Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110520\
Data File : VL035889.D
Acq On : 6 Nov 2020 10:43
Operator : SY/AP
Sample : VL4618-04 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-1

Quant Time: Nov 06 23:44:33 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	5.65	49	956993	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.16	114	3546813	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	3471343	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2550125	10.34	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	31336	0.174	ppbv		96
3) Chlorodifluoromethane	2.97	51	21436	0.187	ppbv		95
4) Chloromethane	3.12	50	14985	0.269	ppbv		89
5) Vinyl Chloride	3.24	62	2214	0.031	ppbv		96
9) Propene	3.00	41	43296	1.032	ppbv		98
10) Heptane	8.11	43	6732	0.058	ppbv	#	19
11) Trichlorofluoromethane	3.93	101	28747	0.127	ppbv	#	81
13) Ethanol	3.60	45	54517	5.991	ppbv		97
15) Acetone	3.83	43	14369506	140.449	ppbv	#	77
16) 1,3-Butadiene	3.29	39	13939	0.316	ppbv	#	62
17) tert-Butyl alcohol	4.29	59	89690	0.661	ppbv	#	89
19) Isopropyl Alcohol	3.96	45	2699	0.043	ppbv	#	90
20) Methylene Chloride	4.33	84	130494	1.812	ppbv		96
25) Ethyl Acetate	5.66	43	40843	0.203	ppbv	#	84
26) Hexane	5.66	57	58687	0.528	ppbv	#	45
29) Chloroform	5.74	83	28035	0.128	ppbv		93
30) Cyclohexane	7.11	84	9796	0.081	ppbv	#	24
34) 2-Butanone	5.23	43	42802	0.372	ppbv		97
35) Carbon Tetrachloride	7.00	117	6187	0.033	ppbv	#	92
36) Benzene	6.88	78	148401	0.563	ppbv		92
39) 1,2-Dichloropropane	7.16	63	714208	8.045	ppbv	#	30
44) 2,2,4-Trimethylpentane	7.85	57	45389	0.130	ppbv	#	70
52) Tetrachloroethene	11.20	164	4664	0.037	ppbv	#	79
53) Toluene	9.79	91	12533274	39.392	ppbv		86
58) Ethyl Benzene	12.69	91	108251	0.256	ppbv		92
59) m/p-Xylene	12.95	91	201747	0.564	ppbv		99
60) o-Xylene	13.67	91	74033	0.213	ppbv		99
62) Isopropylbenzene	14.65	105	1641739	3.002	ppbv		95
74) 1,2,4-Trimethylbenzene	16.74	105	51553	0.125	ppbv	#	63

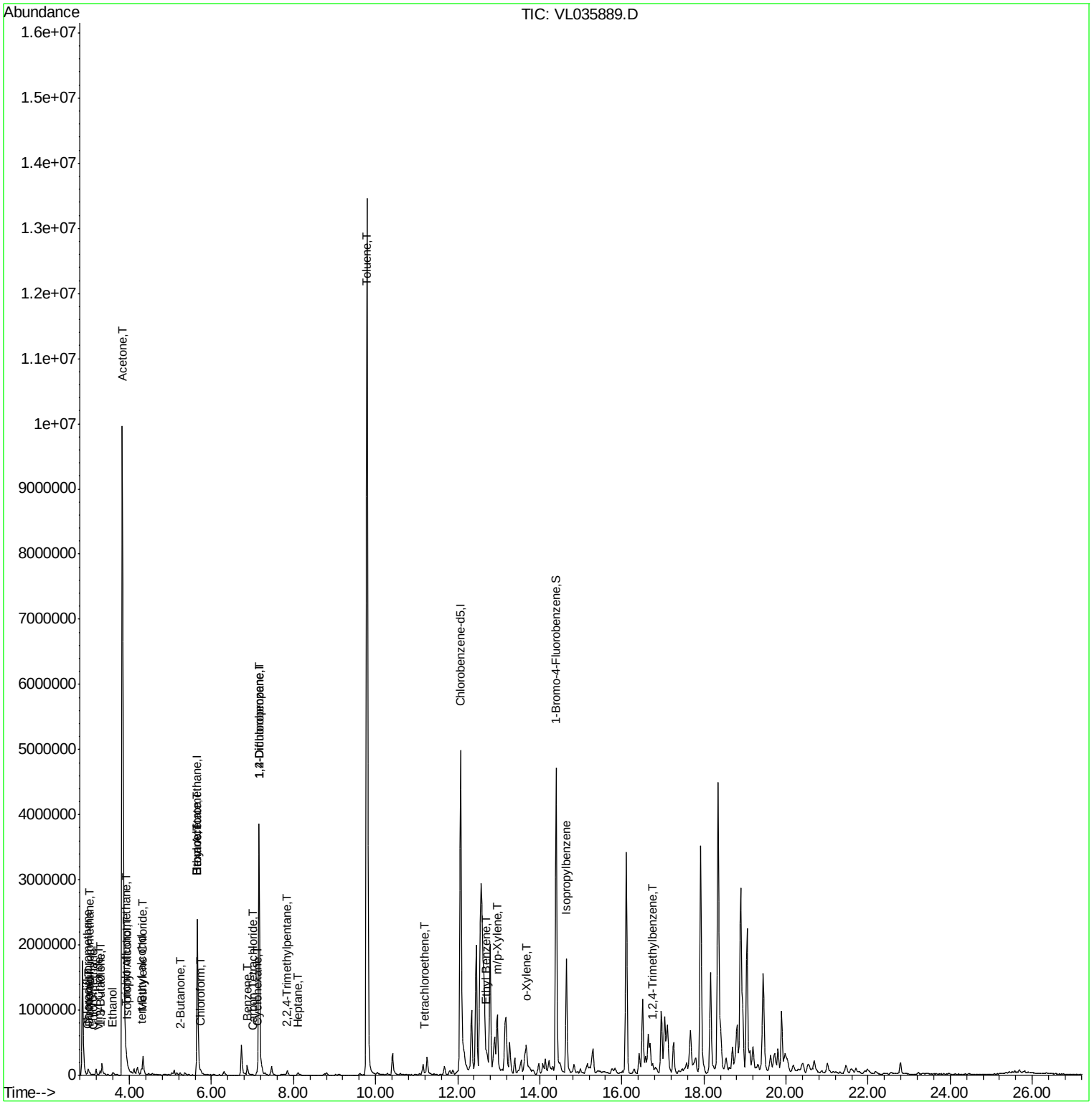
(#) = qualifier out of range (m) = manual integration (+) = signals summed

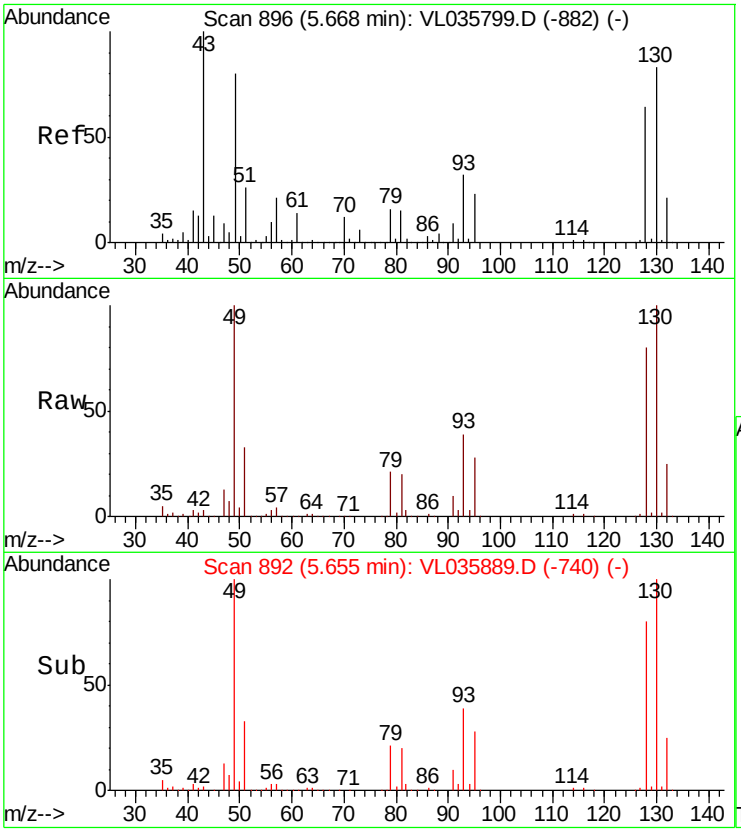
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110520\
Data File : VL035889.D
Acq On : 6 Nov 2020 10:43
Operator : SY/AP
Sample : VL4618-04 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG-1

Quant Time: Nov 06 23:44:33 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



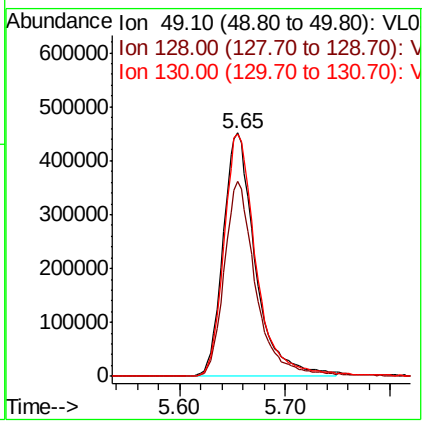


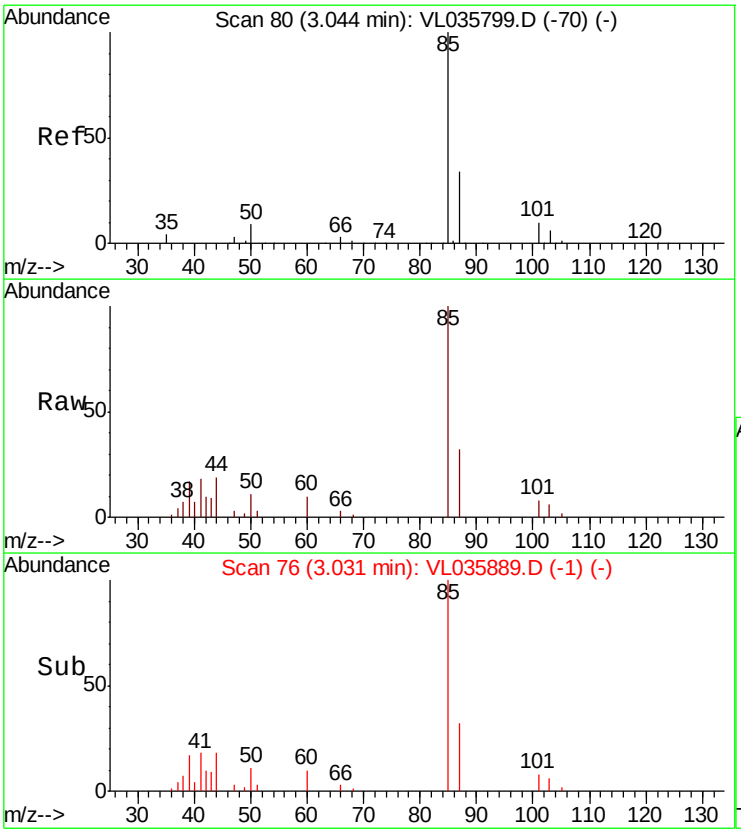
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 49 Resp: 956993

Ion	Ratio	Lower	Upper
49	100		
128	79.0	41.5	124.6
130	100.5	53.7	161.1

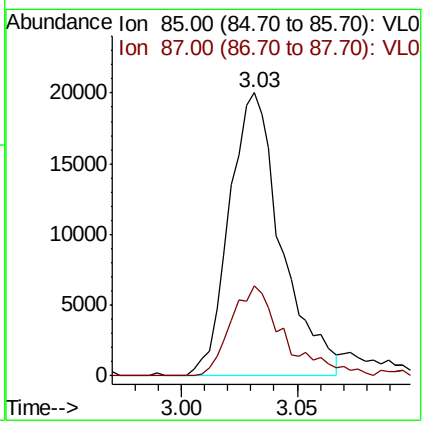


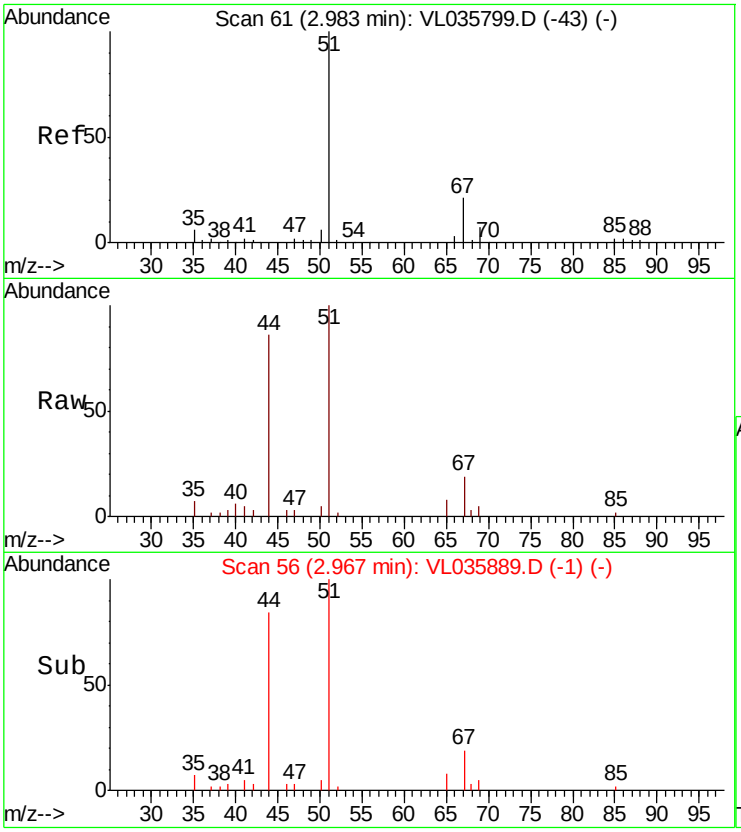


#2
Dichlorodifluoromethane
Concen: 0.174 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 85 Resp: 31336

Ion	Ratio	Lower	Upper
85	100		
87	31.9	27.1	40.7



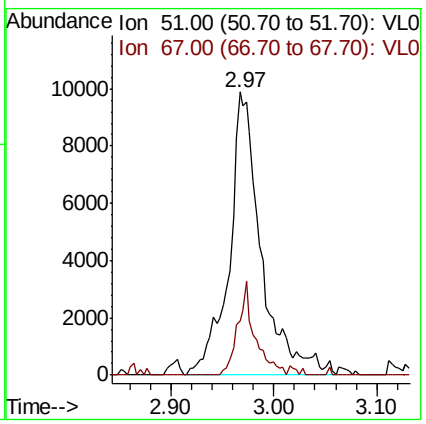


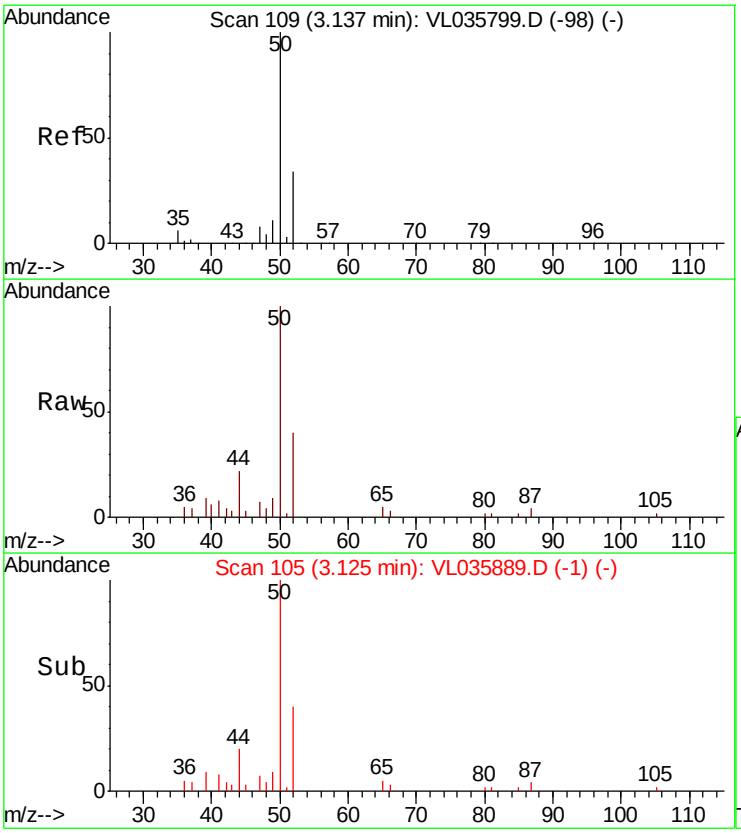
#3
Chlorodifluoromethane
Concen: 0.187 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 51 Resp: 21436

Ion	Ratio	Lower	Upper
51	100		
67	18.7	17.0	25.4

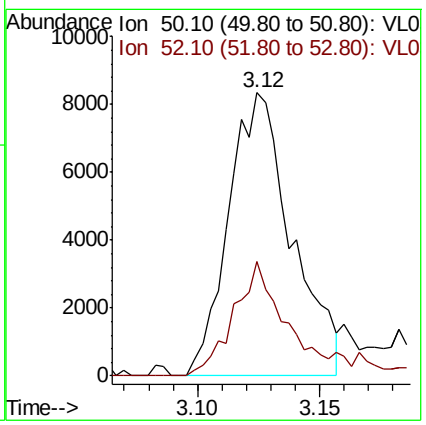


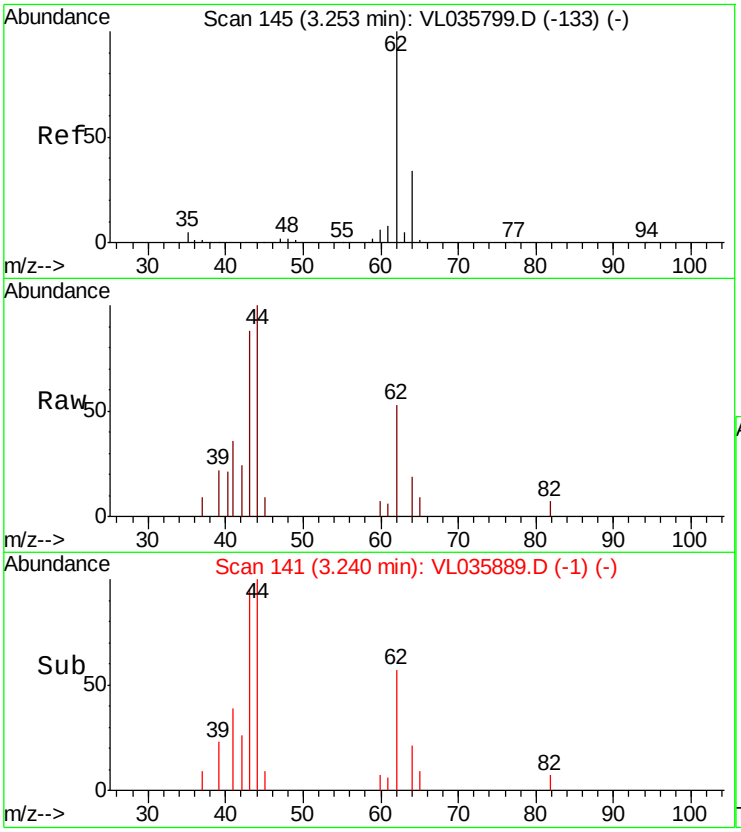


#4
Chloromethane
Concen: 0.269 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 50 Resp: 14985

Ion	Ratio	Lower	Upper
50	100		
52	40.2	27.1	40.7



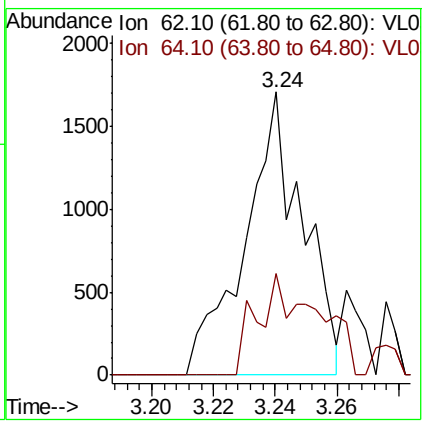


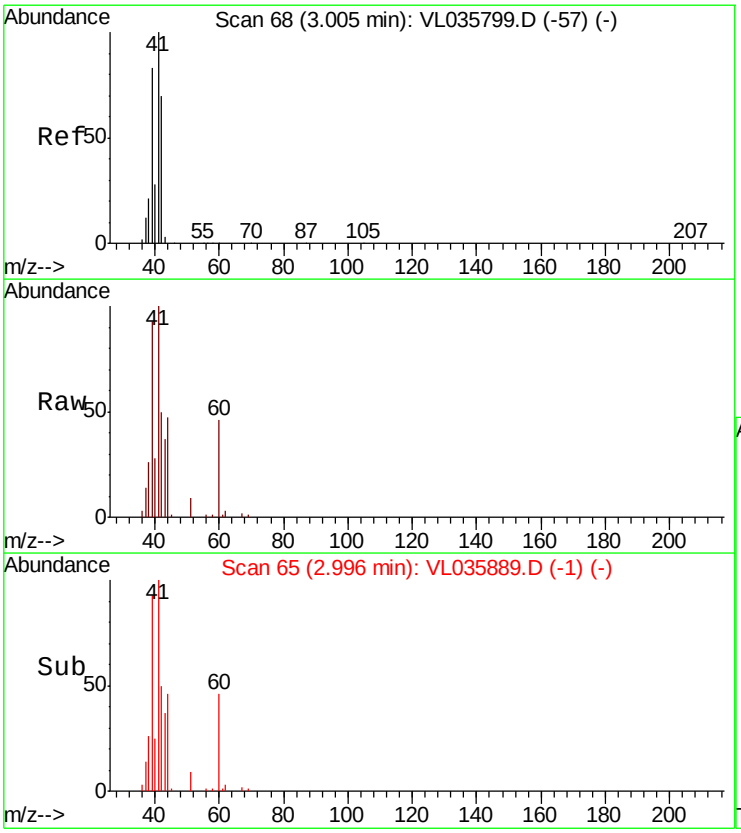
#5
Vinyl Chloride
Concen: 0.031 ppbv
RT: 3.24 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument : MSVOA_L
ClientSampleId : SSSG-1

Tgt Ion: 62 Resp: 2214

Ion	Ratio	Lower	Upper
62	100		
64	36.0	26.9	40.3

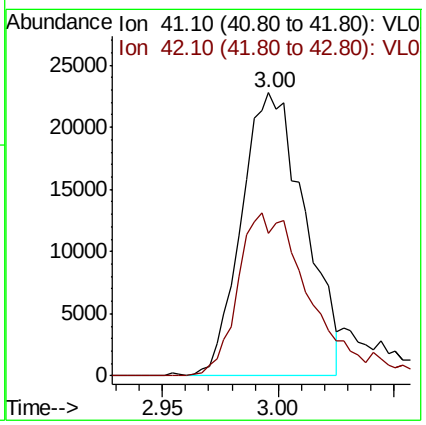


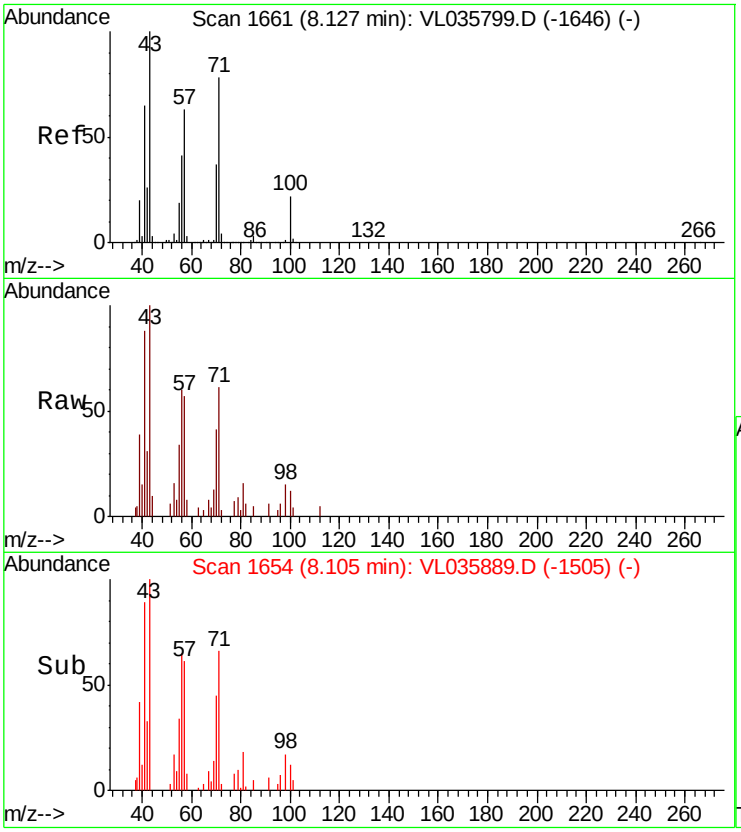


#9
Propene
Concen: 1.032 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 41 Resp: 43296

Ion	Ratio	Lower	Upper
41	100		
42	68.6	56.2	84.4



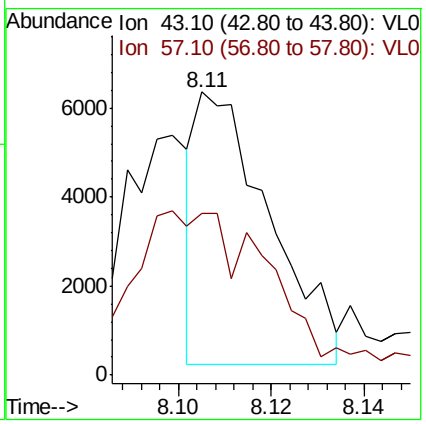


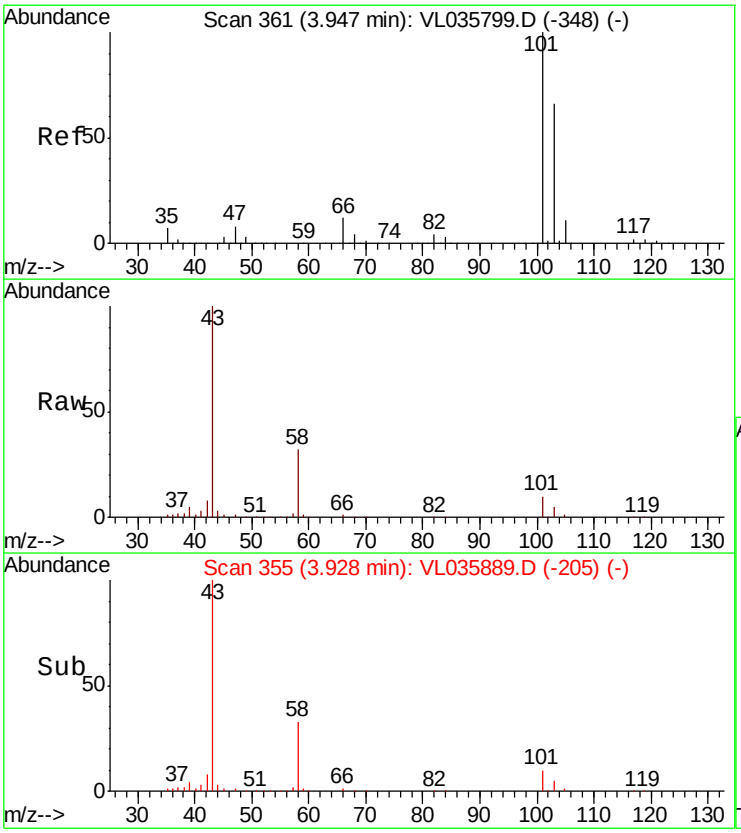
#10
Heptane
Concen: 0.058 ppbv
RT: 8.11 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 43 Resp: 6732

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.0	75.0#

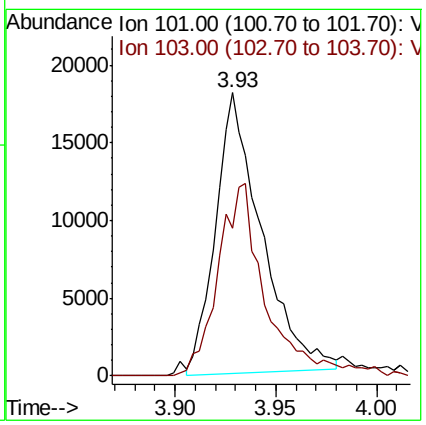


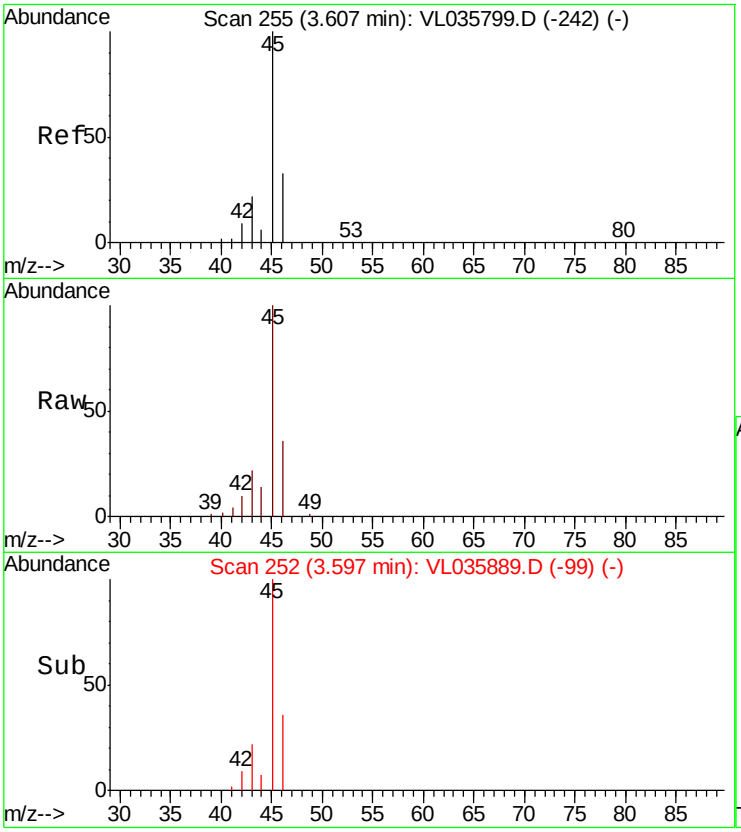


#11
Trichlorofluoromethane
Concen: 0.127 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion:101 Resp: 28747

Ion	Ratio	Lower	Upper
101	100		
103	51.2	53.0	79.4#



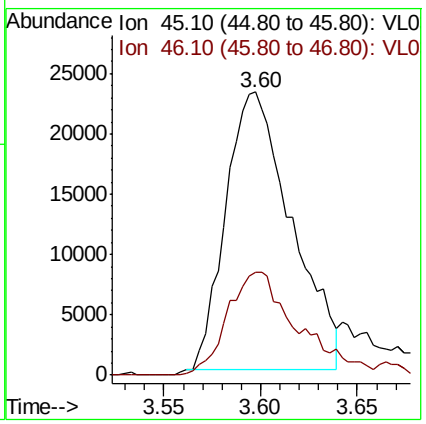


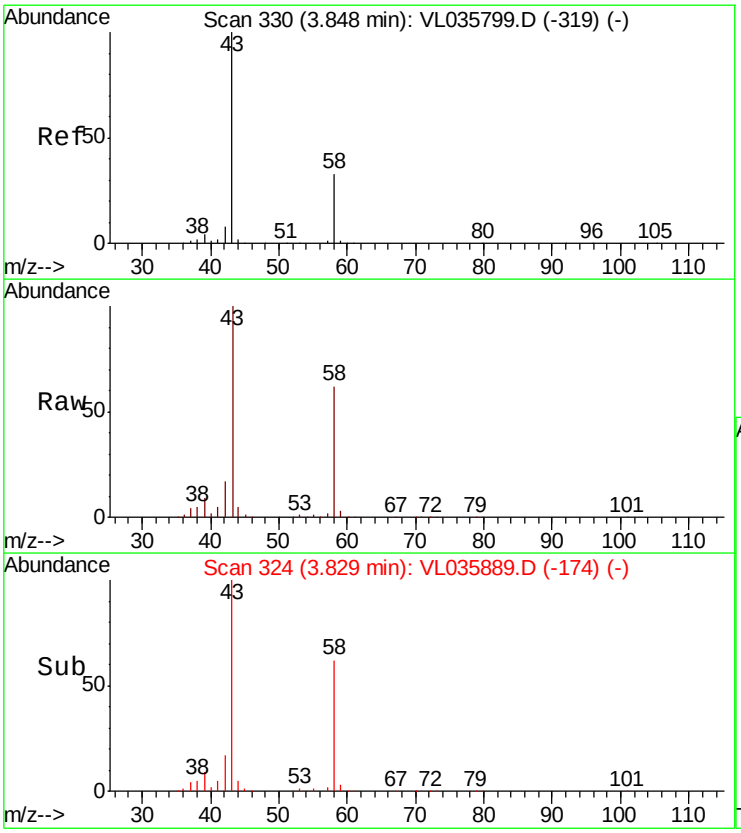
#13
Ethanol
Concen: 5.991 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 45 Resp: 54517

Ion	Ratio	Lower	Upper
45	100		
46	42.0	16.1	64.5

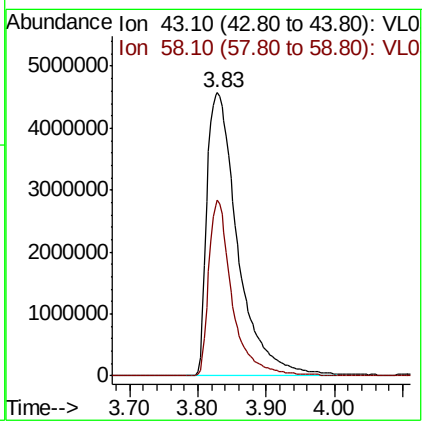


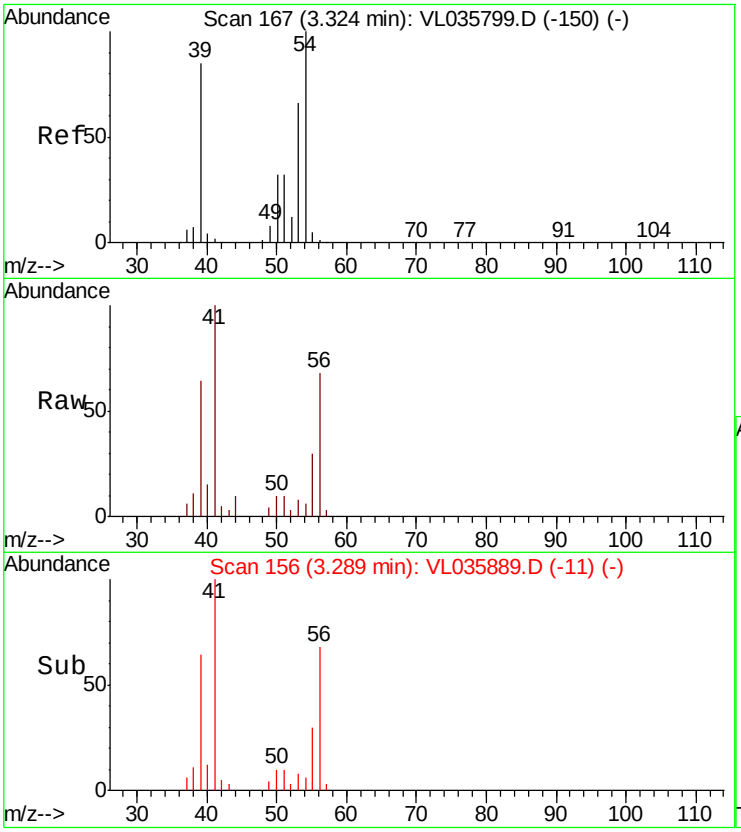


#15
Acetone
Concen: 140.449 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 43 Resp:14369506

Ion	Ratio	Lower	Upper
43	100		
58	47.4	27.5	41.3#



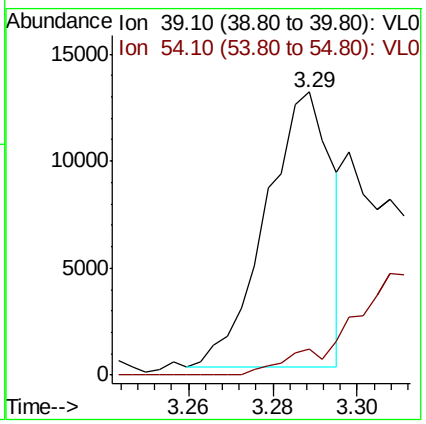


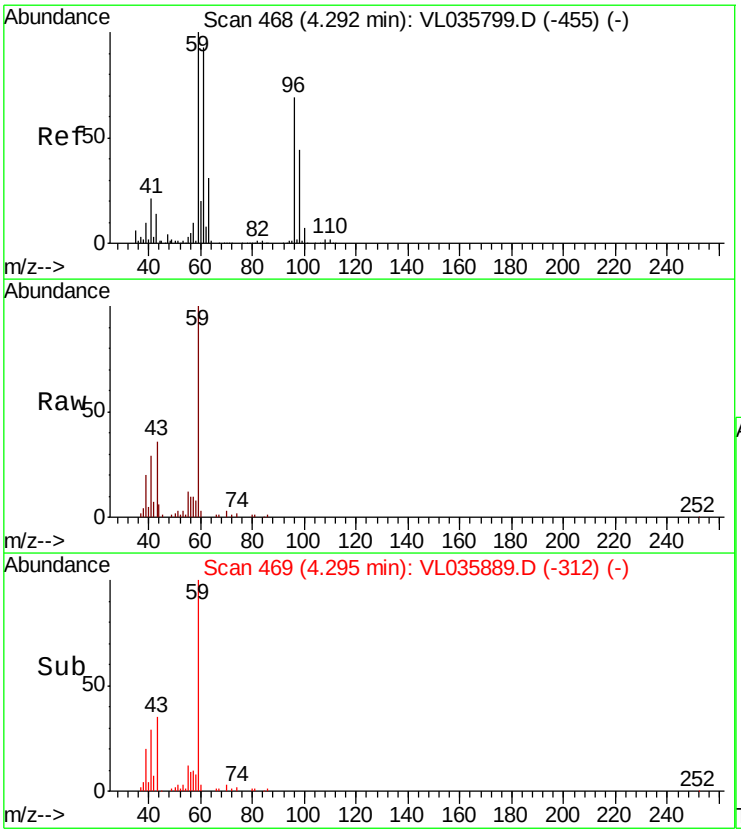
#16
1,3-Butadiene
Concen: 0.316 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.04 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 39 Resp: 13939

Ion	Ratio	Lower	Upper
39	100		
54	68.6	87.1	130.7#

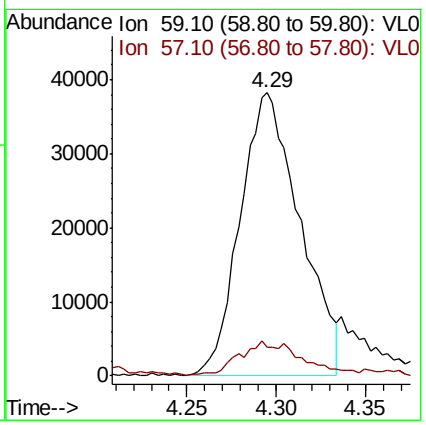


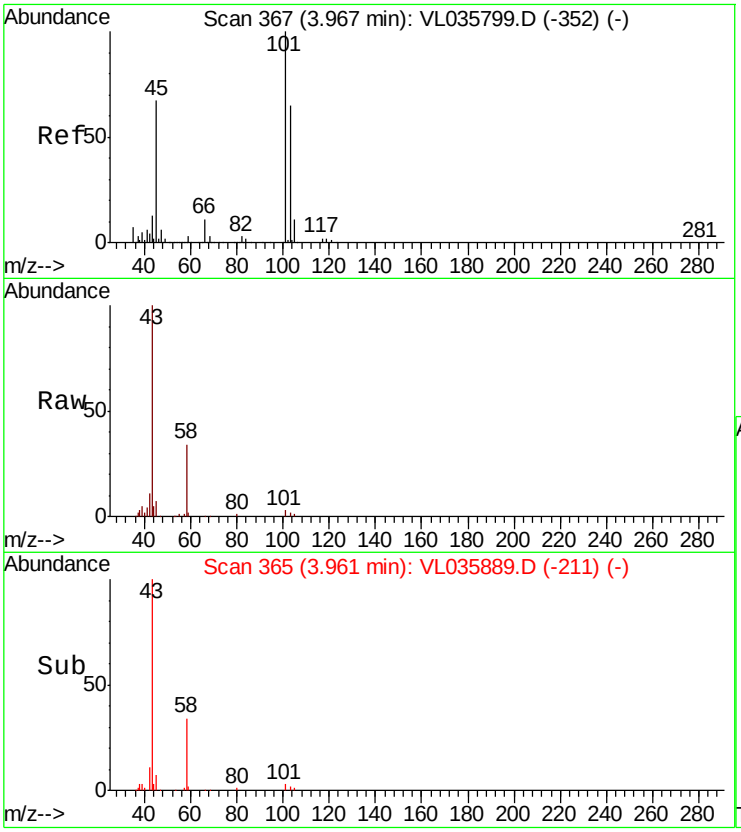


#17
tert-Butyl alcohol
Concen: 0.661 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 59 Resp: 89690

Ion	Ratio	Lower	Upper
59	100		
57	14.4	8.2	12.4#



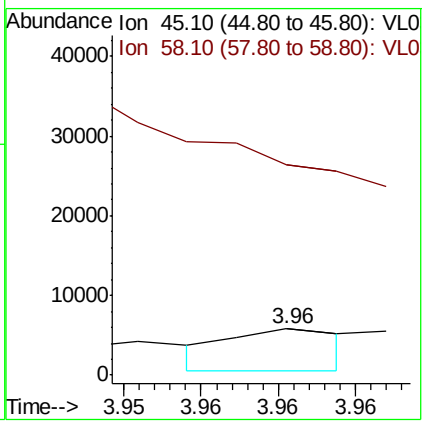


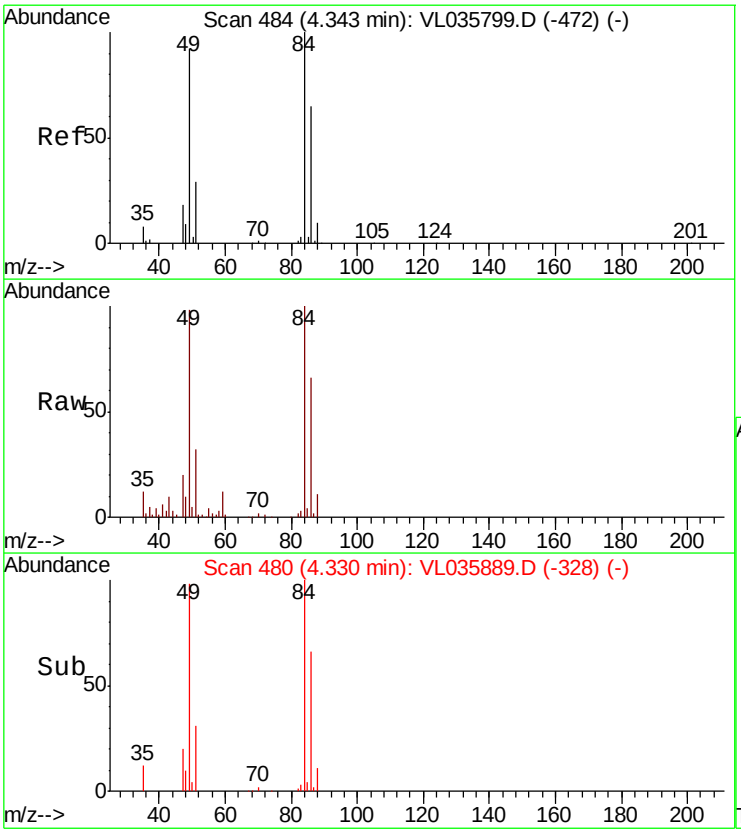
#19
Isopropyl Alcohol
Concen: 0.043 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 45 Resp: 2699

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#

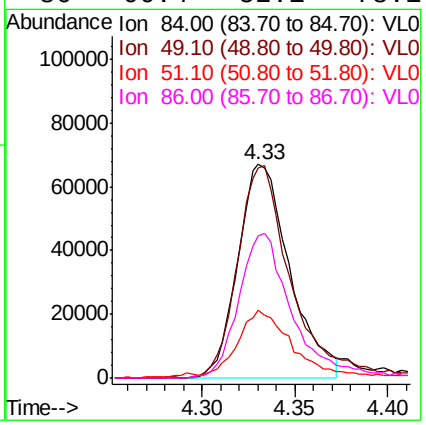


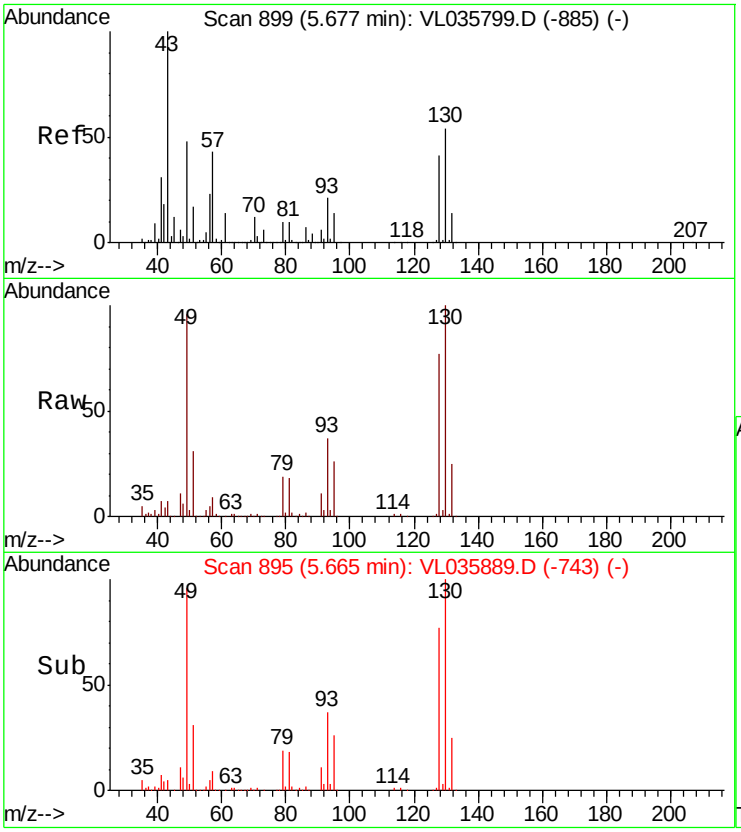


#20
Methylene Chloride
Concen: 1.812 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 84 Resp: 130494

Ion	Ratio	Lower	Upper
84	100		
49	97.9	73.8	110.8
51	29.8	23.0	34.4
86	66.4	52.1	78.1



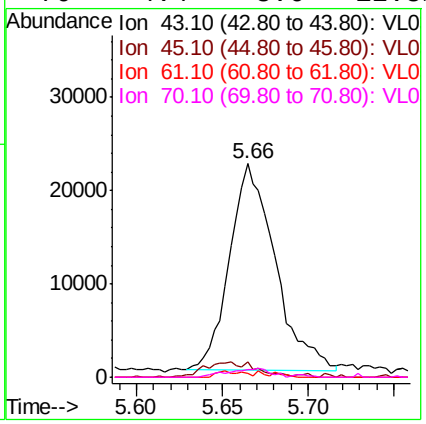


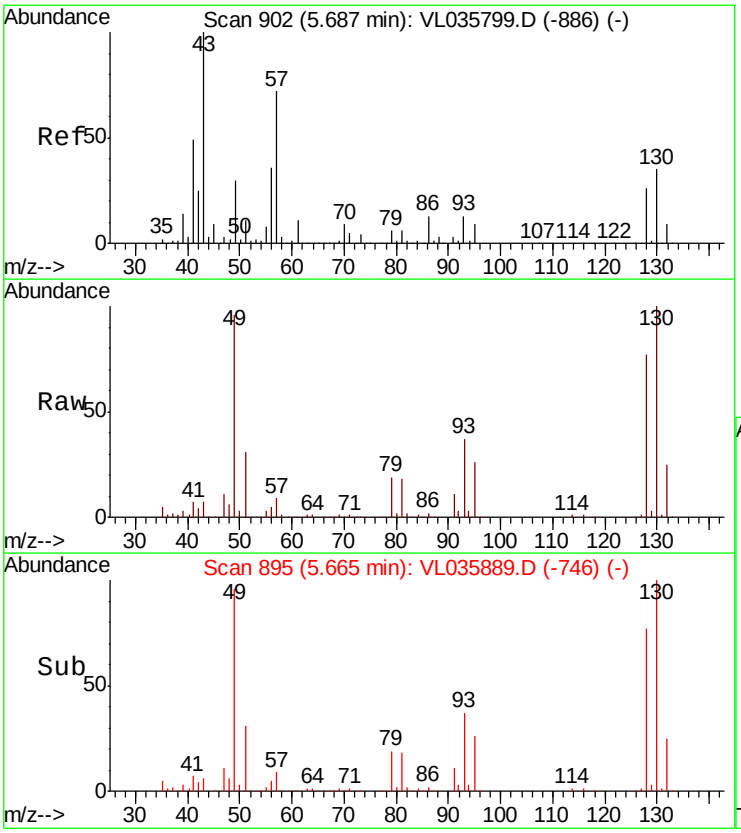
#25
Ethyl Acetate
Concen: 0.203 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument : MSVOA_L
ClientSampleId : SSSG-1

Tgt Ion: 43 Resp: 40843

Ion	Ratio	Lower	Upper
43	100		
45	9.3	8.5	12.7
61	2.8	10.7	16.1#
70	4.4	8.6	12.8#

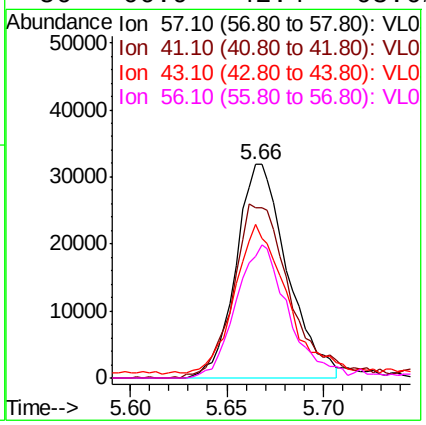


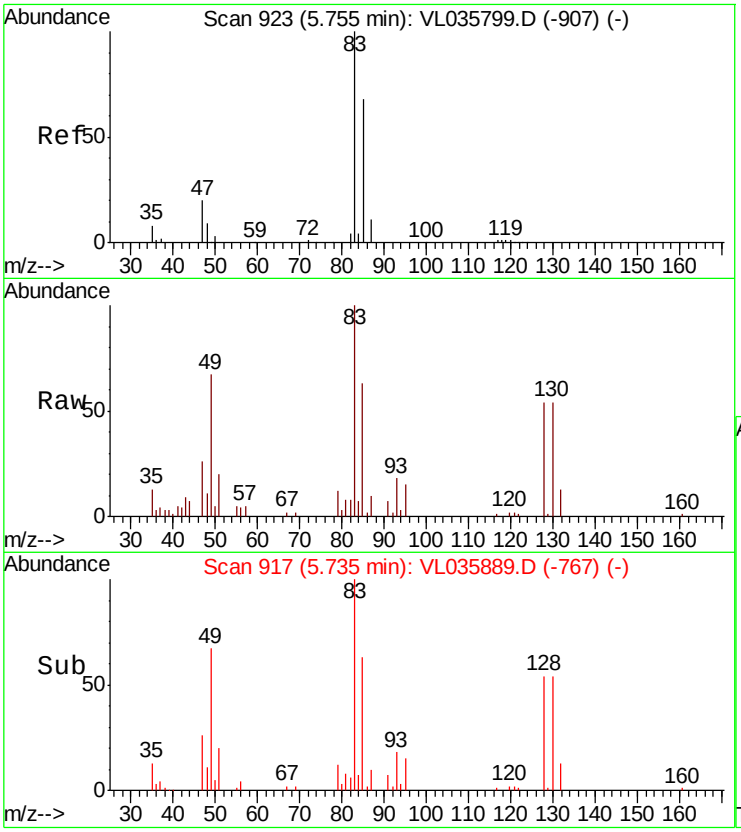


#26
Hexane
Concen: 0.528 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 57 Resp: 58687

Ion	Ratio	Lower	Upper
57	100		
41	91.4	58.9	88.3#
43	73.0	150.2	225.2#
56	66.9	42.4	63.6#



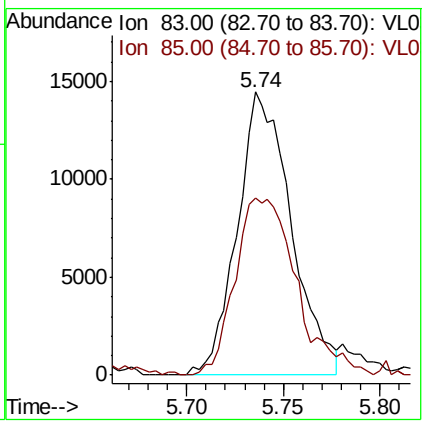


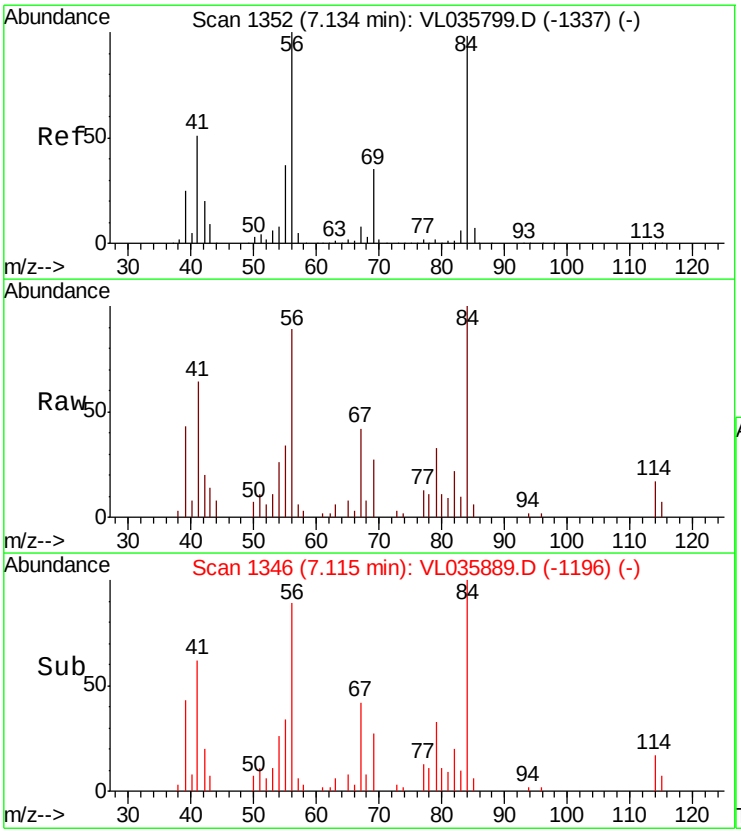
#29
Chloroform
Concen: 0.128 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 83 Resp: 28035

Ion	Ratio	Lower	Upper
83	100		
85	62.6	54.6	81.8

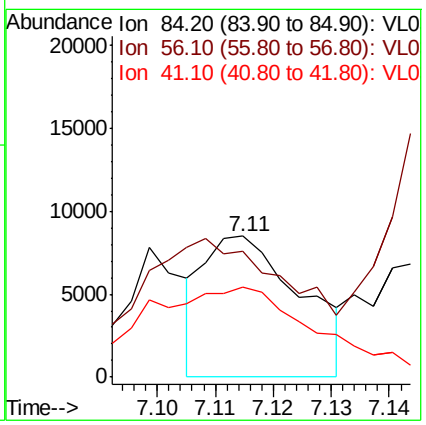


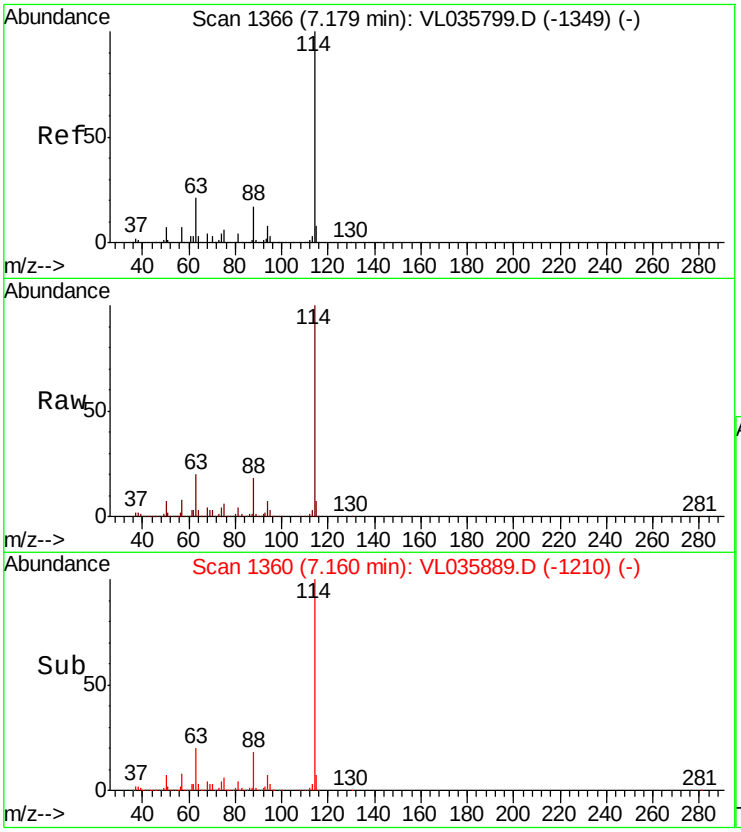


#30
Cyclohexane
Concen: 0.081 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 84 Resp: 9796

Ion	Ratio	Lower	Upper
84	100		
56	171.5	86.4	129.6#
41	128.7	42.1	63.1#



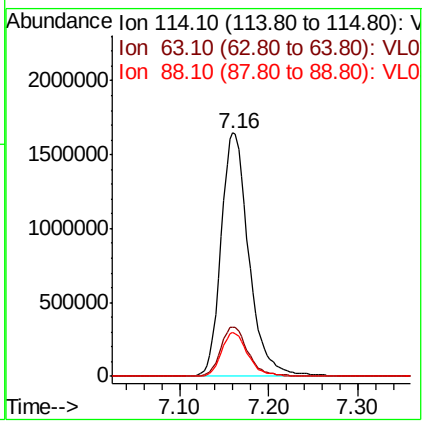


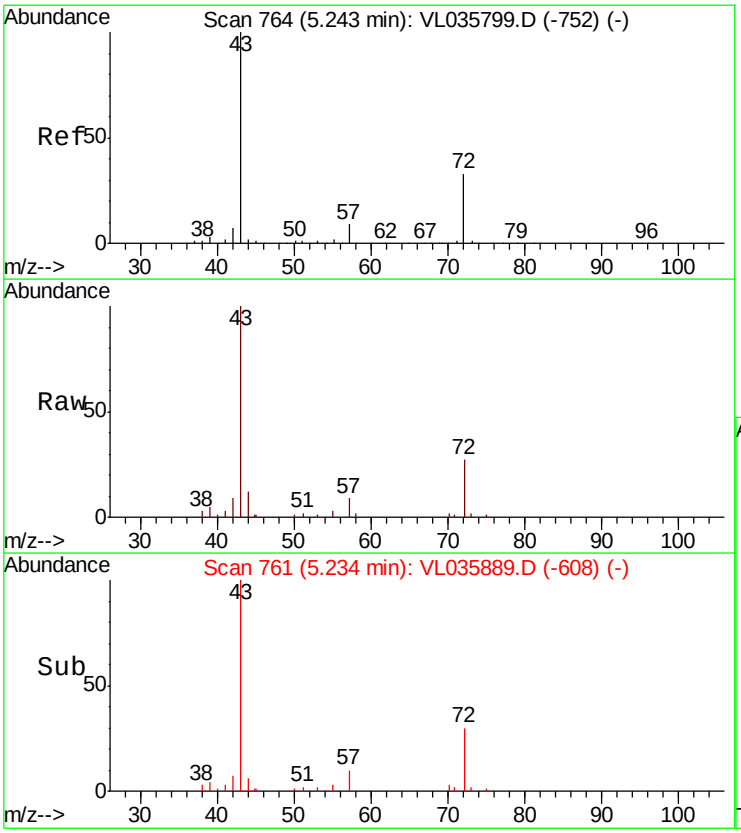
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion:114 Resp: 3546813

Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	17.3	13.7	20.5

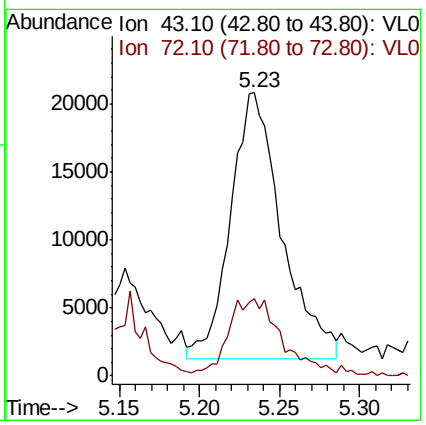


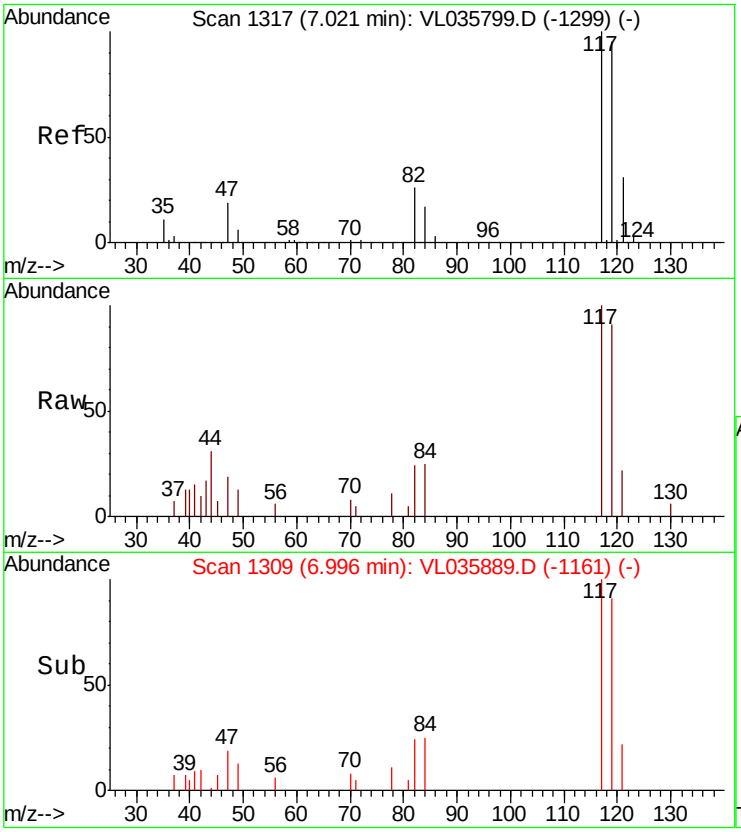


#34
2-Butanone
Concen: 0.372 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 43 Resp: 42802

Ion	Ratio	Lower	Upper
43	100		
72	31.6	26.5	39.7



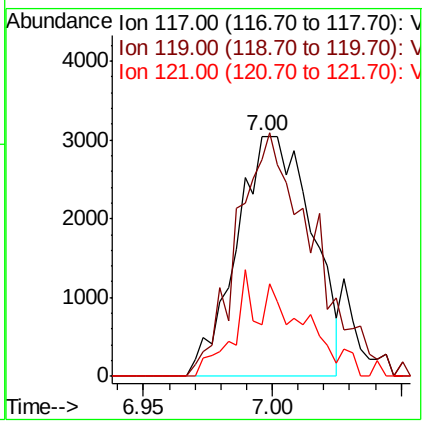


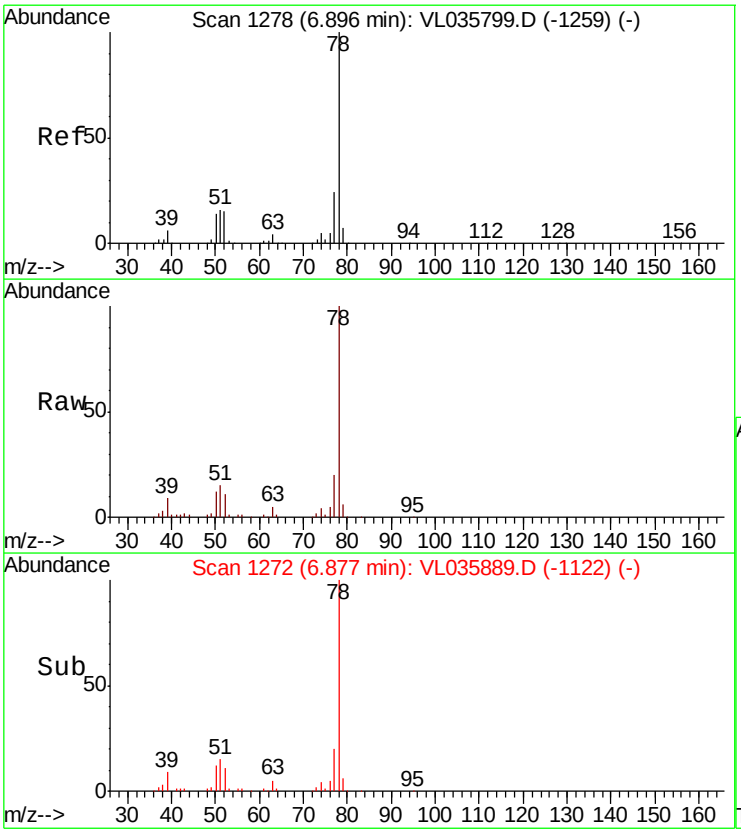
#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion:117 Resp: 6187

Ion	Ratio	Lower	Upper
117	100		
119	90.5	75.6	113.4
121	21.5	25.1	37.7#

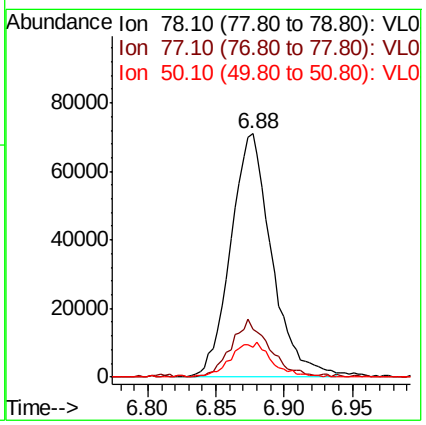


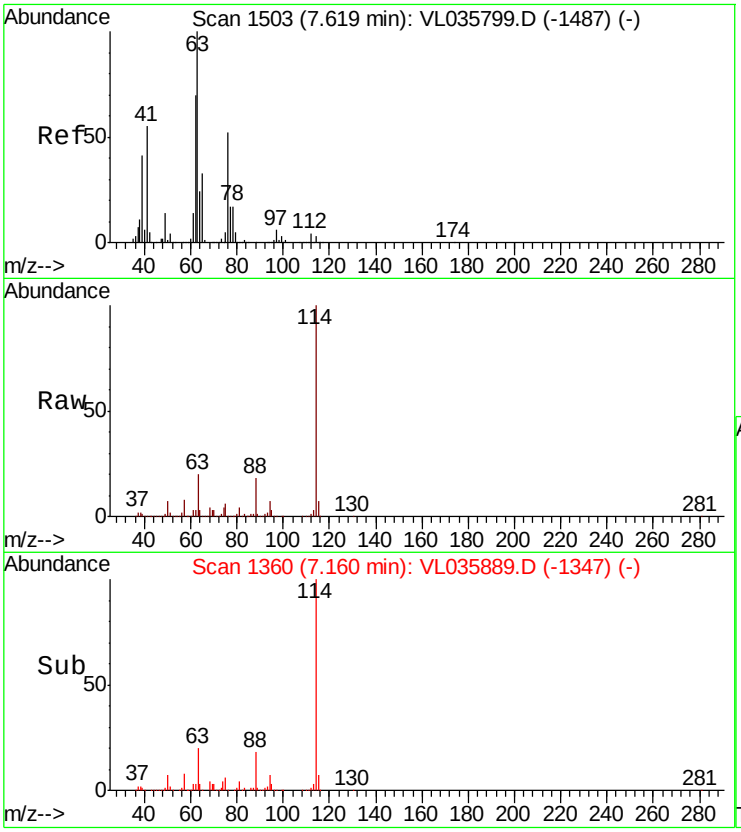


#36
Benzene
Concen: 0.563 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 78 Resp: 148401

Ion	Ratio	Lower	Upper
78	100		
77	19.6	19.3	28.9
50	12.2	11.4	17.2



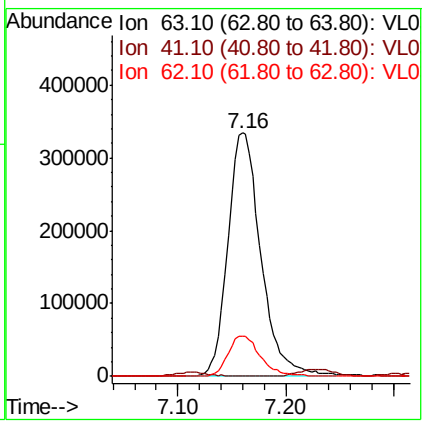


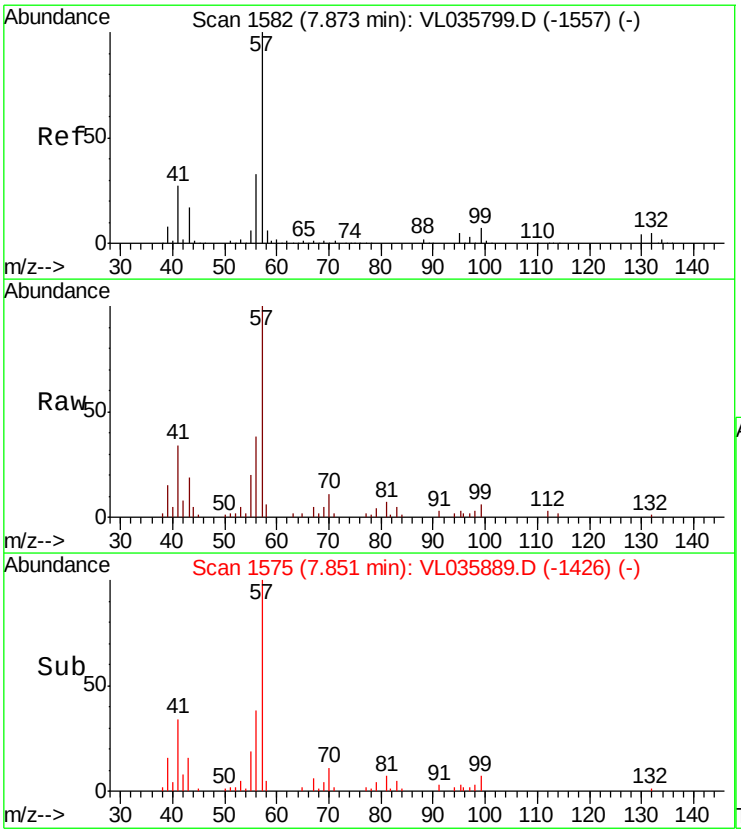
#39
1,2-Dichloropropane
Concen: 8.045 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.46 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 63 Resp: 714208

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

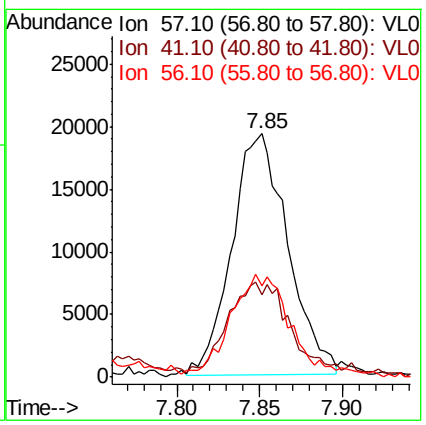


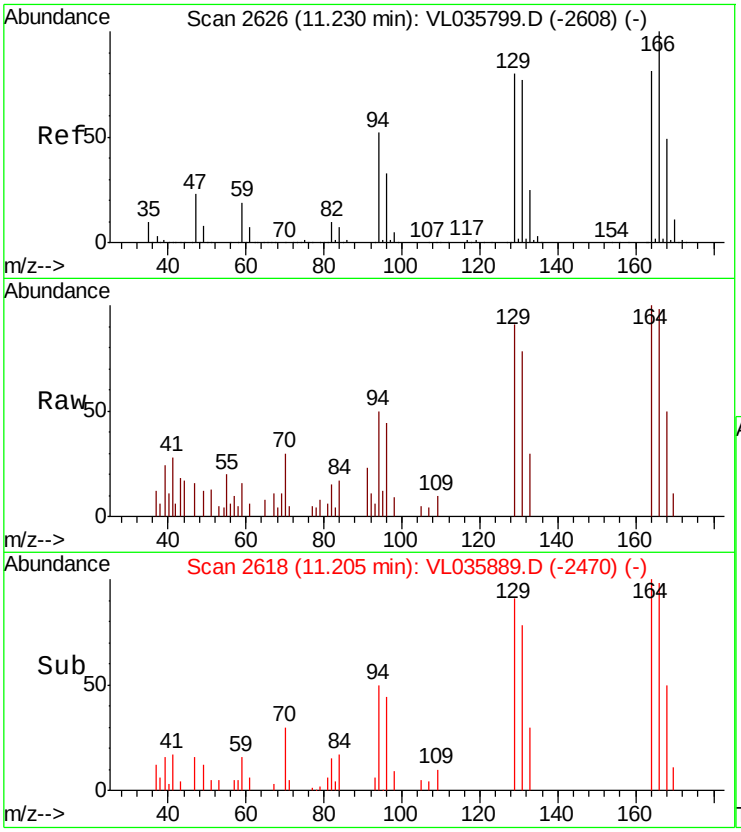


#44
2,2,4-Trimethylpentane
Concen: 0.130 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 57 Resp: 45389

Ion	Ratio	Lower	Upper
57	100		
41	43.4	21.0	31.4#
56	46.2	25.4	38.0#



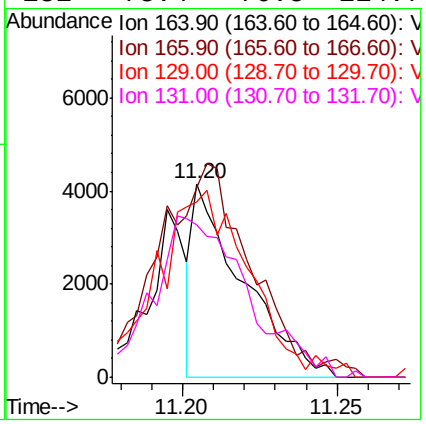


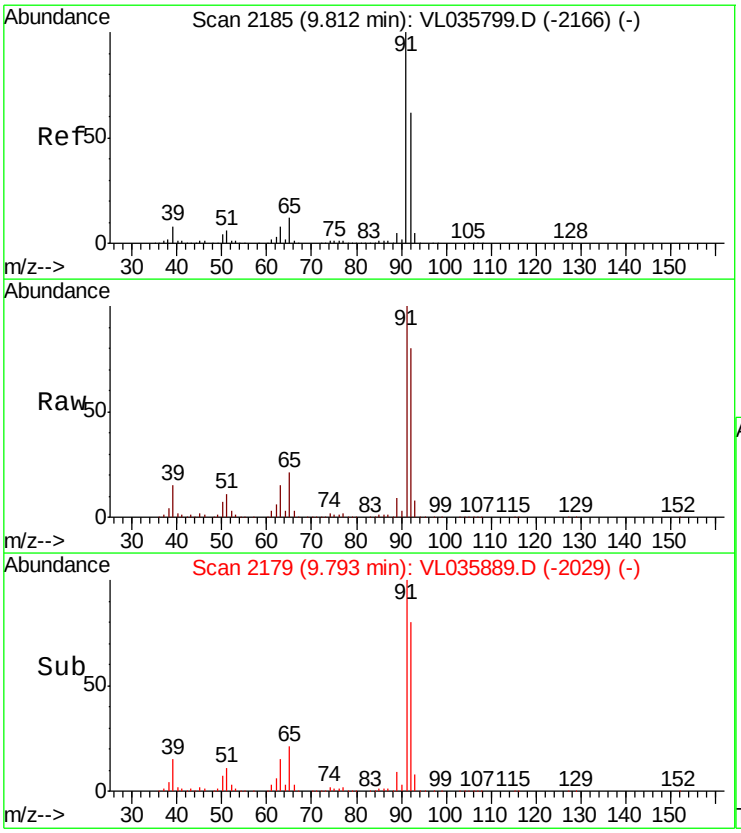
#52
Tetrachloroethene
Concen: 0.037 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument : MSVOA_L
ClientSampleId : SSSG-1

Tgt Ion:164 Resp: 4664

Ion	Ratio	Lower	Upper
164	100		
166	88.7	99.3	148.9#
129	86.5	79.3	118.9
131	78.4	76.5	114.7

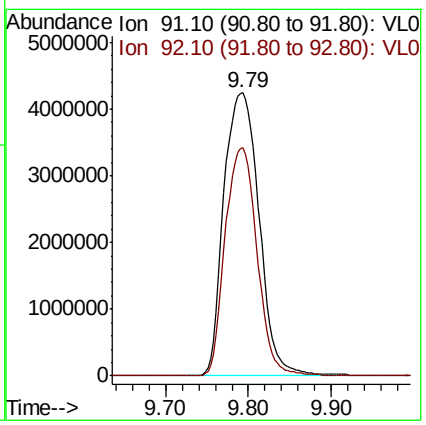


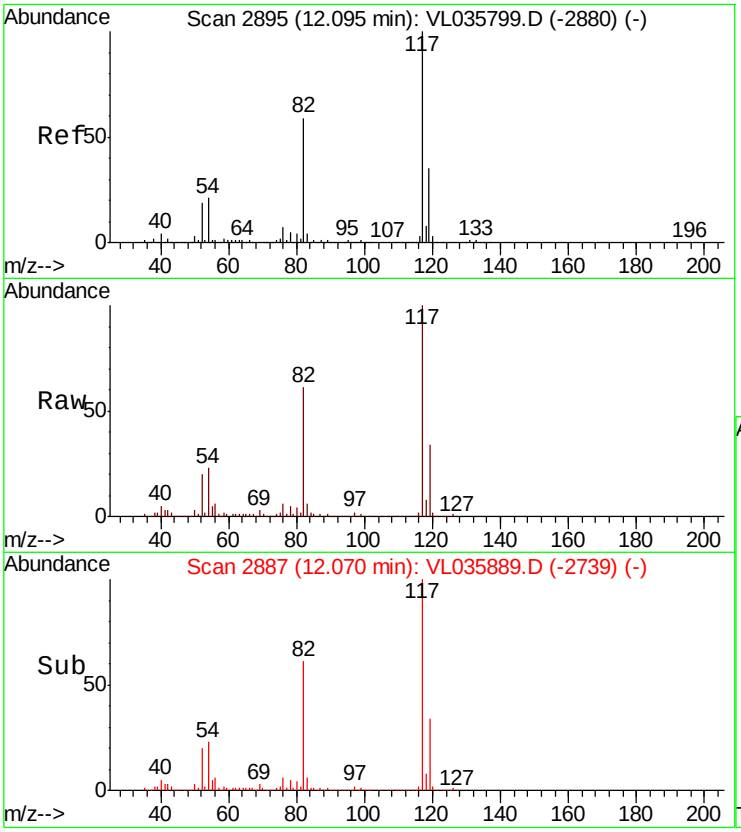


#53
Toluene
Concen: 39.392 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.02 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 91 Resp:12533274

Ion	Ratio	Lower	Upper
91	100		
92	73.3	49.8	74.6



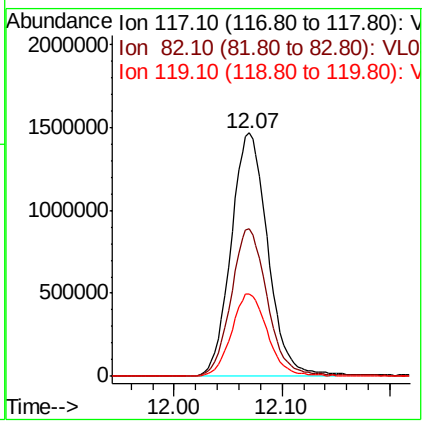


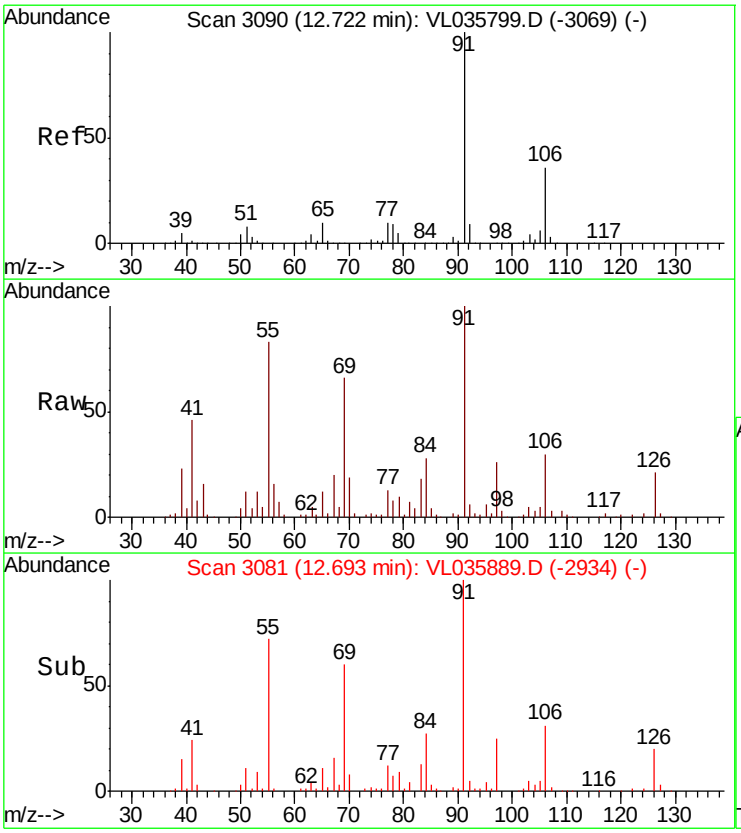
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion:117 Resp: 3471343

Ion	Ratio	Lower	Upper
117	100		
82	61.3	50.6	76.0
119	34.0	52.6	78.8#

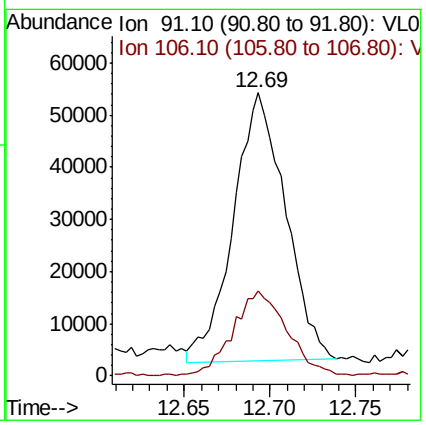


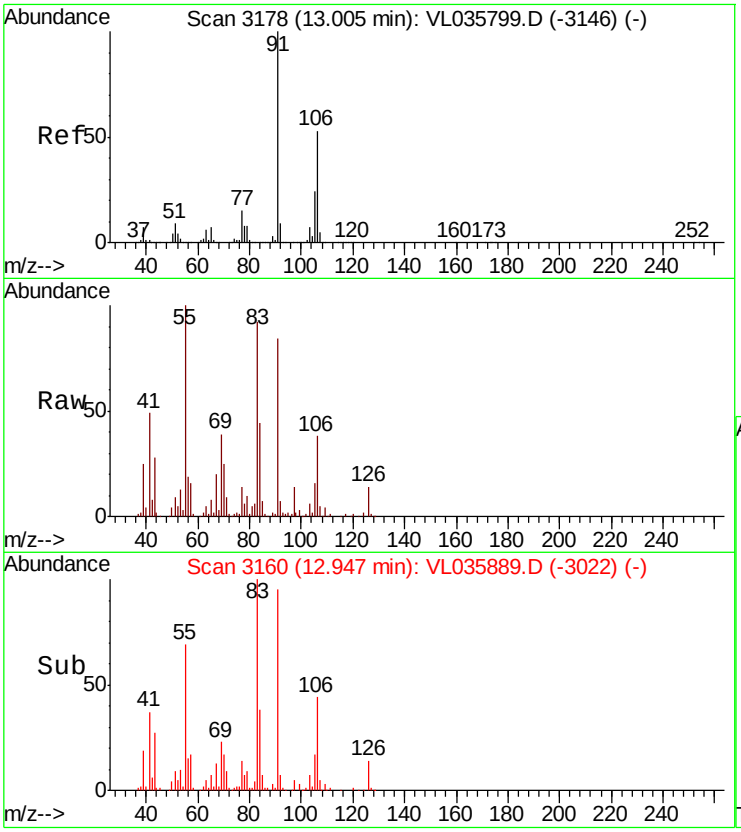


#58
Ethyl Benzene
Concen: 0.256 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 91 Resp: 108251

Ion	Ratio	Lower	Upper
91	100		
106	31.2	28.6	43.0



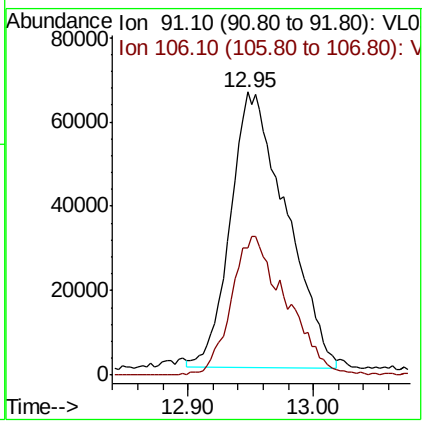


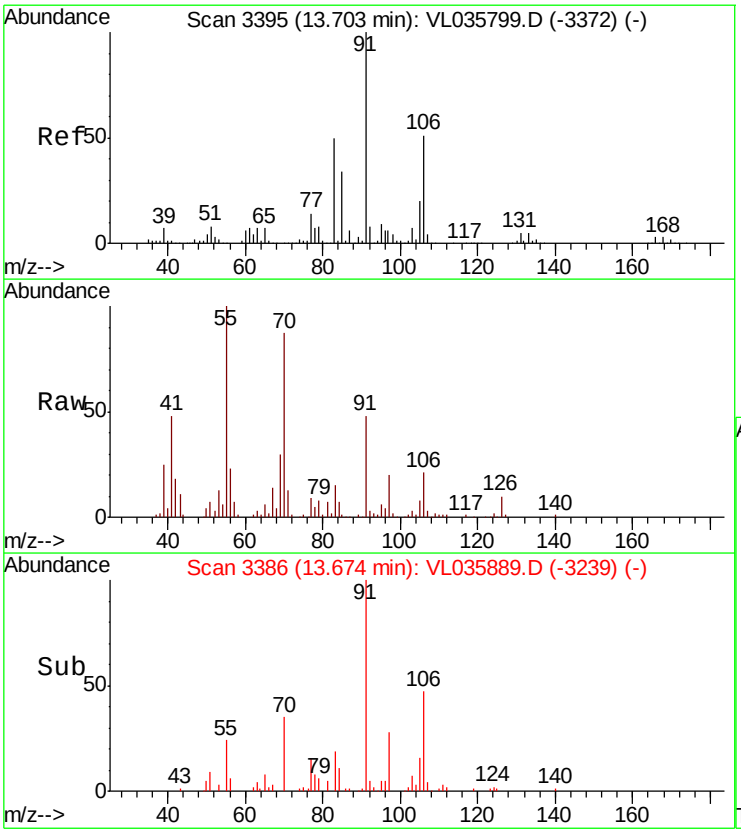
#59
m/p-Xylene
Concen: 0.564 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.06 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 91 Resp: 201747

Ion	Ratio	Lower	Upper
91	100		
106	50.4	39.5	59.3

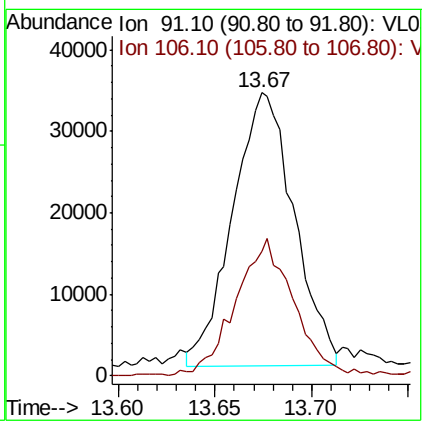


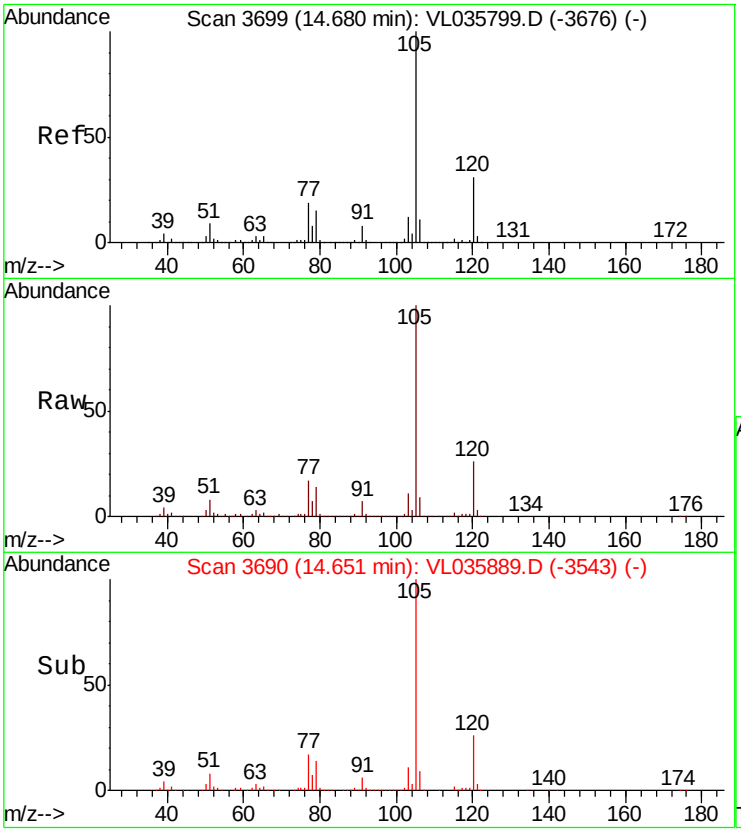


#60
o-Xylene
Concen: 0.213 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 91 Resp: 74033

Ion	Ratio	Lower	Upper
91	100		
106	48.9	24.8	74.4



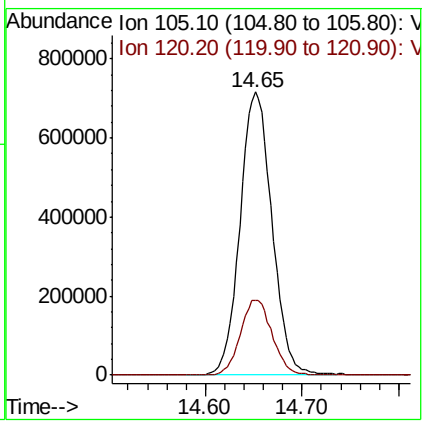


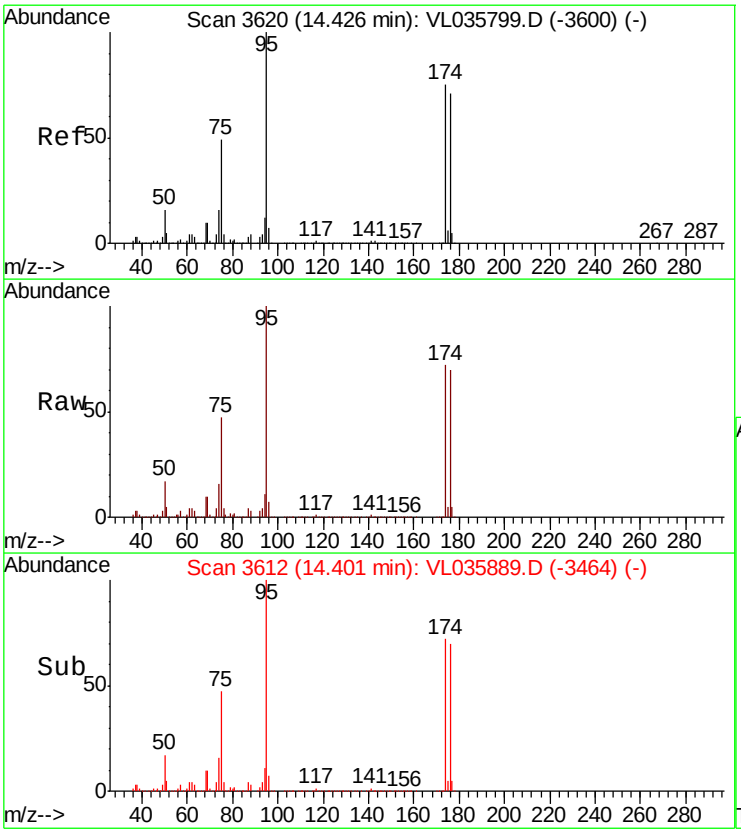
#62
Isopropylbenzene
Concen: 3.002 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion:105 Resp: 1641739

Ion	Ratio	Lower	Upper
105	100		
120	26.7	23.5	35.3

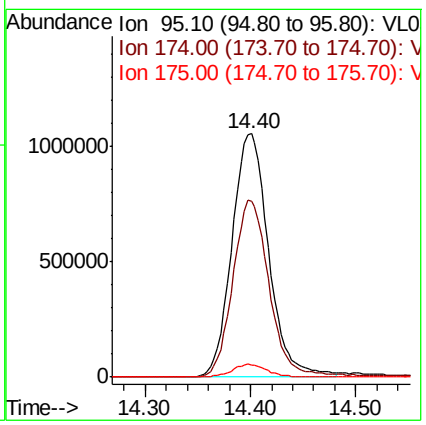


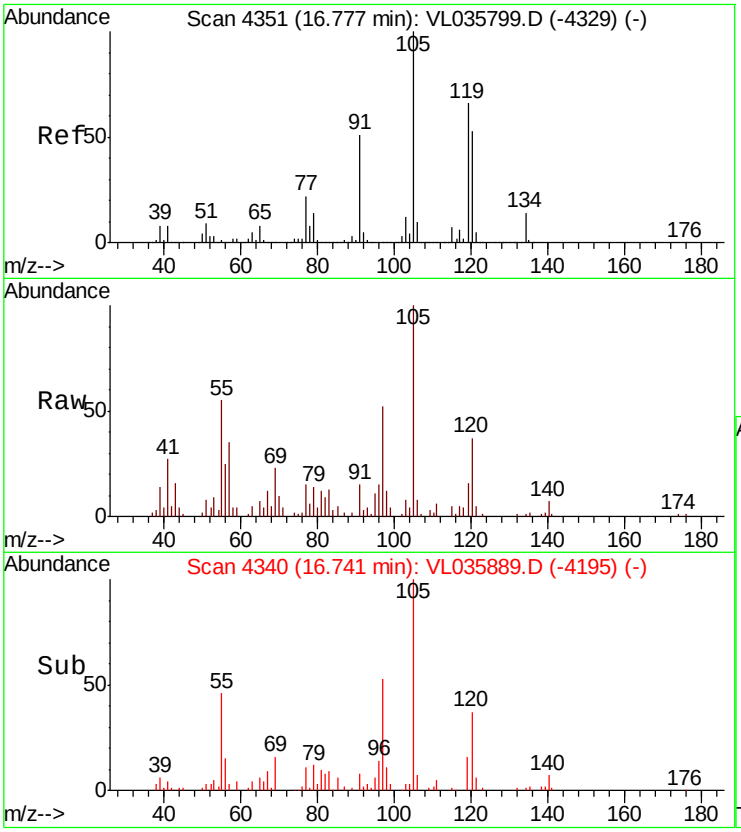


#68
1-Bromo-4-Fluorobenzene
Concen: 10.340 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.03 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Tgt Ion: 95 Resp: 2550125

Ion	Ratio	Lower	Upper
95	100		
174	73.7	59.8	89.6
175	5.2	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.125 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.04 min
Lab File: VL035889.D
Acq: 6 Nov 2020 10:43

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion:105 Resp: 51553

Ion	Ratio	Lower	Upper
105	100		
120	37.2	42.0	63.0#
91	10.4	41.0	61.6#
77	11.0	17.3	25.9#