Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035764.D
Acq On : 12 Oct 2020 16:38
Operator : SY/AP
Sample : L4347-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 3

Quant Time: Oct 13 00:04:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1015532	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.17	114	3961375	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.09	117	3901045	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2906627	9.94	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	54767	0.329	ppbv		95
3) Chlorodifluoromethane	2.98	51	108906	0.997	ppbv	#	75
4) Chloromethane	3.13	50	80472	1.371	ppbv		98
9) Propene	3.01	41	40980	1.033	ppbv	#	78
10) Heptane	8.12	43	16544	0.150	ppbv	#	19
11) Trichlorofluoromethane	3.94	101	64625	0.272	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.48	101	14800	0.084	ppbv		97
13) Ethanol	3.59	45	536426	54.836	ppbv		98
15) Acetone	3.84	43	1194144	10.928	ppbv		95
16) 1,3-Butadiene	3.30	39	3982	0.100	ppbv	#	1
17) tert-Butyl alcohol	4.30	59	4940	0.042	ppbv	#	72
19) Isopropyl Alcohol	3.96	45	282429	4.751	ppbv	#	1
20) Methylene Chloride	4.34	84	429447	5.350	ppbv		97
21) Allyl Chloride	4.33	41	3470	0.066	ppbv	#	68
23) Vinyl Acetate	5.06	43	74734	0.558	ppbv	#	59
25) Ethyl Acetate	5.68	43	286215	1.456	ppbv	#	86
26) Hexane	5.68	57	333549	3.096	ppbv	#	62
27) Carbon Disulfide	4.54	76	5224	0.033	ppbv	#	28
29) Chloroform	5.74	83	27942	0.128	ppbv		99
30) Cyclohexane	7.13	84	6742	0.063	ppbv	#	10
34) 2-Butanone	5.24	43	77816	0.594	ppbv		100
35) Carbon Tetrachloride	7.01	117	16687	0.081	ppbv		99
36) Benzene	6.89	78	48254	0.187	ppbv	#	95
39) 1,2-Dichloropropane	7.17	63	771482	8.246	ppbv	#	30
41) Tetrahydrofuran	6.31	42	2557	0.039	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.87	57	87271	0.236	ppbv	#	87
52) Tetrachloroethene	11.22	164	5131	0.041	ppbv		90
53) Toluene	9.81	91	1750241	5.750	ppbv		98
58) Ethyl Benzene	12.72	91	43922	0.112	ppbv		91
59) m/p-Xylene	13.01	91	12004	0.035	ppbv	#	26
60) o-Xylene	13.69	91	15350	0.044	ppbv	#	27
61) Styrene	13.54	104	11844	0.050	ppbv	#	66
74) 1,2,4-Trimethylbenzene	16.77	105	18595	0.043	ppbv	#	77

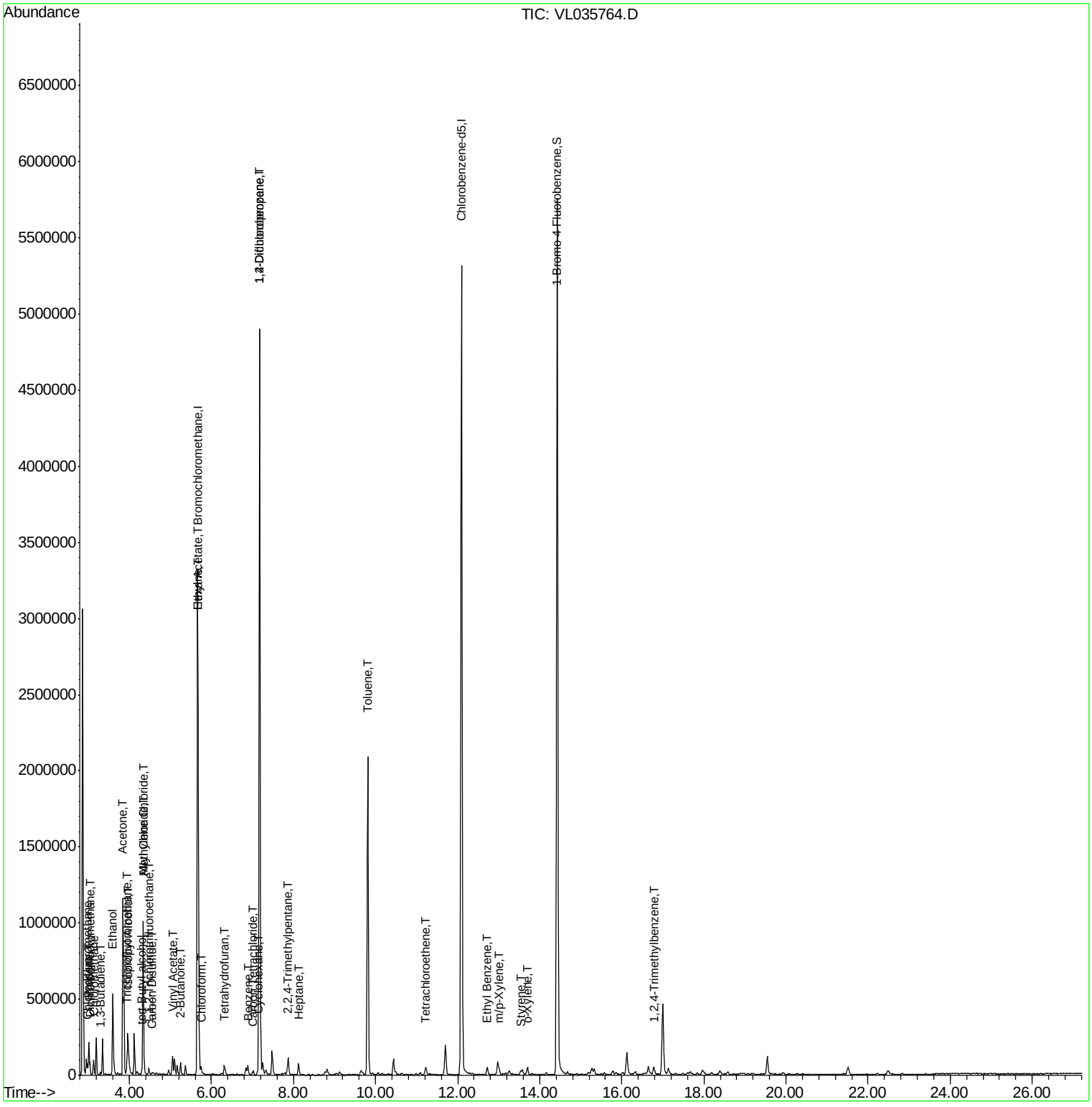
(#) = qualifier out of range (m) = manual integration (+) = signals summed

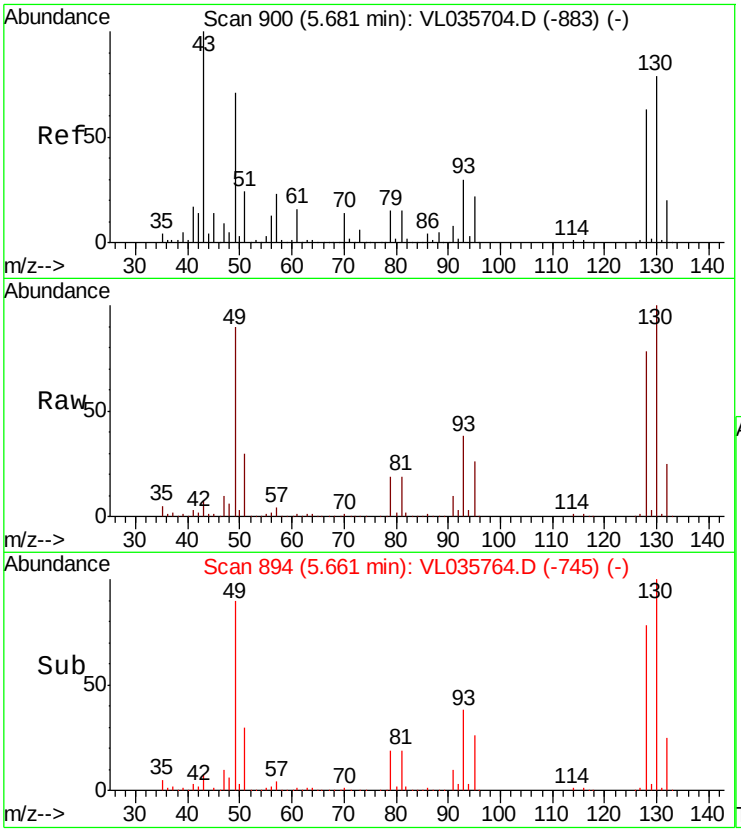
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035764.D
Acq On : 12 Oct 2020 16:38
Operator : SY/AP
Sample : L4347-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 3

Quant Time: Oct 13 00:04:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration



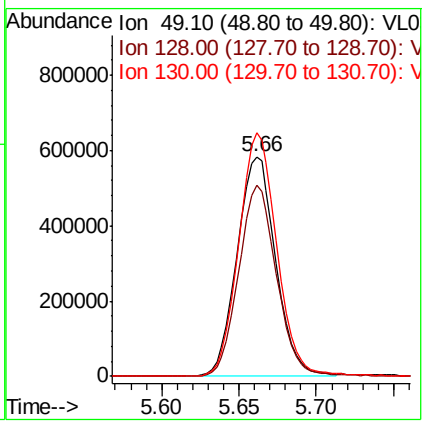


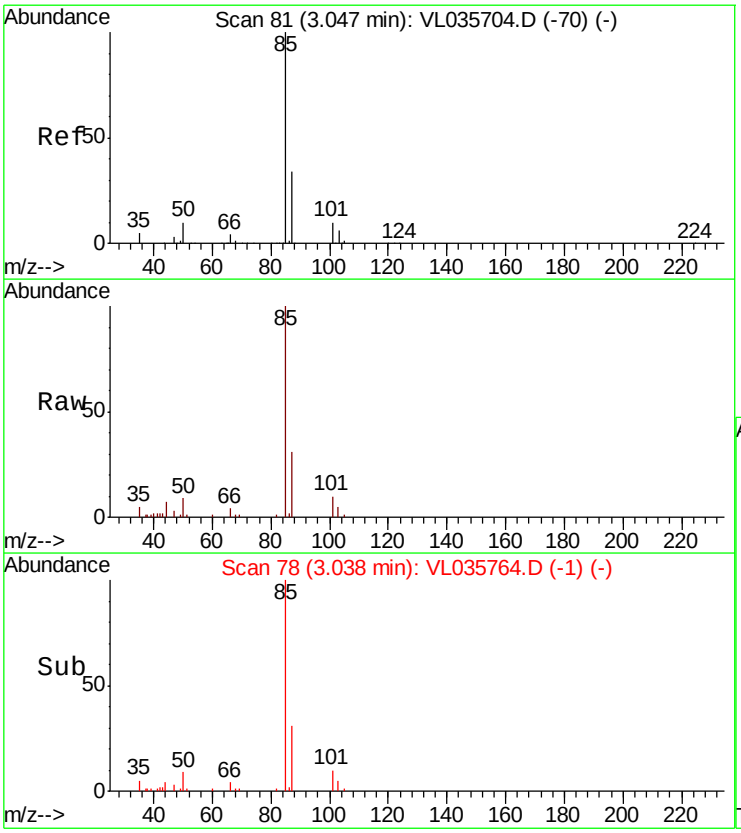
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 49 Resp: 1015532

Ion	Ratio	Lower	Upper
49	100		
128	85.3	43.1	129.4
130	109.9	54.9	164.7

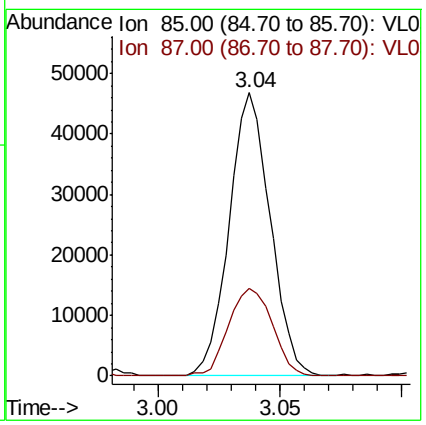


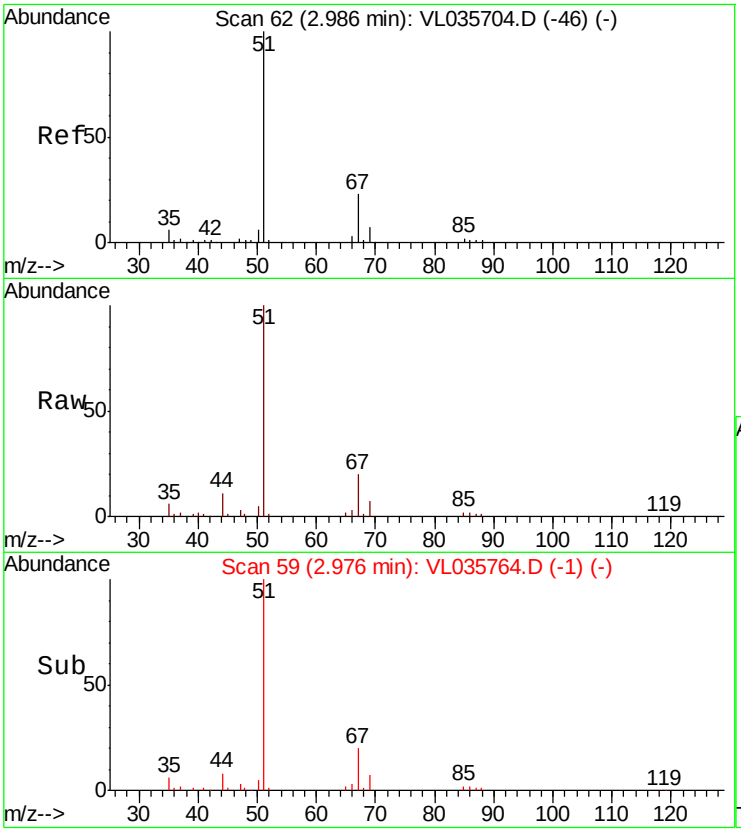


#2
Dichlorodifluoromethane
Concen: 0.329 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 85 Resp: 54767

Ion	Ratio	Lower	Upper
85	100		
87	31.0	27.3	40.9



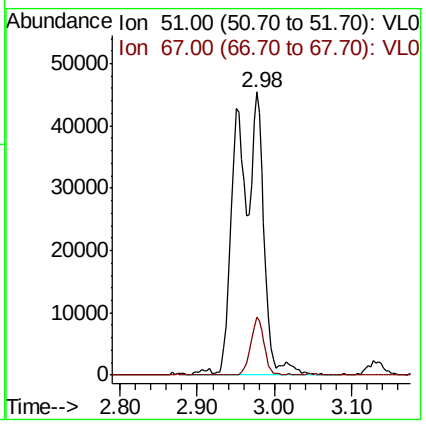


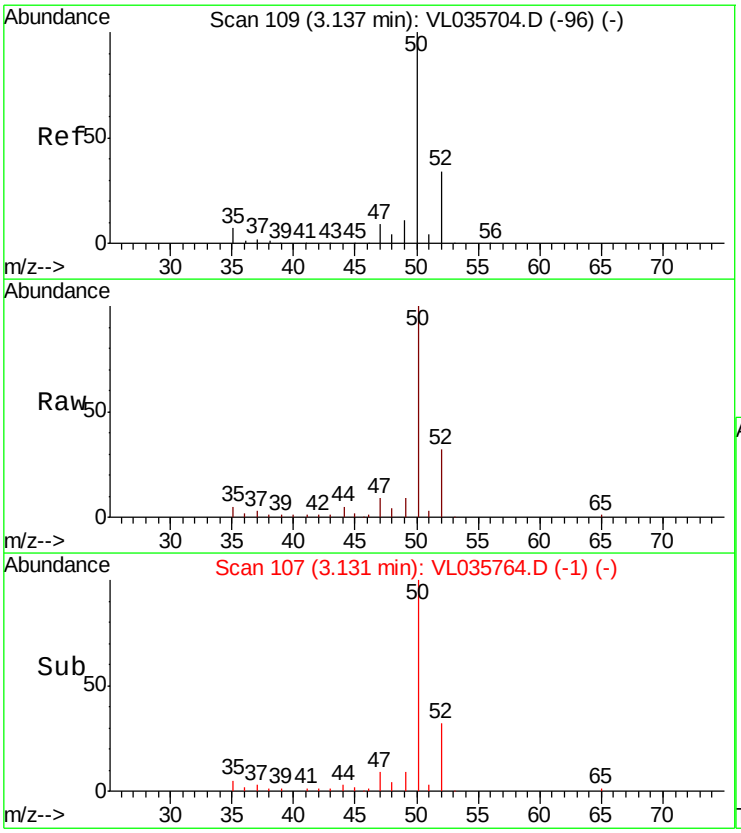
#3
Chlorodifluoromethane
Concen: 0.997 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 51 Resp: 108906

Ion	Ratio	Lower	Upper
51	100		
67	10.4	17.8	26.8#

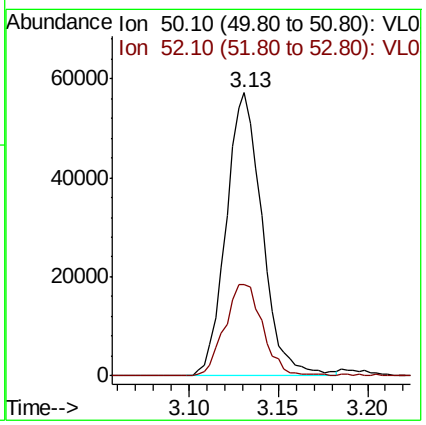


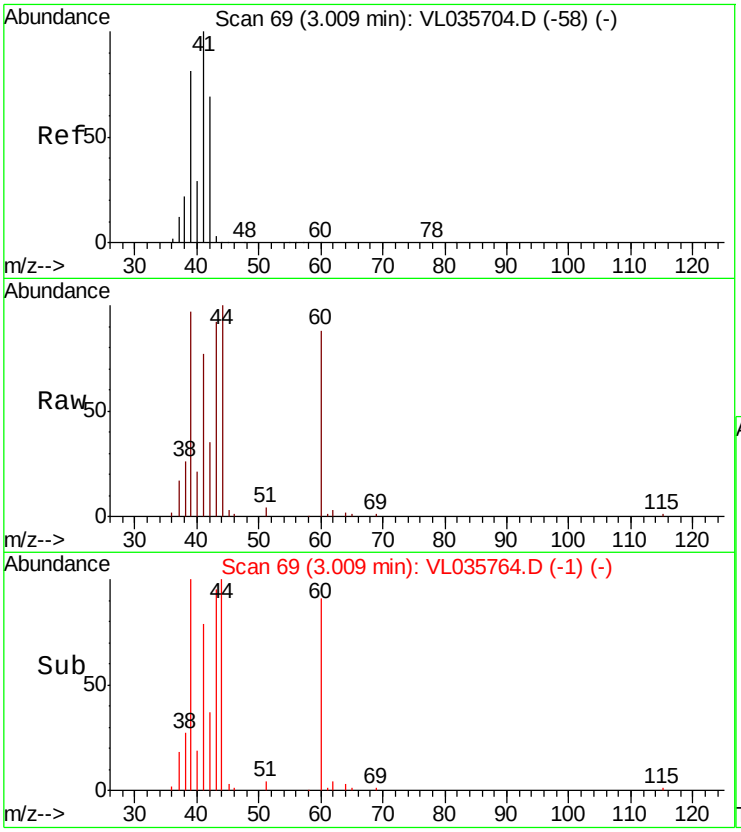


#4
Chloromethane
Concen: 1.371 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 50 Resp: 80472

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



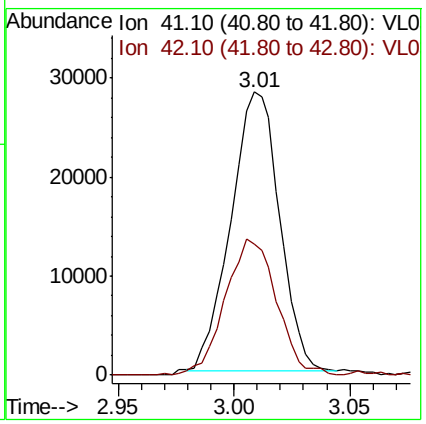


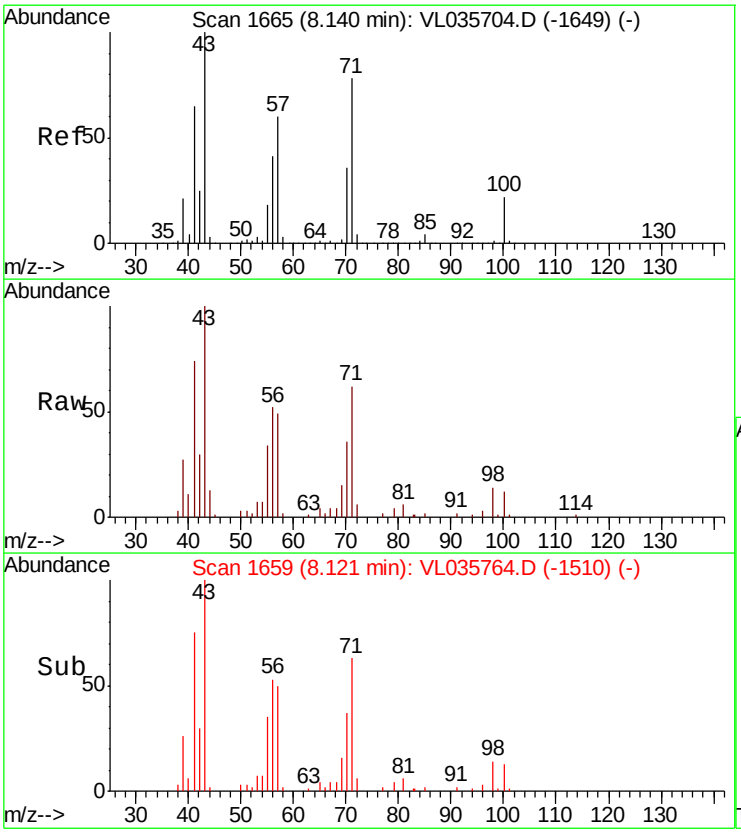
#9
Propene
Concen: 1.033 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 41 Resp: 40980

Ion	Ratio	Lower	Upper
41	100		
42	52.4	56.2	84.4#

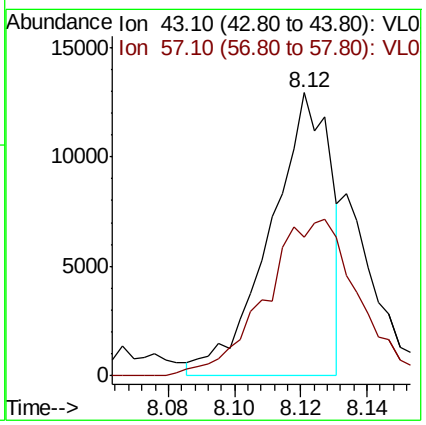


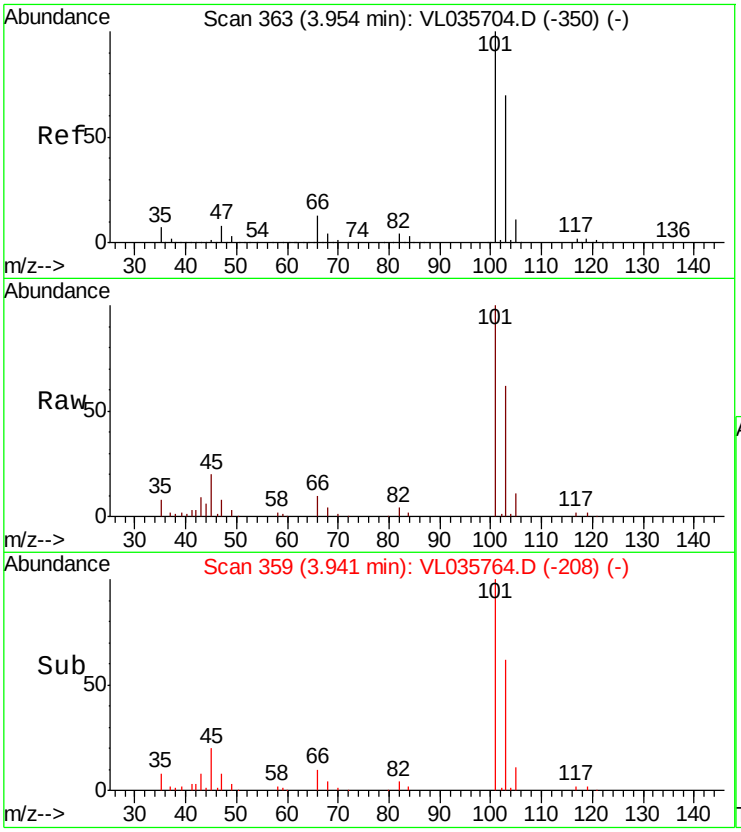


#10
Heptane
Concen: 0.150 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 43 Resp: 16544

Ion	Ratio	Lower	Upper
43	100		
57	0.0	50.4	75.6#



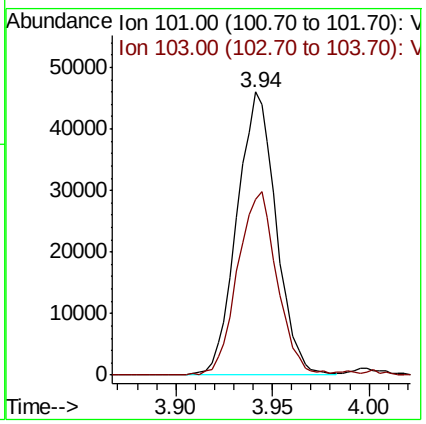


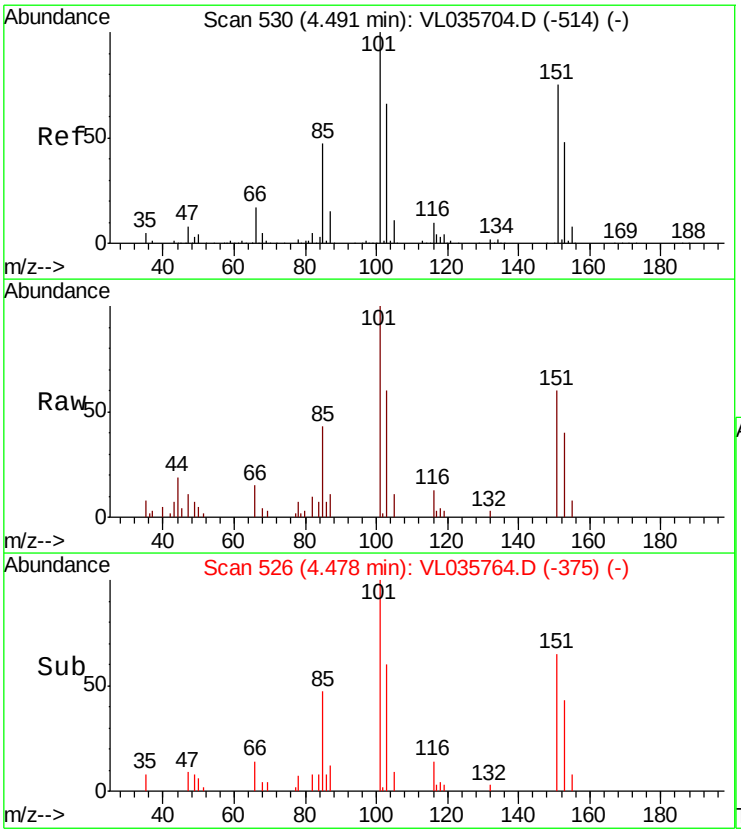
#11
Trichlorofluoromethane
Concen: 0.272 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion:101 Resp: 64625

Ion	Ratio	Lower	Upper
101	100		
103	62.0	55.6	83.4

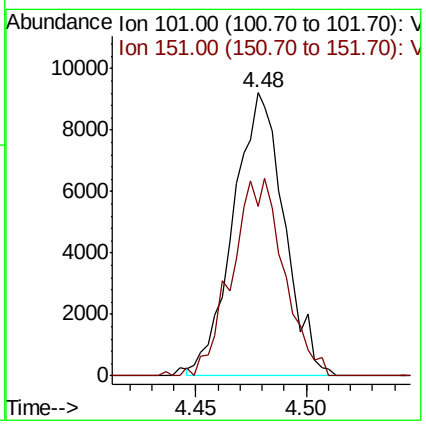


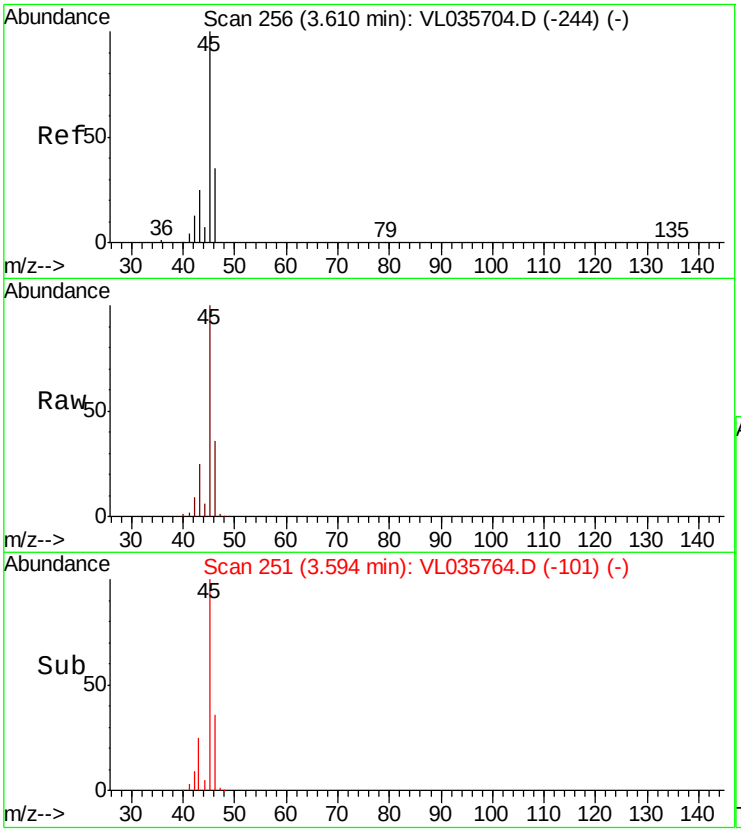


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.084 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion:101 Resp: 14800

Ion	Ratio	Lower	Upper
101	100		
151	71.3	59.1	88.7



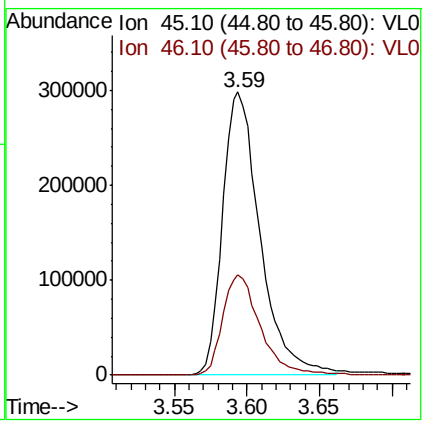


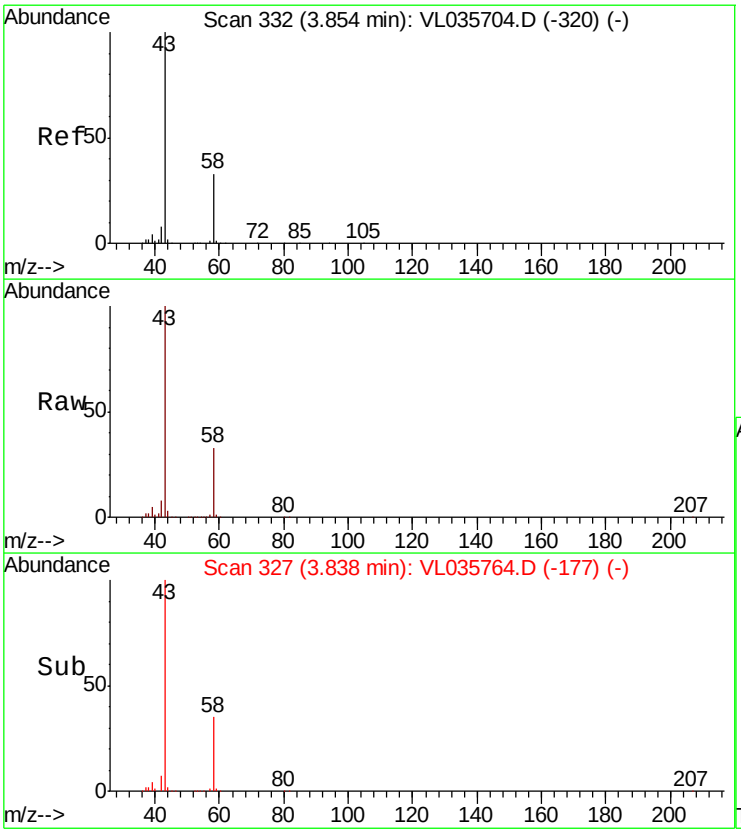
#13
Ethanol
Concen: 54.836 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 45 Resp: 536426

Ion	Ratio	Lower	Upper
45	100		
46	35.7	14.7	58.7

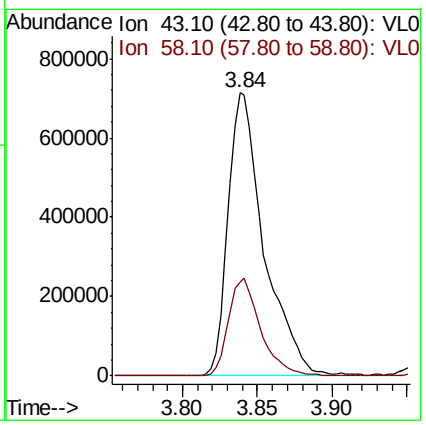


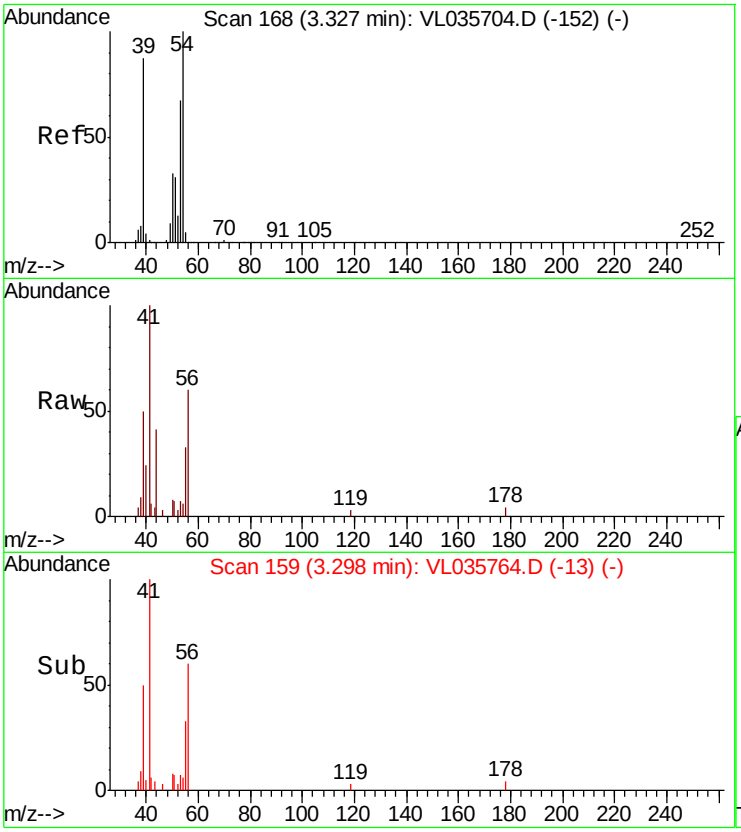


#15
Acetone
Concen: 10.928 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 43 Resp: 1194144

Ion	Ratio	Lower	Upper
43	100		
58	31.0	27.3	40.9



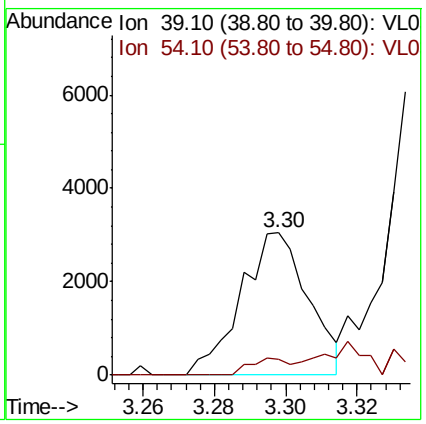


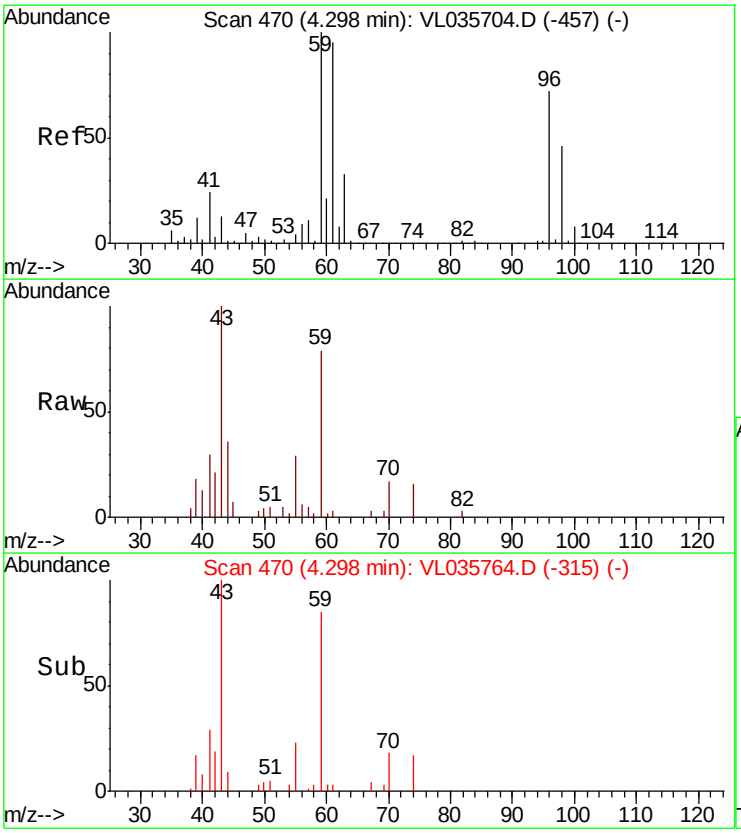
#16
1,3-Butadiene
Concen: 0.100 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 39 Resp: 3982

Ion	Ratio	Lower	Upper
39	100		
54	0.0	87.4	131.0#

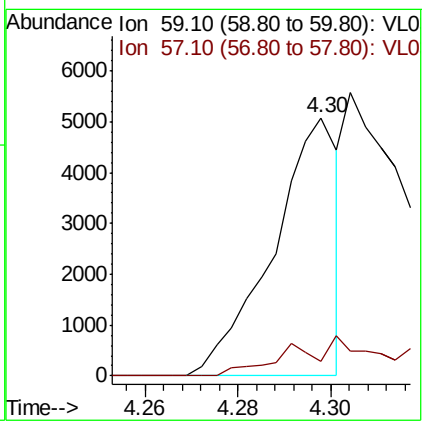


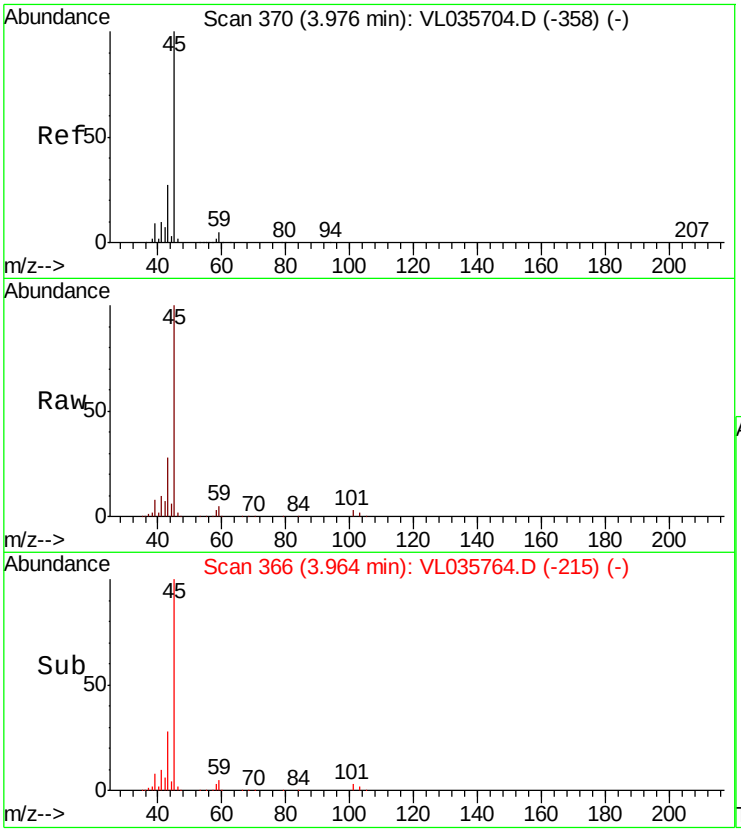


#17
tert-Butyl alcohol
Concen: 0.042 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 59 Resp: 4940

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#



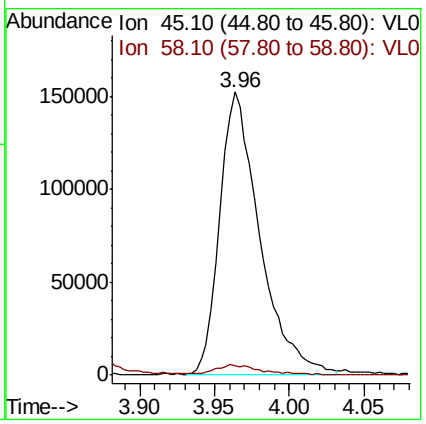


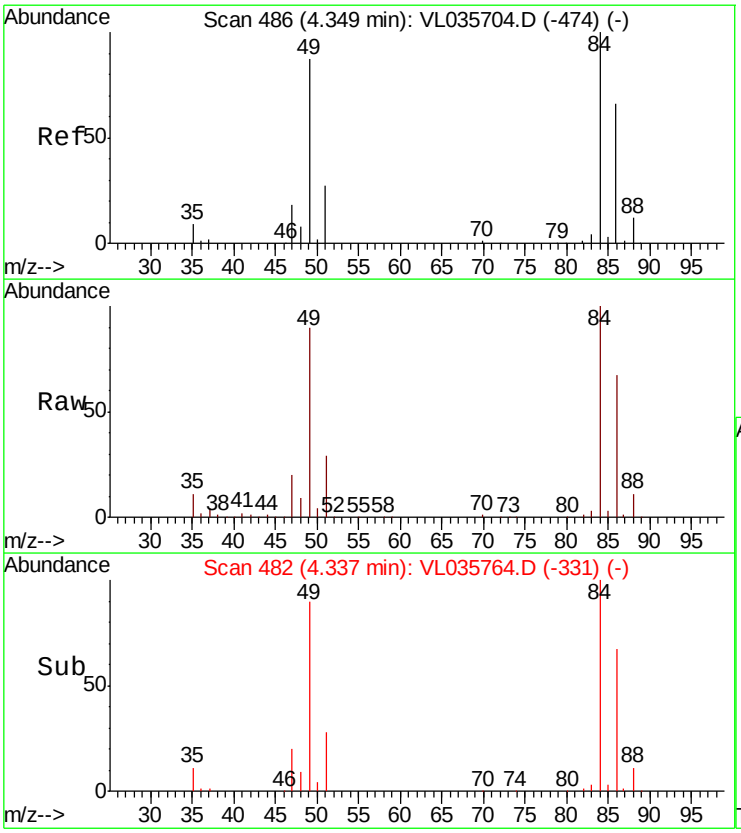
#19
Isopropyl Alcohol
Concen: 4.751 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 45 Resp: 282429

Ion	Ratio	Lower	Upper
45	100		
58	131.3	2.8	4.2#

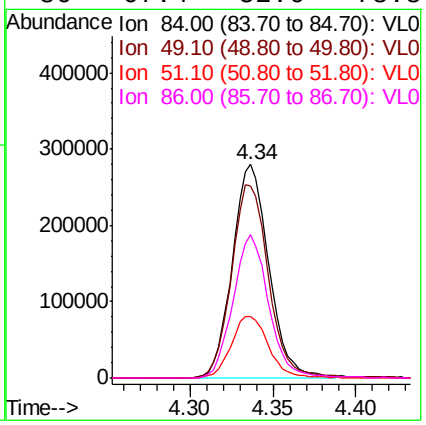


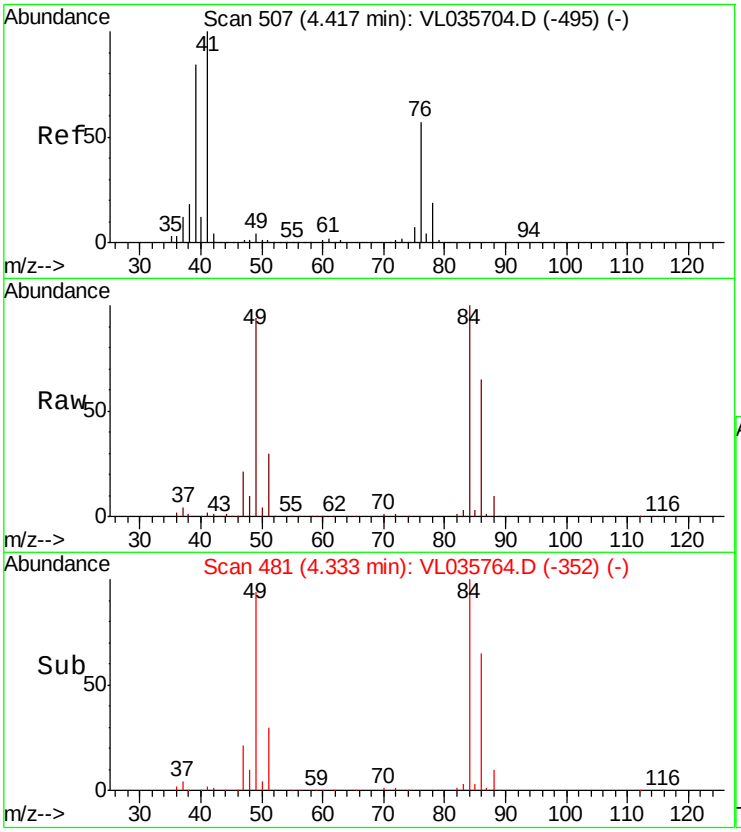


#20
Methylene Chloride
Concen: 5.350 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 84 Resp: 429447

Ion	Ratio	Lower	Upper
84	100		
49	89.8	69.8	104.6
51	28.7	21.8	32.8
86	67.4	52.6	78.8



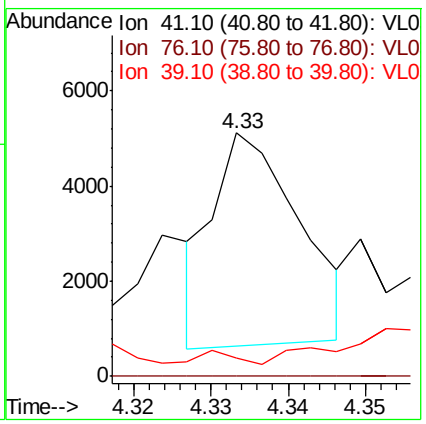


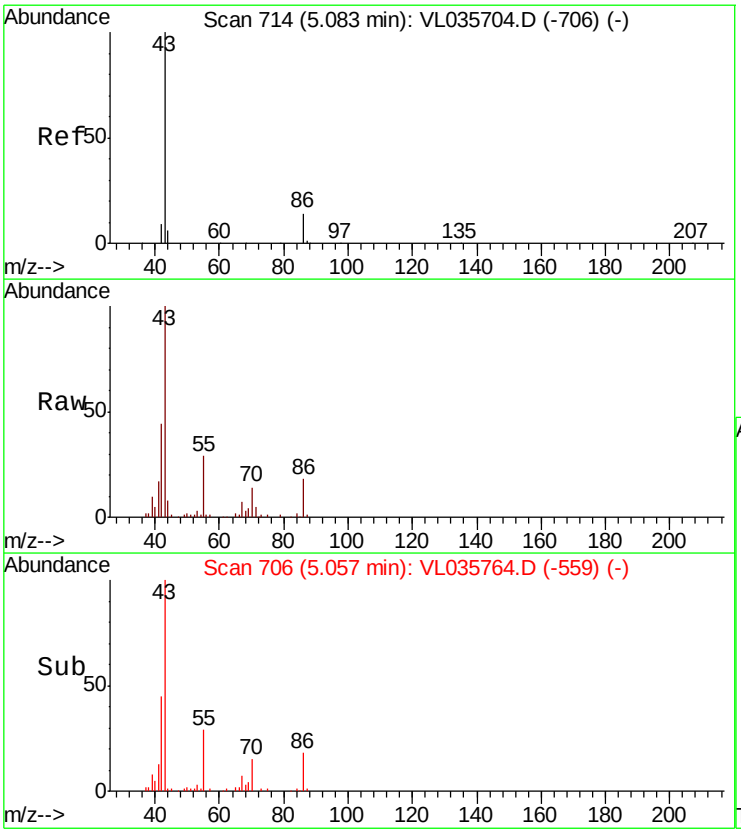
#21
Allvl Chloride
Concen: 0.066 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.08 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 41 Resp: 3470

Ion	Ratio	Lower	Upper
41	100		
76	0.0	44.8	67.2#
39	87.3	68.4	102.6

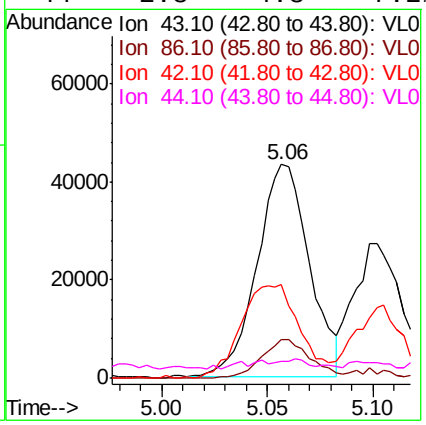


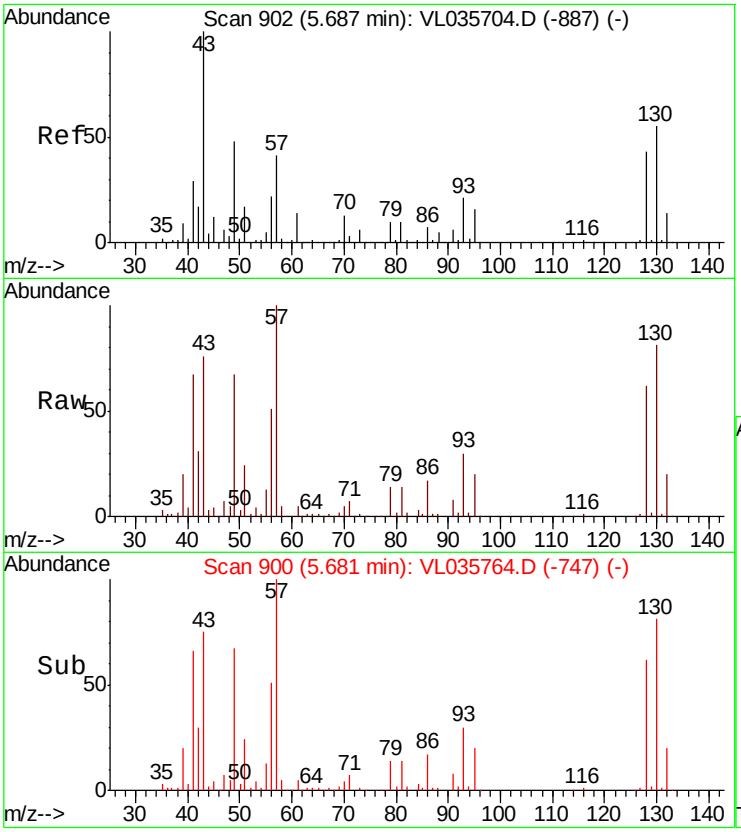


#23
Vinyl Acetate
Concen: 0.558 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.03 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 43 Resp: 74734

Ion	Ratio	Lower	Upper
43	100		
86	17.9	9.7	14.5#
42	43.4	7.9	11.9#
44	2.8	4.8	7.2#



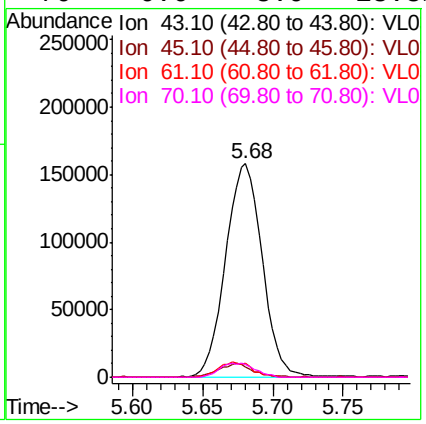


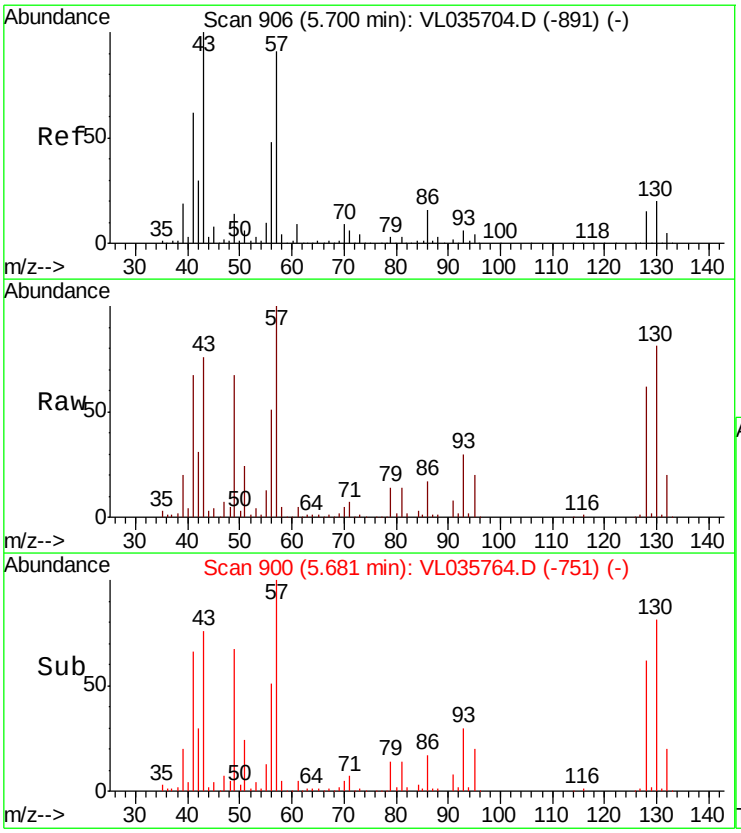
#25
Ethyl Acetate
Concen: 1.456 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 43 Resp: 286215

Ion	Ratio	Lower	Upper
43	100		
45	6.0	8.6	12.8#
61	6.6	10.4	15.6#
70	6.6	8.9	13.3#

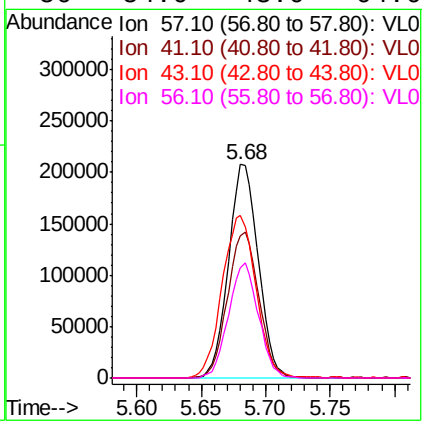


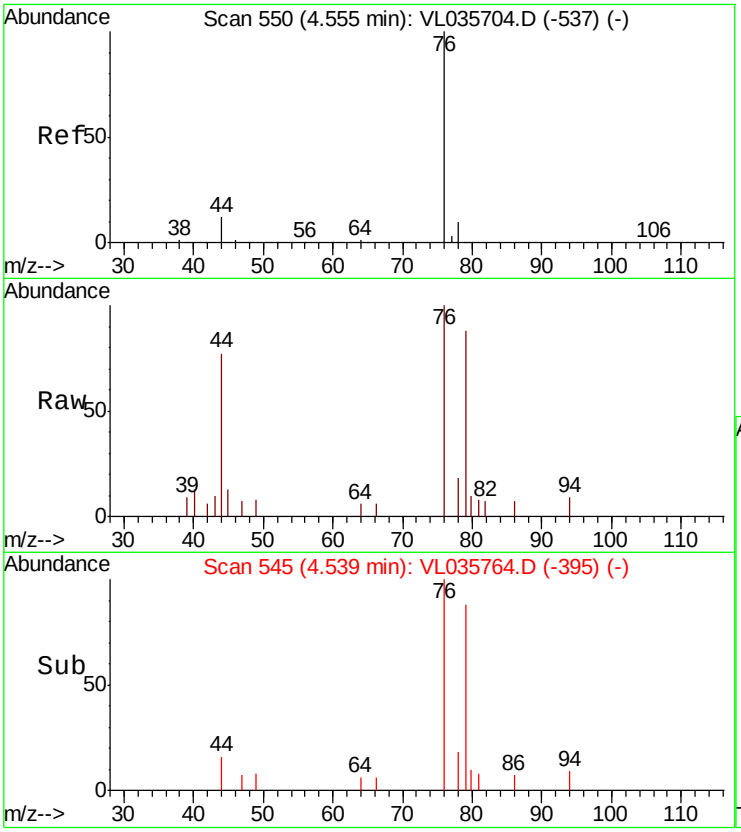


#26
Hexane
Concen: 3.096 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 57 Resp: 333549

Ion	Ratio	Lower	Upper
57	100		
41	71.5	57.9	86.9
43	87.6	143.8	215.6#
56	54.0	43.0	64.6



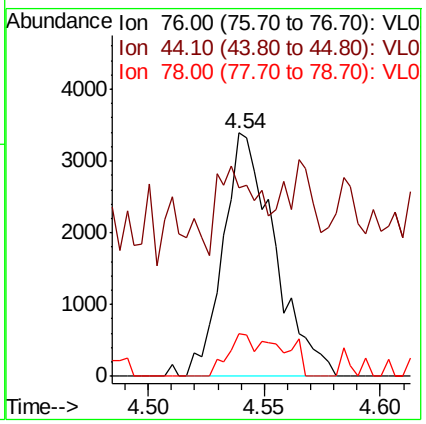


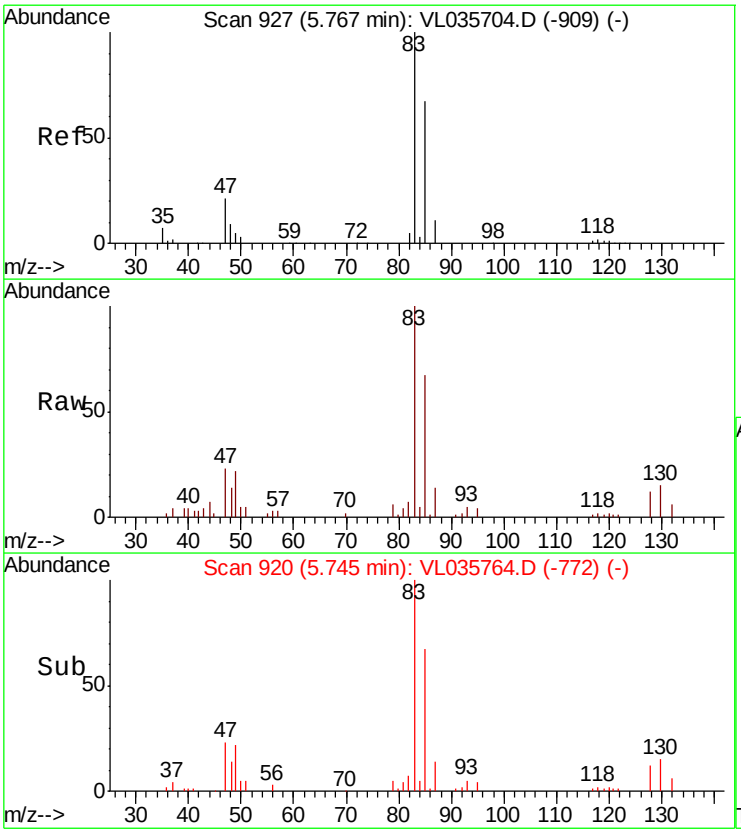
#27
Carbon Disulfide
Concen: 0.033 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 76 Resp: 5224

Ion	Ratio	Lower	Upper
76	100		
44	55.5	9.7	14.5#
78	18.1	7.8	11.8#

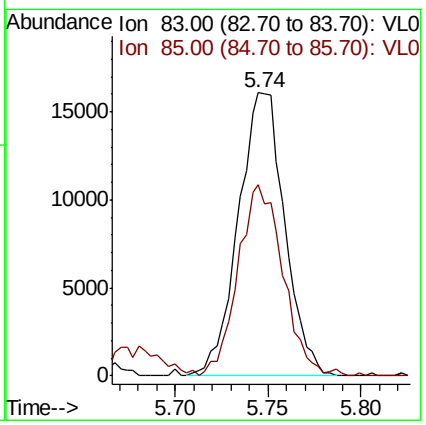


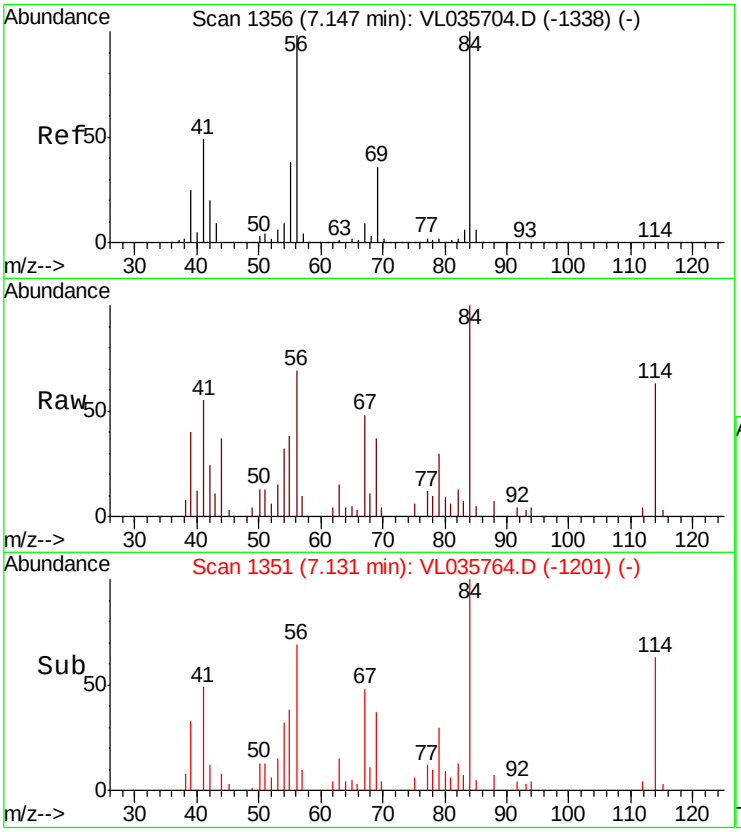


#29
Chloroform
Concen: 0.128 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 83 Resp: 27942

Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.0	81.0



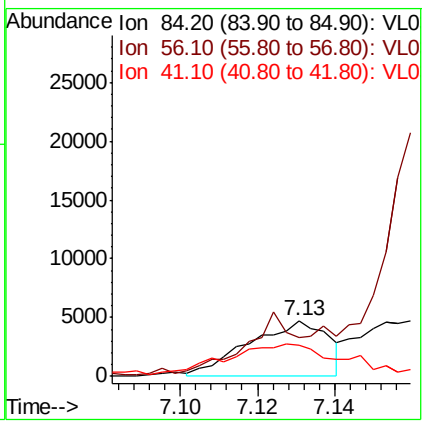


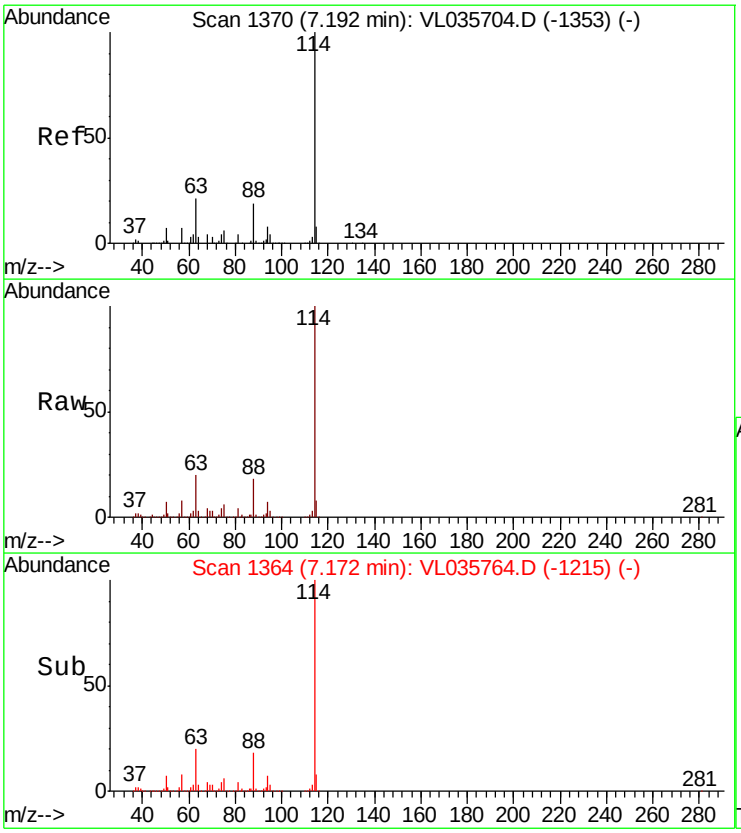
#30
Cyclohexane
Concen: 0.063 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 84 Resp: 6742

Ion	Ratio	Lower	Upper
84	100		
56	0.0	84.6	127.0#
41	96.0	41.1	61.7#

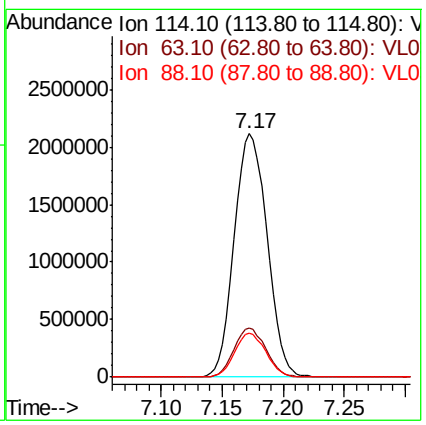


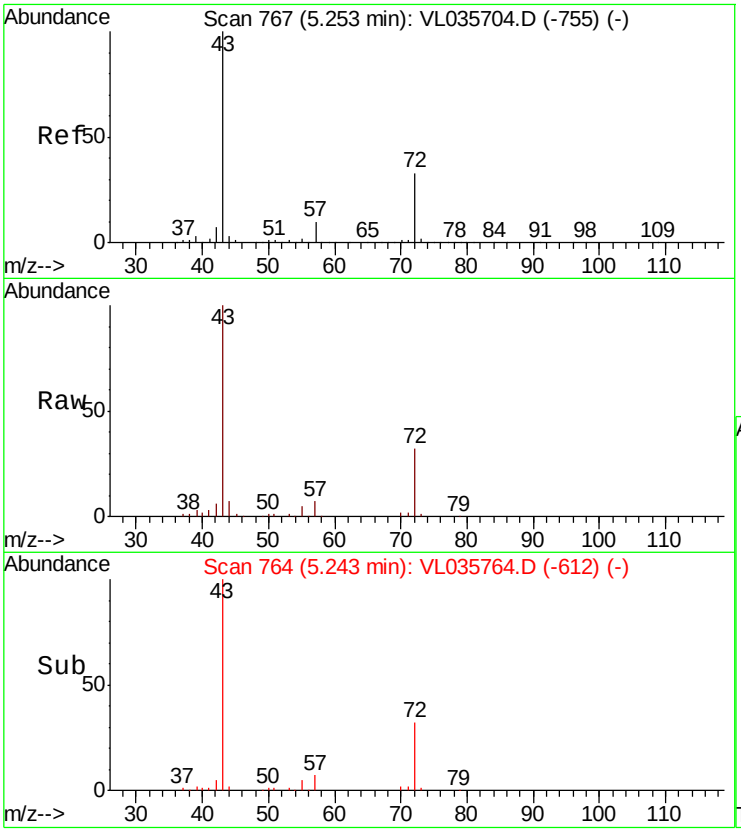


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion:114 Resp: 3961375

Ion	Ratio	Lower	Upper
114	100		
63	19.6	16.1	24.1
88	17.1	14.1	21.1



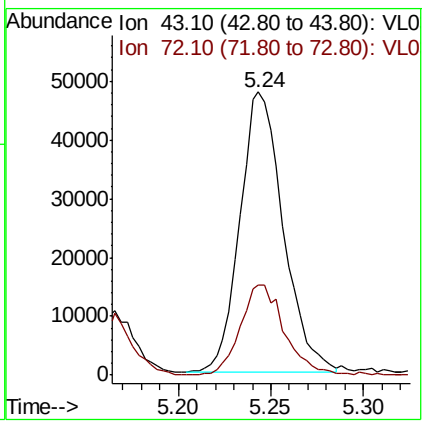


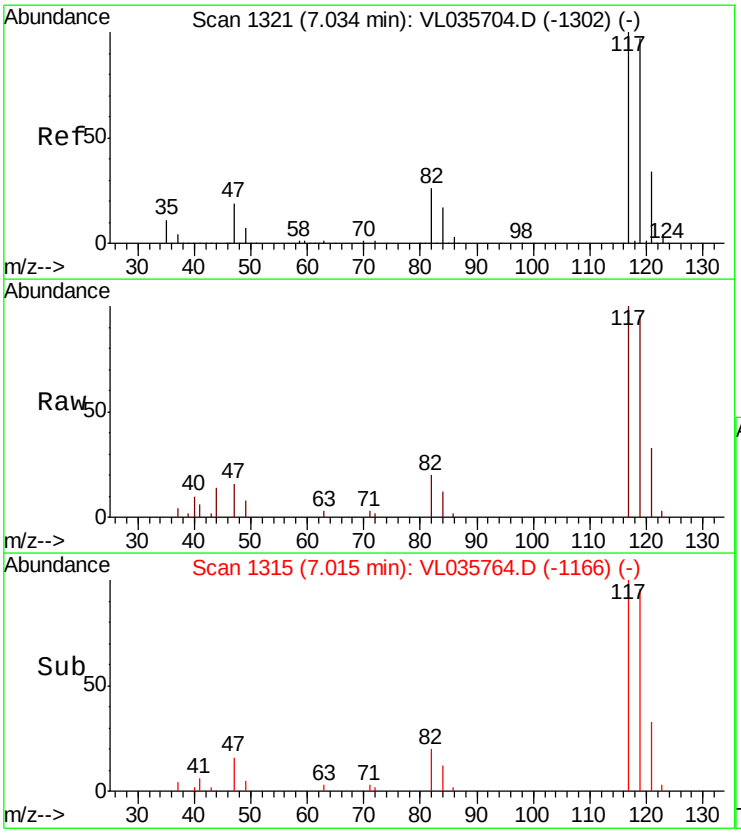
#34
2-Butanone
Concen: 0.594 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 43 Resp: 77816

Ion	Ratio	Lower	Upper
43	100		
72	32.8	26.1	39.1

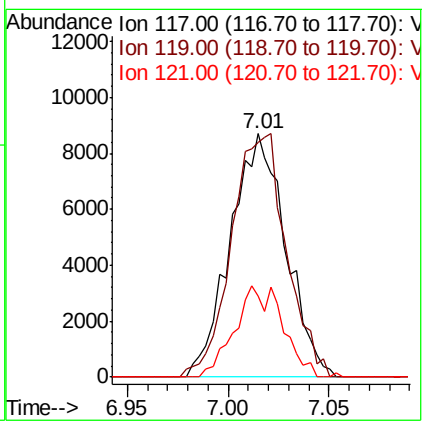


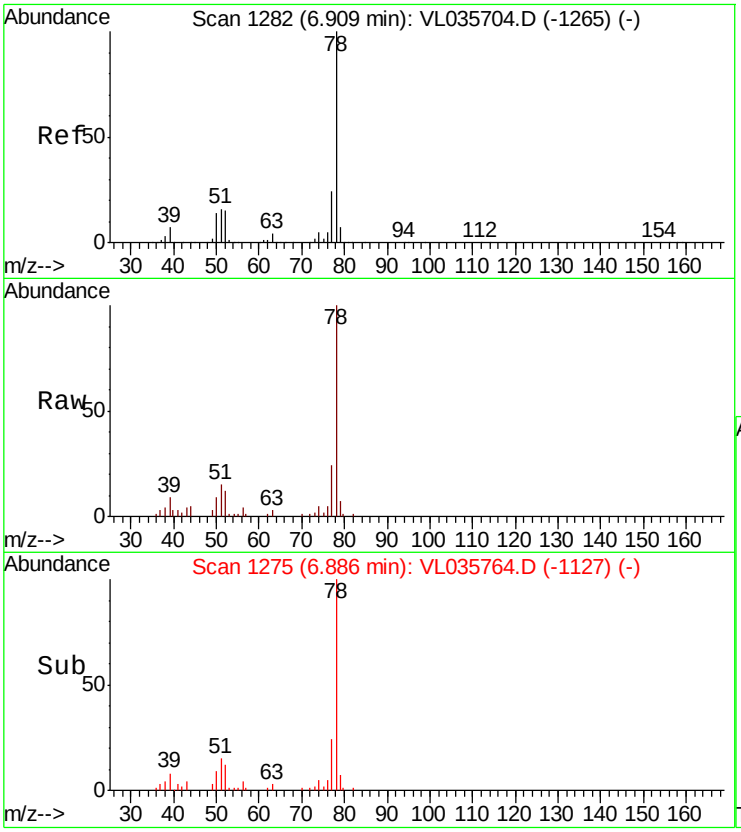


#35
Carbon Tetrachloride
Concen: 0.081 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion:117 Resp: 16687

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.7	116.5
121	33.3	26.9	40.3



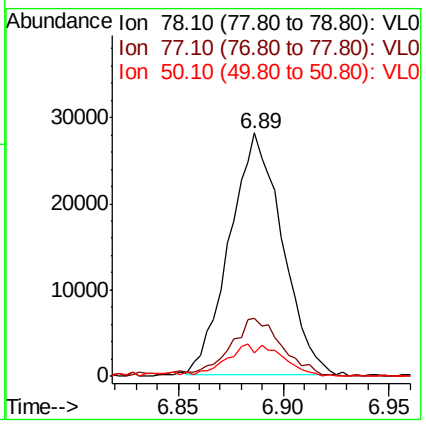


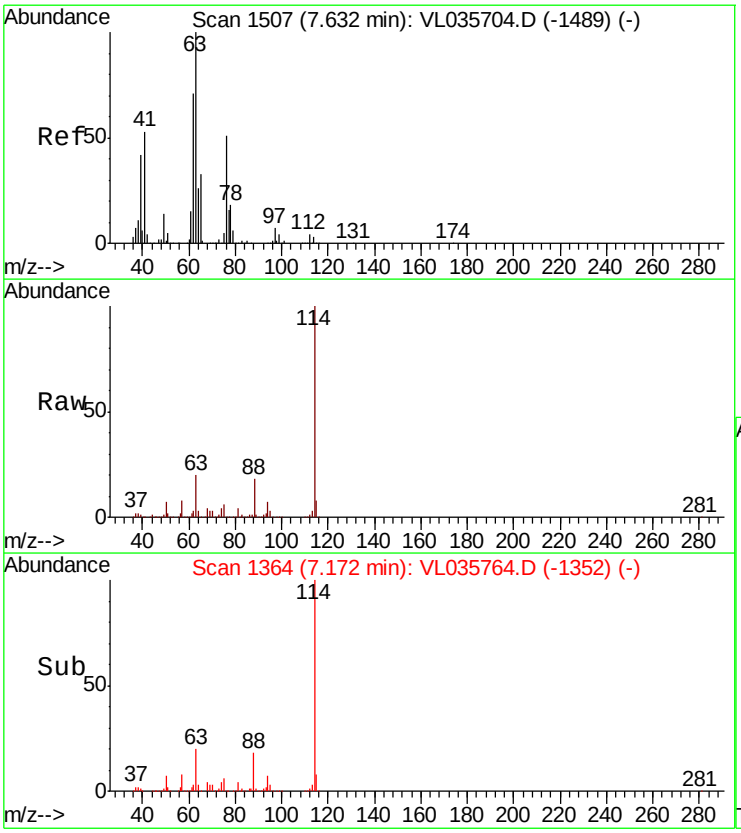
#36
Benzene
Concen: 0.187 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 78 Resp: 48254

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
50	9.6	11.6	17.4#

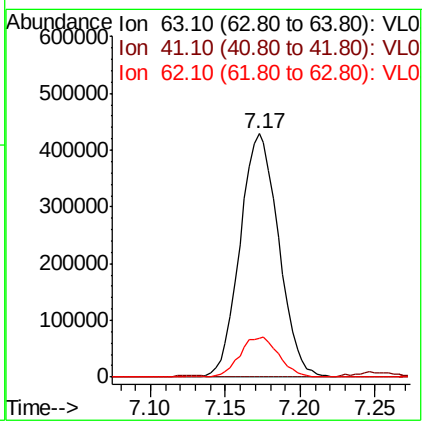


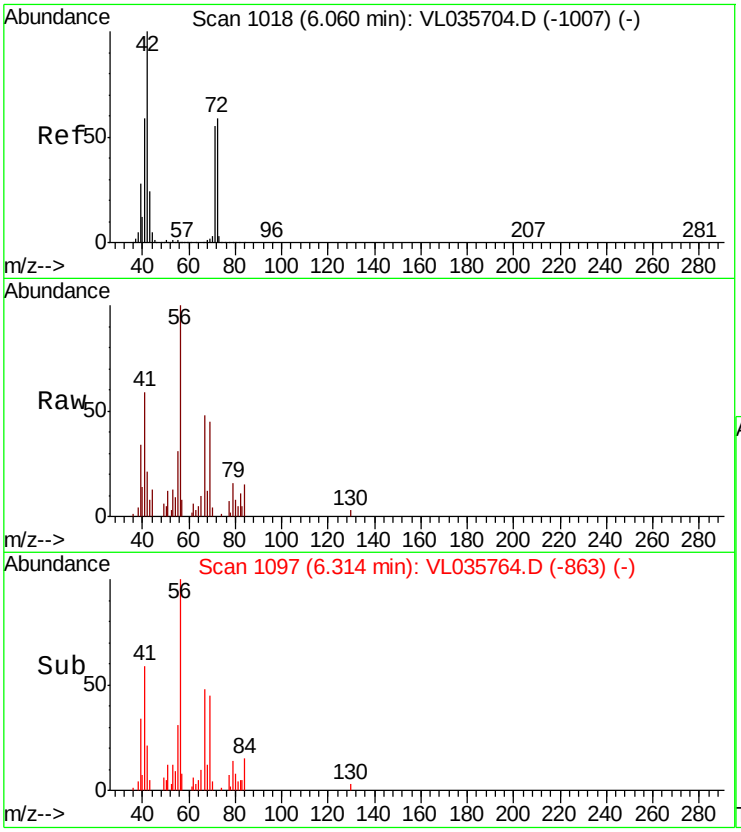


#39
1,2-Dichloropropane
Concen: 8.246 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.46 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 63 Resp: 771482

Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	15.8	56.5	84.7#



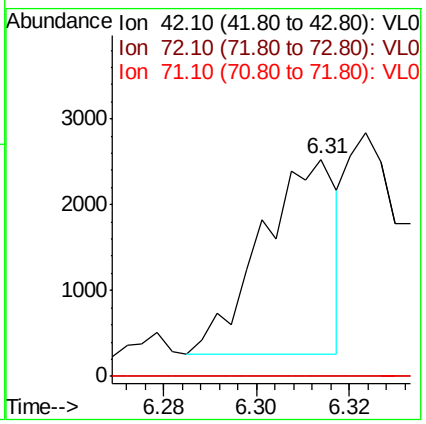


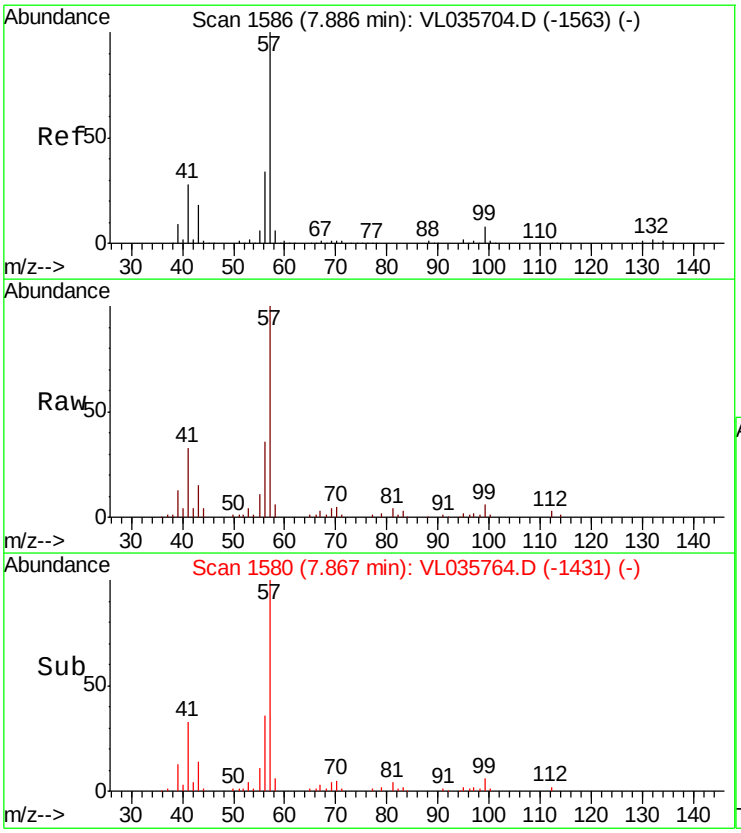
#41
Tetrahydrofuran
Concen: 0.039 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. 0.25 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion: 42 Resp: 2557

Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.2	69.4#
71	0.0	44.2	66.4#

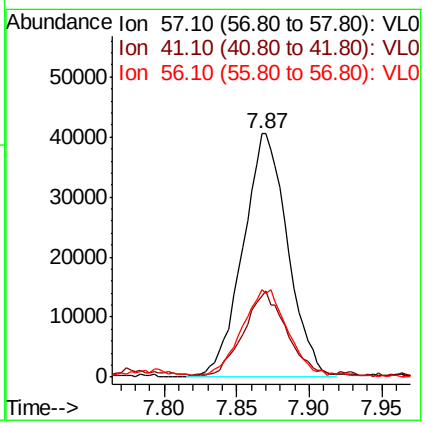


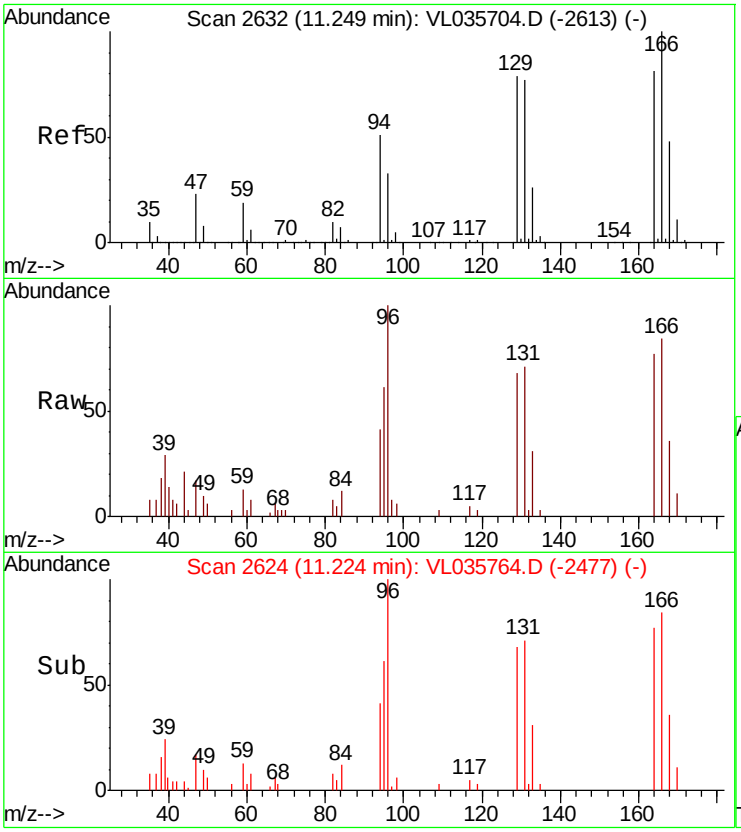


#44
2,2,4-Trimethylpentane
Concen: 0.236 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 57 Resp: 87271

Ion	Ratio	Lower	Upper
57	100		
41	35.6	21.2	31.8#
56	37.6	25.8	38.8



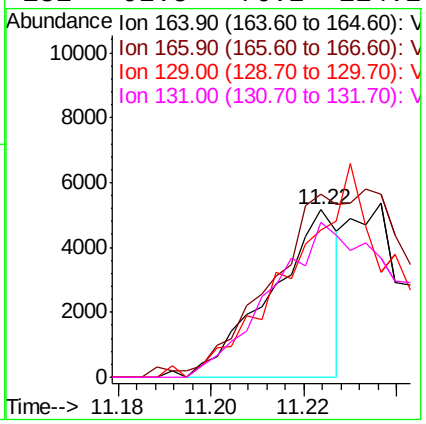


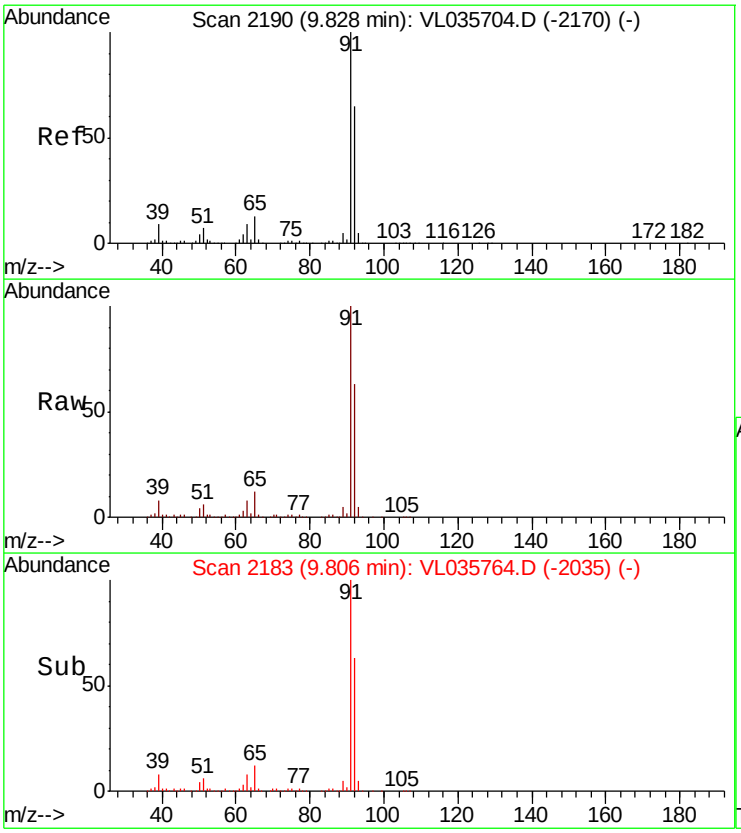
#52
Tetrachloroethene
Concen: 0.041 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.03 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion:164 Resp: 5131

Ion	Ratio	Lower	Upper
164	100		
166	105.8	98.7	148.1
129	88.5	78.4	117.6
131	92.5	76.2	114.2

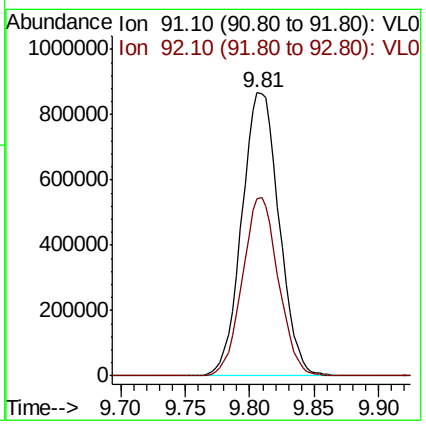


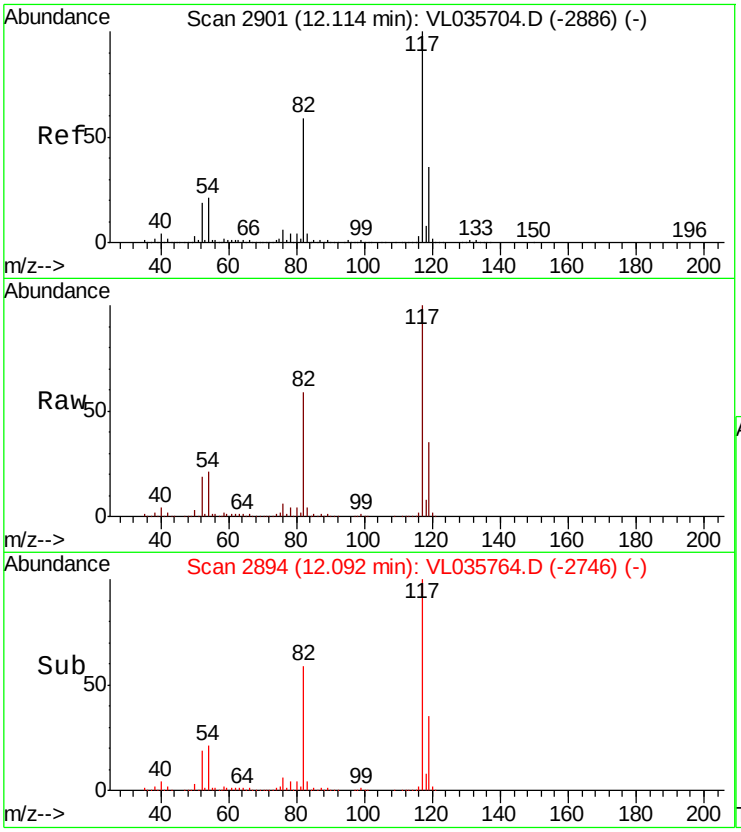


#53
Toluene
Concen: 5.750 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 91 Resp: 1750241

Ion	Ratio	Lower	Upper
91	100		
92	60.9	50.0	75.0



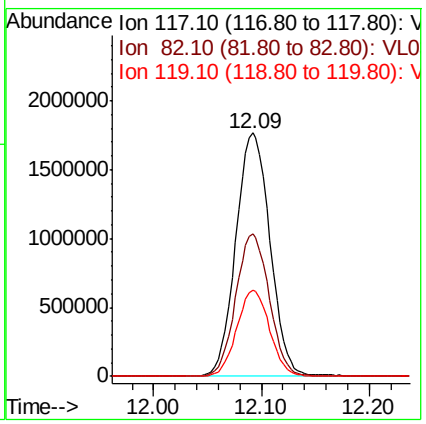


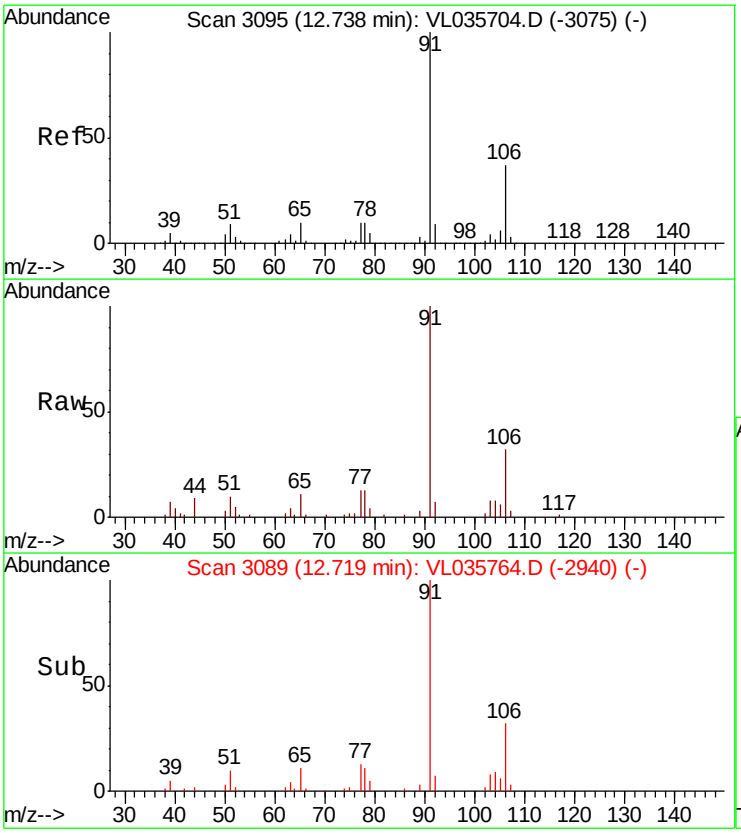
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion:117 Resp: 3901045

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.1	69.1
119	34.2	28.0	42.0

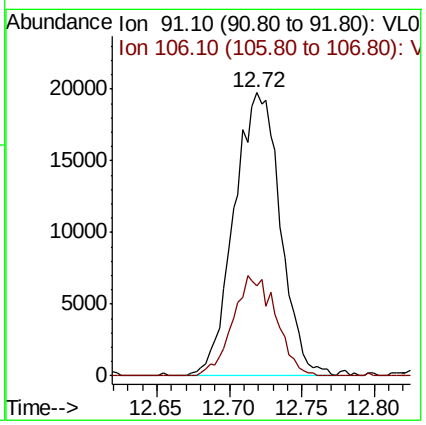


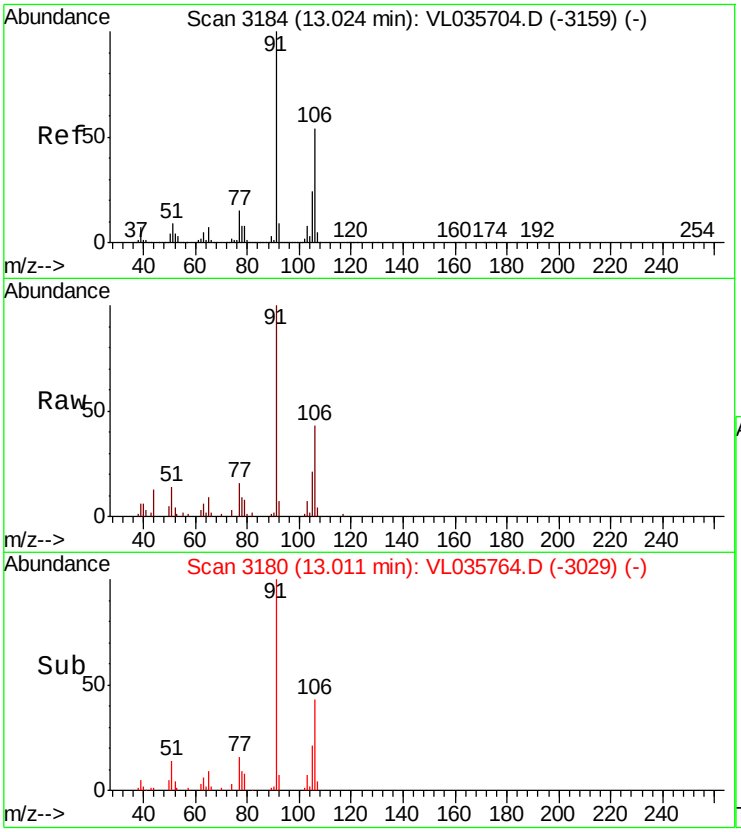


#58
Ethyl Benzene
Concen: 0.112 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 91 Resp: 43922

Ion	Ratio	Lower	Upper
91	100		
106	32.0	29.7	44.5



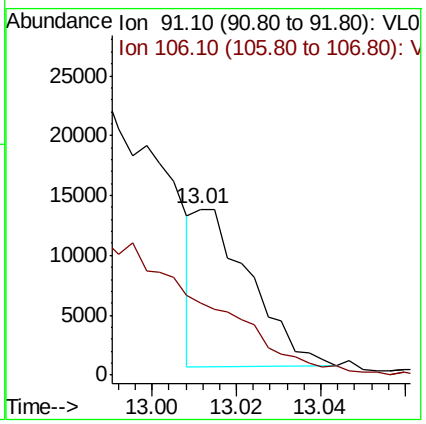


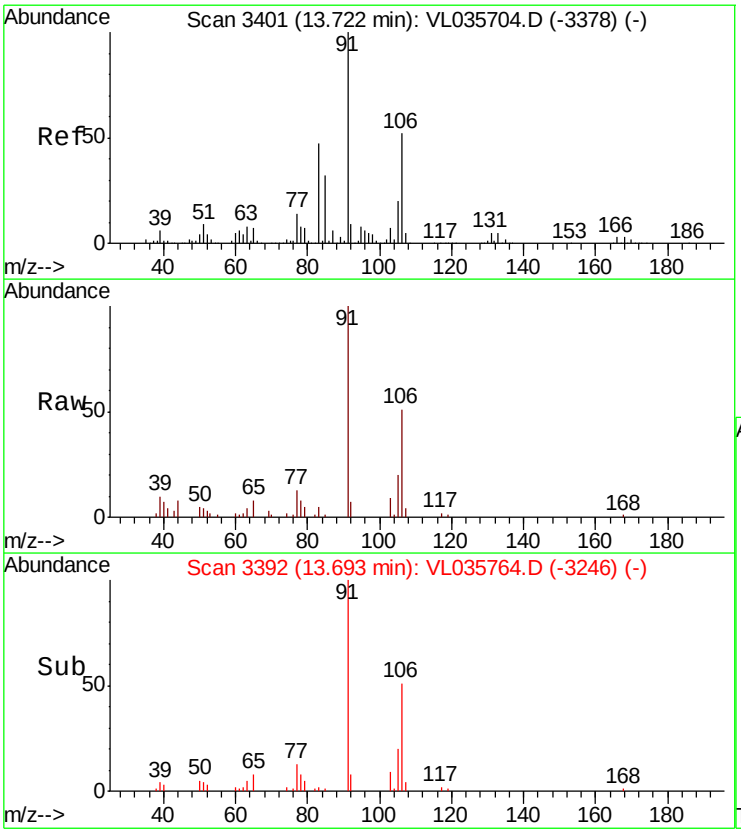
#59
m/p-Xylene
Concen: 0.035 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion: 91 Resp: 12004

Ion	Ratio	Lower	Upper
91	100		
106	0.0	41.4	62.0#

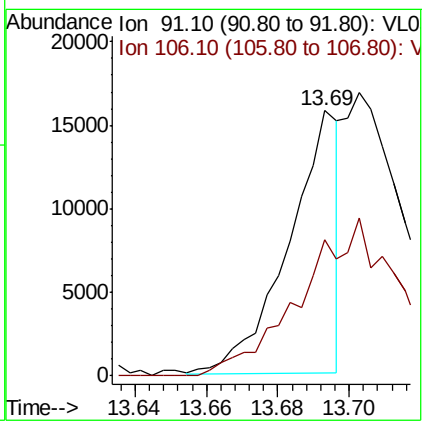


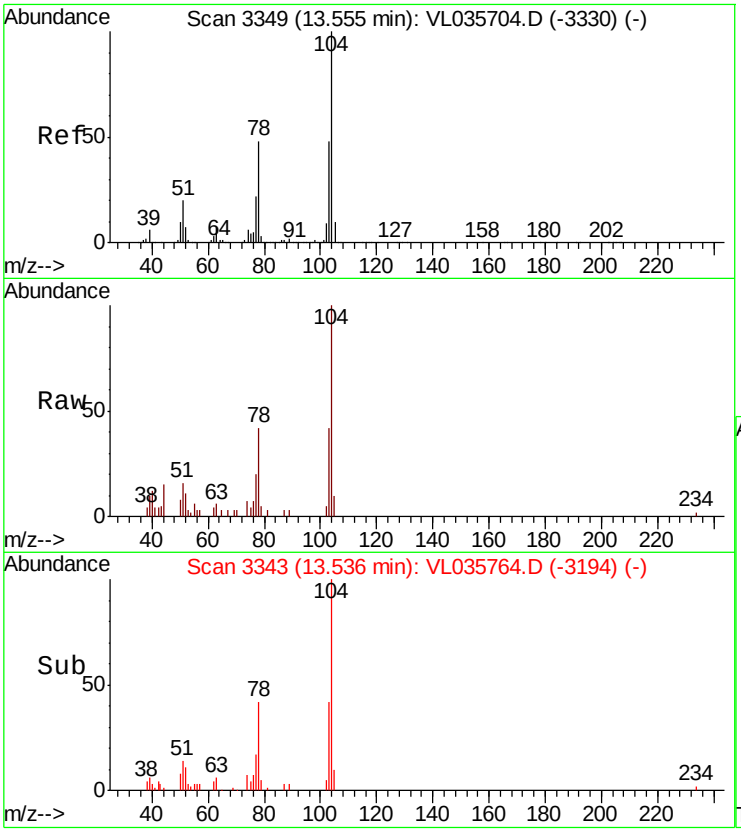


#60
o-Xylene
Concen: 0.044 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.03 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 91 Resp: 15350

Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.0	75.0#



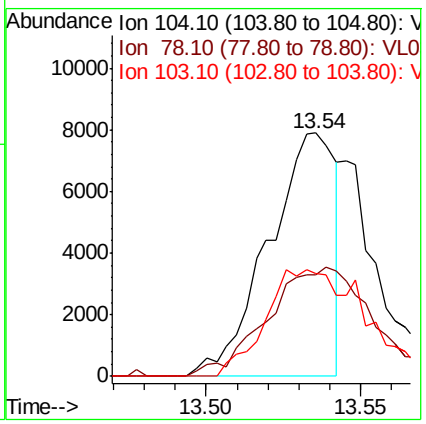


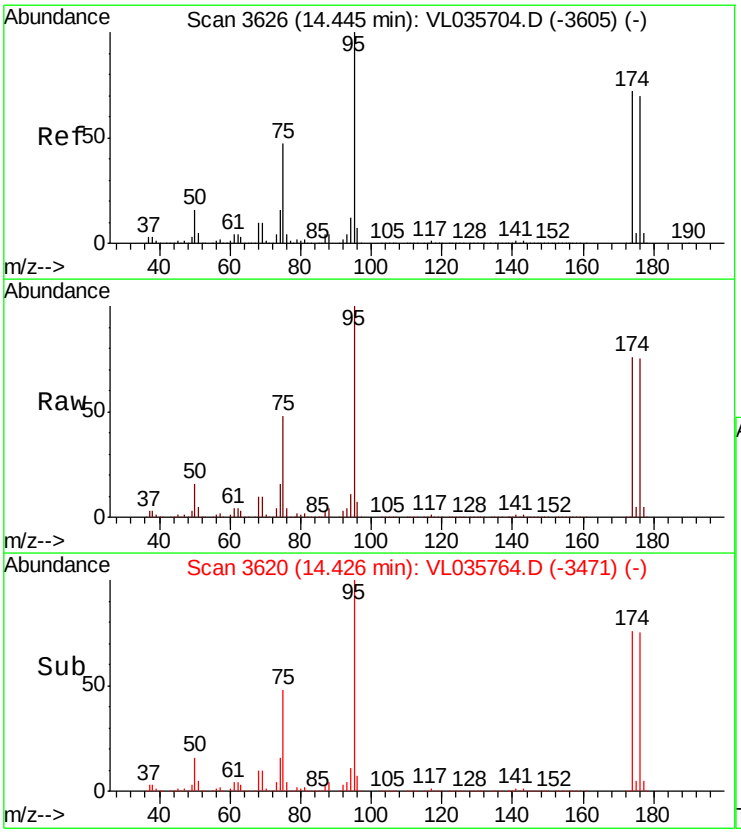
#61
Stvrene
Concen: 0.050 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument : MSVOA_L
ClientSampleId : 3

Tgt Ion:104 Resp: 11844

Ion	Ratio	Lower	Upper
104	100		
78	74.4	37.2	55.8#
103	65.8	38.2	57.2#

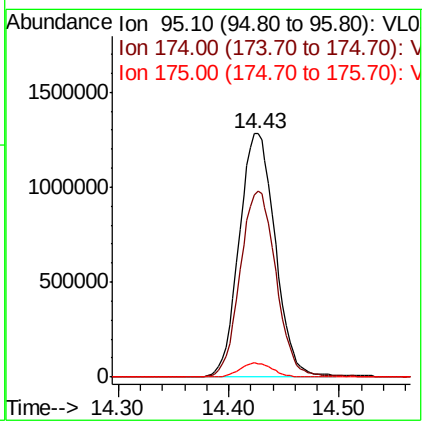


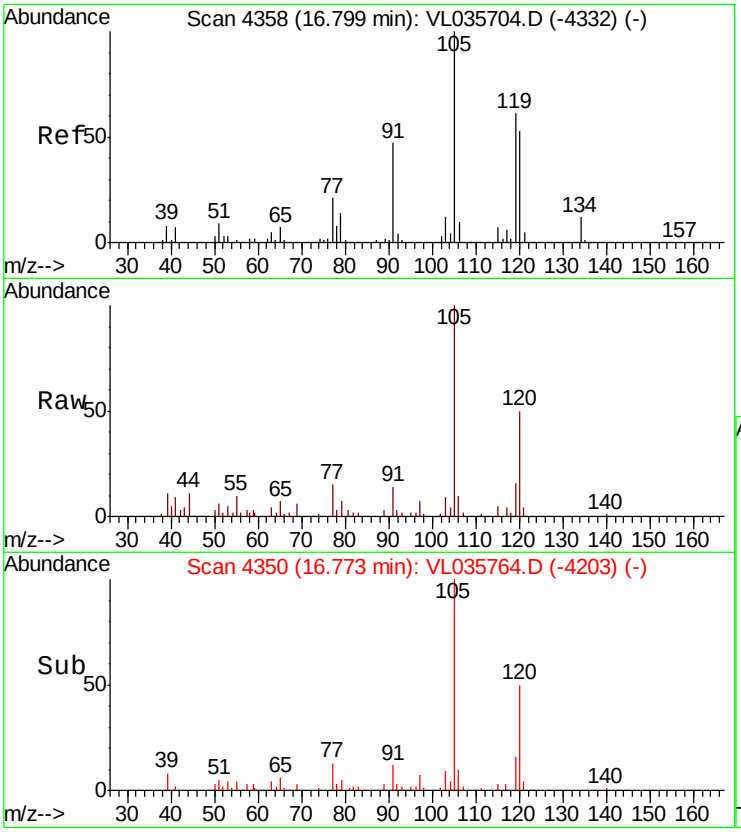


#68
1-Bromo-4-Fluorobenzene
Concen: 9.943 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Tgt Ion: 95 Resp: 2906627

Ion	Ratio	Lower	Upper
95	100		
174	76.6	59.6	89.4
175	5.5	4.2	6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.043 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.03 min
Lab File: VL035764.D
Acq: 12 Oct 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
3

Tgt Ion:105 Resp: 18595

Ion	Ratio	Lower	Upper
105	100		
120	50.5	42.5	63.7
91	15.3	37.7	56.5#
77	14.1	16.7	25.1#