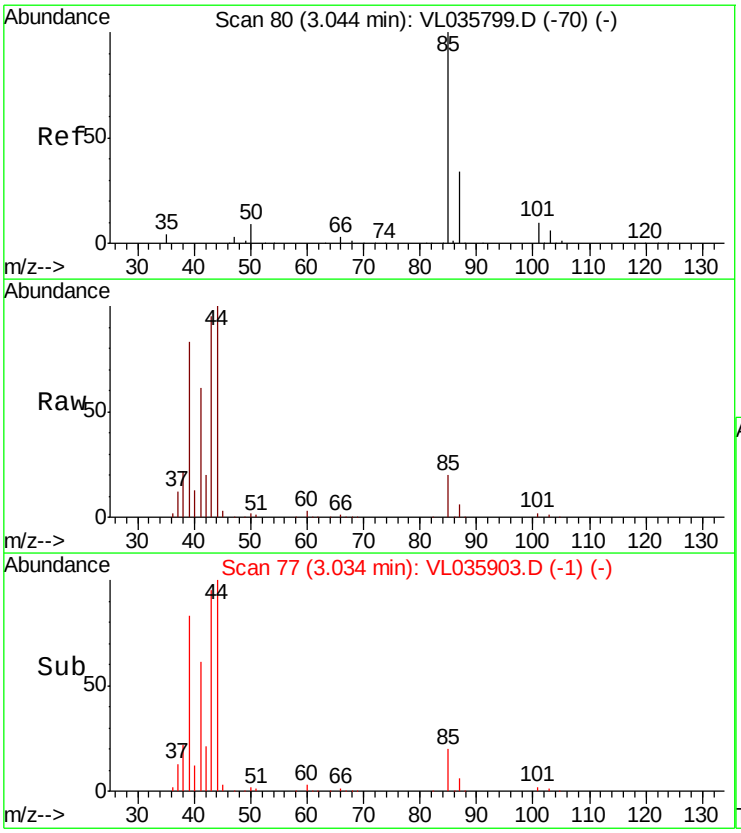
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 49 Resp: 1138705

Ion	Ratio	Lower	Upper
49	100		
128	76.1	41.5	124.6
130	97.8	53.7	161.1

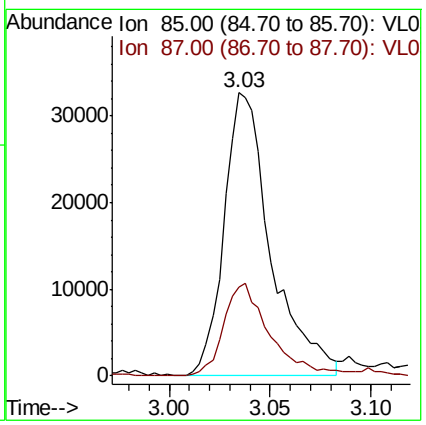


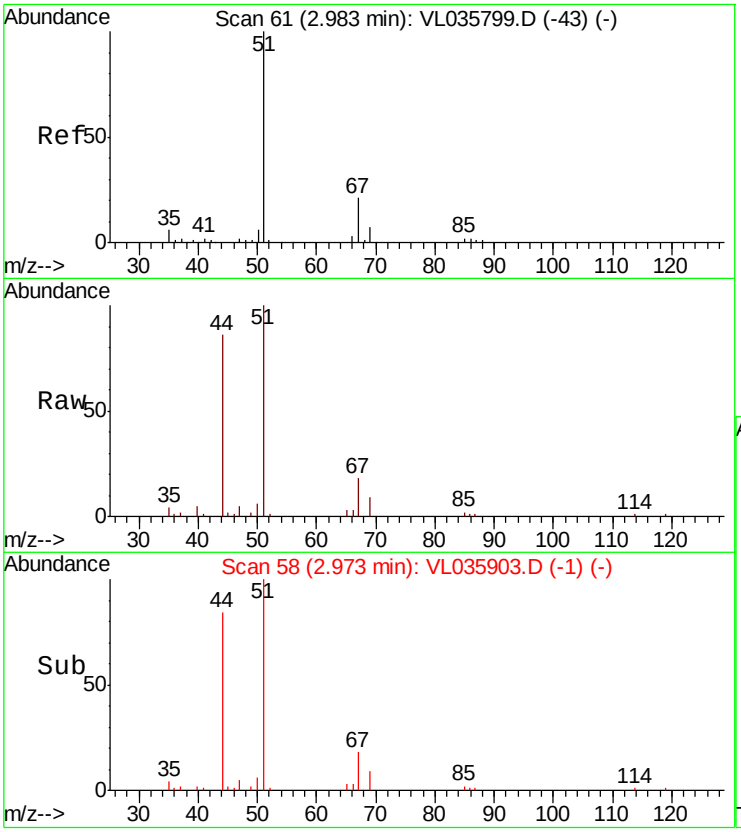


#2
Dichlorodifluoromethane
Concen: 0.248 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 85 Resp: 53201

Ion	Ratio	Lower	Upper
85	100		
87	31.4	27.1	40.7



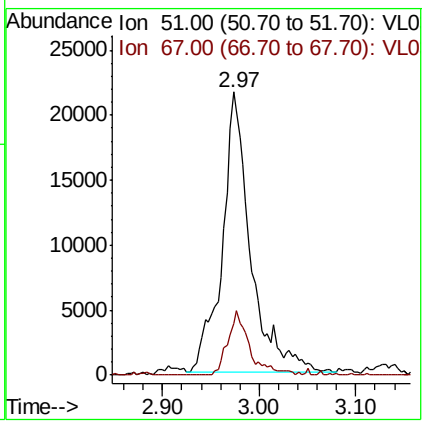


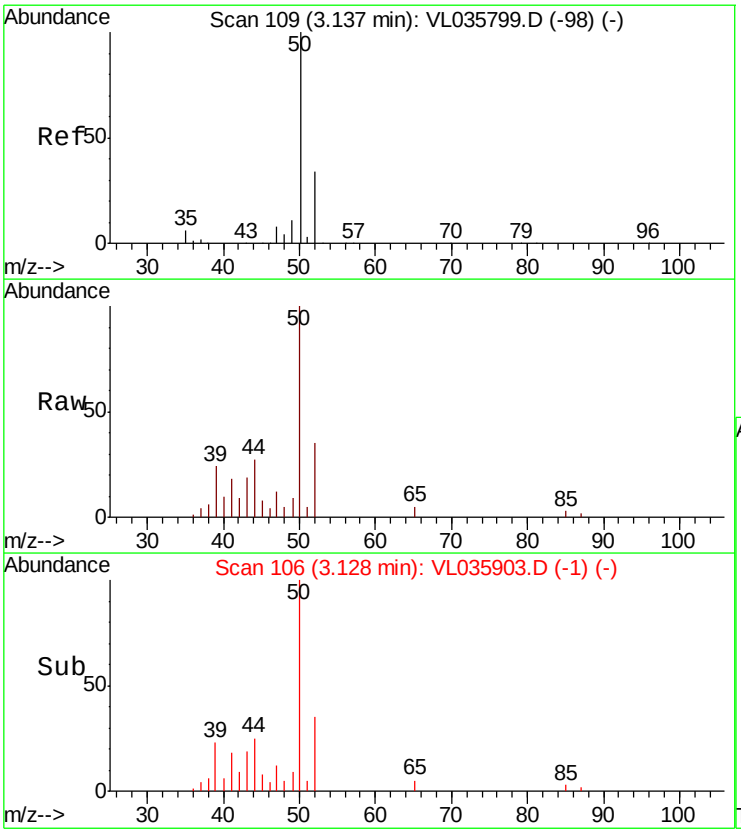
#3
Chlorodifluoromethane
Concen: 0.321 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 51 Resp: 43795

Ion	Ratio	Lower	Upper
51	100		
67	18.2	17.0	25.4

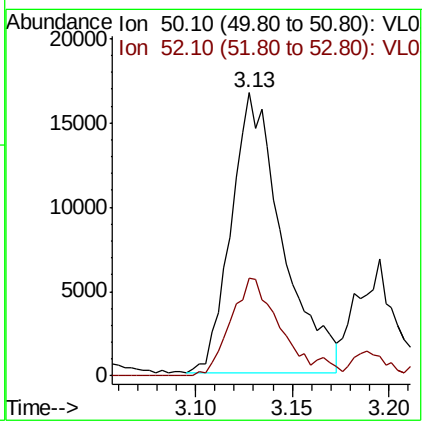


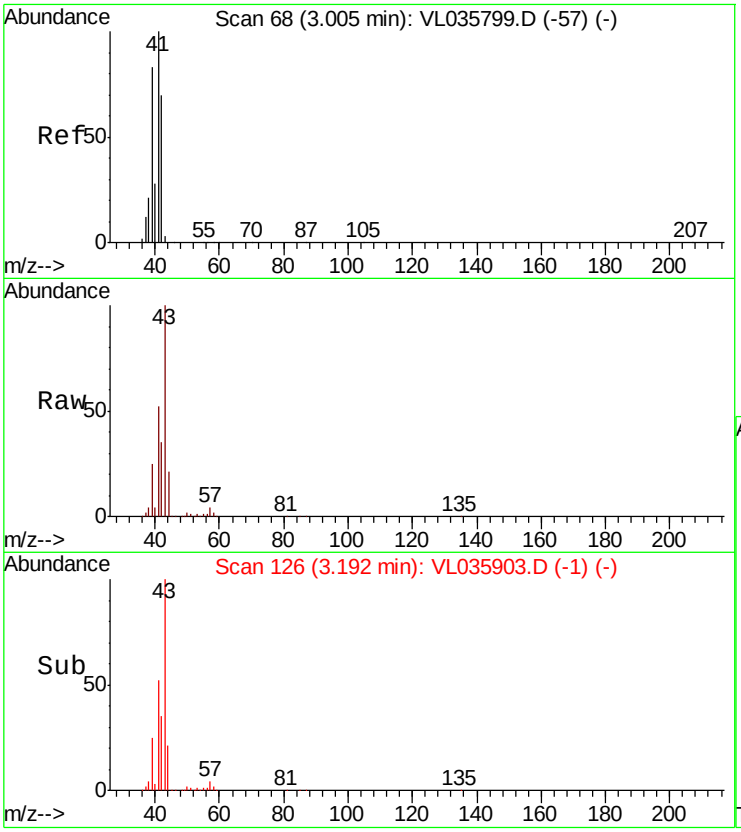


#4
Chloromethane
Concen: 0.461 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 50 Resp: 30528

Ion	Ratio	Lower	Upper
50	100		
52	34.9	27.1	40.7



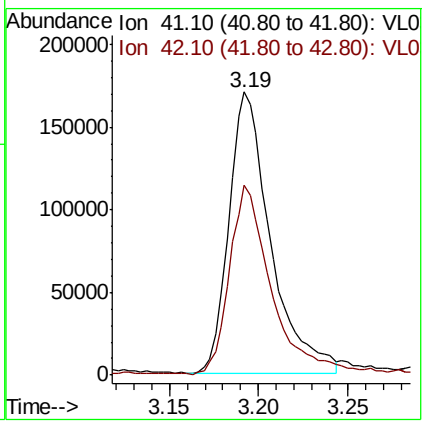


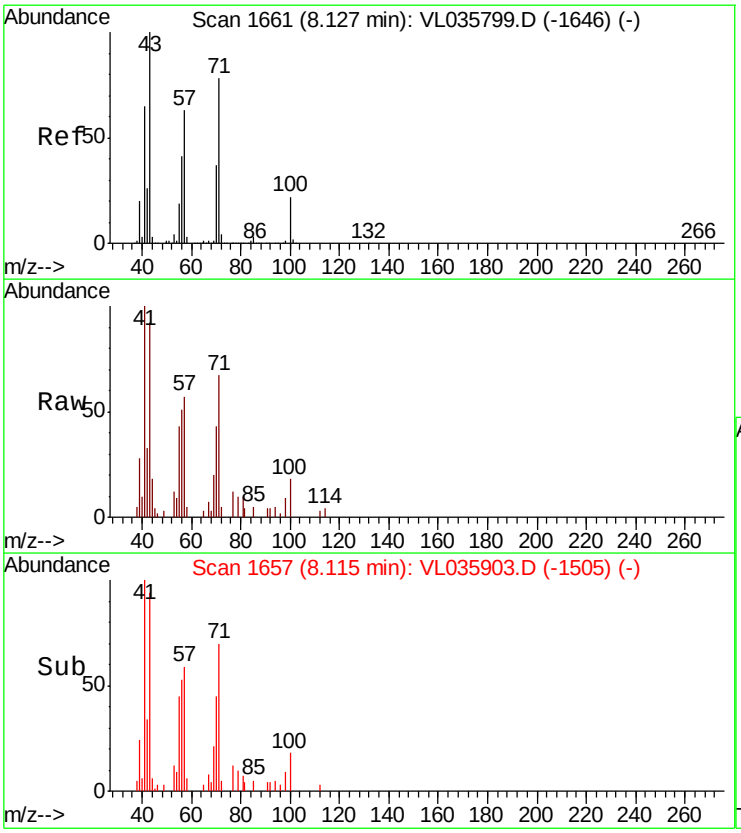
#9
Propene
Concen: 5.549 ppbv
RT: 3.19 min Scan# 126
Delta R.T. 0.19 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 41 Resp: 276971

Ion	Ratio	Lower	Upper
41	100		
42	67.9	56.2	84.4

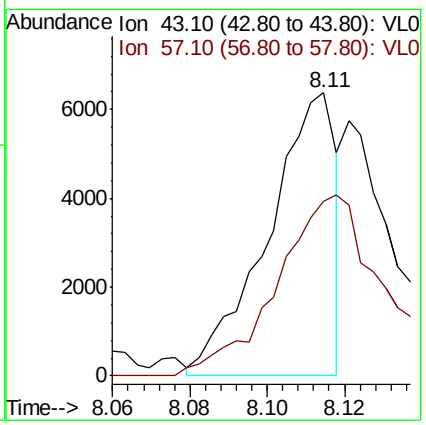


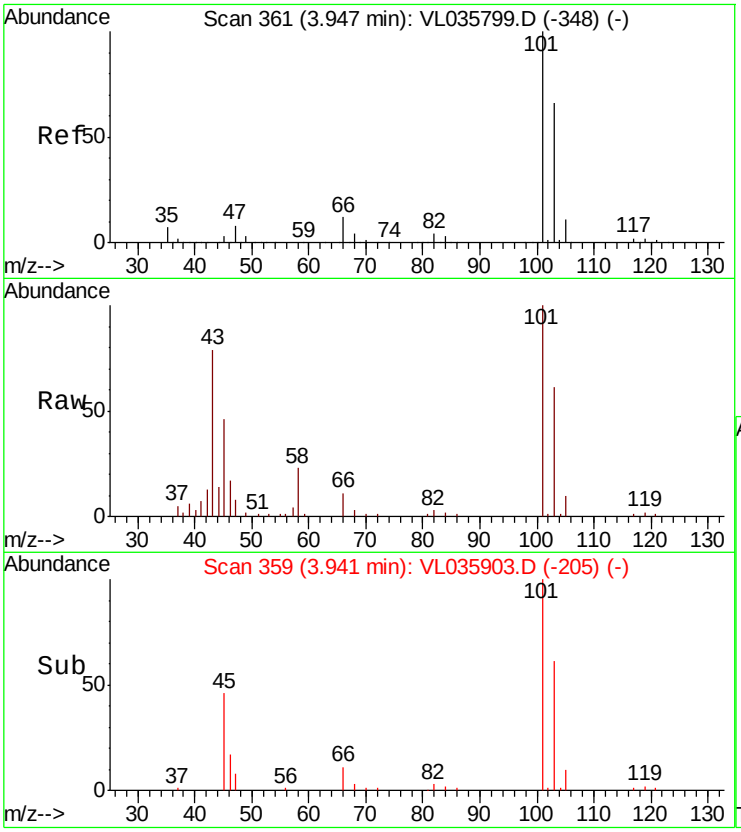


#10
Heptane
Concen: 0.056 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 43 Resp: 7785

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.0	75.0#



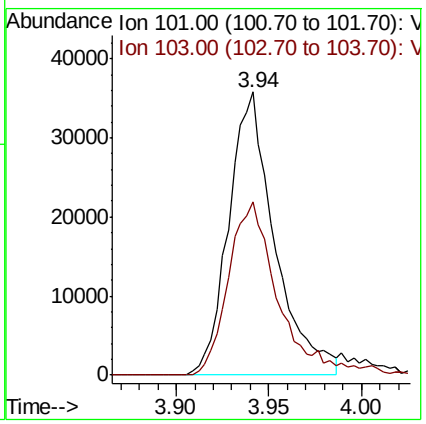


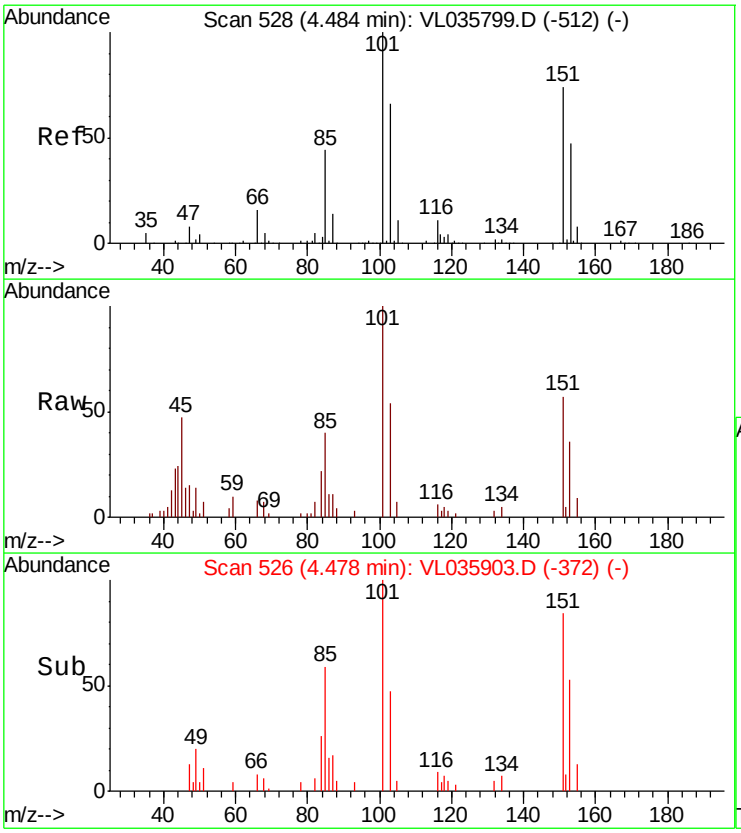
#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion:101 Resp: 61566

Ion	Ratio	Lower	Upper
101	100		
103	61.4	53.0	79.4

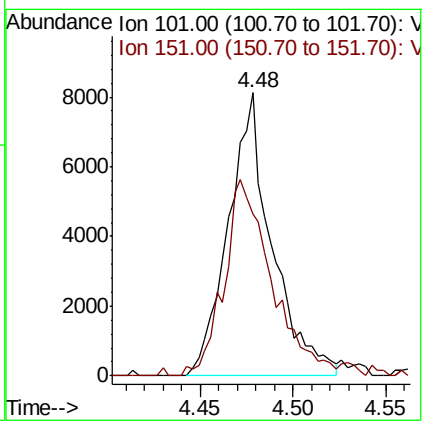


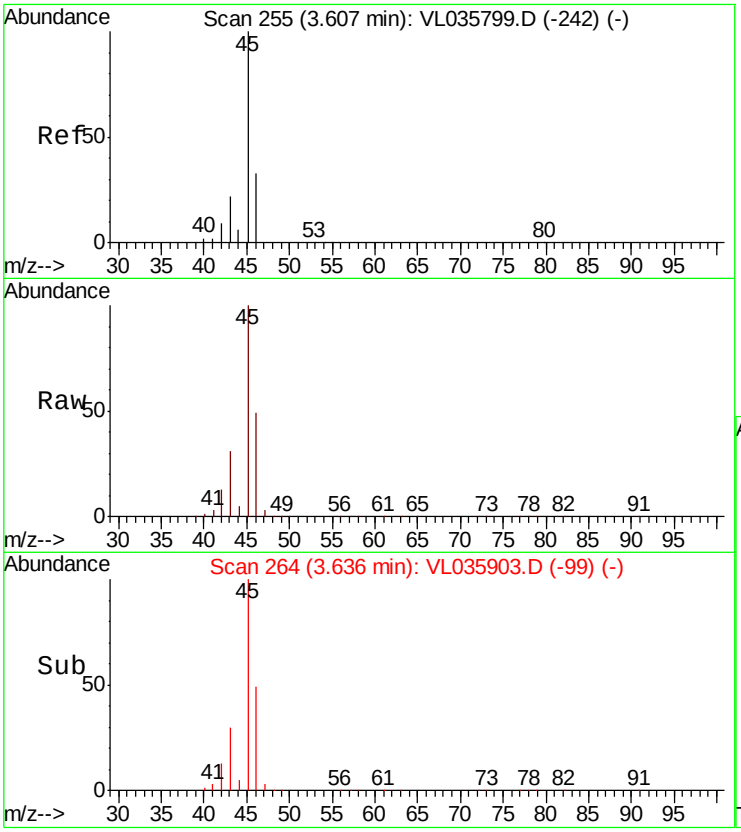


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion:101 Resp: 13289

Ion	Ratio	Lower	Upper
101	100		
151	79.0	58.9	88.3



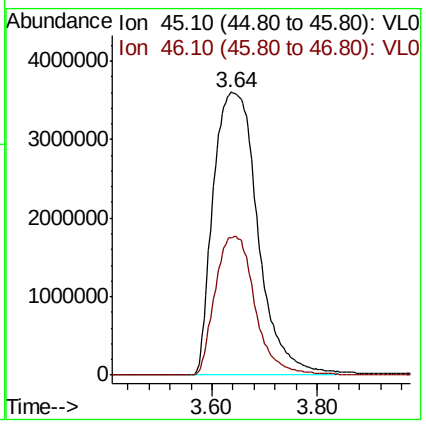


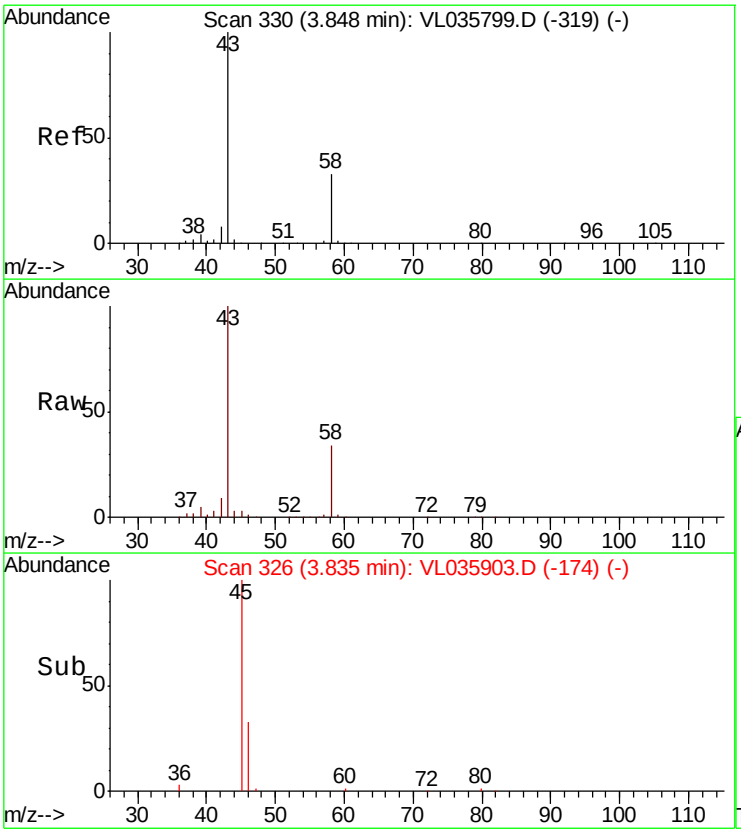
#13
Ethanol
Concen: 1951.585 ppbv
RT: 3.64 min Scan# 264
Delta R.T. 0.03 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Tgt Ion: 45 Resp:21131453

Ion	Ratio	Lower	Upper
45	100		
46	44.1	16.1	64.5

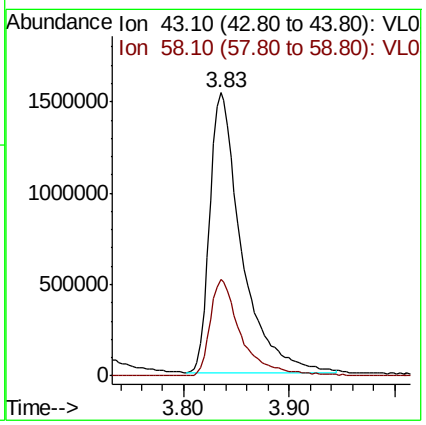


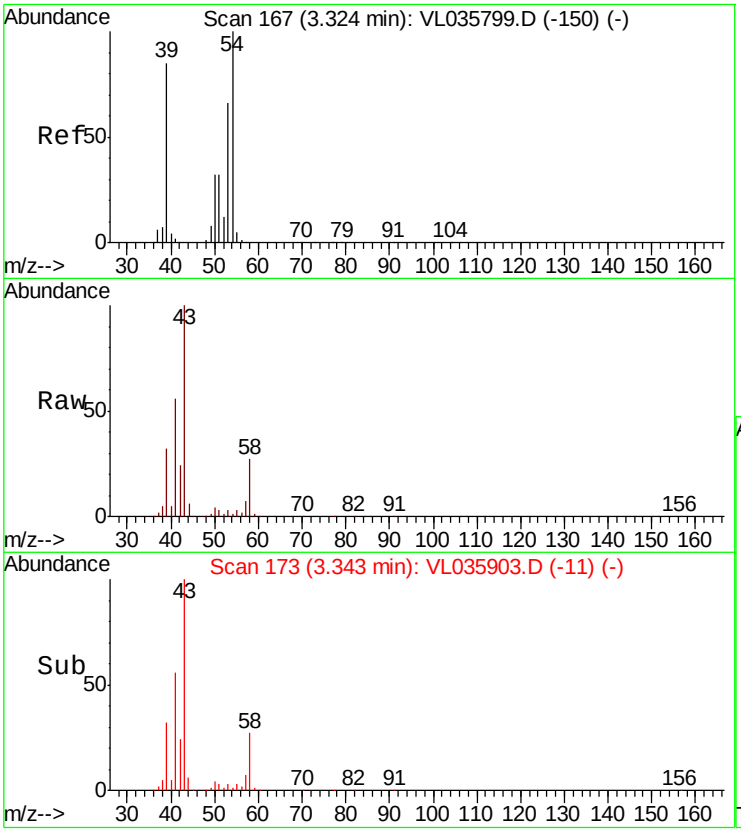


#15
Acetone
Concen: 26.460 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 43 Resp: 3221147

Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.5	41.3



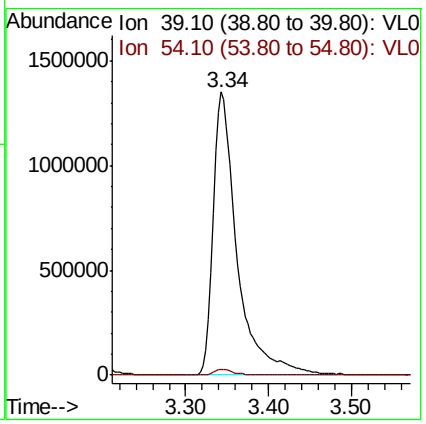


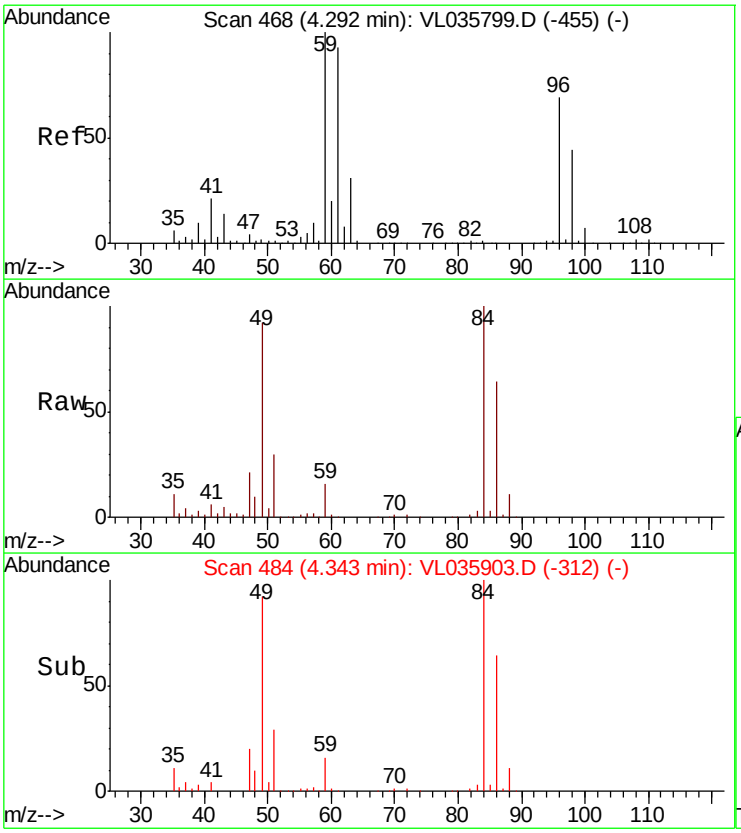
#16
1,3-Butadiene
Concen: 51.322 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.02 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 39 Resp: 2689920

Ion	Ratio	Lower	Upper
39	100		
54	2.0	87.1	130.7#

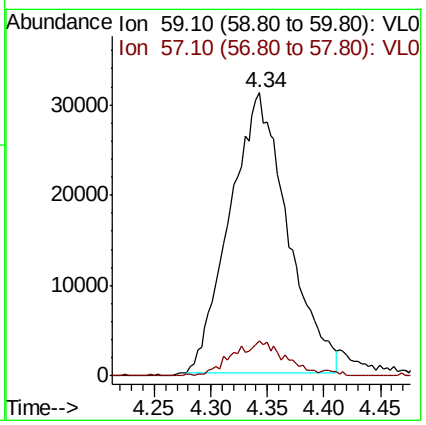


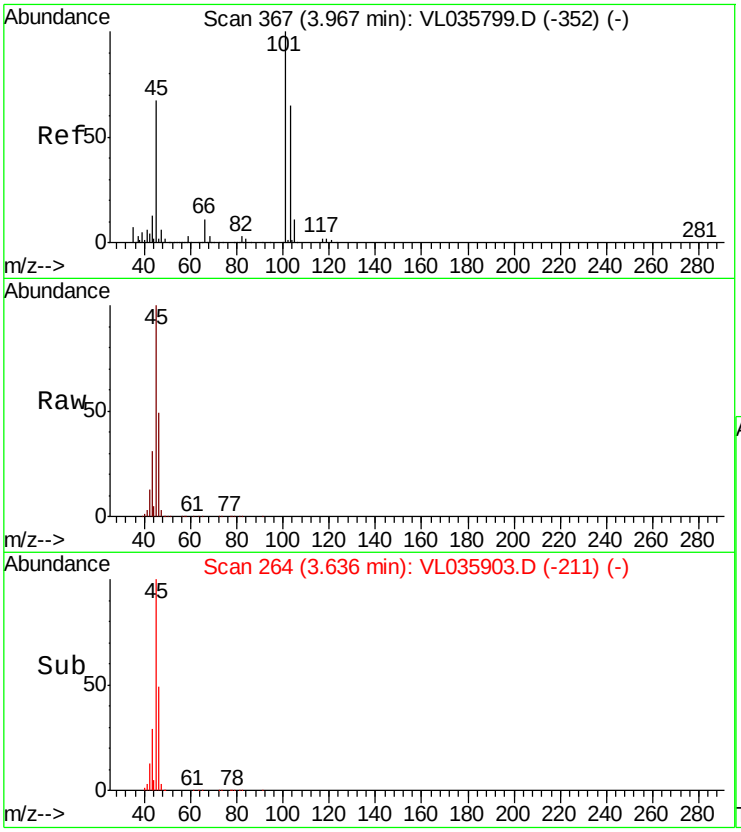


#17
tert-Butyl alcohol
Concen: 0.683 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.05 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 59 Resp: 110226

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.2	12.4



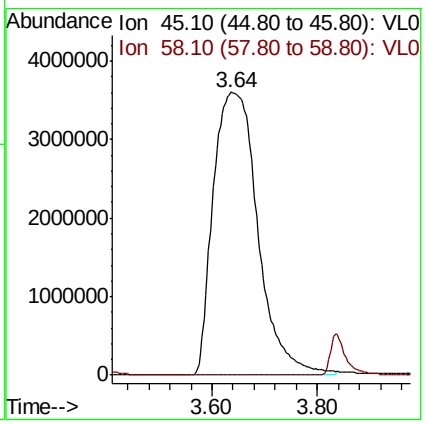


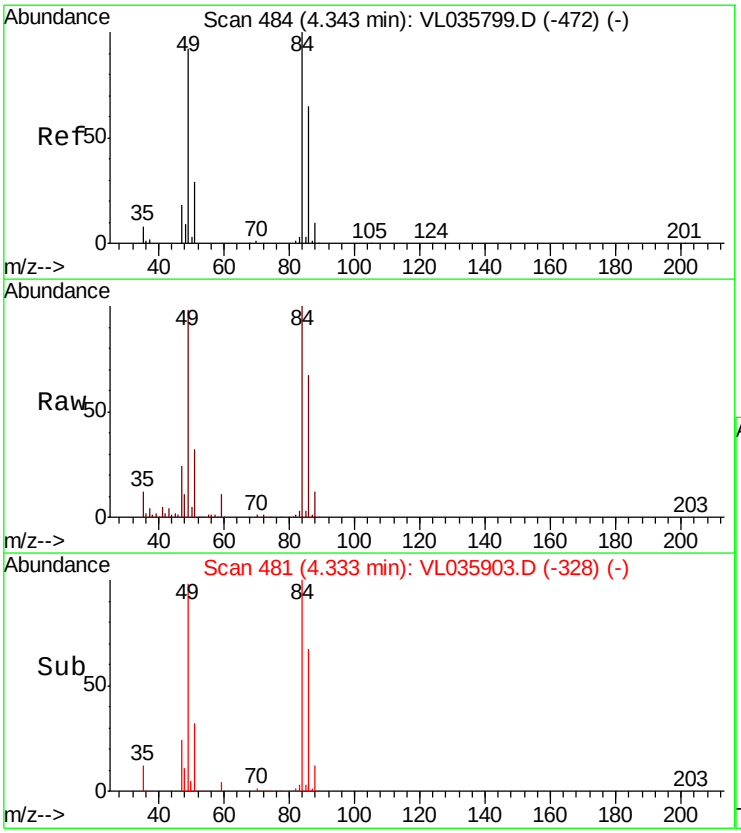
#19
Isopropyl Alcohol
Concen: 282.461 ppbv
RT: 3.64 min Scan# 264
Delta R.T. -0.33 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 45 Resp:21131453

Ion	Ratio	Lower	Upper
45	100		
58	5.2	2.6	3.8#

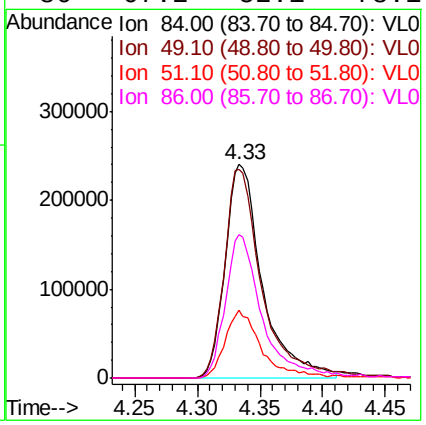


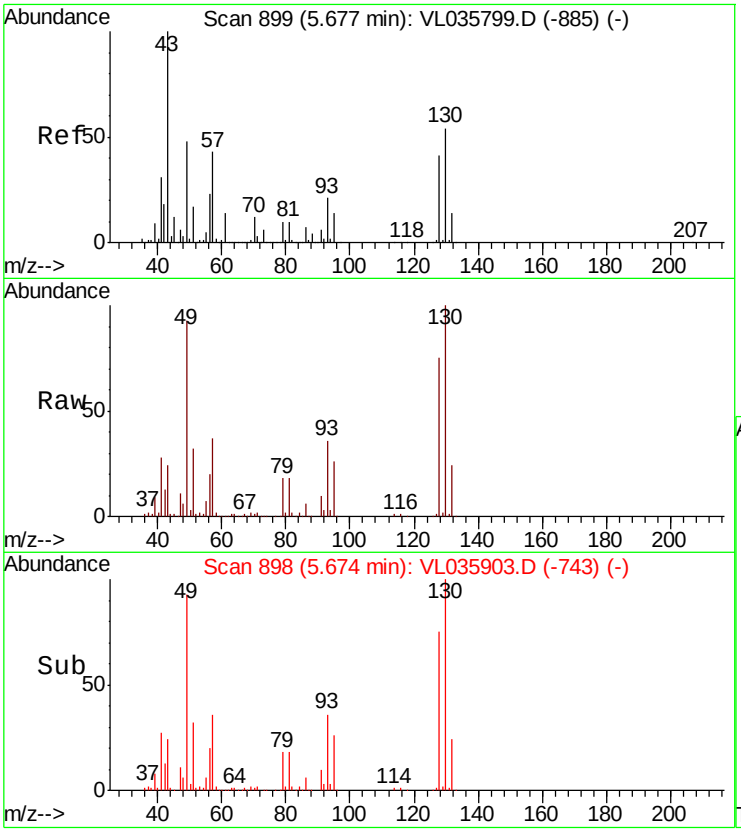


#20
Methylene Chloride
Concen: 5.779 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 84 Resp: 495232

Ion	Ratio	Lower	Upper
84	100		
49	97.7	73.8	110.8
51	31.6	23.0	34.4
86	67.2	52.1	78.1



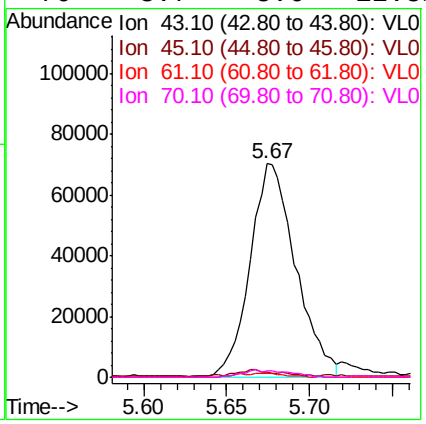


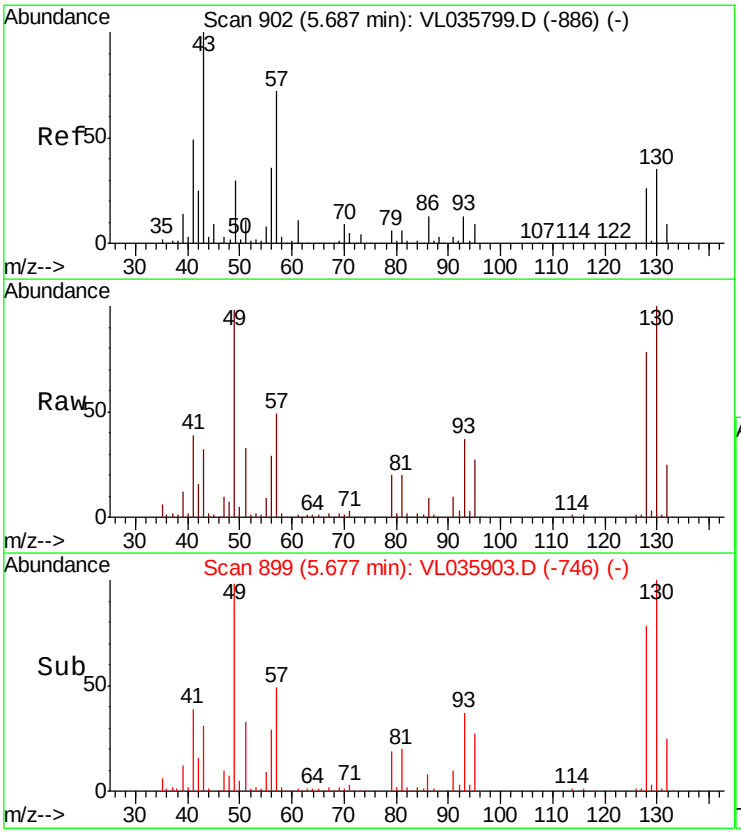
#25
Ethyl Acetate
Concen: 0.559 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Tgt Ion: 43 Resp: 133993

Ion	Ratio	Lower	Upper
43	100		
45	3.5	8.5	12.7#
61	2.0	10.7	16.1#
70	3.7	8.6	12.8#

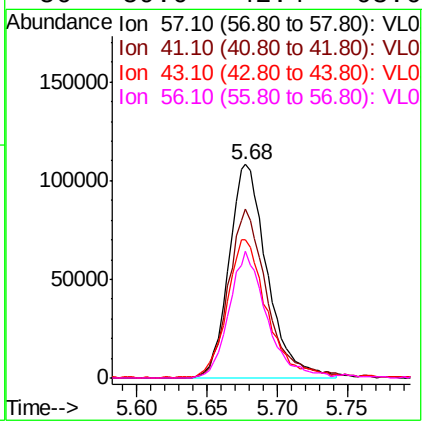


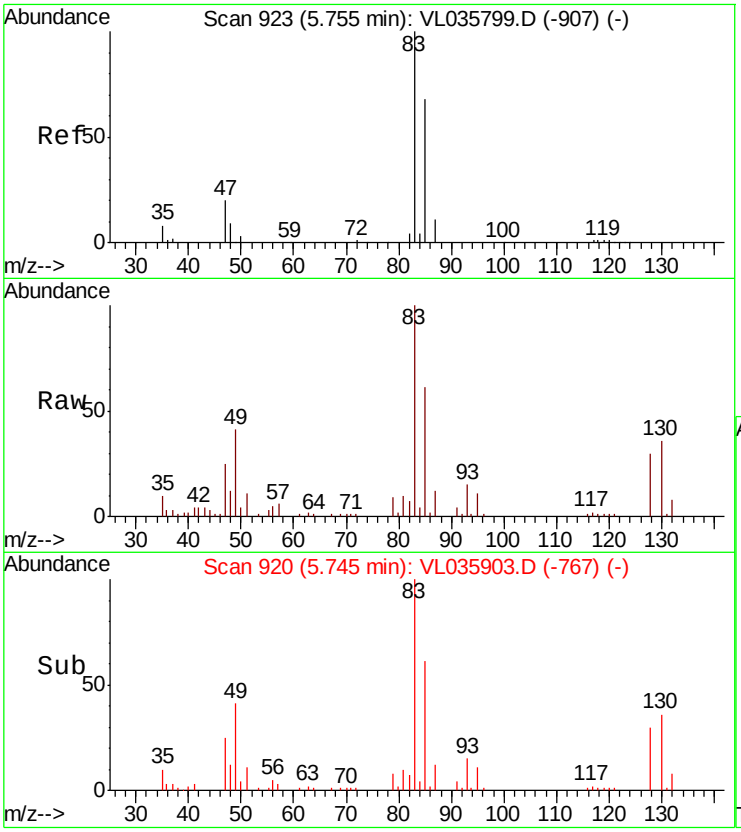


#26
Hexane
Concen: 1.556 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 57 Resp: 205755

Ion	Ratio	Lower	Upper
57	100		
41	81.2	58.9	88.3
43	68.4	150.2	225.2#
56	59.0	42.4	63.6



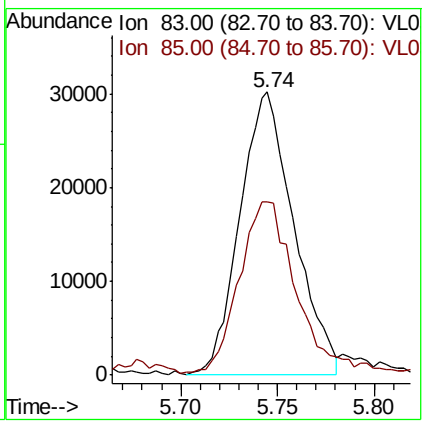


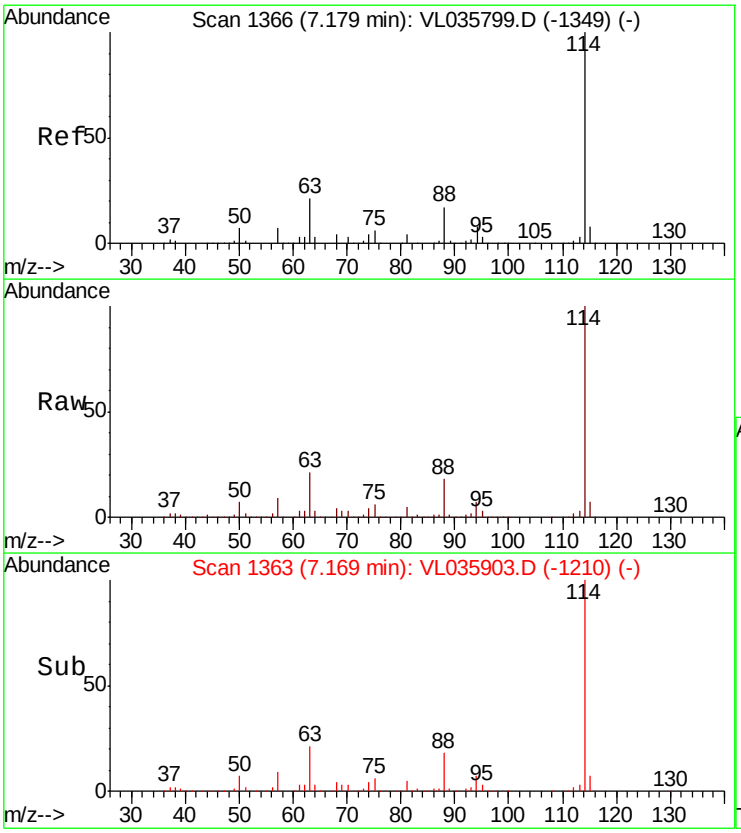
#29
Chloroform
Concen: 0.226 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 83 Resp: 58831

Ion	Ratio	Lower	Upper
83	100		
85	60.2	54.6	81.8

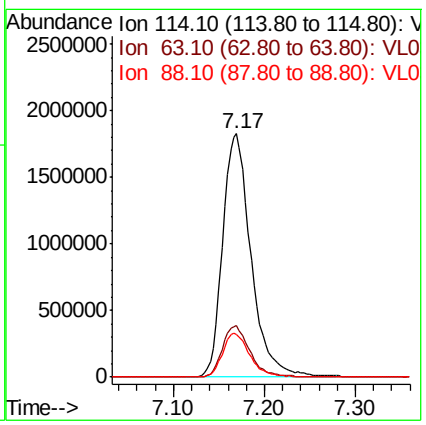


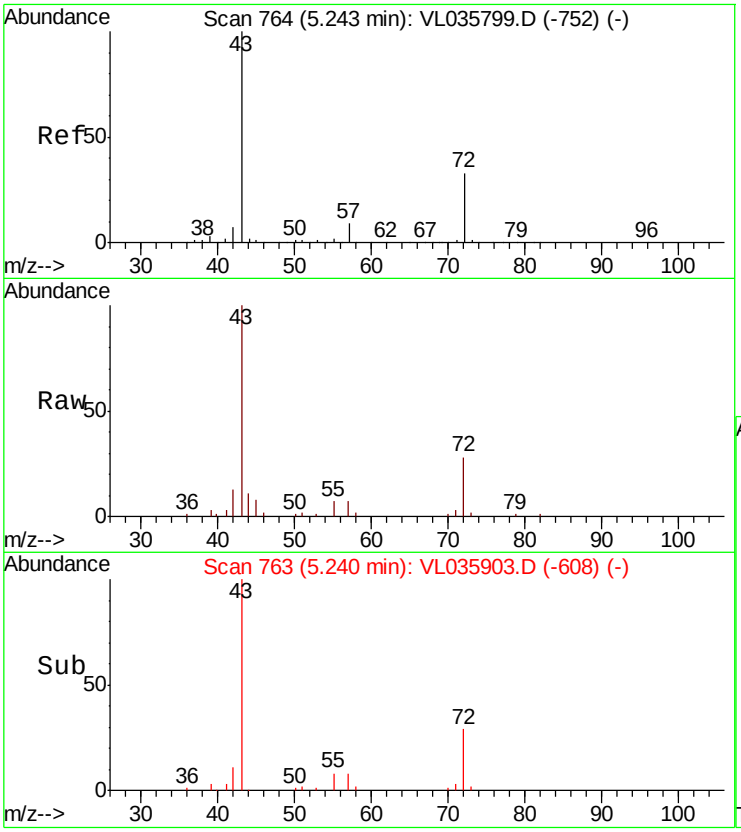


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion:114 Resp: 3956417

Ion	Ratio	Lower	Upper
114	100		
63	20.7	16.1	24.1
88	17.5	13.7	20.5



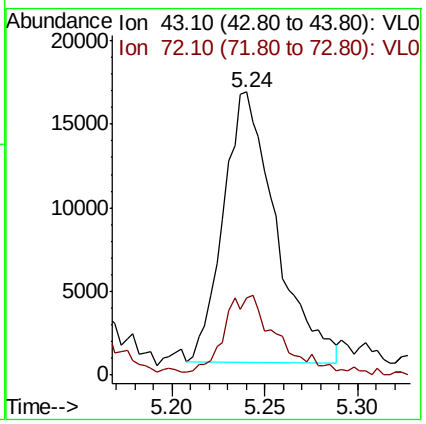


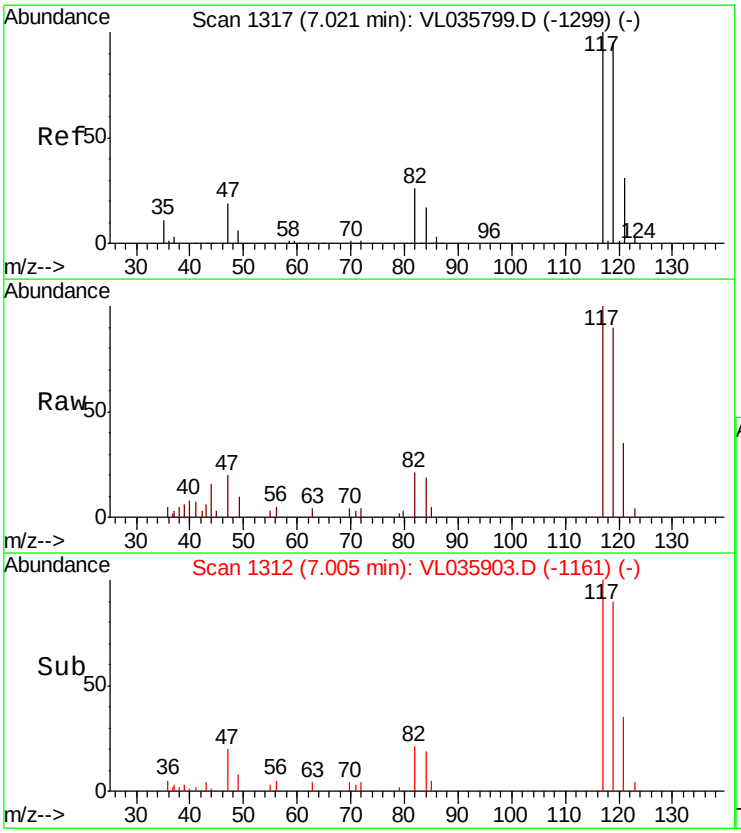
#34
2-Butanone
Concen: 0.247 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.00 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 43 Resp: 31710

Ion	Ratio	Lower	Upper
43	100		
72	32.3	26.5	39.7

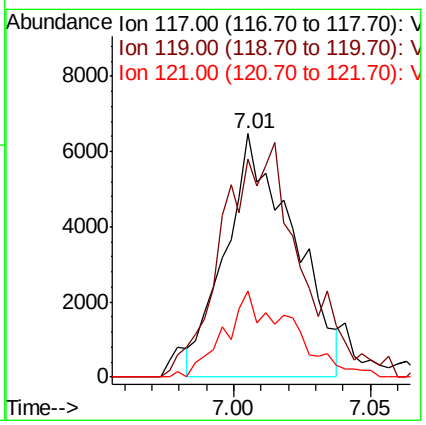


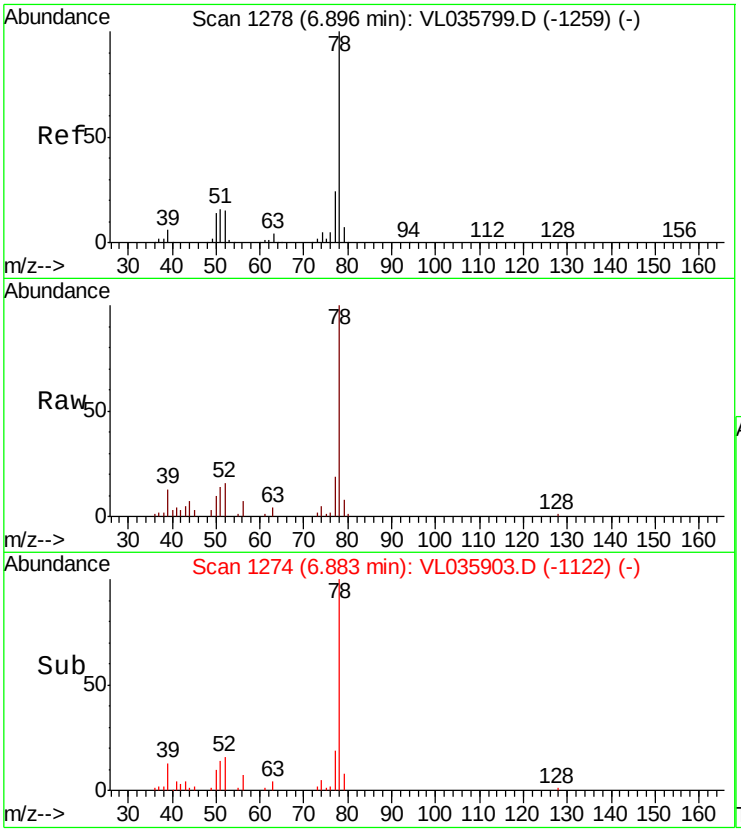


#35
Carbon Tetrachloride
Concen: 0.053 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion:117 Resp: 11180

Ion	Ratio	Lower	Upper
117	100		
119	87.6	75.6	113.4
121	39.9	25.1	37.7#



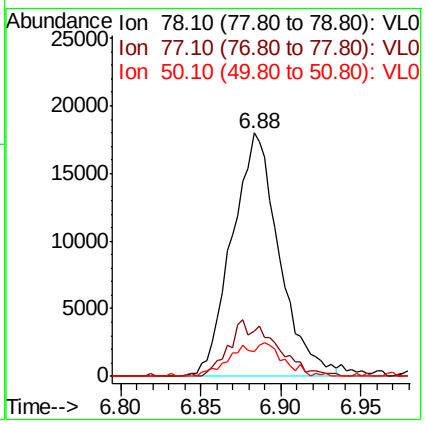


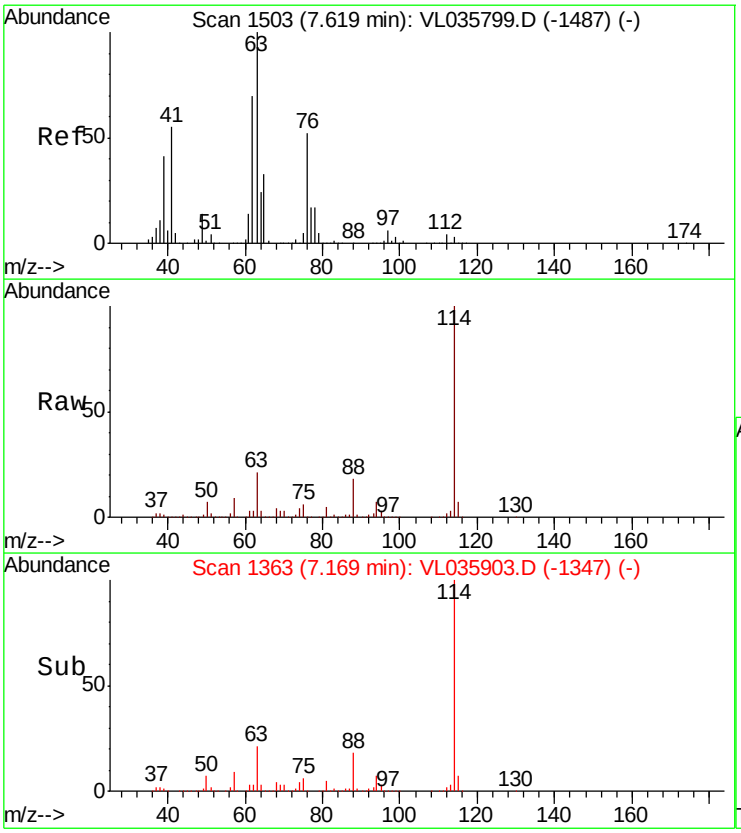
#36
Benzene
Concen: 0.123 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 78 Resp: 36248

Ion	Ratio	Lower	Upper
78	100		
77	17.7	19.3	28.9#
50	10.2	11.4	17.2#

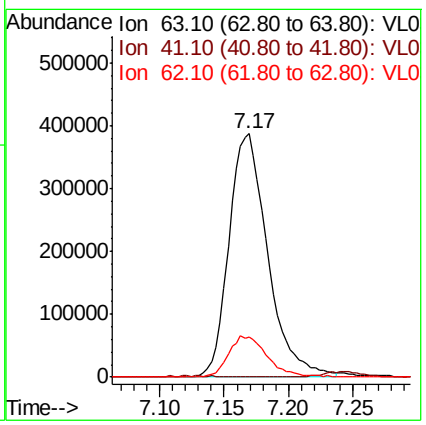


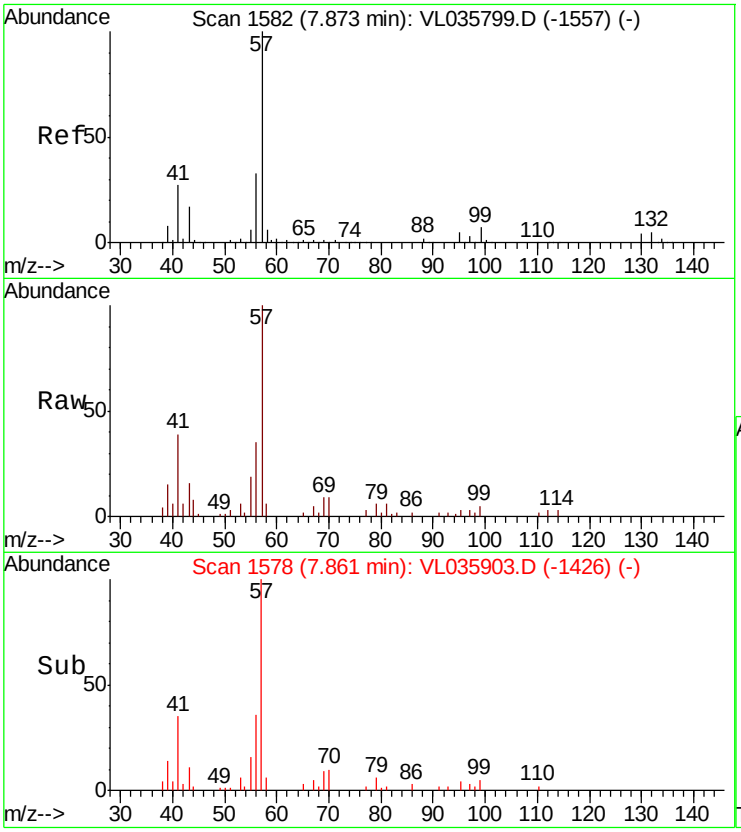


#39
1,2-Dichloropropane
Concen: 8.163 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 63 Resp: 808342

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.4	56.2	84.2#



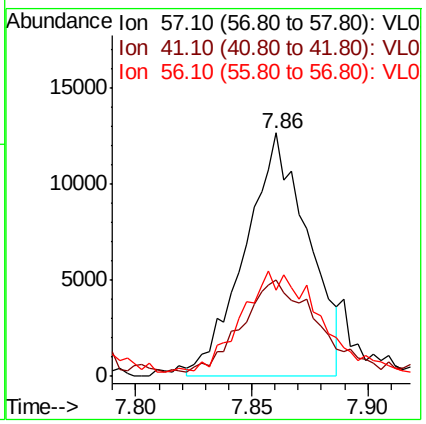


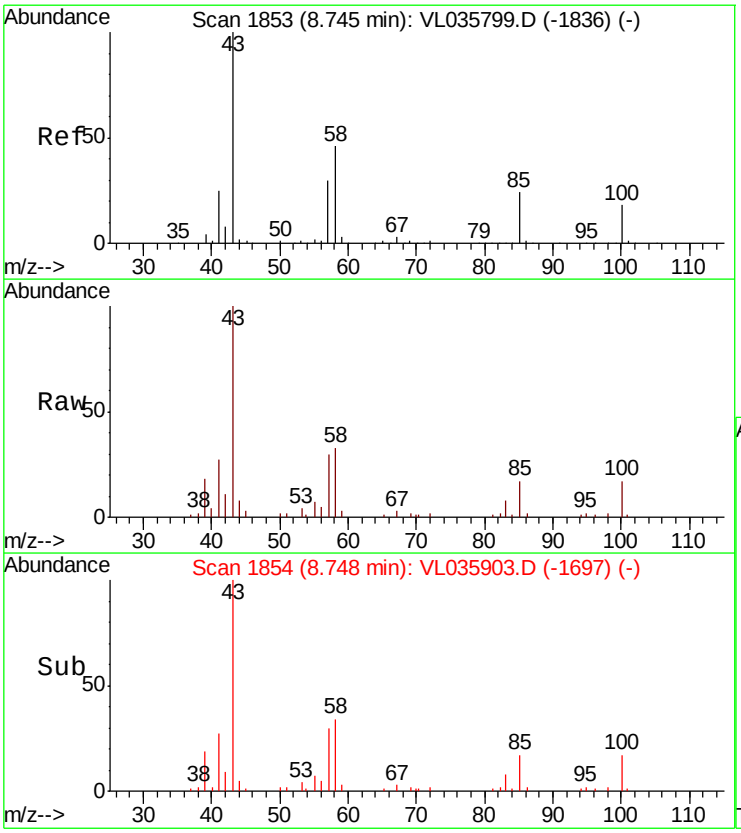
#44
2,2,4-Trimethylpentane
Concen: 0.061 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Tgt Ion: 57 Resp: 23846

Ion	Ratio	Lower	Upper
57	100		
41	51.7	21.0	31.4#
56	57.2	25.4	38.0#

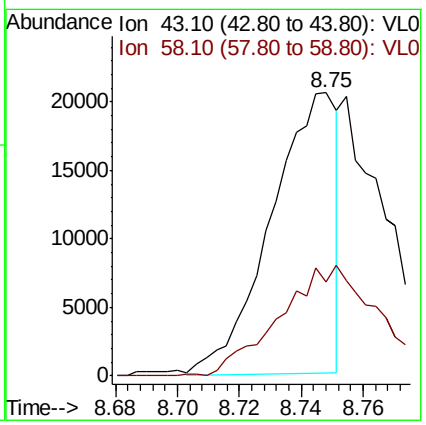


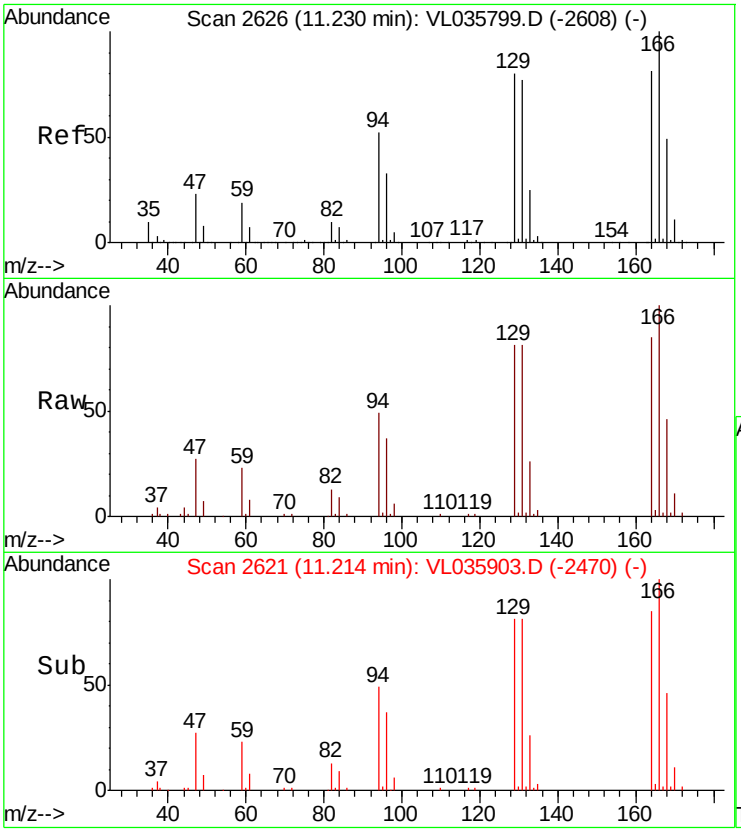


#50
4-Methyl-2-Pentanone
Concen: 0.154 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 43 Resp: 30224

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.0	54.0#



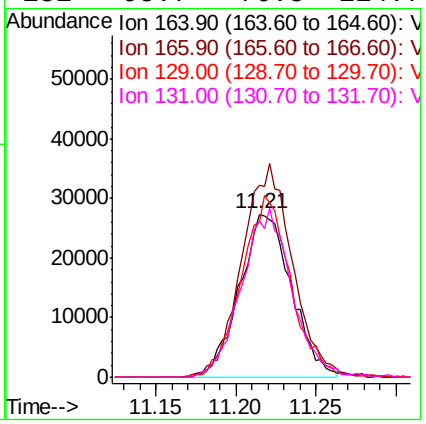


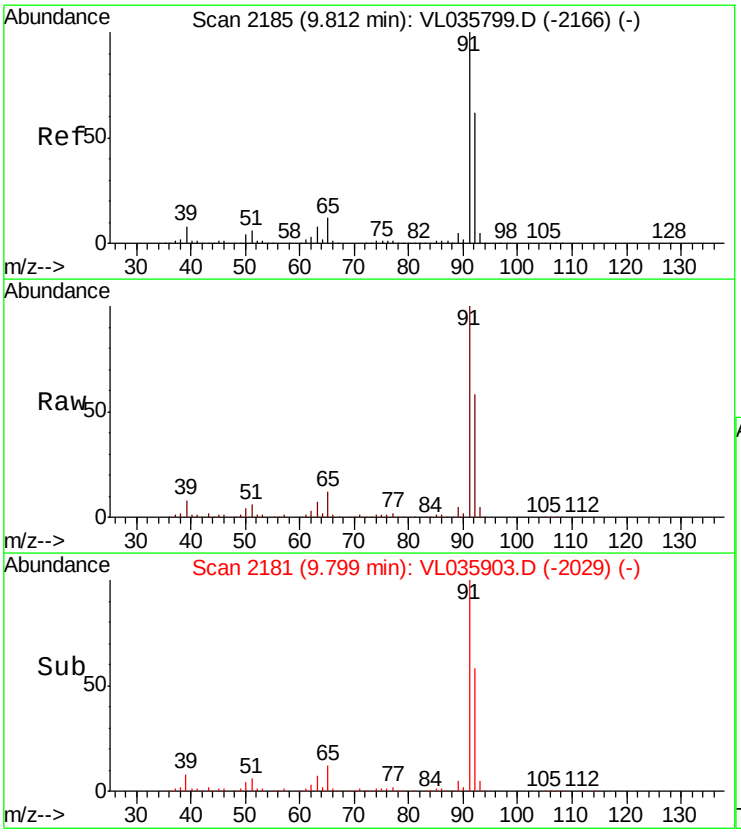
#52
Tetrachloroethene
Concen: 0.438 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Tgt Ion:164 Resp: 61045

Ion	Ratio	Lower	Upper
164	100		
166	117.5	99.3	148.9
129	95.4	79.3	118.9
131	95.7	76.5	114.7

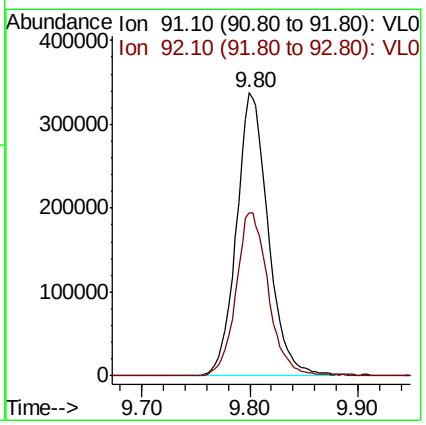


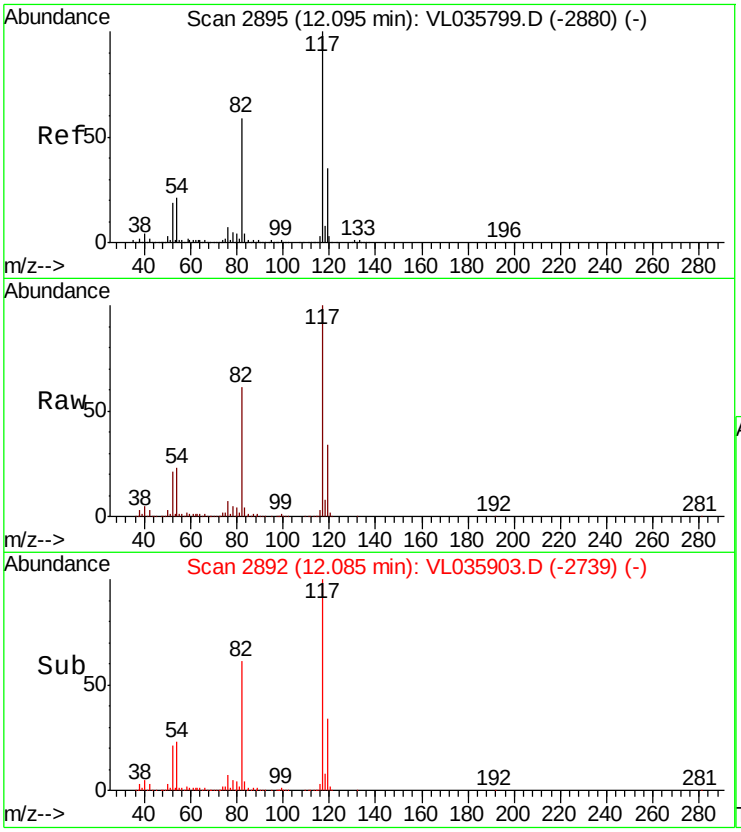


#53
Toluene
Concen: 1.949 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 91 Resp: 691563

Ion	Ratio	Lower	Upper
91	100		
92	59.1	49.8	74.6



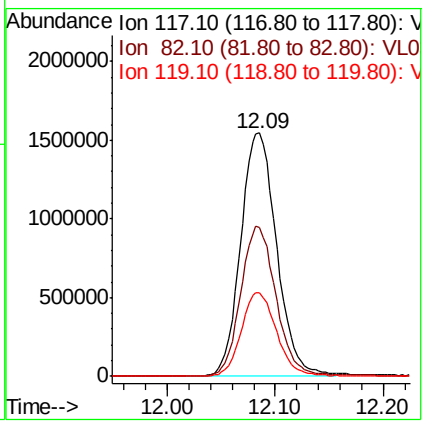


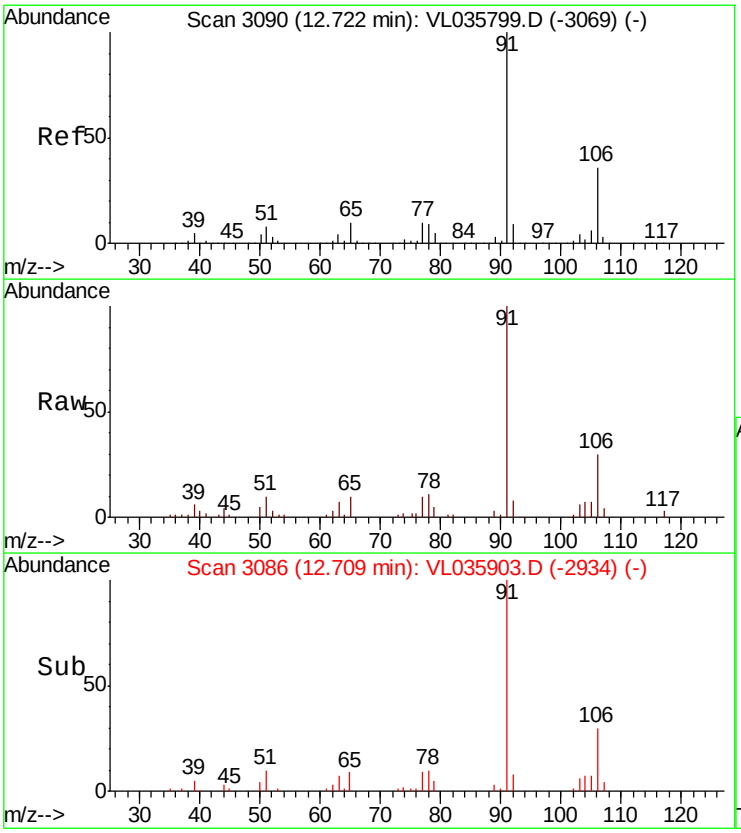
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Tgt Ion:117 Resp: 3589977

Ion	Ratio	Lower	Upper
117	100		
82	61.6	50.6	76.0
119	34.1	52.6	78.8#

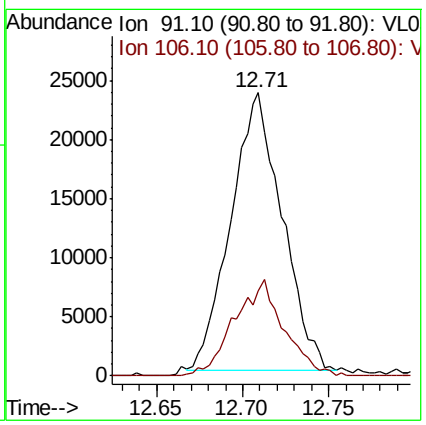


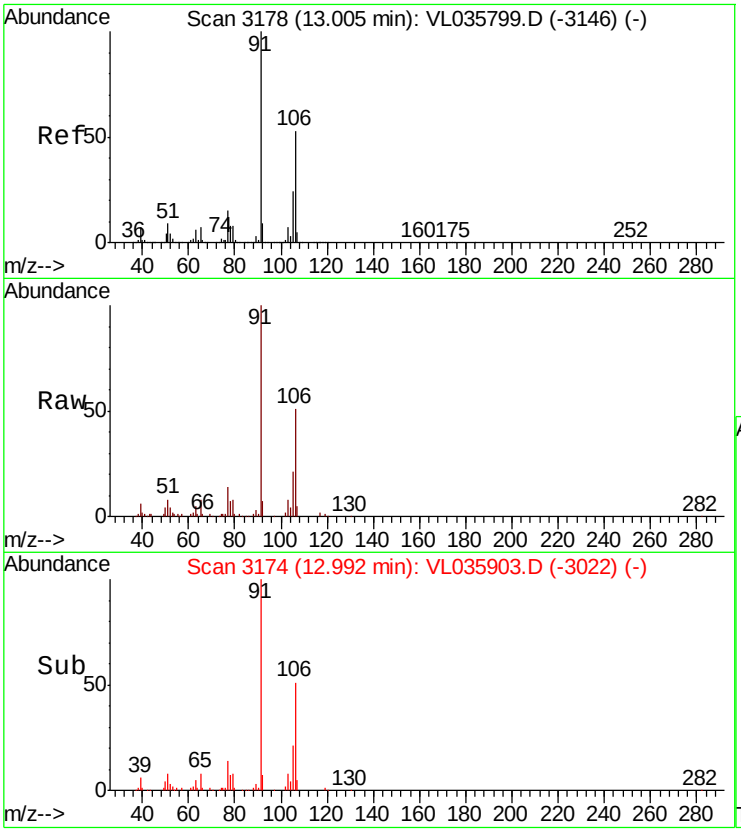


#58
Ethyl Benzene
Concen: 0.111 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 91 Resp: 48381

Ion	Ratio	Lower	Upper
91	100		
106	30.5	28.6	43.0



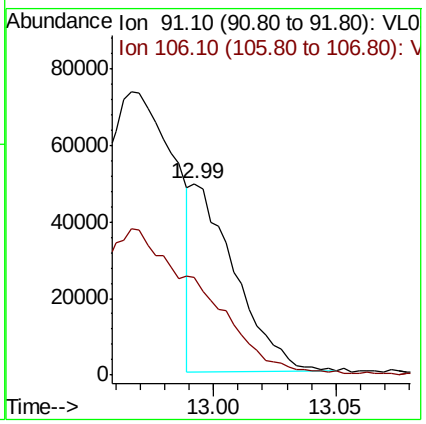


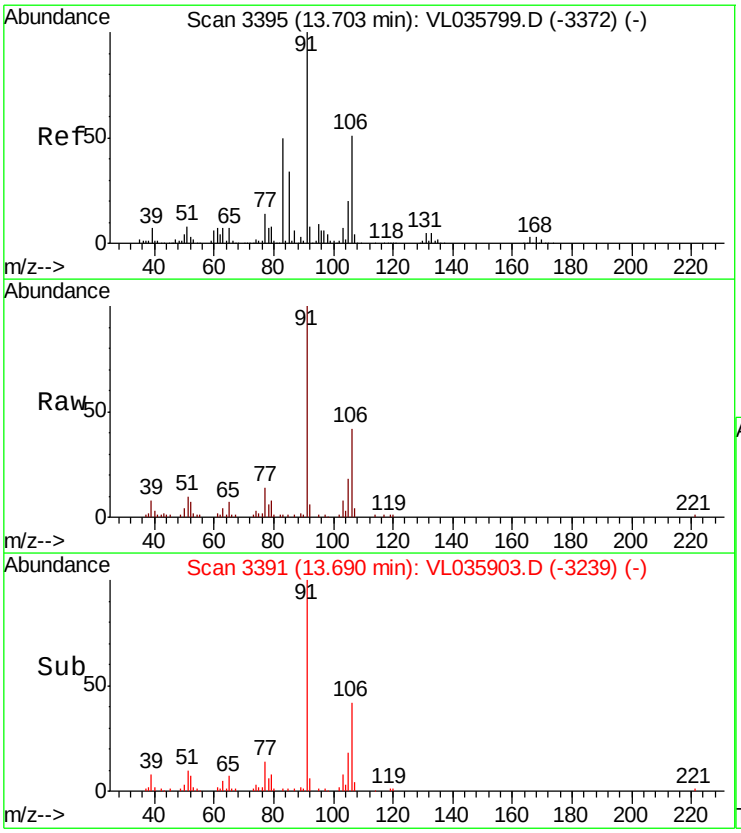
#59
m/p-Xylene
Concen: 0.165 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument : MSVOA_L
ClientSampleId : SSSG-2DUP

Tgt Ion: 91 Resp: 60919

Ion	Ratio	Lower	Upper
91	100		
106	0.0	39.5	59.3#

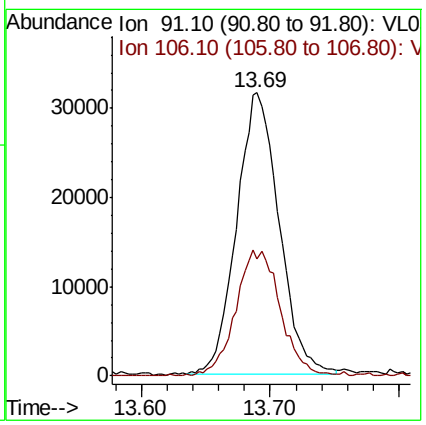


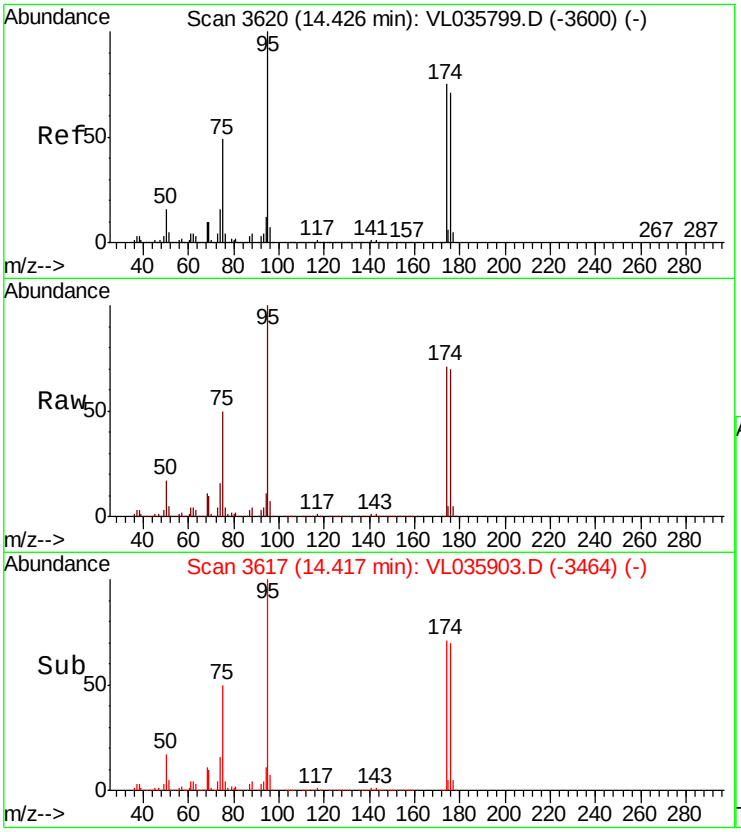


#60
o-Xylene
Concen: 0.201 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion: 91 Resp: 72326

Ion	Ratio	Lower	Upper
91	100		
106	47.1	24.8	74.4



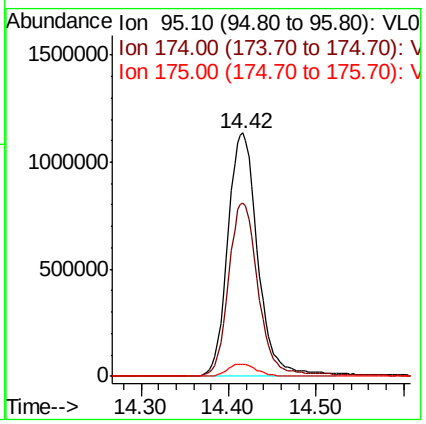


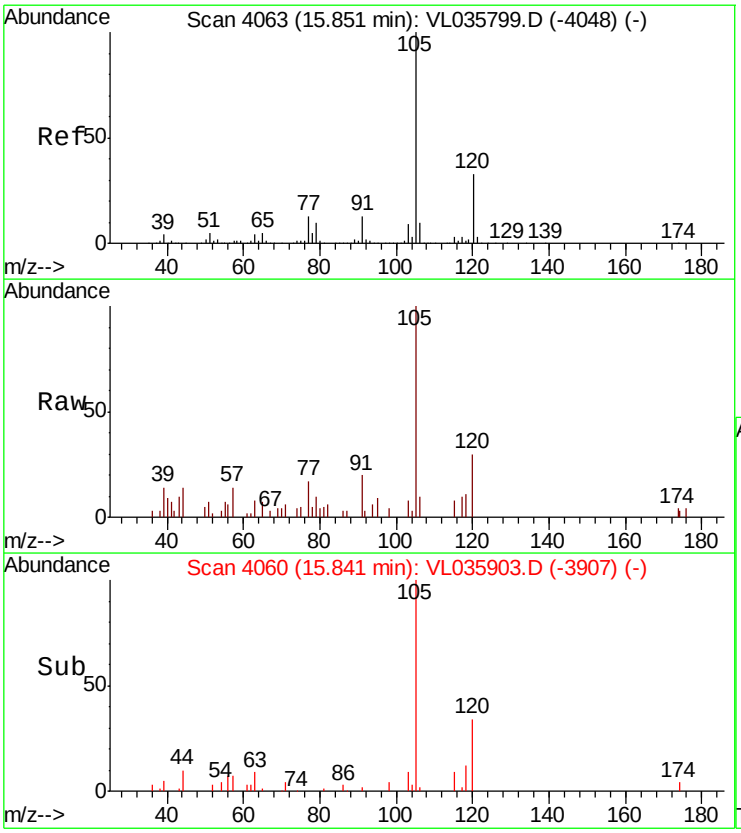
#68
1-Bromo-4-Fluorobenzene
Concen: 10.585 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion: 95 Resp: 2699878

Ion	Ratio	Lower	Upper
95	100		
174	72.1	59.8	89.6
175	5.1	4.3	6.5

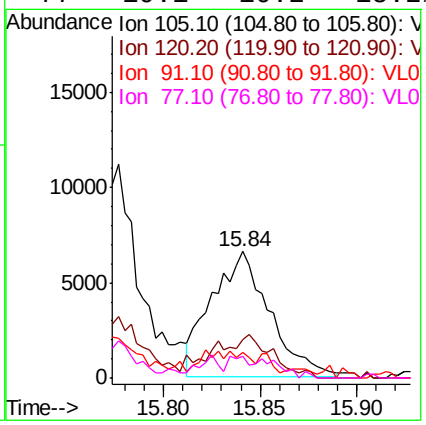


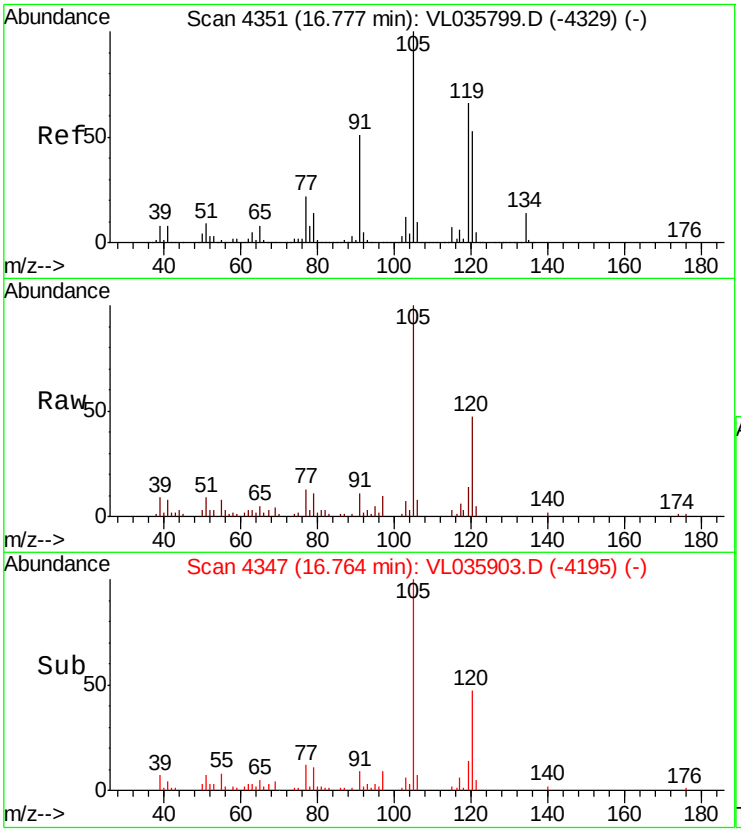


#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Tgt Ion:105 Resp: 13744

Ion	Ratio	Lower	Upper
105	100		
120	36.8	25.9	38.9
91	26.3	9.9	14.9#
77	19.1	10.2	15.2#





#74
1,2,4-Trimethylbenzene
Concen: 0.104 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL035903.D
Acq: 11 Nov 2020 00:34

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2DUP

Tgt Ion:105 Resp: 44368

Ion	Ratio	Lower	Upper
105	100		
120	47.5	42.0	63.0
91	10.4	41.0	61.6#
77	11.8	17.3	25.9#