Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111020\
Data File : VL035902.D
Acq On : 10 Nov 2020 23:53
Operator : SY/AP
Sample : L4618-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Quant Time: Nov 11 01:24:49 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	1130807	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3921966	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3636586	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2711483	10.49	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	54610	0.257	ppbv		98
3) Chlorodifluoromethane	2.98	51	43675	0.323	ppbv	#	91
4) Chloromethane	3.13	50	29544	0.449	ppbv		96
9) Propene	3.19	41	282700	5.704	ppbv		94
10) Heptane	8.11	43	11900	0.087	ppbv		94
11) Trichlorofluoromethane	3.94	101	58871	0.220	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	13107	0.066	ppbv		100
13) Ethanol	3.64	45	20518438	1908.205	ppbv		94
15) Acetone	3.83	43	3045184	25.189	ppbv		99
16) 1,3-Butadiene	3.34	39	2472578	47.505	ppbv	#	1
17) tert-Butyl alcohol	4.34	59	58523	0.365	ppbv	#	72
19) Isopropyl Alcohol	3.64	45	20518438	276.183	ppbv	#	94
20) Methylene Chloride	4.33	84	475959	5.593	ppbv		99
25) Ethyl Acetate	5.68	43	127058	0.533	ppbv	#	77
26) Hexane	5.67	57	186694	1.421	ppbv	#	48
29) Chloroform	5.74	83	56808	0.220	ppbv		94
34) 2-Butanone	5.24	43	27332	0.215	ppbv		97
35) Carbon Tetrachloride	7.01	117	11298	0.054	ppbv		85
36) Benzene	6.88	78	30552	0.105	ppbv		93
39) 1,2-Dichloropropane	7.17	63	804501	8.195	ppbv	#	30
44) 2,2,4-Trimethylpentane	7.86	57	12345	0.032	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.75	43	46800	0.240	ppbv		92
52) Tetrachloroethene	11.22	164	58471	0.423	ppbv		96
53) Toluene	9.80	91	649795	1.847	ppbv		97
58) Ethyl Benzene	12.71	91	48872	0.110	ppbv		92
59) m/p-Xylene	12.97	91	222666	0.594	ppbv		98
60) o-Xylene	13.69	91	36352	0.100	ppbv	#	42
74) 1,2,4-Trimethylbenzene	16.76	105	40651	0.094	ppbv	#	66

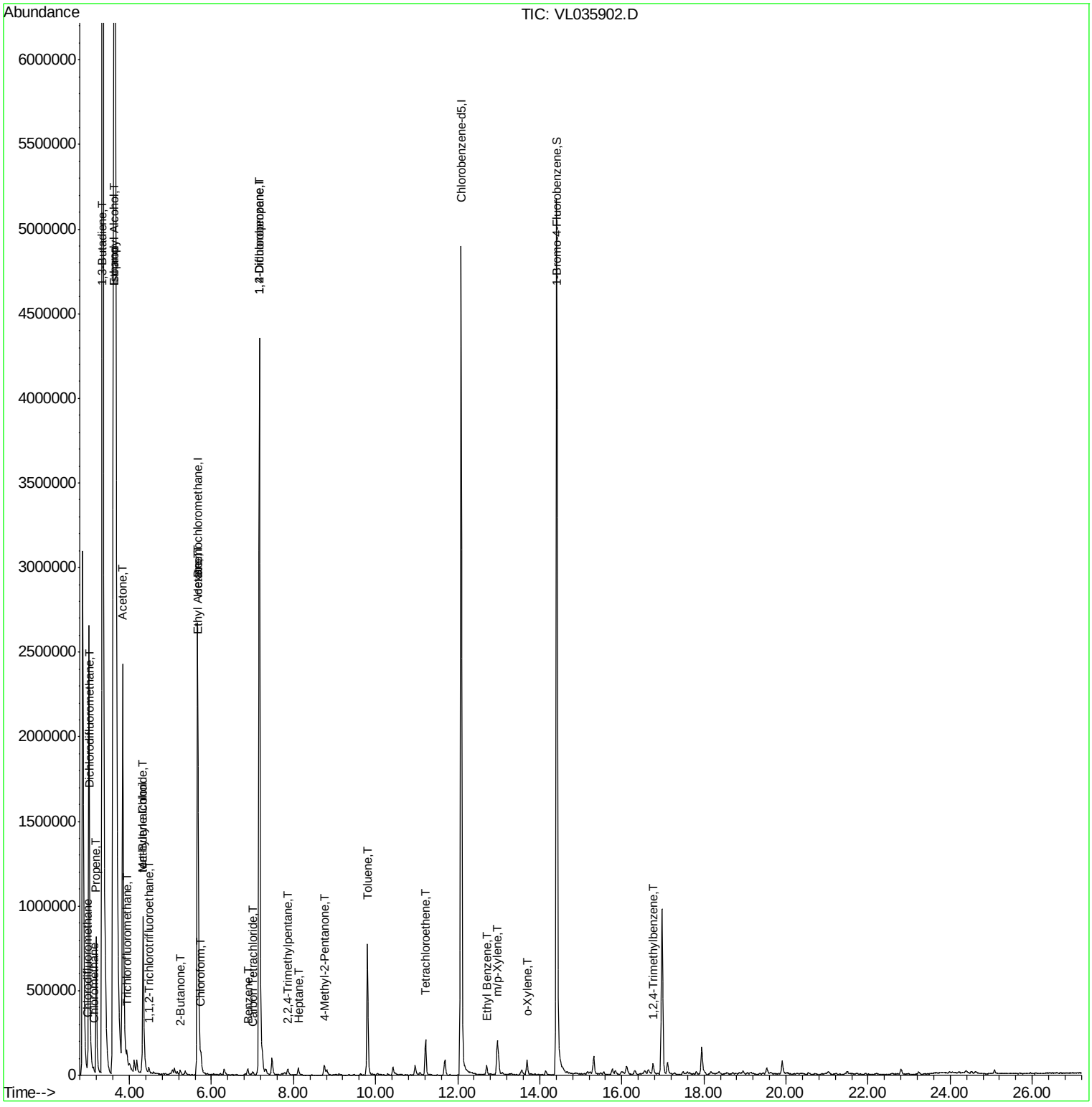
(#) = qualifier out of range (m) = manual integration (+) = signals summed

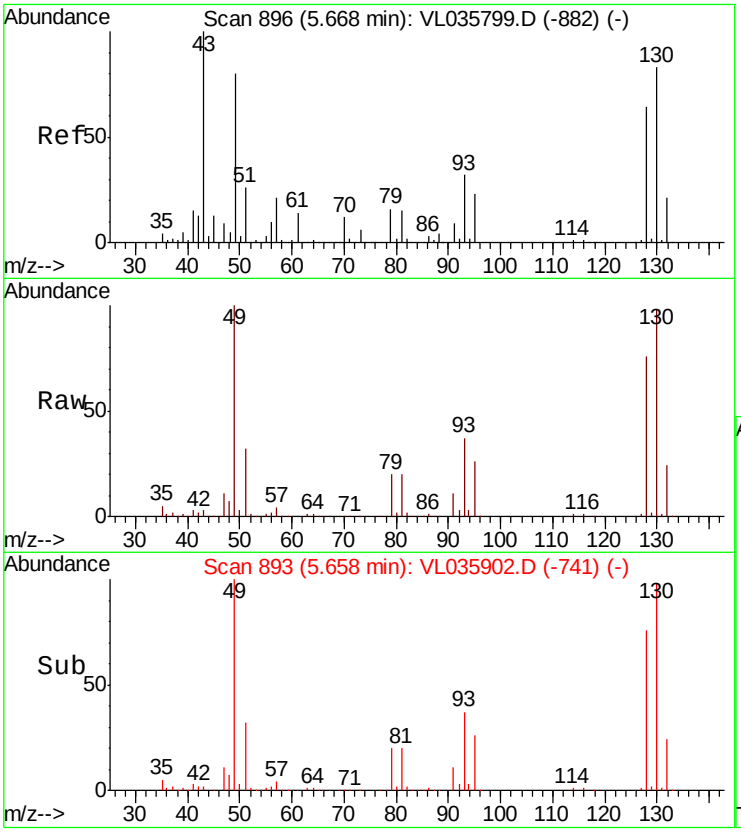
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111020\
Data File : VL035902.D
Acq On : 10 Nov 2020 23:53
Operator : SY/AP
Sample : L4618-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Quant Time: Nov 11 01:24:49 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



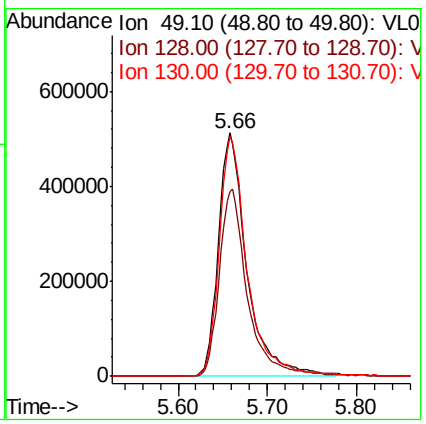


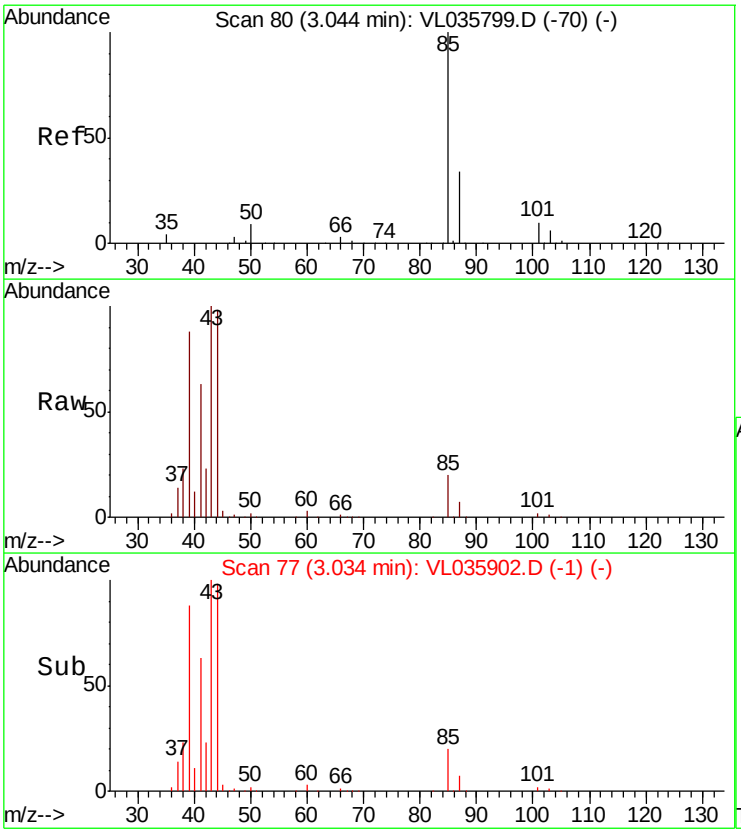
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

Tgt Ion: 49 Resp: 1130807

Ion	Ratio	Lower	Upper
49	100		
128	77.0	41.5	124.6
130	98.0	53.7	161.1

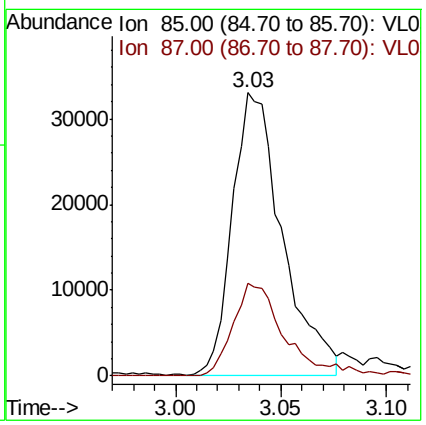


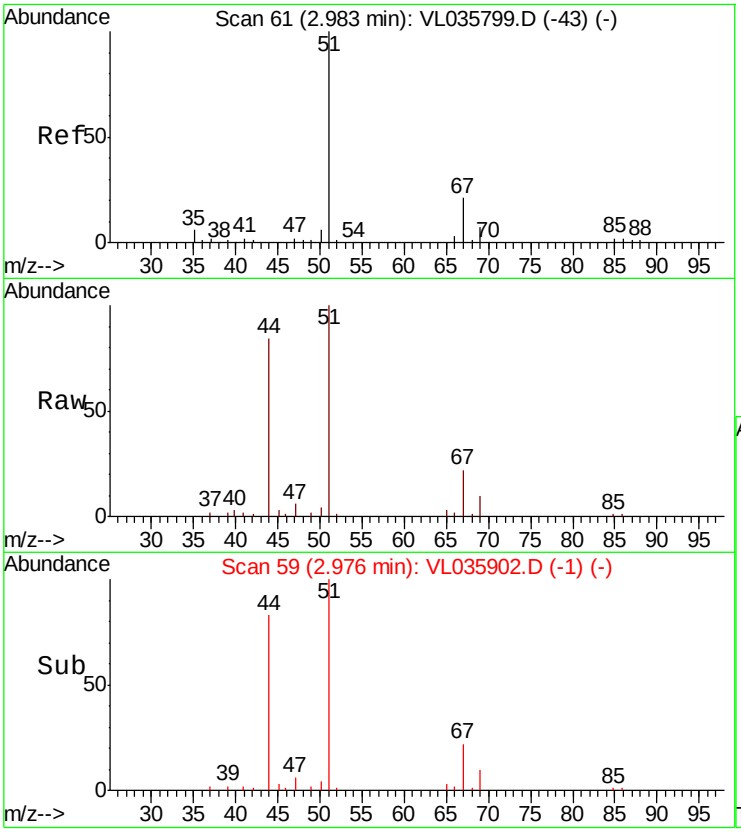


#2
Dichlorodifluoromethane
Concen: 0.257 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 85 Resp: 54610

Ion	Ratio	Lower	Upper
85	100		
87	32.8	27.1	40.7

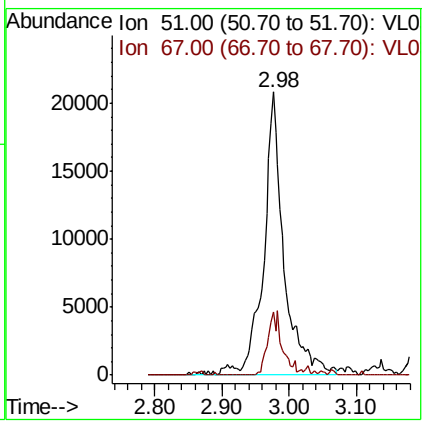




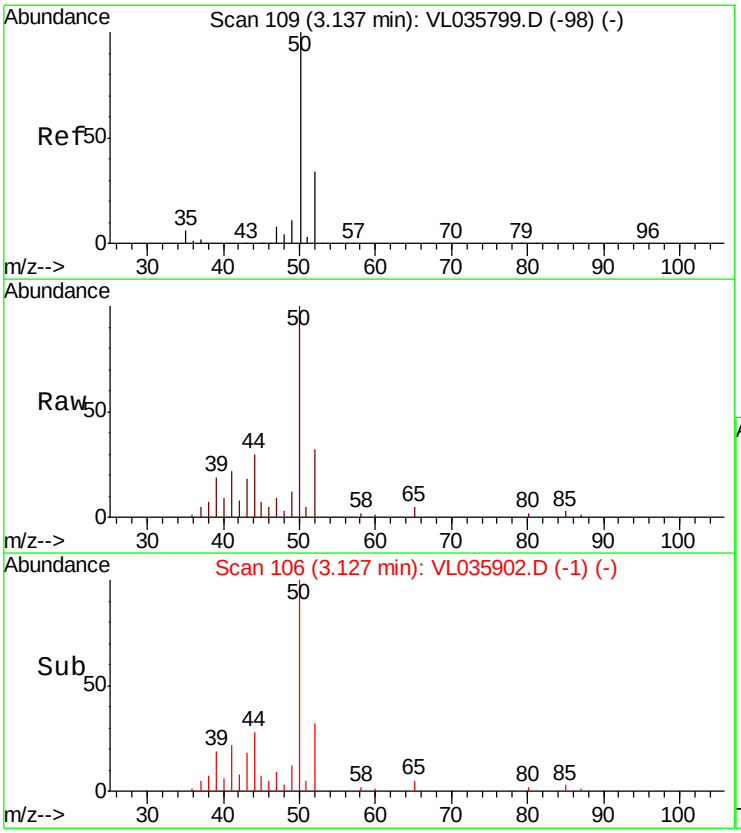
#3
Chlorodifluoromethane
Concen: 0.323 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 51 Resp: 43675

Ion	Ratio	Lower	Upper
51	100		
67	16.8	17.0	25.4#



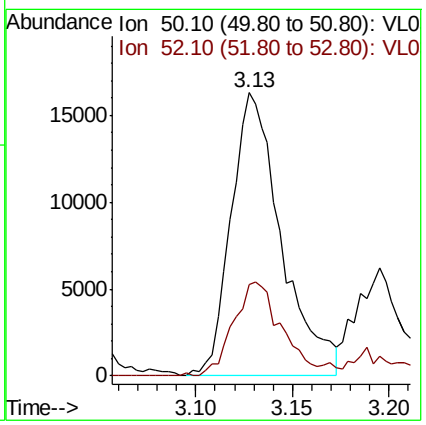
Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

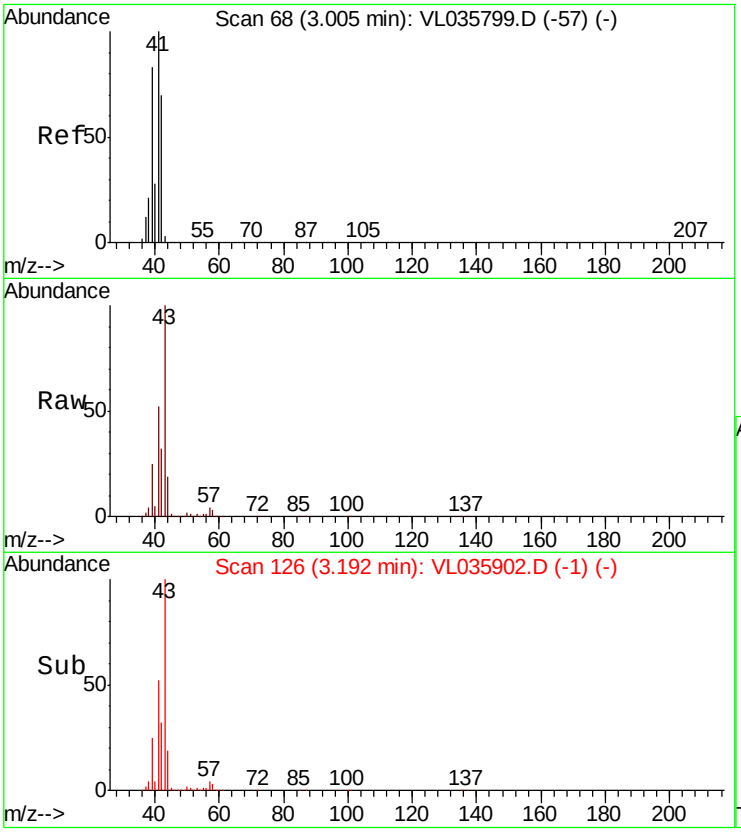


#4
Chloromethane
Concen: 0.449 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 50 Resp: 29544

Ion	Ratio	Lower	Upper
50	100		
52	31.5	27.1	40.7



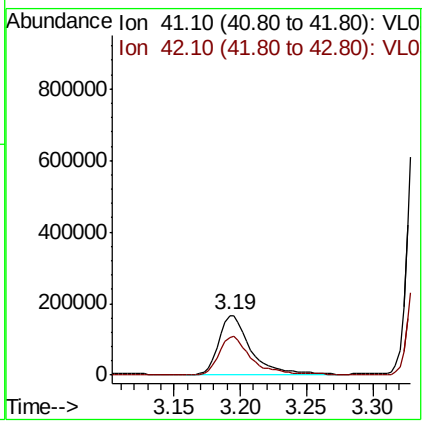


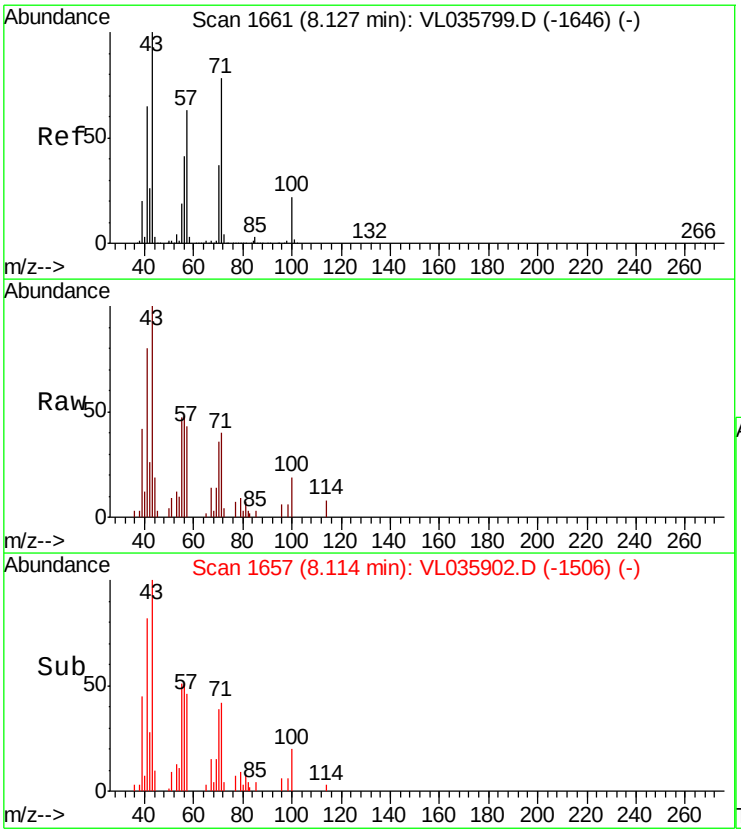
#9
Propene
Concen: 5.704 ppbv
RT: 3.19 min Scan# 126
Delta R.T. 0.19 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

Tgt Ion: 41 Resp: 282700

Ion	Ratio	Lower	Upper
41	100		
42	65.2	56.2	84.4

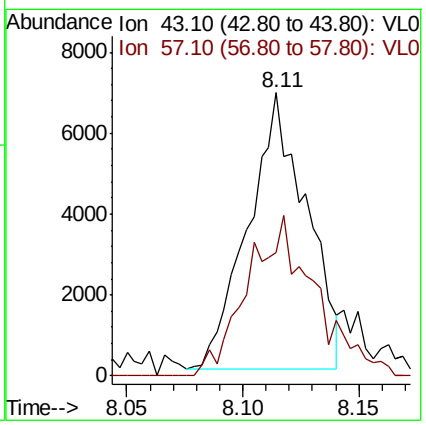


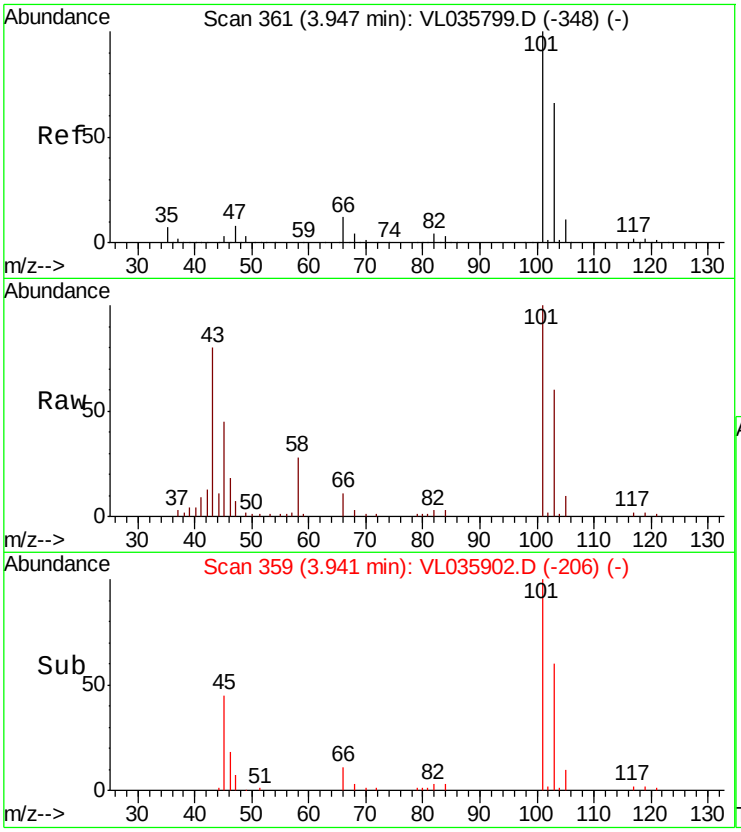


#10
Heptane
Concen: 0.087 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 43 Resp: 11900

Ion	Ratio	Lower	Upper
43	100		
57	67.2	50.0	75.0



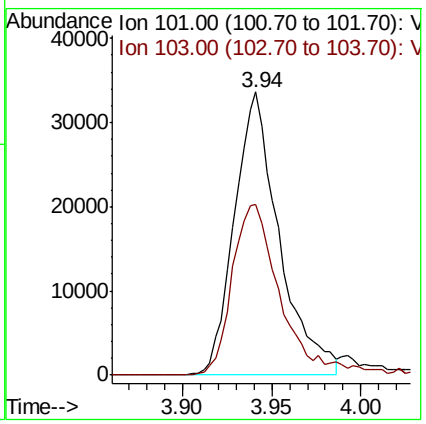


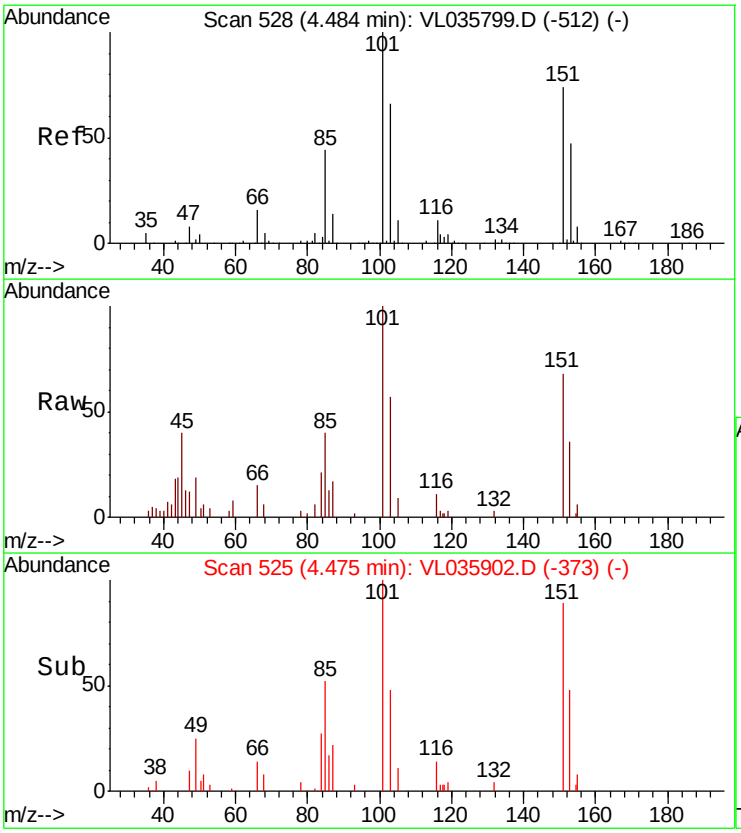
#11
Trichlorofluoromethane
Concen: 0.220 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion:101 Resp: 58871

Ion	Ratio	Lower	Upper
101	100		
103	60.5	53.0	79.4

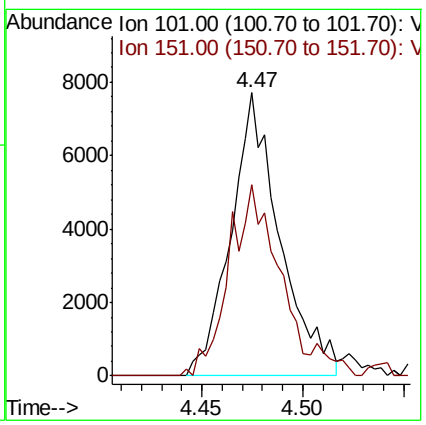


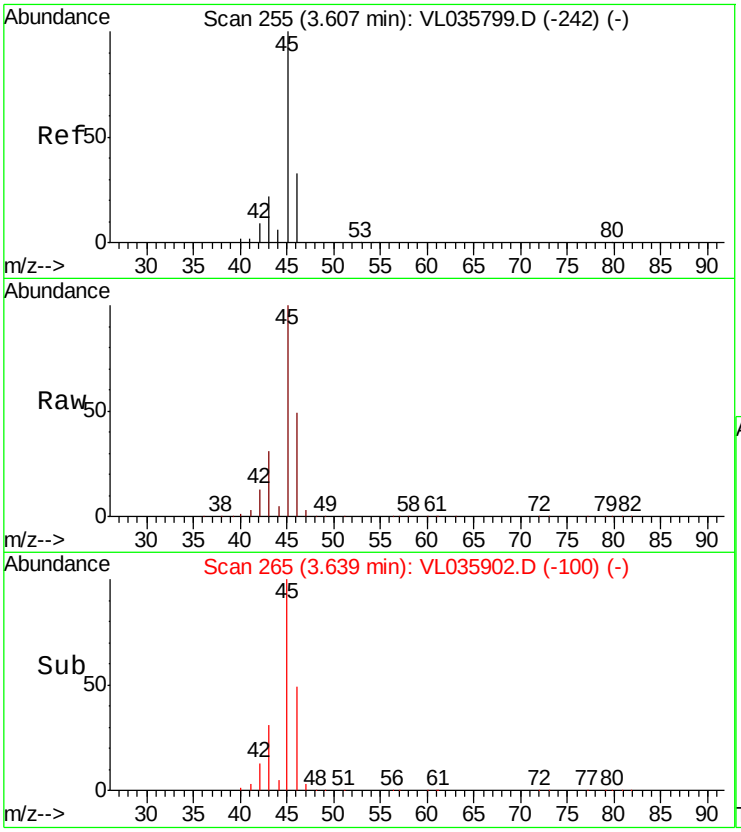


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion:101 Resp: 13107

Ion	Ratio	Lower	Upper
101	100		
151	73.8	58.9	88.3



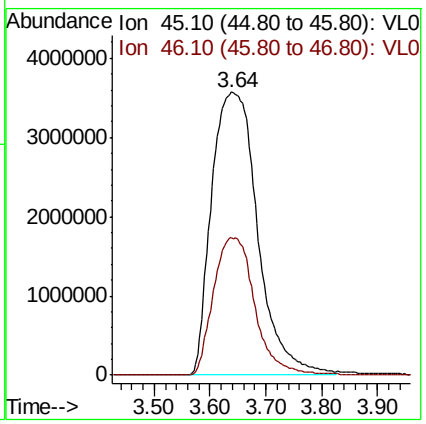


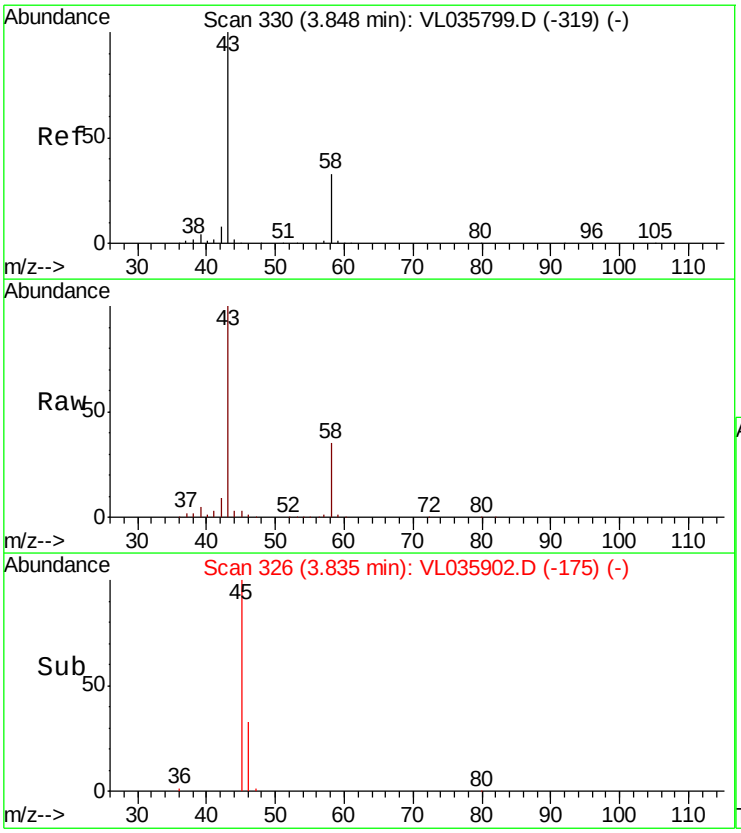
#13
Ethanol
Concen: 1908.205 ppbv
RT: 3.64 min Scan# 265
Delta R.T. 0.03 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion: 45 Resp:20518438

Ion	Ratio	Lower	Upper
45	100		
46	43.9	16.1	64.5

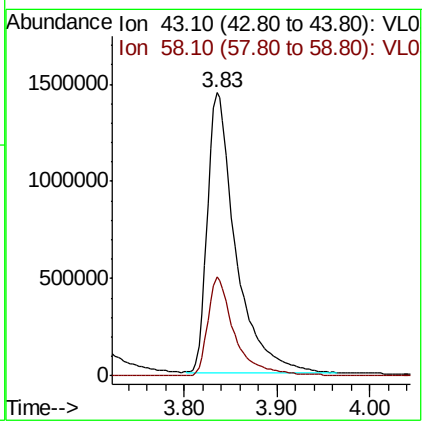


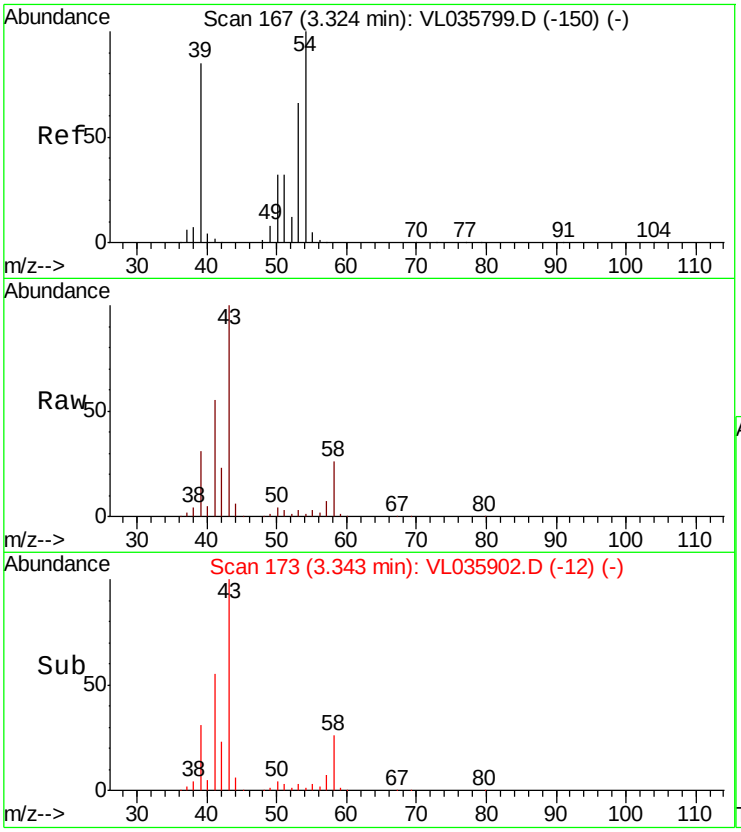


#15
Acetone
Concen: 25.189 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 43 Resp: 3045184

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.5	41.3



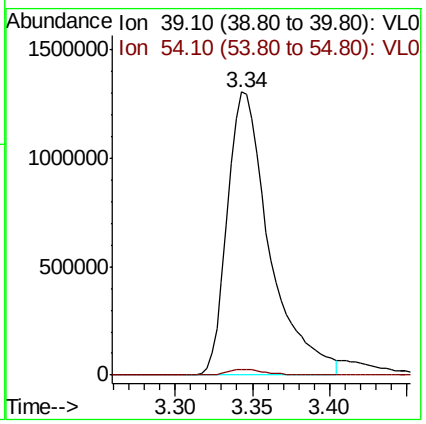


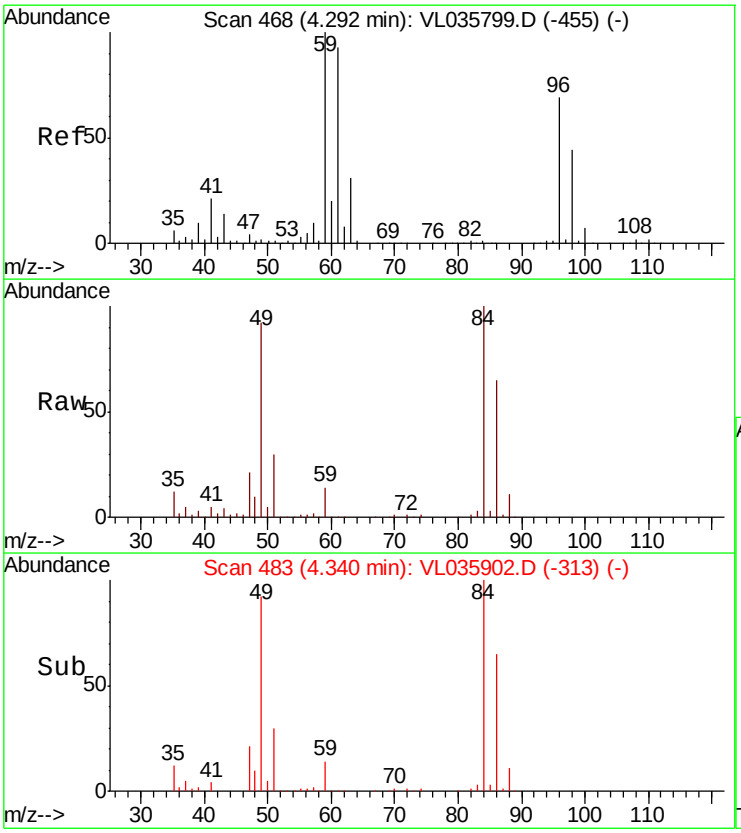
#16
1,3-Butadiene
Concen: 47.505 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.02 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

Tgt Ion: 39 Resp: 2472578

Ion	Ratio	Lower	Upper
39	100		
54	2.1	87.1	130.7#

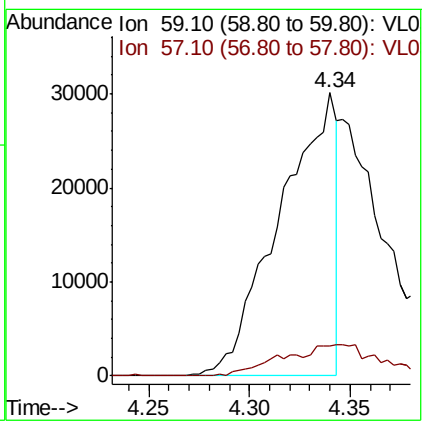


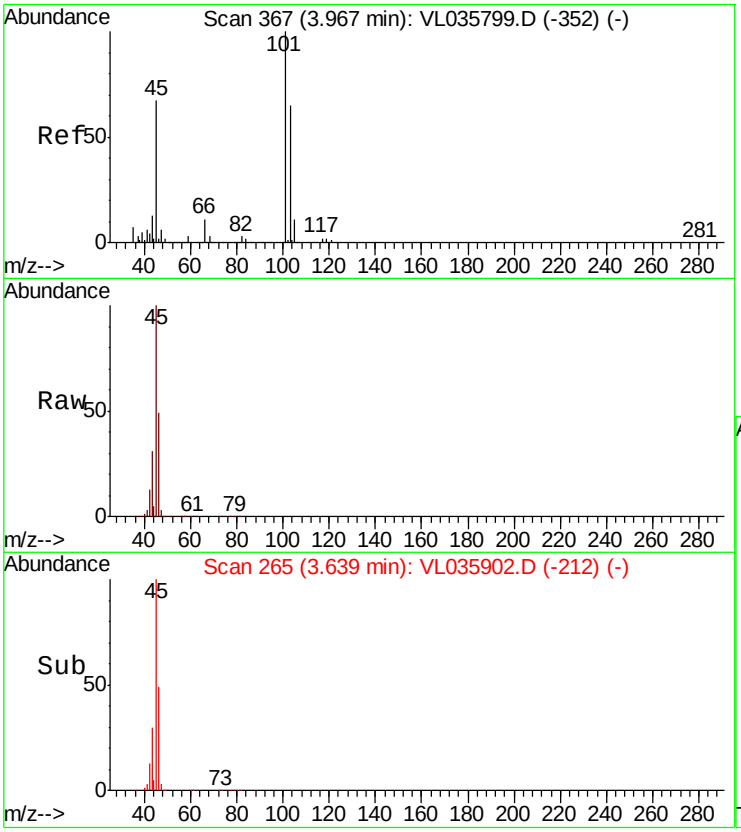


#17
tert-Butyl alcohol
Concen: 0.365 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.05 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 59 Resp: 58523

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



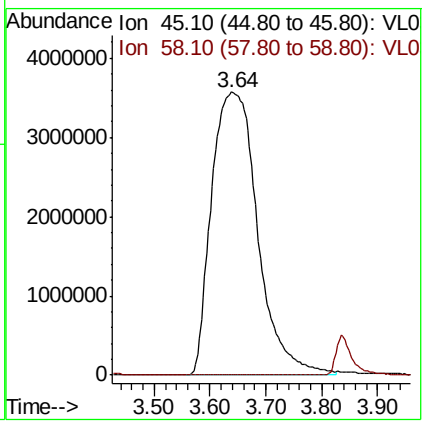


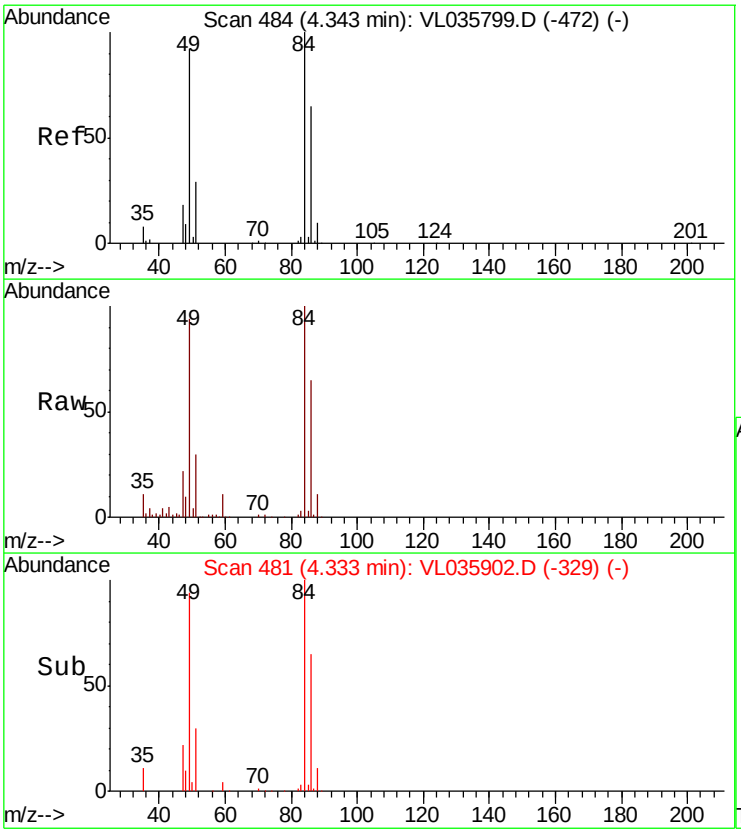
#19
Isopropyl Alcohol
Concen: 276.183 ppbv
RT: 3.64 min Scan# 265
Delta R.T. -0.33 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

Tgt Ion: 45 Resp:20518438

Ion	Ratio	Lower	Upper
45	100		
58	5.1	2.6	3.8#

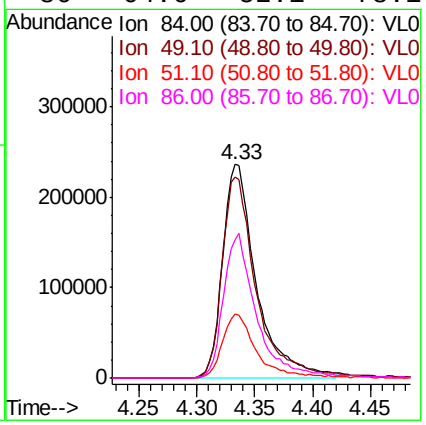


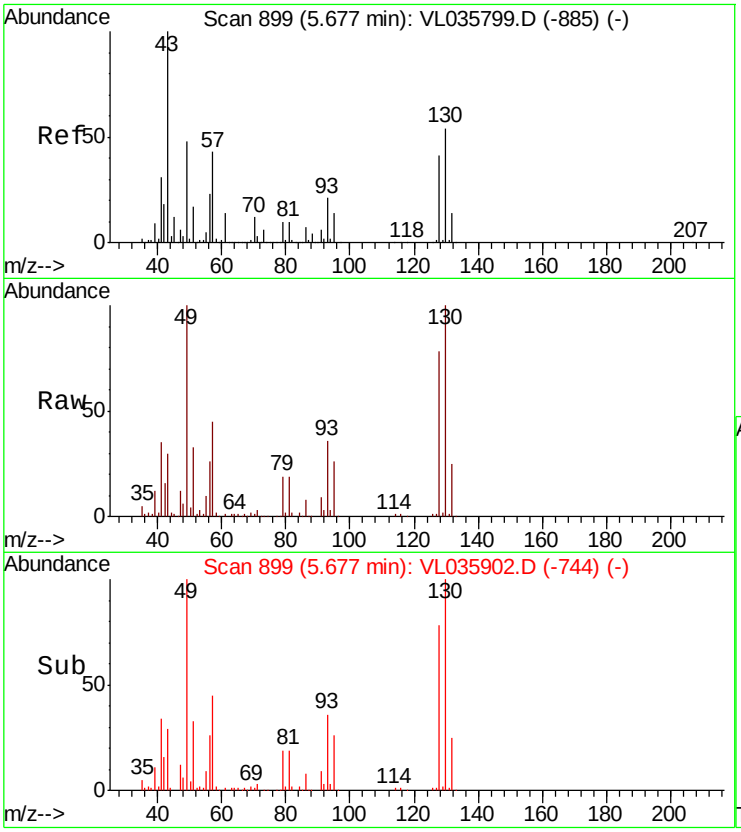


#20
Methylene Chloride
Concen: 5.593 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 84 Resp: 475959

Ion	Ratio	Lower	Upper
84	100		
49	93.8	73.8	110.8
51	30.2	23.0	34.4
86	64.6	52.1	78.1



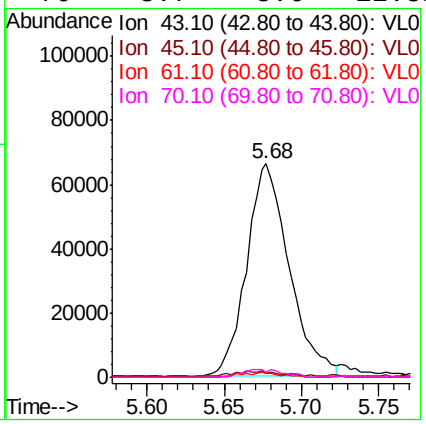


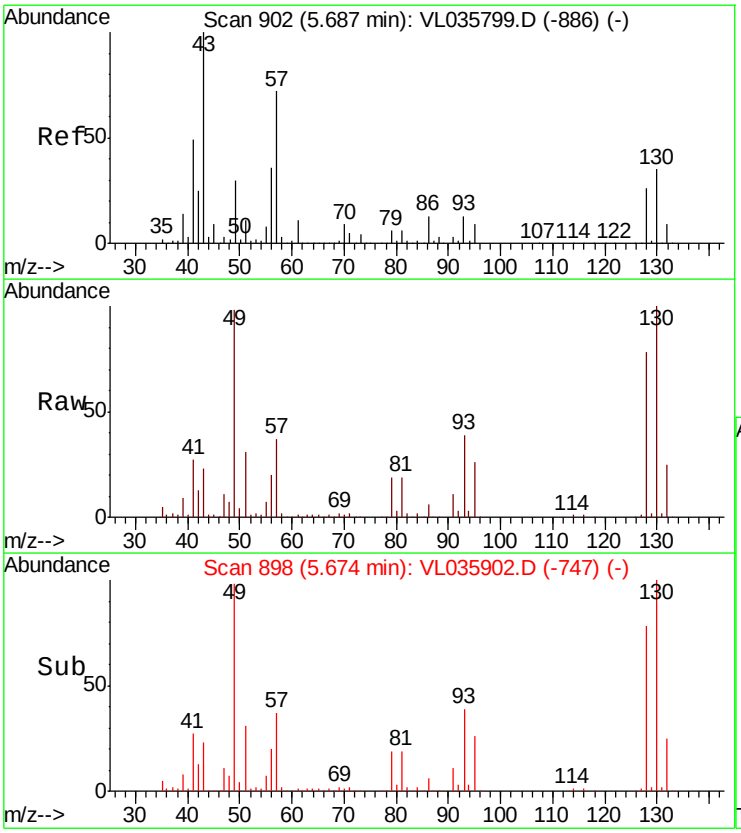
#25
Ethyl Acetate
Concen: 0.533 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion: 43 Resp: 127058

Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.5	12.7#
61	2.0	10.7	16.1#
70	3.7	8.6	12.8#

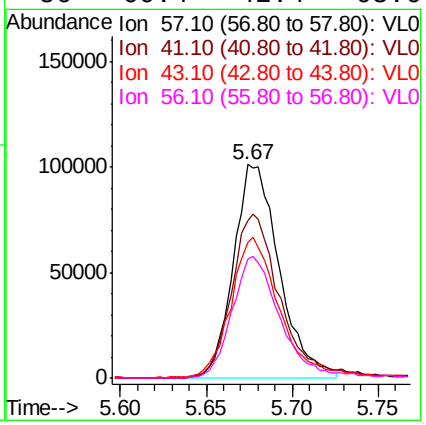


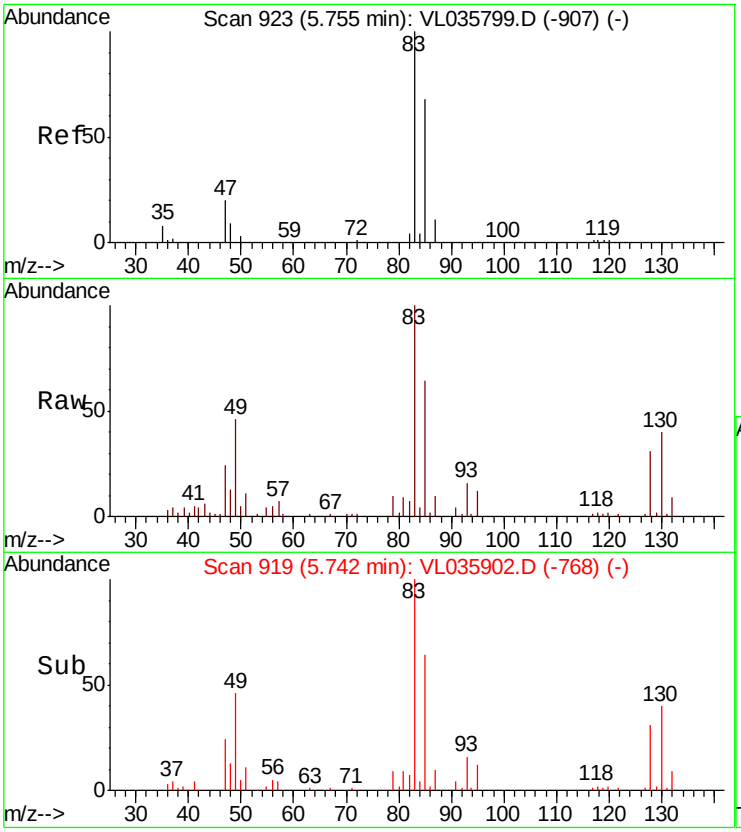


#26
Hexane
Concen: 1.421 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 57 Resp: 186694

Ion	Ratio	Lower	Upper
57	100		
41	82.5	58.9	88.3
43	70.6	150.2	225.2#
56	60.4	42.4	63.6



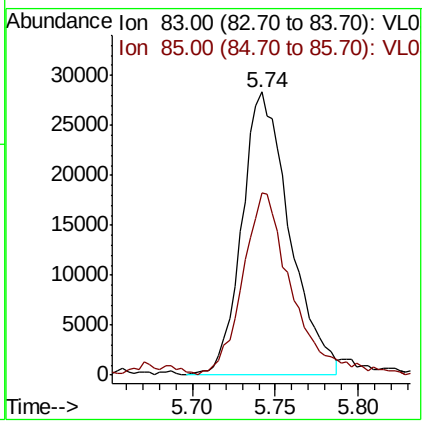


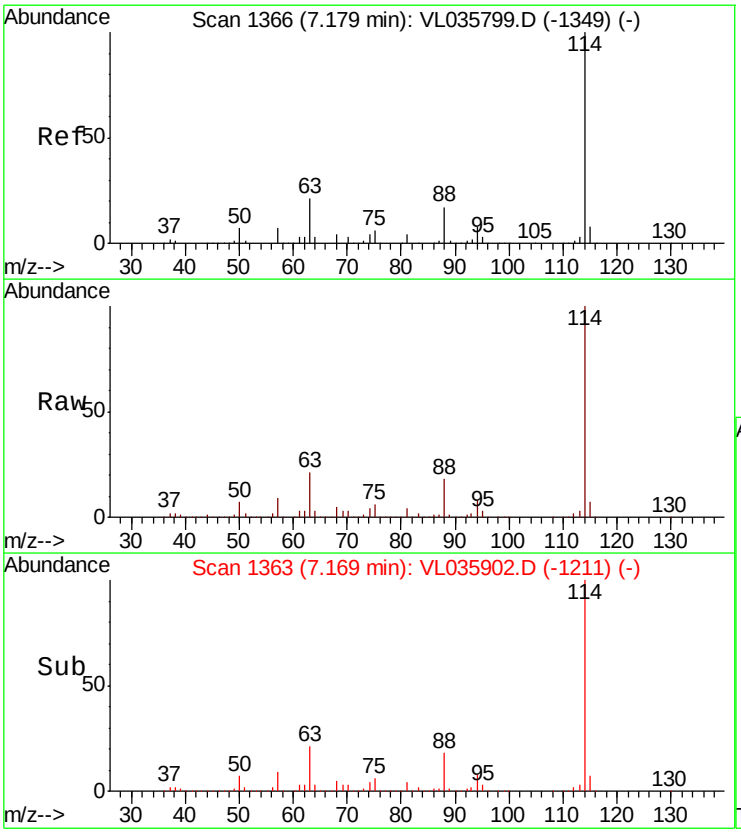
#29
Chloroform
Concen: 0.220 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion: 83 Resp: 56808

Ion	Ratio	Lower	Upper
83	100		
85	63.1	54.6	81.8

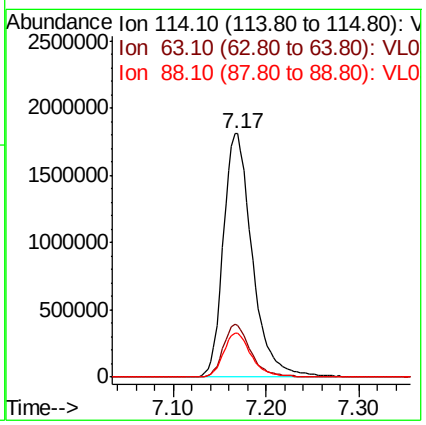


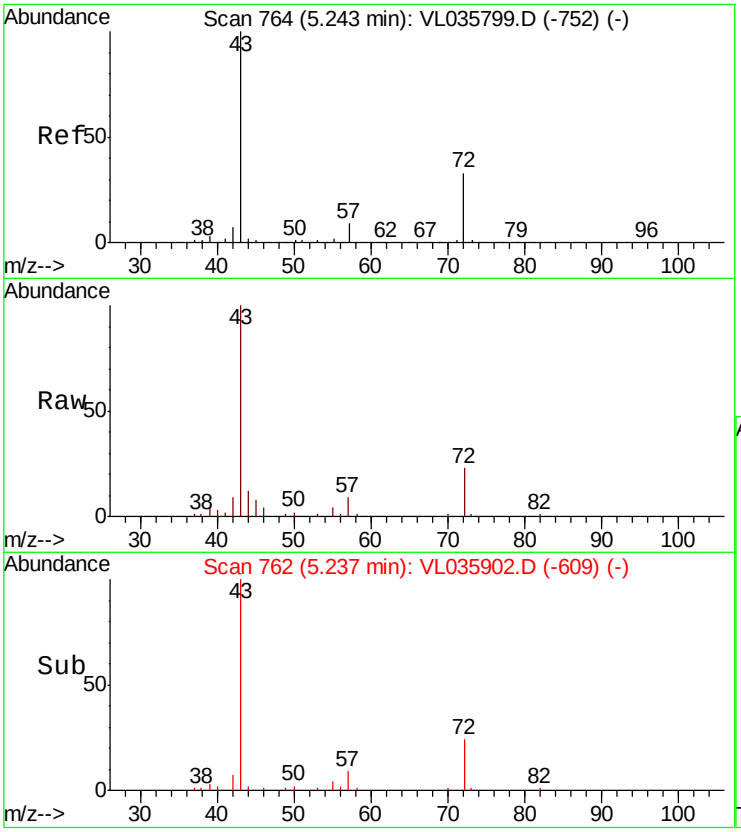


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion:114 Resp: 3921966

Ion	Ratio	Lower	Upper
114	100		
63	20.7	16.1	24.1
88	17.4	13.7	20.5



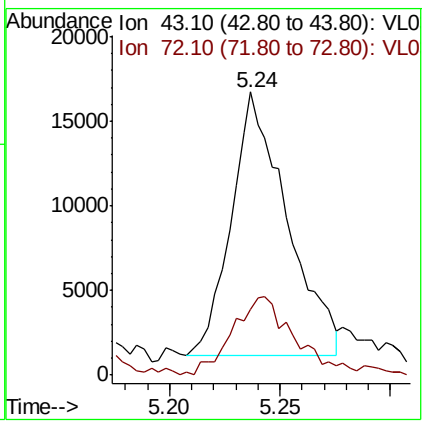


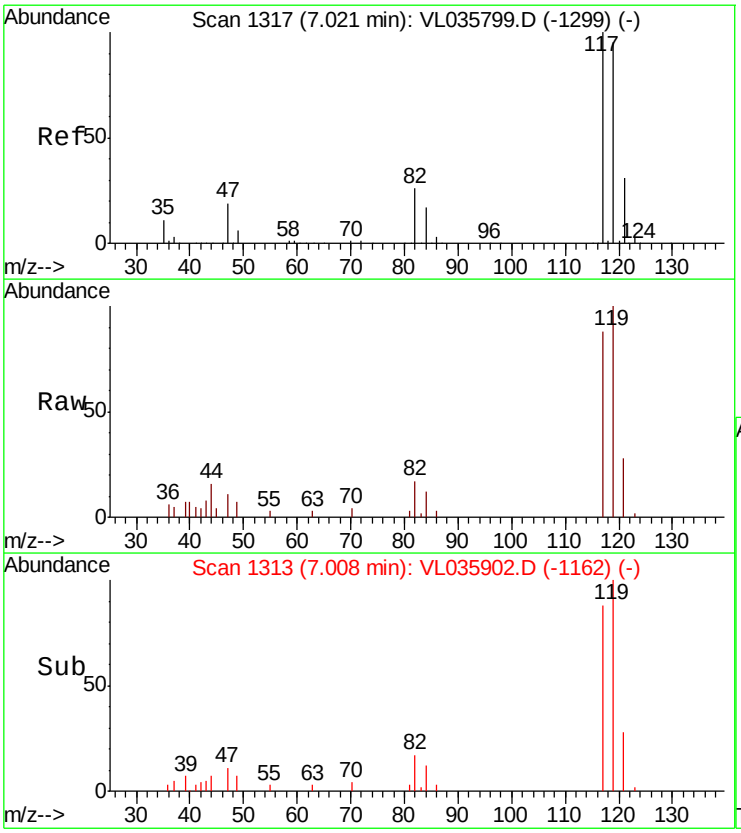
#34
2-Butanone
Concen: 0.215 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

Tgt Ion: 43 Resp: 27332

Ion	Ratio	Lower	Upper
43	100		
72	35.0	26.5	39.7

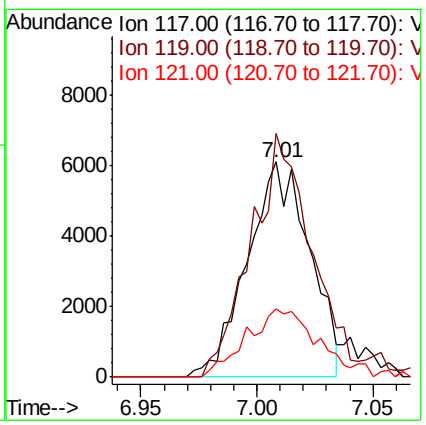


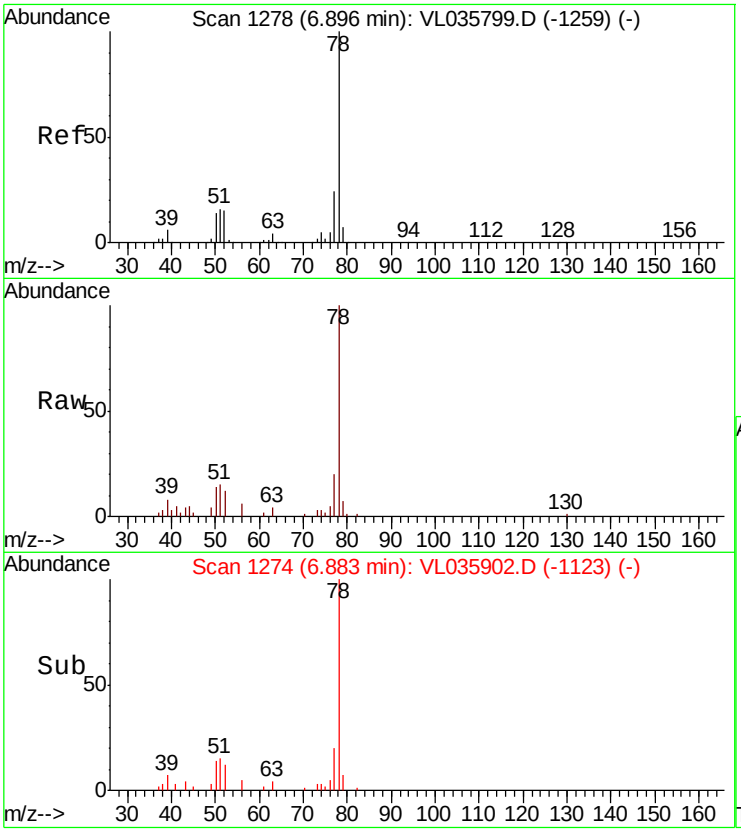


#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion:117 Resp: 11298

Ion	Ratio	Lower	Upper
117	100		
119	113.3	75.6	113.4
121	31.5	25.1	37.7



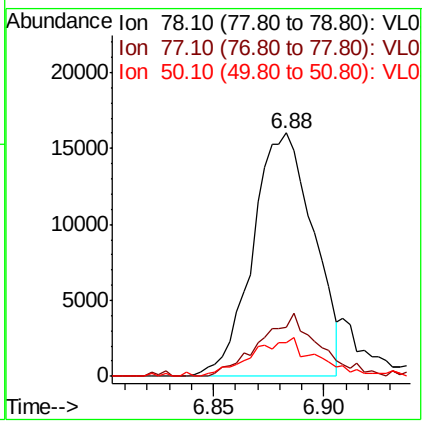


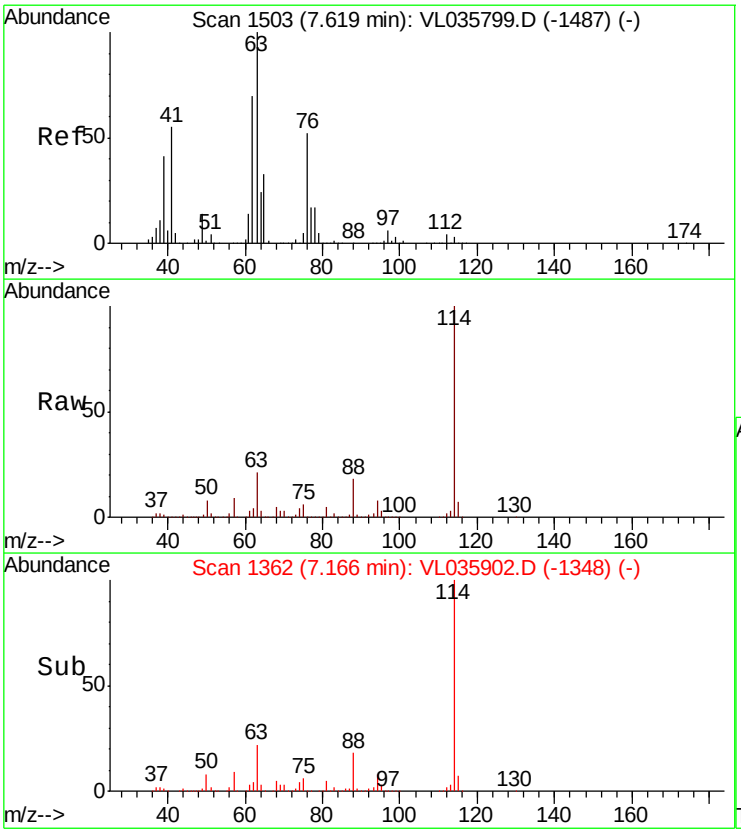
#36
Benzene
Concen: 0.105 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion: 78 Resp: 30552

Ion	Ratio	Lower	Upper
78	100		
77	20.3	19.3	28.9
50	12.3	11.4	17.2

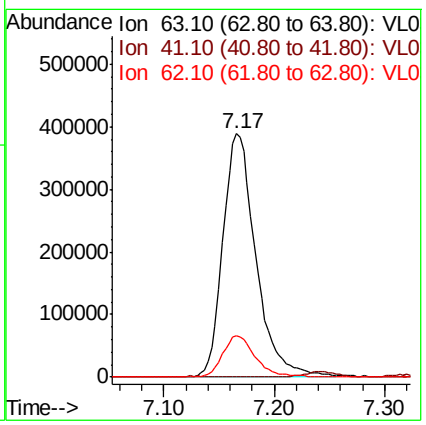


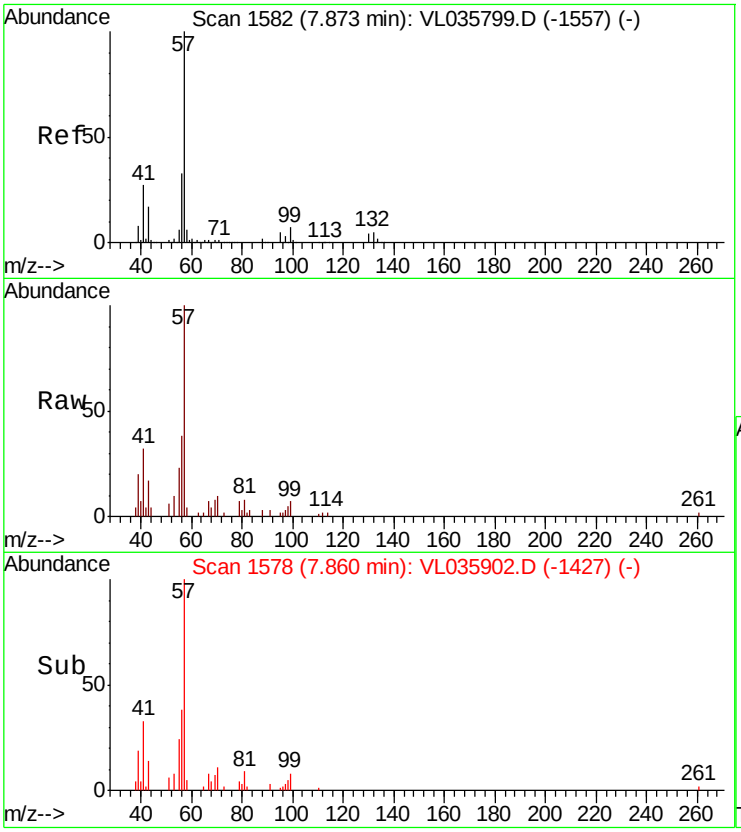


#39
1,2-Dichloropropane
Concen: 8.195 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.45 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 63 Resp: 804501

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.8	56.2	84.2#



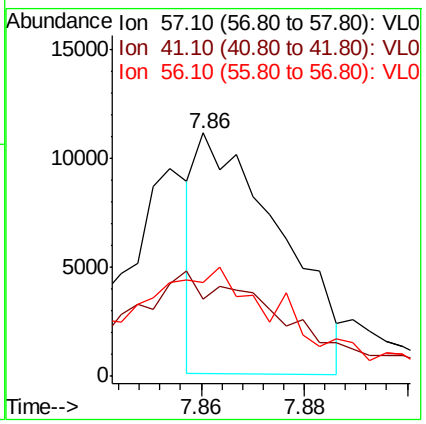


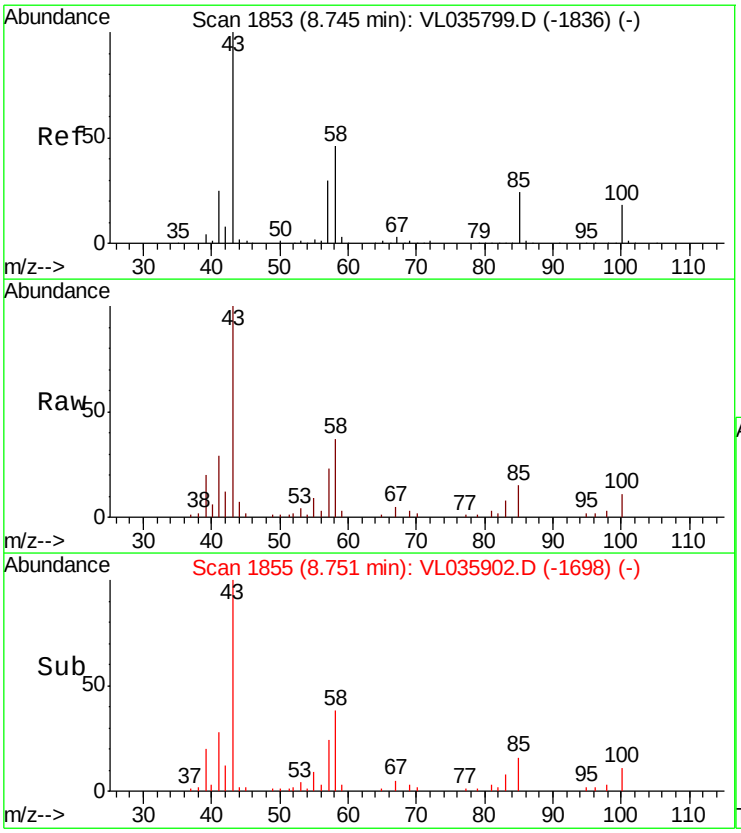
#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion: 57 Resp: 12345

Ion	Ratio	Lower	Upper
57	100		
41	95.8	21.0	31.4#
56	95.1	25.4	38.0#

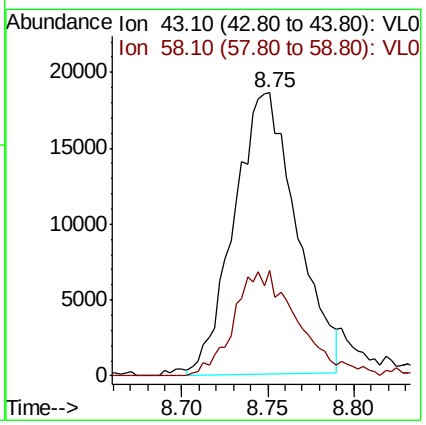


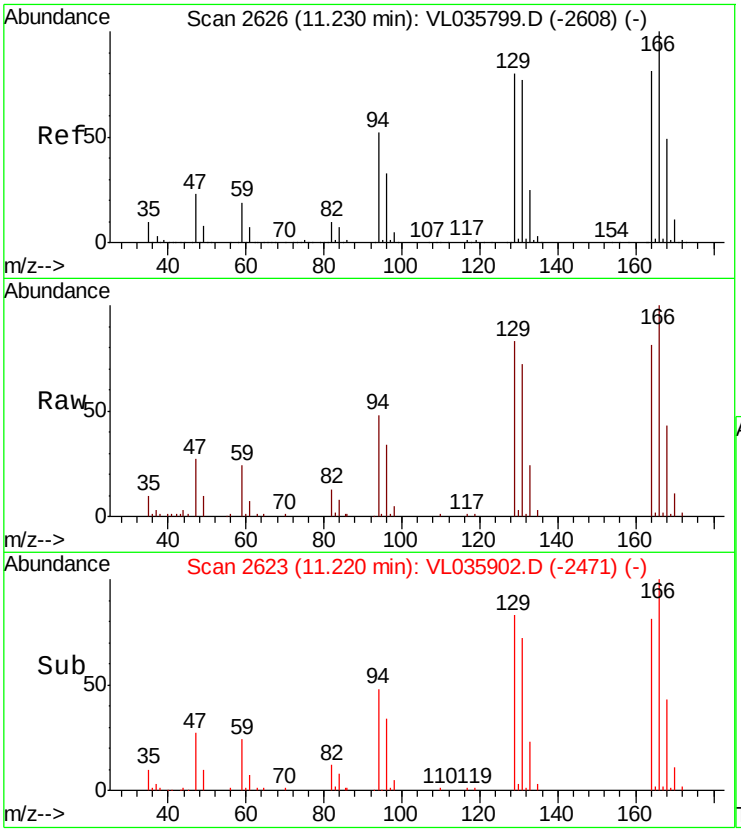


#50
4-Methyl-2-Pentanone
Concen: 0.240 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 43 Resp: 46800

Ion	Ratio	Lower	Upper
43	100		
58	39.4	36.0	54.0



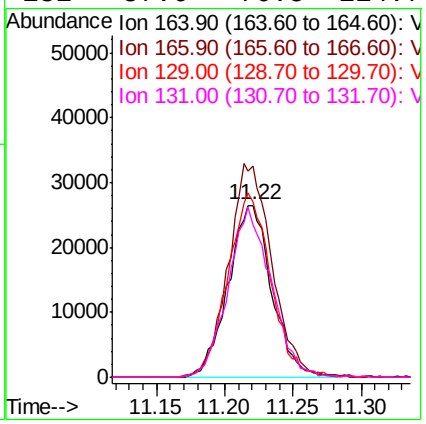


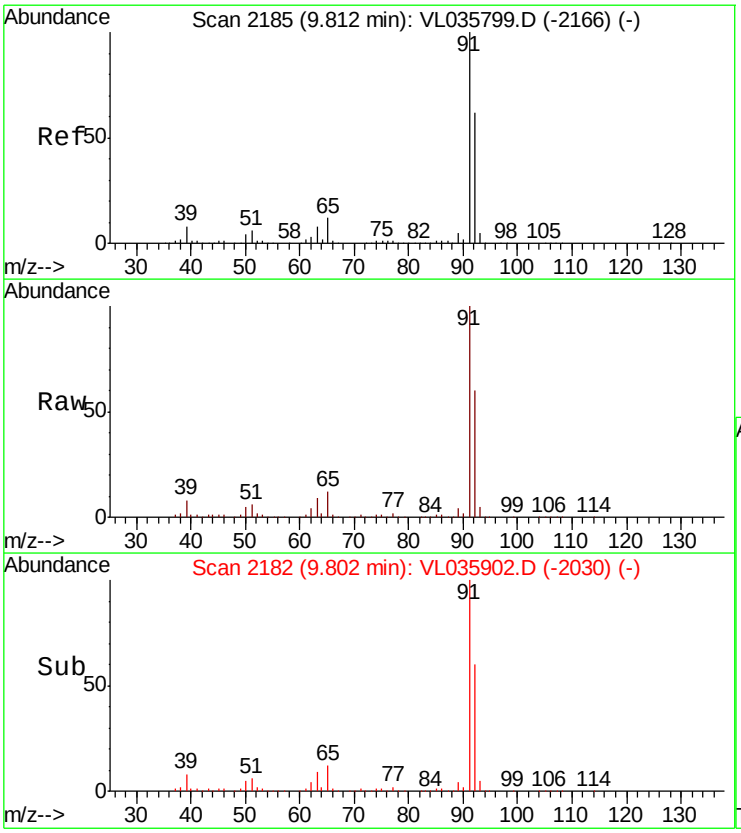
#52
Tetrachloroethene
Concen: 0.423 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion:164 Resp: 58471

Ion	Ratio	Lower	Upper
164	100		
166	121.9	99.3	148.9
129	101.3	79.3	118.9
131	87.6	76.5	114.7

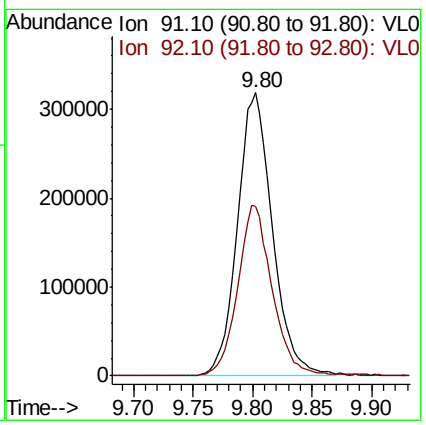


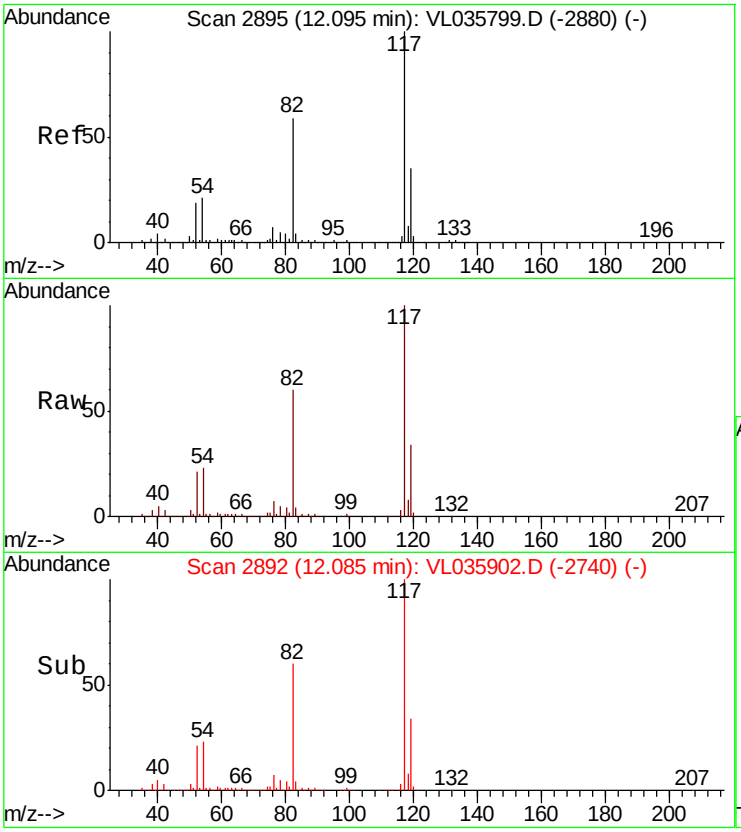


#53
Toluene
Concen: 1.847 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 91 Resp: 649795

Ion	Ratio	Lower	Upper
91	100		
92	59.7	49.8	74.6



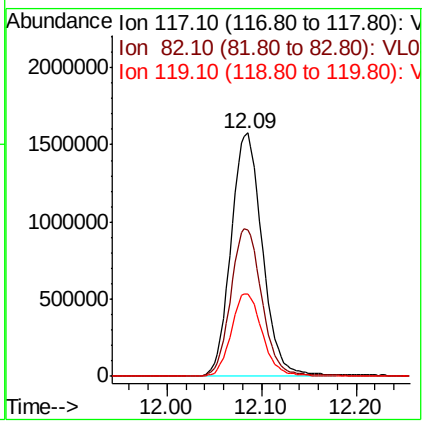


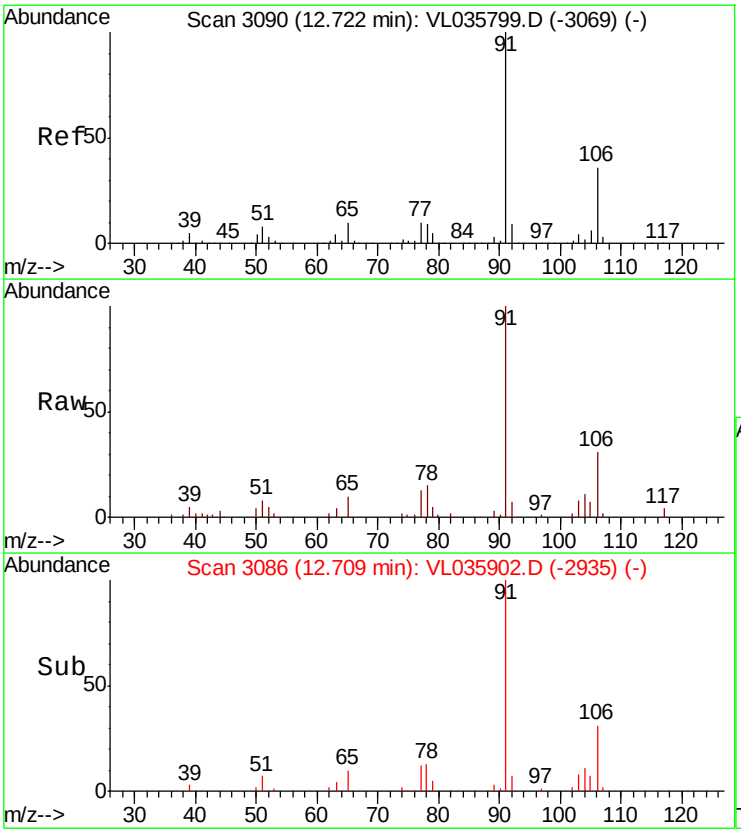
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion:117 Resp: 3636586

Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	76.0
119	34.0	52.6	78.8#

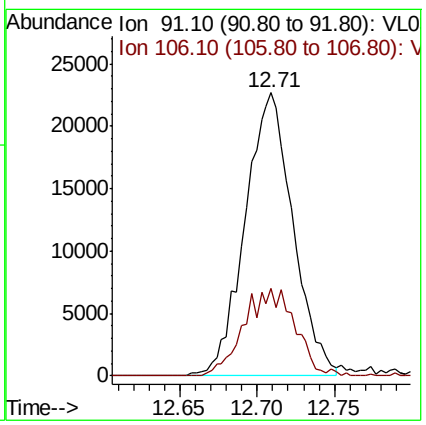


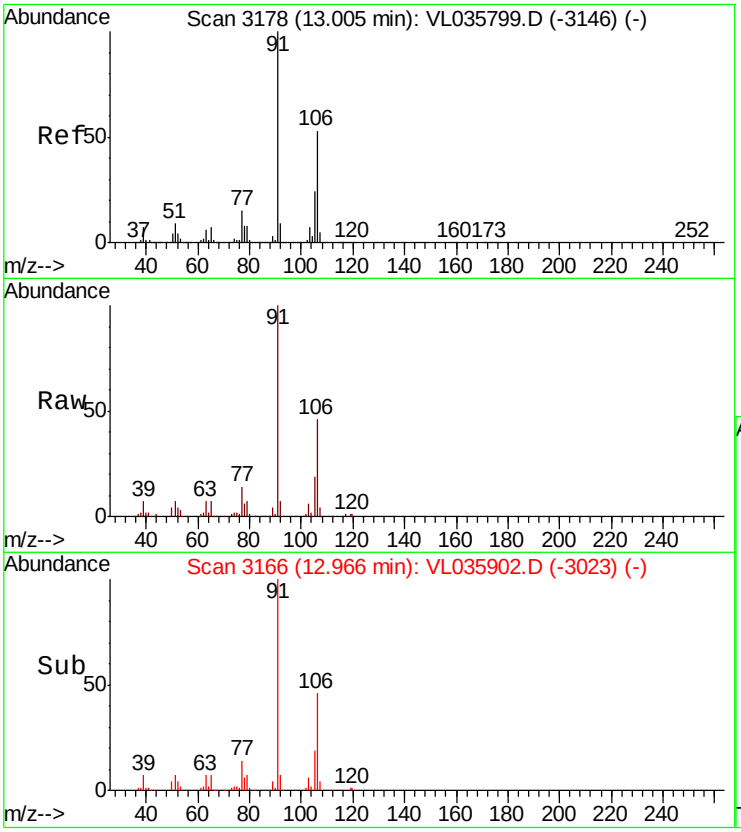


#58
Ethyl Benzene
Concen: 0.110 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 91 Resp: 48872

Ion	Ratio	Lower	Upper
91	100		
106	30.8	28.6	43.0



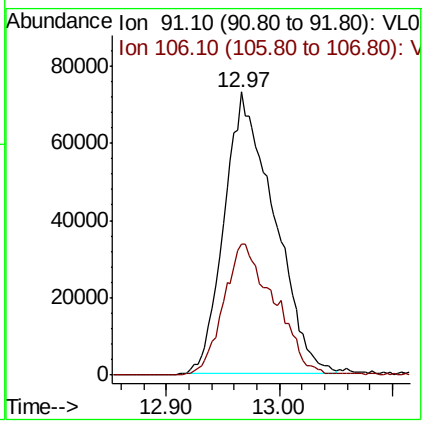


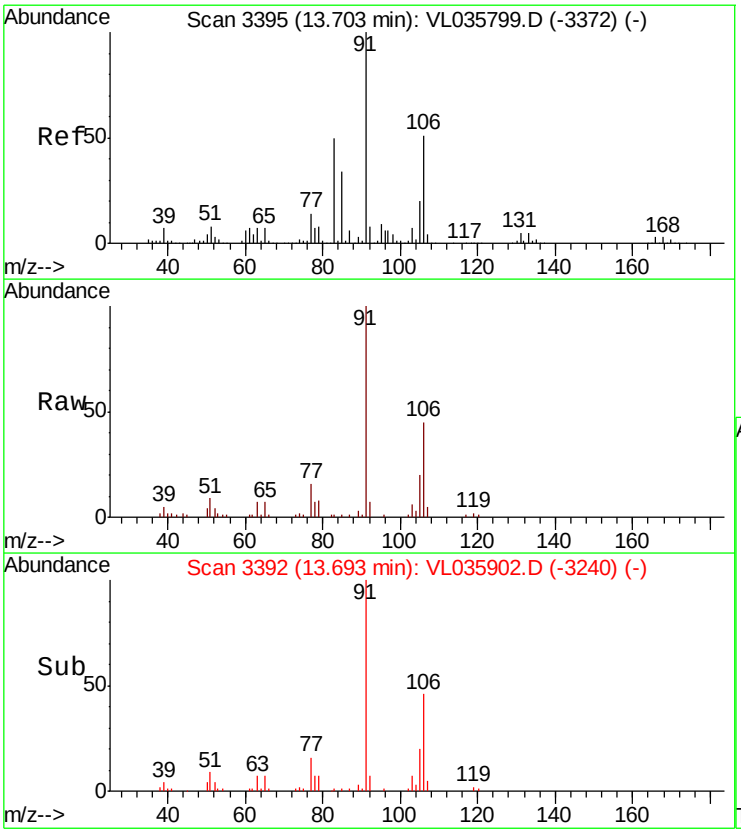
#59
m/p-Xylene
Concen: 0.594 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument : MSVOA_L
ClientSampleId : SSSG-2

Tgt Ion: 91 Resp: 222666

Ion	Ratio	Lower	Upper
91	100		
106	47.9	39.5	59.3

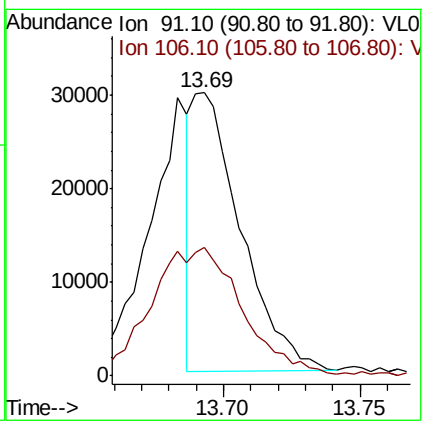


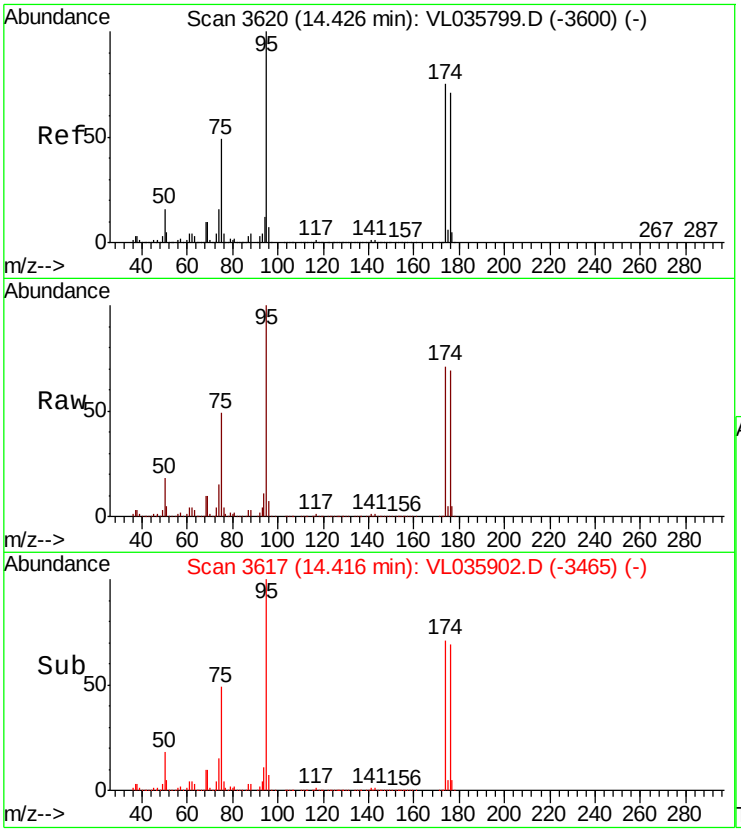


#60
o-Xylene
Concen: 0.100 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion: 91 Resp: 36352

Ion	Ratio	Lower	Upper
91	100		
106	89.7	24.8	74.4#



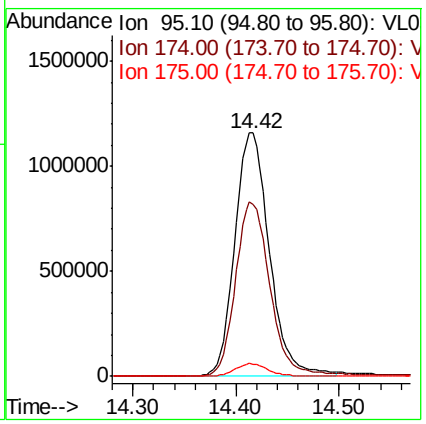


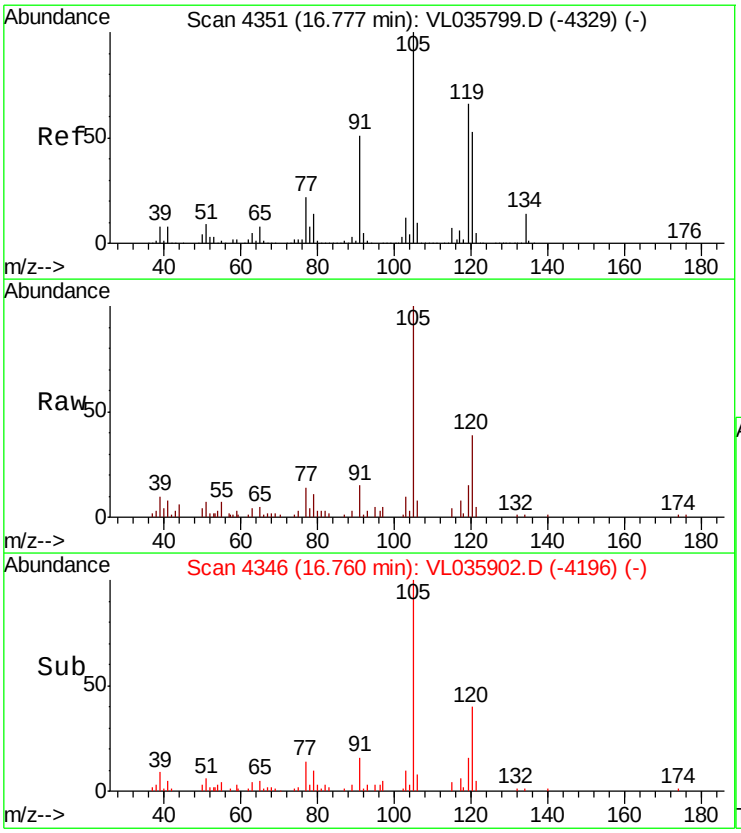
#68
1-Bromo-4-Fluorobenzene
Concen: 10.495 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Instrument :
MSVOA_L
ClientSampleId :
SSSG-2

Tgt Ion: 95 Resp: 2711483

Ion	Ratio	Lower	Upper
95	100		
174	73.0	59.8	89.6
175	5.2	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.094 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. -0.02 min
Lab File: VL035902.D
Acq: 10 Nov 2020 23:53

Tgt Ion:105 Resp: 40651

Ion	Ratio	Lower	Upper
105	100		
120	37.7	42.0	63.0#
91	13.6	41.0	61.6#
77	13.6	17.3	25.9#