Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035769.D
Acq On : 12 Oct 2020 19:55
Operator : SY/AP
Sample : L4347-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 5DL

Quant Time: Oct 13 00:06:33 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	1238280	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.18	114	5068542	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.10	117	4955116	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3693454	9.95	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	7918	0.039	ppbv		91
3) Chlorodifluoromethane	3.30	51	95980	0.720	ppbv	#	54
4) Chloromethane	3.13	50	4629	0.065	ppbv		99
9) Propene	3.00	41	718218	14.849	ppbv		96
10) Heptane	8.12	43	60480	0.449	ppbv		92
13) Ethanol	3.59	45	45289	3.797	ppbv		99
15) Acetone	3.84	43	4770190	35.801	ppbv	#	85
16) 1,3-Butadiene	3.30	39	554794	11.381	ppbv	#	14
17) tert-Butyl alcohol	4.30	59	75839	0.523	ppbv		96
19) Isopropyl Alcohol	3.97	45	54045	0.746	ppbv	#	89
20) Methylene Chloride	4.34	84	140876	1.439	ppbv		95
21) Allyl Chloride	4.39	41	13222	0.205	ppbv	#	1
23) Vinyl Acetate	5.06	43	71974	0.441	ppbv	#	74
25) Ethyl Acetate	5.69	43	87274	0.364	ppbv	#	78
26) Hexane	5.68	57	150412	1.145	ppbv	#	43
27) Carbon Disulfide	4.55	76	114164	0.583	ppbv	#	93
30) Cyclohexane	7.13	84	11437	0.088	ppbv	#	22
34) 2-Butanone	5.24	43	876852	5.230	ppbv		95
36) Benzene	6.89	78	237073	0.718	ppbv	#	95
39) 1,2-Dichloropropane	7.18	63	968188	8.088	ppbv	#	30
44) 2,2,4-Trimethylpentane	7.87	57	95343	0.201	ppbv	#	87
50) 4-Methyl-2-Pentanone	8.75	43	11190	0.046	ppbv	#	31
51) 2-Hexanone	10.14	43	254457	1.290	ppbv	#	97
53) Toluene	9.81	91	1392370	3.575	ppbv		98
58) Ethyl Benzene	12.73	91	135667	0.273	ppbv		92
59) m/p-Xylene	12.98	91	296559	0.683	ppbv	#	79
60) o-Xylene	13.70	91	140209	0.319	ppbv		99
61) Styrene	13.55	104	10129	0.033	ppbv		91
72) 4-Ethyltoluene	15.85	105	63386	0.122	ppbv	#	96
73) 1,3,5-Trimethylbenzene	16.01	105	52731	0.107	ppbv		99
74) 1,2,4-Trimethylbenzene	16.77	105	114245	0.206	ppbv	#	72
80) Naphthalene,2-methyl-	25.00	142	3773	0.030	ppbv		88

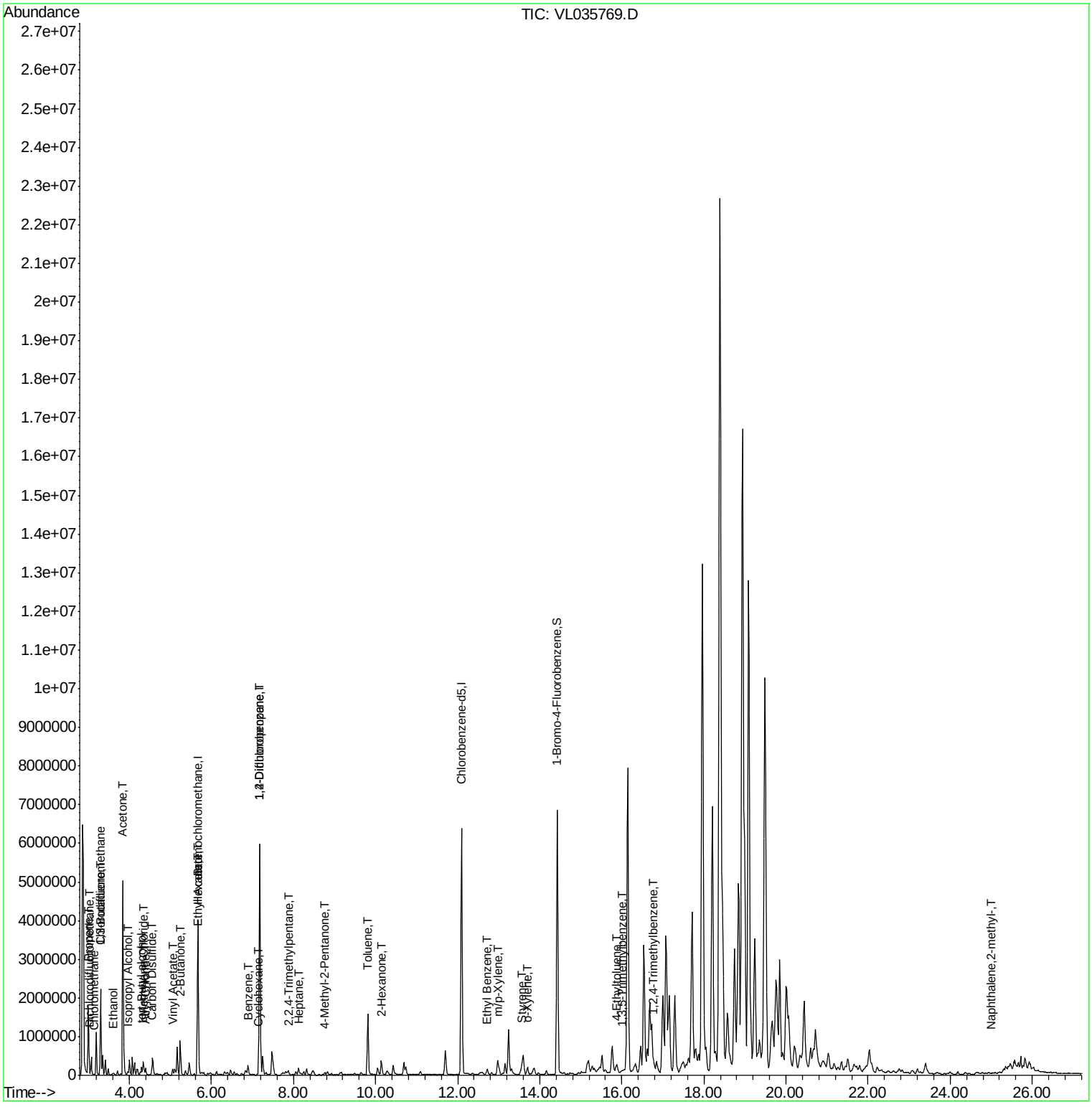
(#) = qualifier out of range (m) = manual integration (+) = signals summed

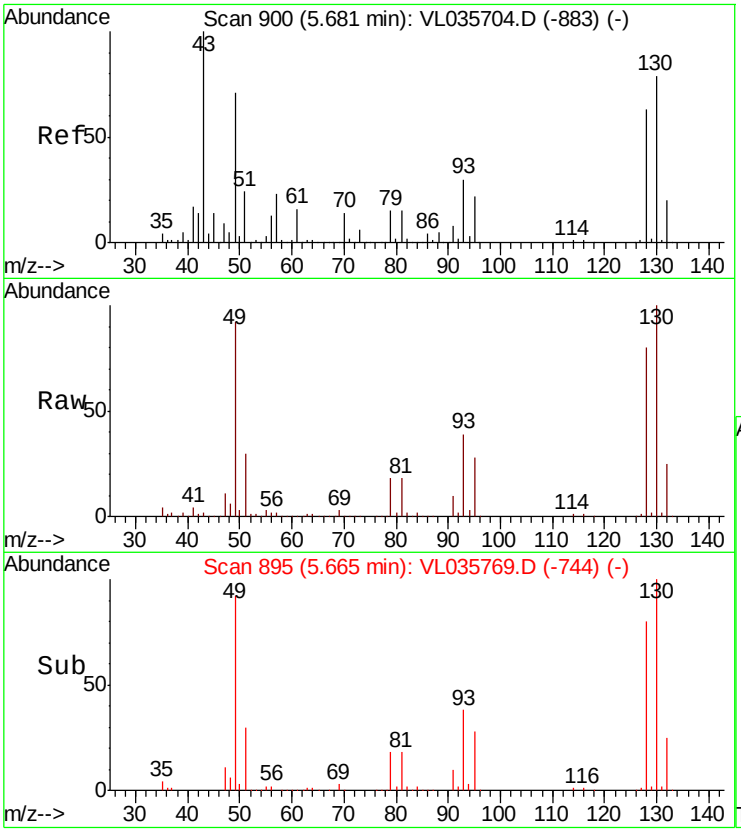
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035769.D
Acq On : 12 Oct 2020 19:55
Operator : SY/AP
Sample : L4347-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 5DL

Quant Time: Oct 13 00:06:33 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



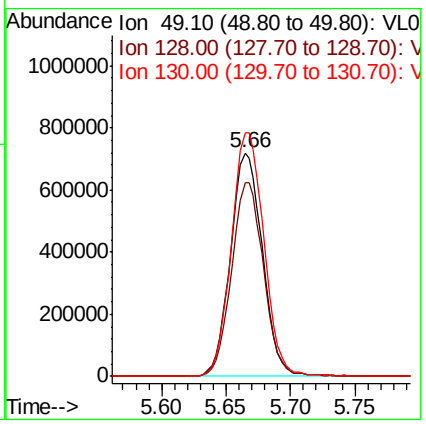


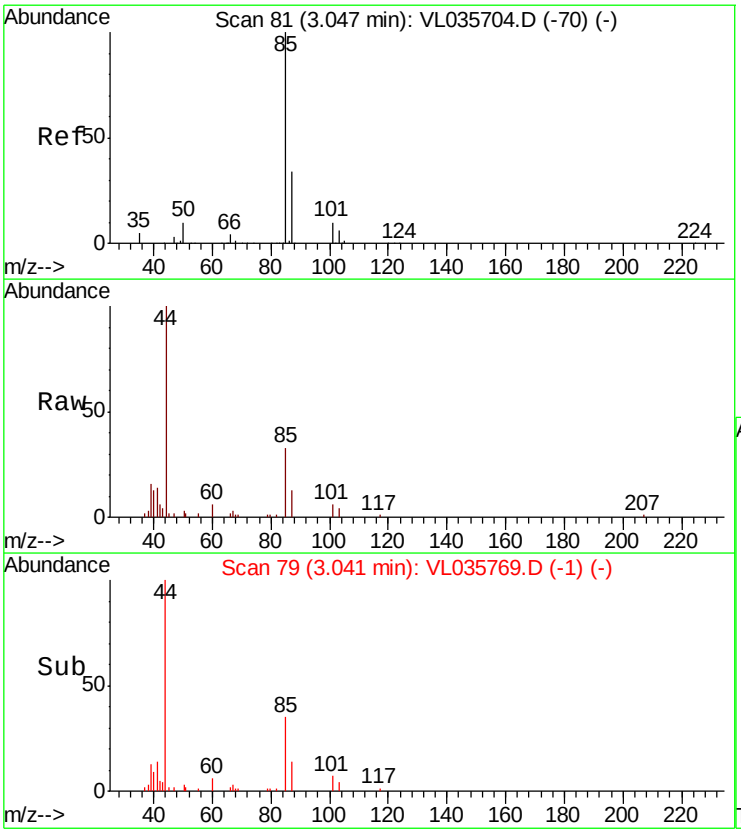
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tgt Ion: 49 Resp: 1238280

Ion	Ratio	Lower	Upper
49	100		
128	87.5	43.1	129.4
130	111.5	54.9	164.7

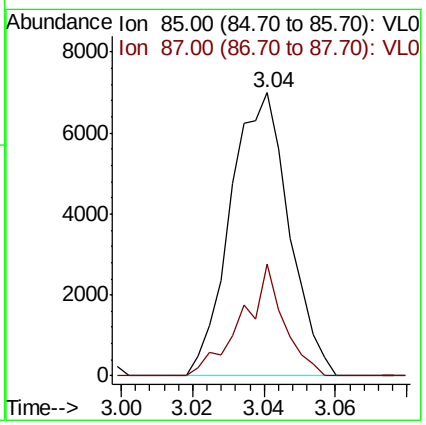


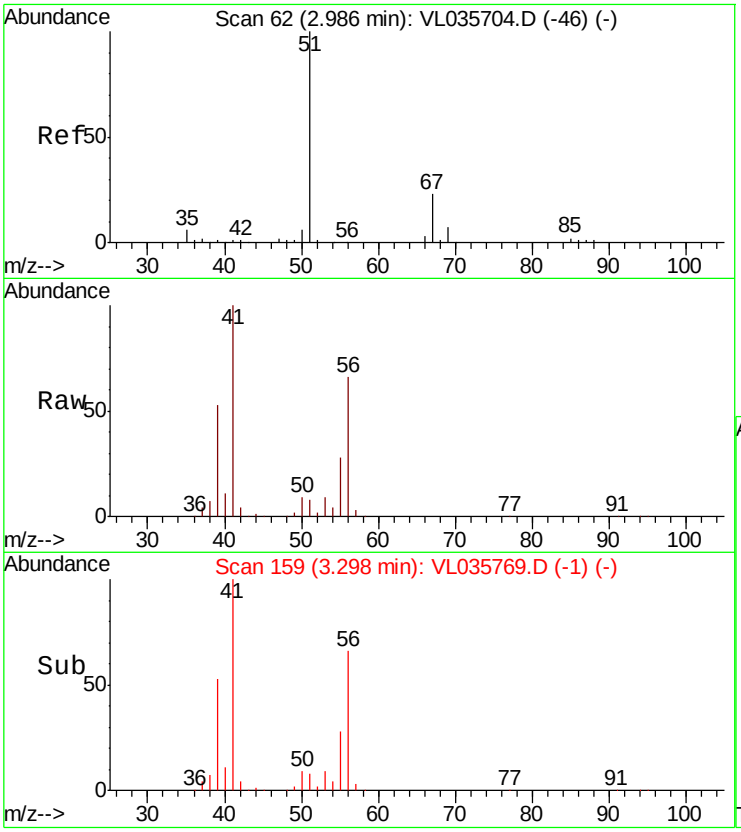


#2
Dichlorodifluoromethane
Concen: 0.039 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 85 Resp: 7918

Ion	Ratio	Lower	Upper
85	100		
87	39.4	27.3	40.9



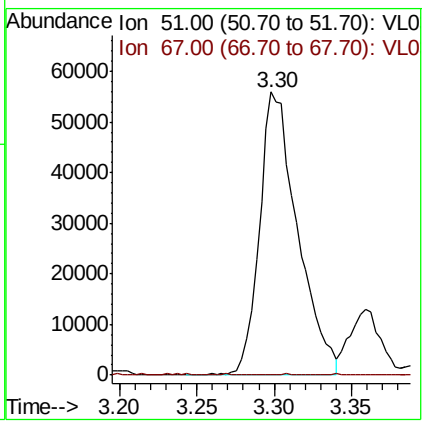


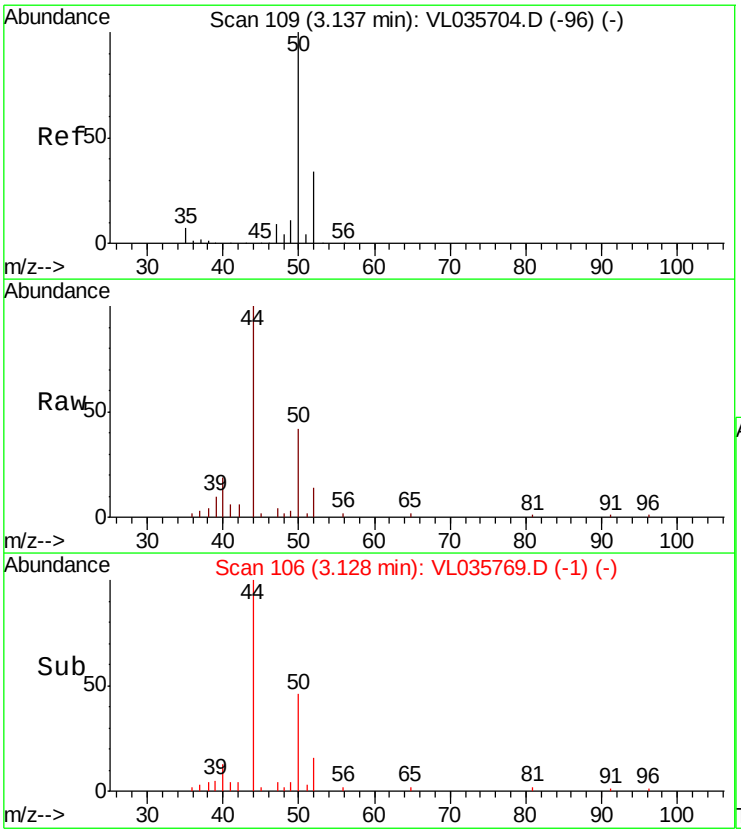
#3
Chlorodifluoromethane
Concen: 0.720 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.31 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 51 Resp: 95980

Ion	Ratio	Lower	Upper
51	100		
67	0.1	17.8	26.8#

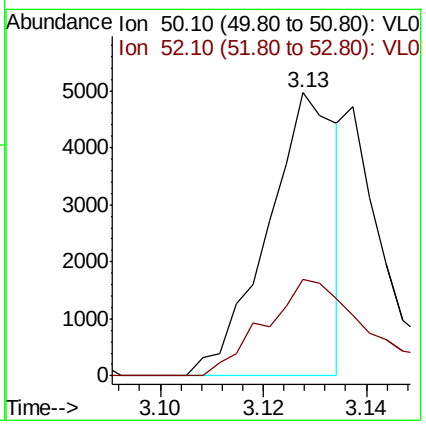


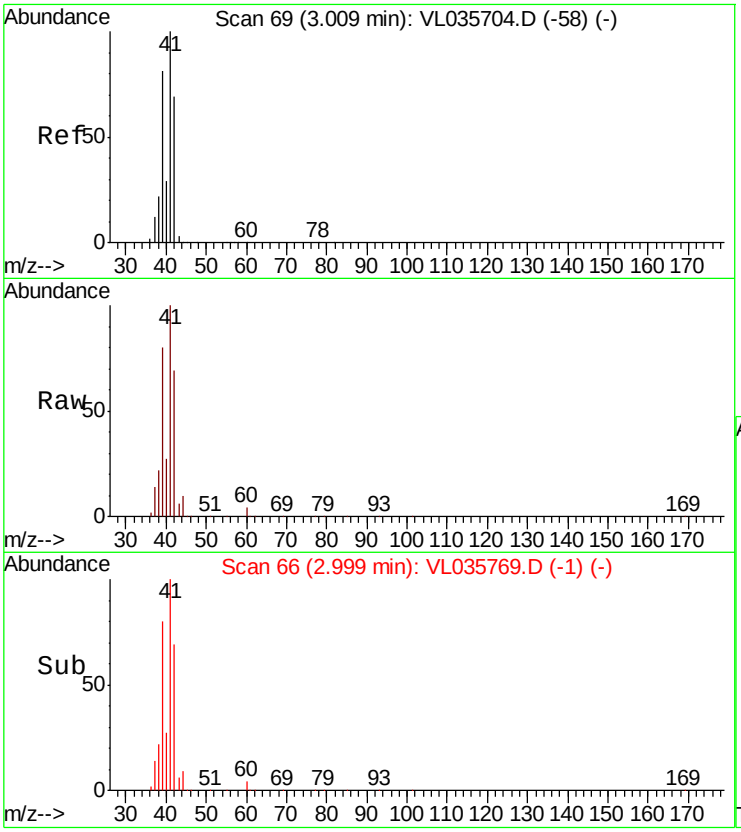


#4
Chloromethane
Concen: 0.065 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 50 Resp: 4629

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.8	40.2



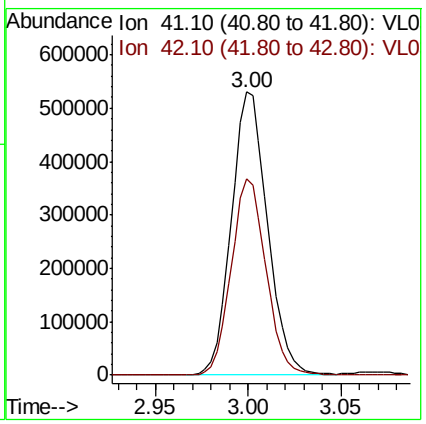


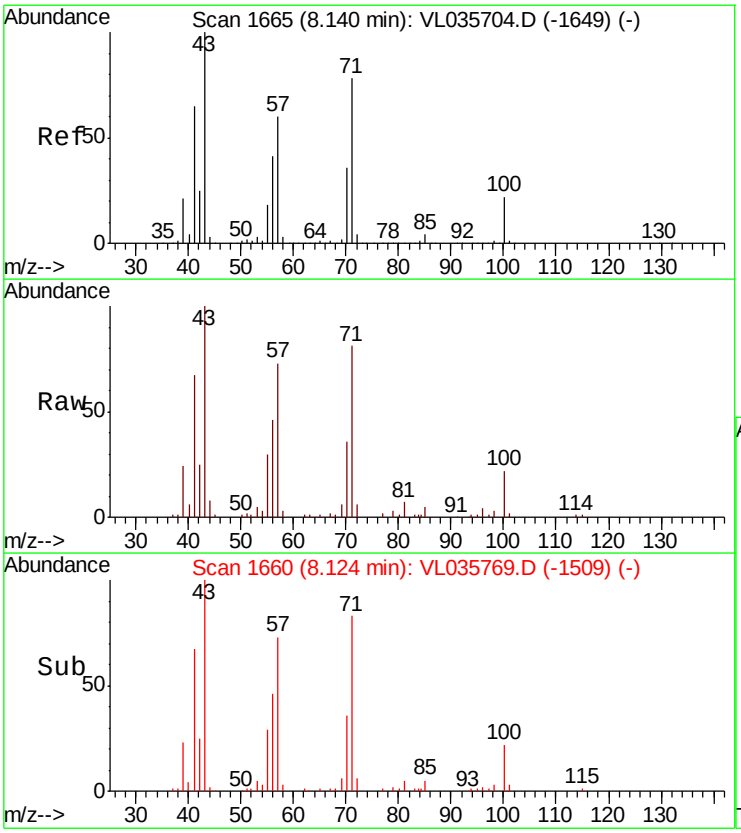
#9
Propene
Concen: 14.849 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tgt Ion: 41 Resp: 718218

Ion	Ratio	Lower	Upper
41	100		
42	66.8	56.2	84.4

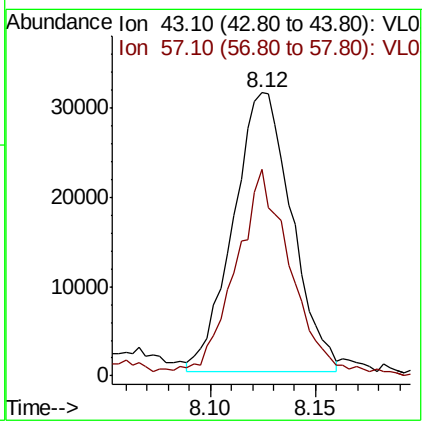


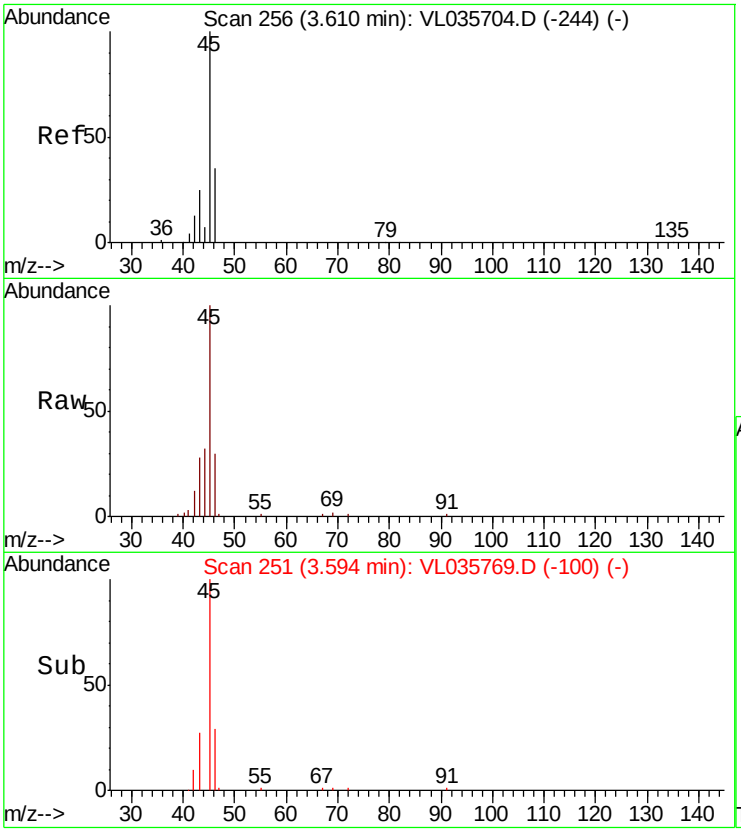


#10
Heptane
Concen: 0.449 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 43 Resp: 60480

Ion	Ratio	Lower	Upper
43	100		
57	69.5	50.4	75.6



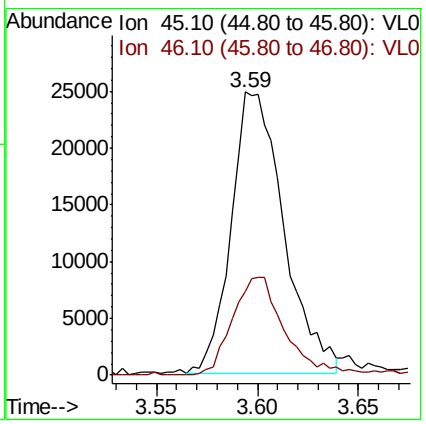


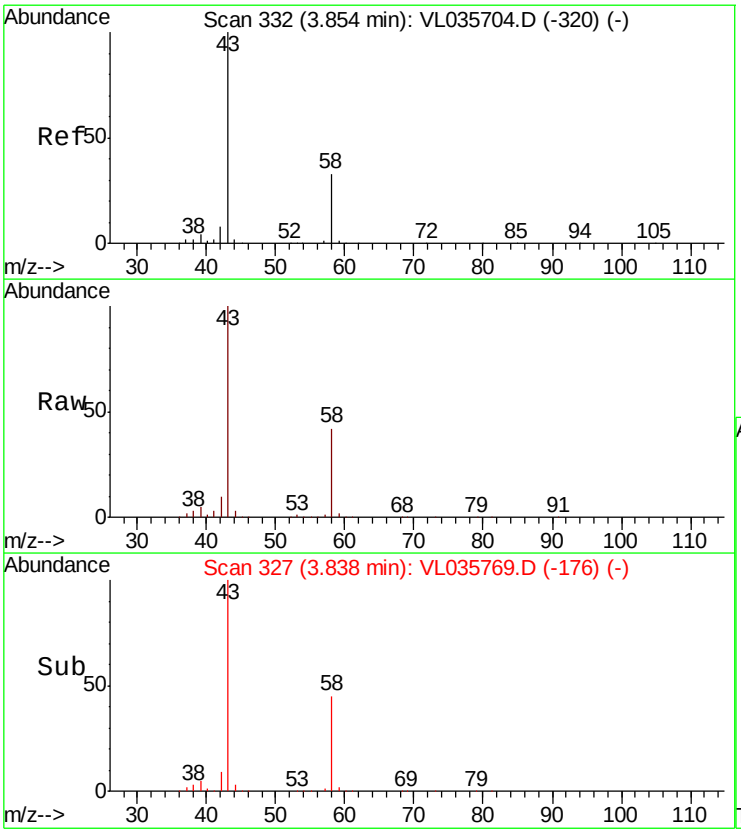
#13
Ethanol
Concen: 3.797 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tgt Ion: 45 Resp: 45289

Ion	Ratio	Lower	Upper
45	100		
46	35.9	14.7	58.7

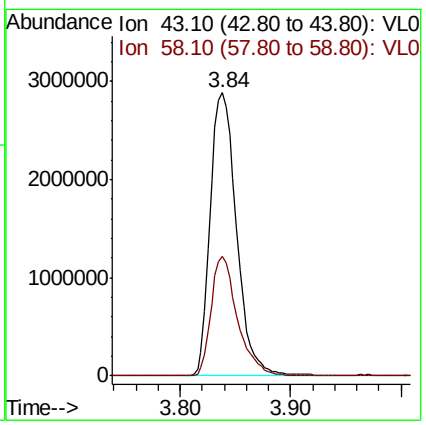


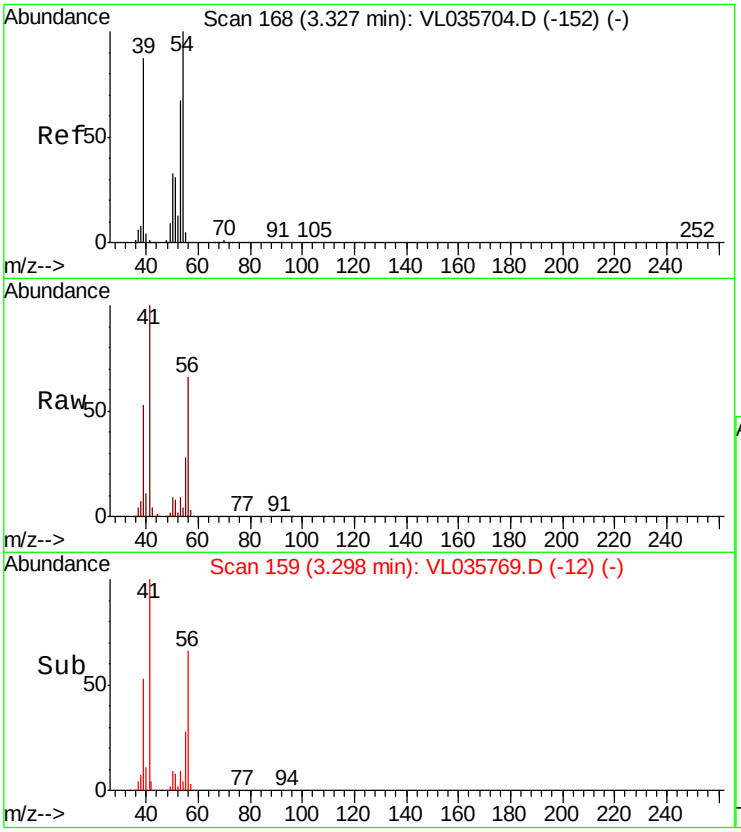


#15
Acetone
Concen: 35.801 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 43 Resp: 4770190

Ion	Ratio	Lower	Upper
43	100		
58	42.7	27.3	40.9#



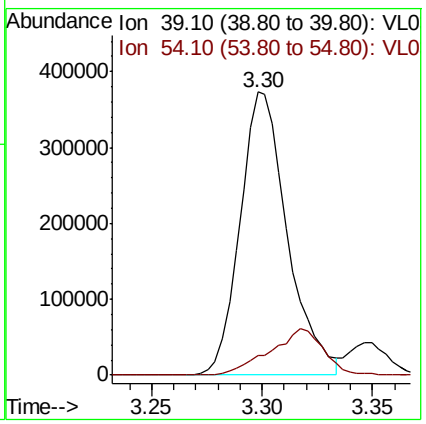


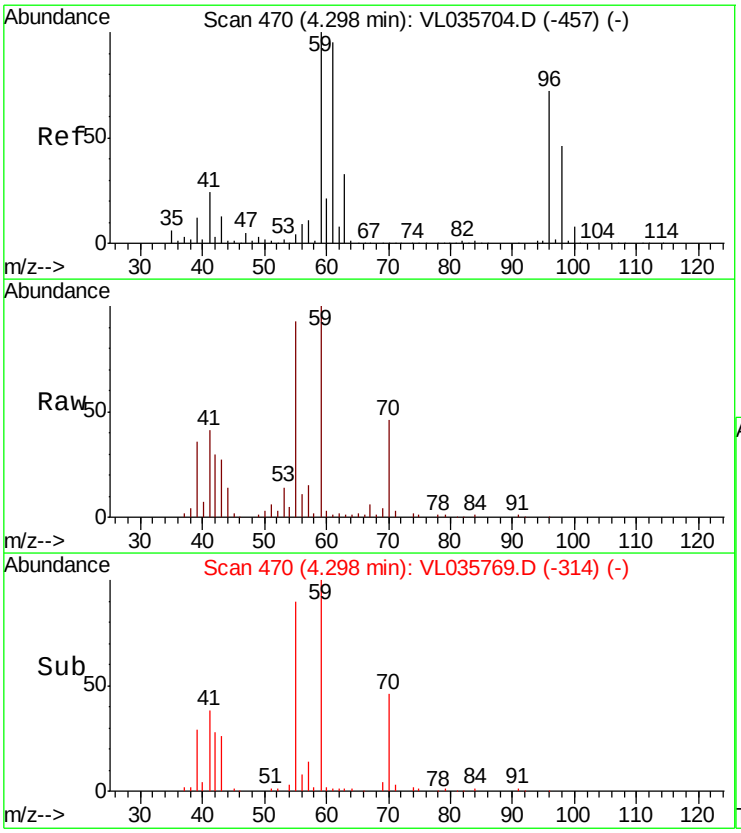
#16
1,3-Butadiene
Concen: 11.381 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 39 Resp: 554794

Ion	Ratio	Lower	Upper
39	100		
54	18.8	87.4	131.0#

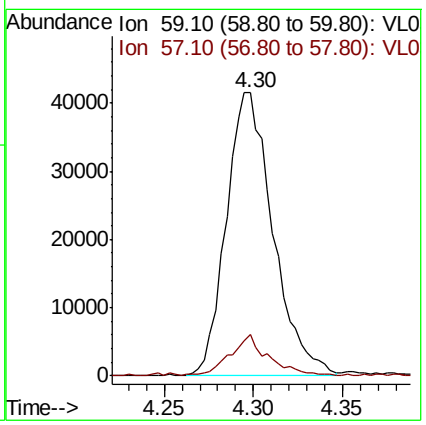


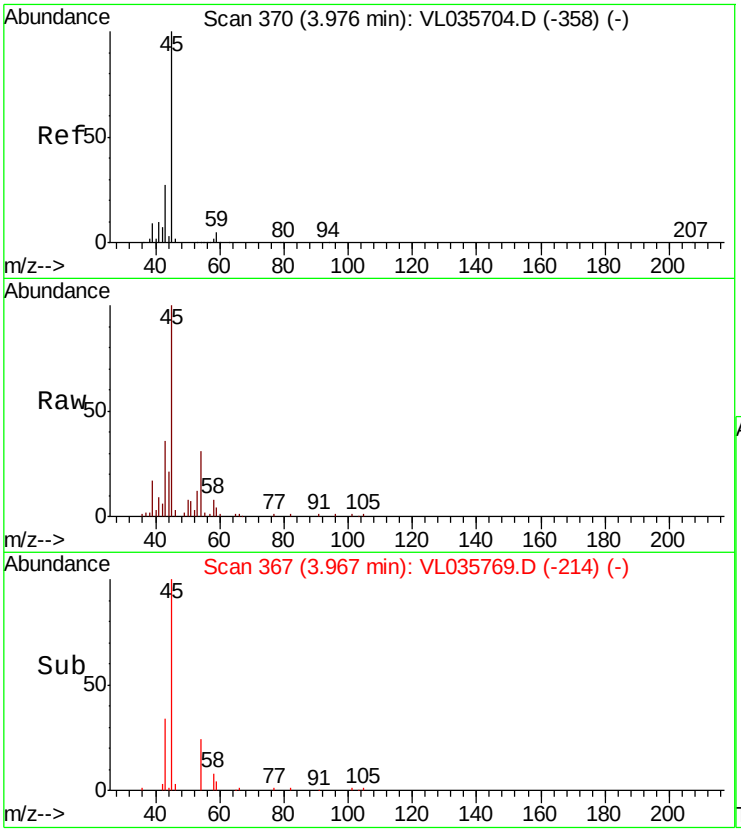


#17
tert-Butyl alcohol
Concen: 0.523 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 59 Resp: 75839

Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.5	12.7



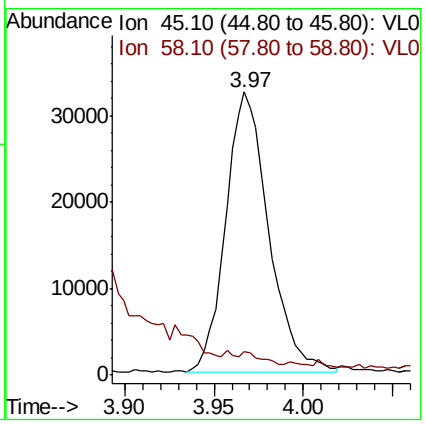


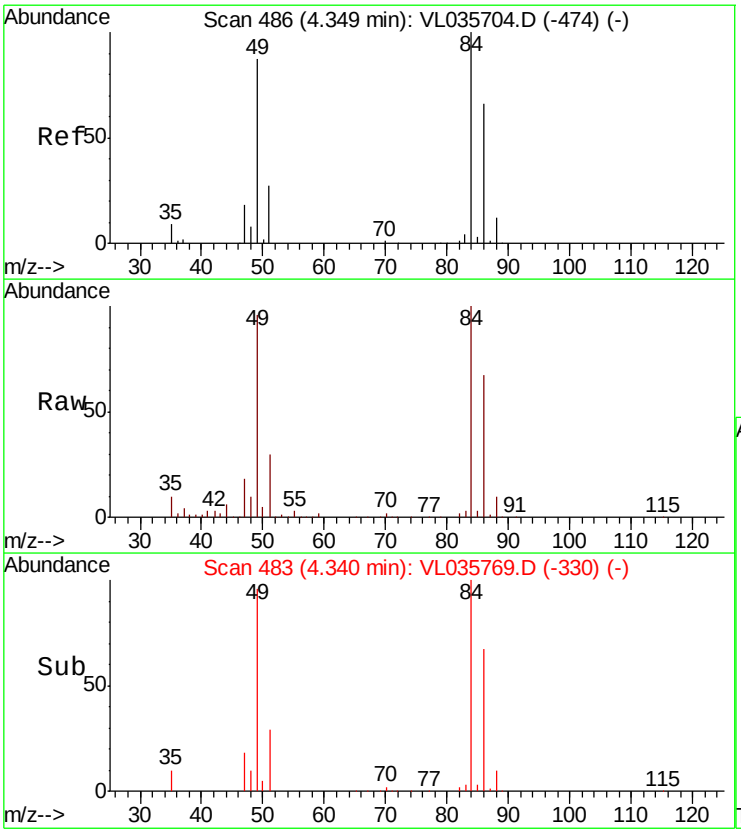
#19
Isopropyl Alcohol
Concen: 0.746 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 45 Resp: 54045

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#

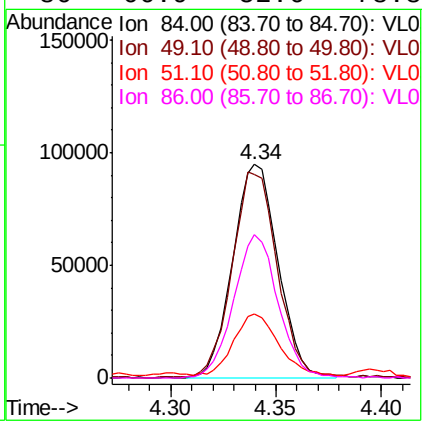


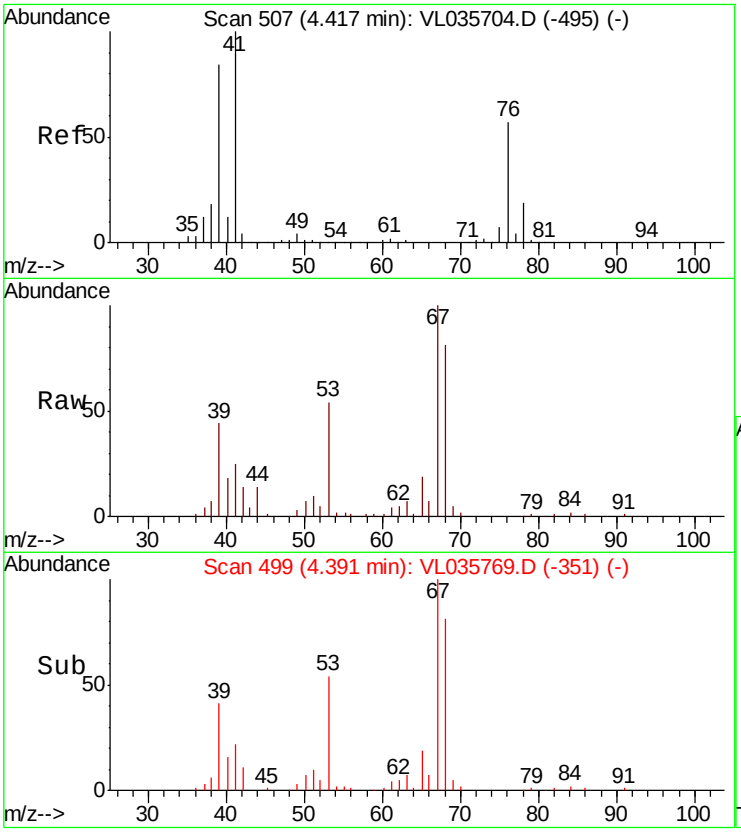


#20
Methylene Chloride
Concen: 1.439 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 84 Resp: 140876

Ion	Ratio	Lower	Upper
84	100		
49	95.3	69.8	104.6
51	28.3	21.8	32.8
86	66.9	52.6	78.8



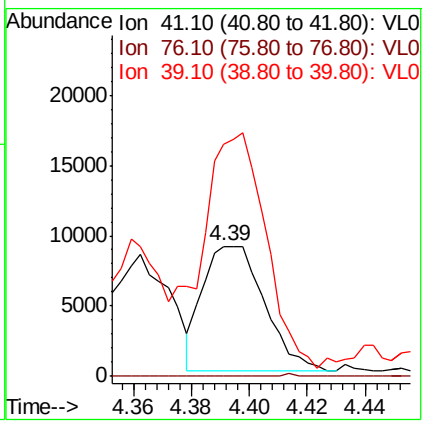


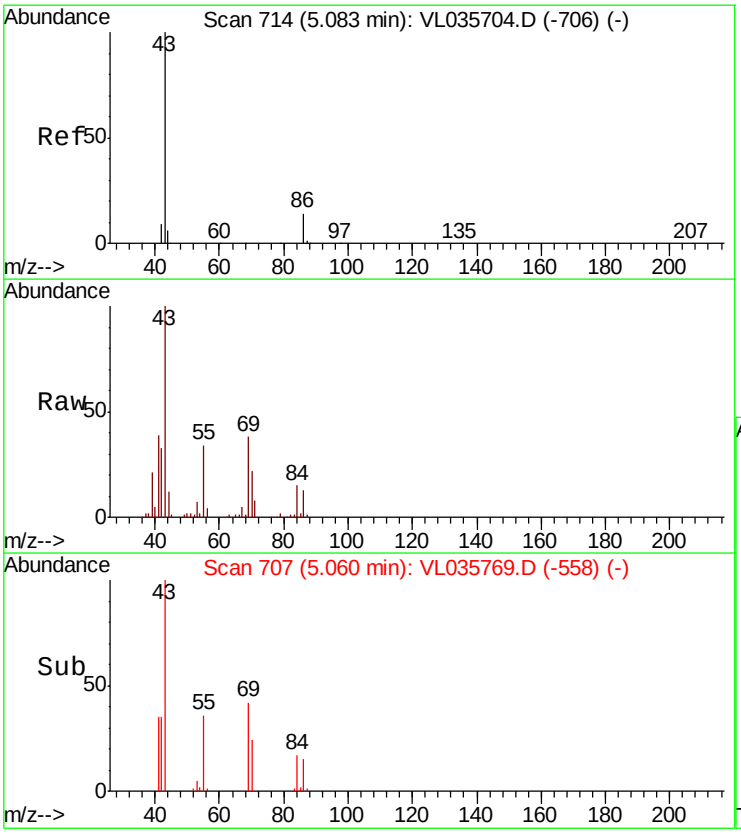
#21
Allyl Chloride
Concen: 0.205 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.03 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 41 Resp: 13222

Ion	Ratio	Lower	Upper
41	100		
76	0.0	44.8	67.2#
39	270.6	68.4	102.6#

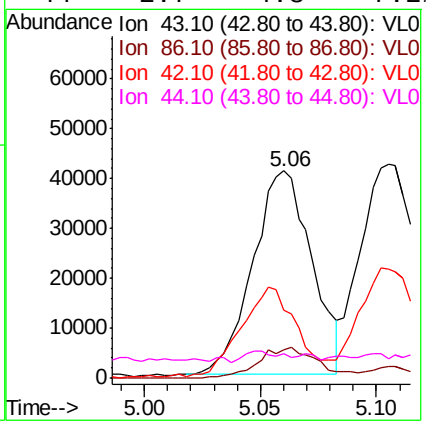


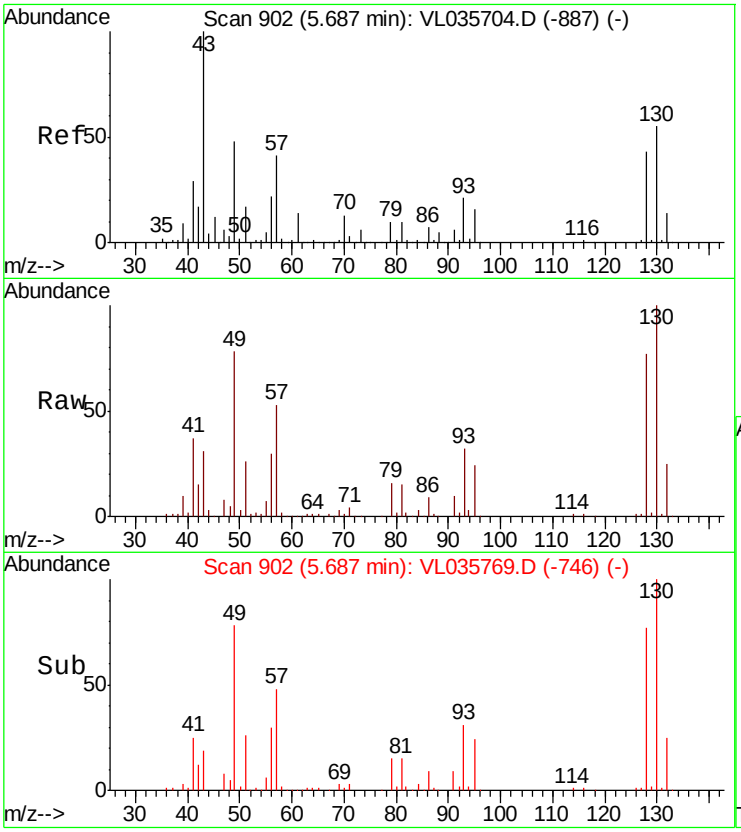


#23
Vinyl Acetate
Concen: 0.441 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 43 Resp: 71974

Ion	Ratio	Lower	Upper
43	100		
86	13.7	9.7	14.5
42	32.8	7.9	11.9#
44	2.7	4.8	7.2#



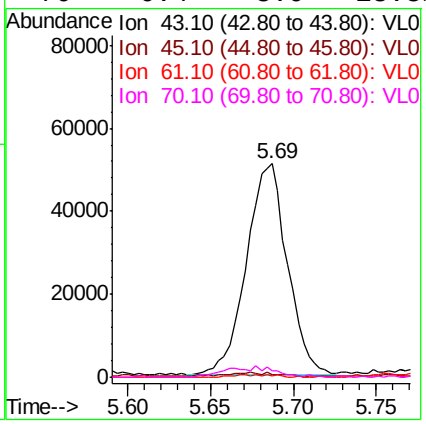


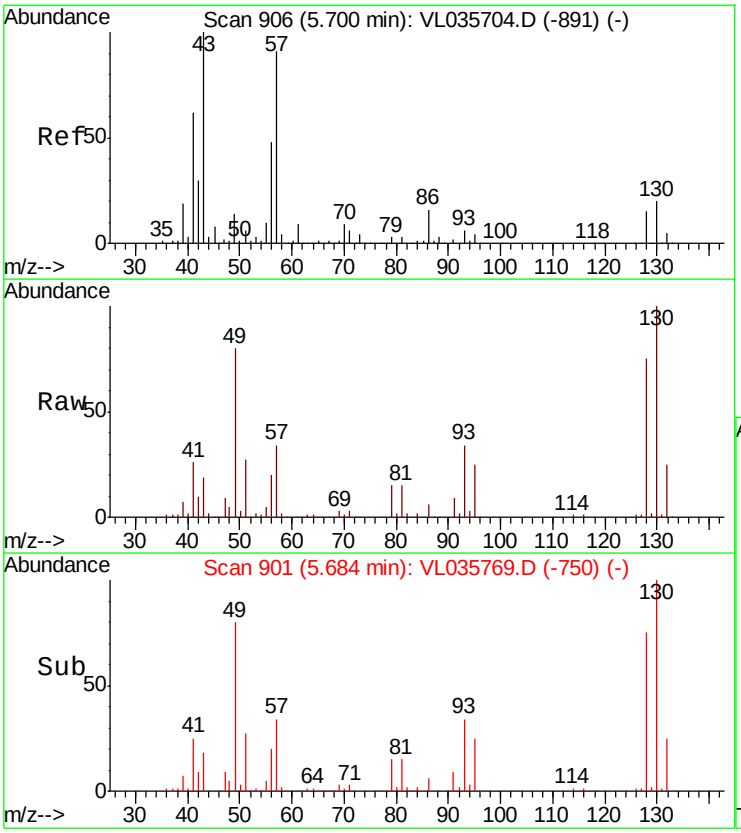
#25
Ethyl Acetate
Concen: 0.364 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 43 Resp: 87274

Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.6	12.8#
61	1.5	10.4	15.6#
70	6.4	8.9	13.3#

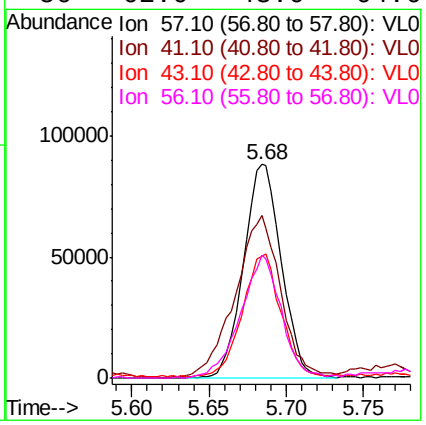


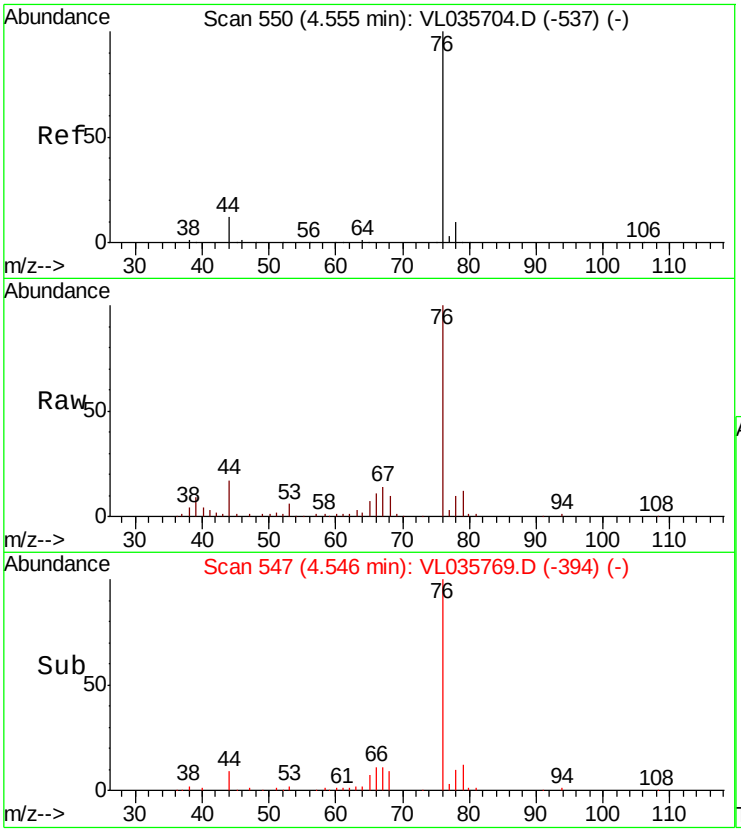


#26
Hexane
Concen: 1.145 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 57 Resp: 150412

Ion	Ratio	Lower	Upper
57	100		
41	91.1	57.9	86.9#
43	58.7	143.8	215.6#
56	62.0	43.0	64.6



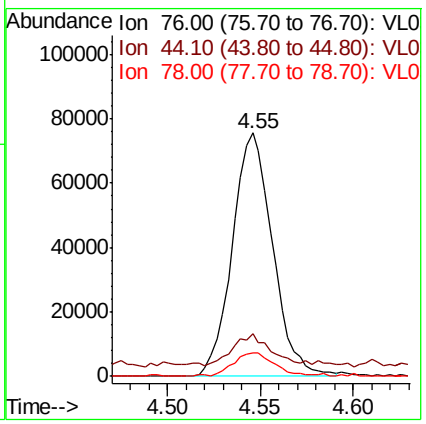


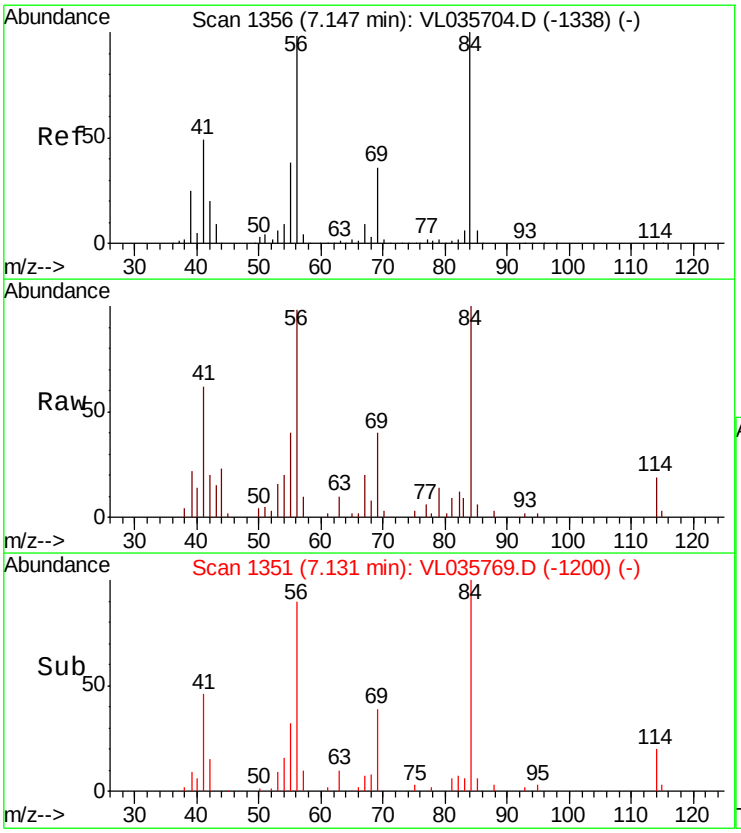
#27
Carbon Disulfide
Concen: 0.583 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tgt Ion: 76 Resp: 114164

Ion	Ratio	Lower	Upper
76	100		
44	16.3	9.7	14.5#
78	11.0	7.8	11.8

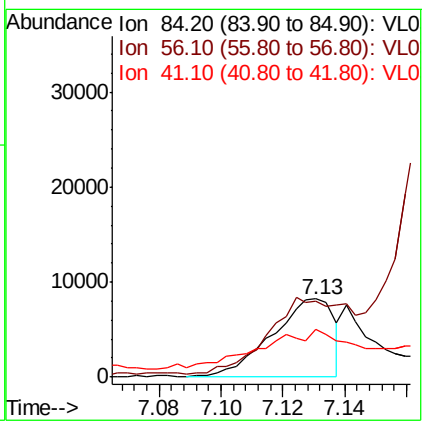


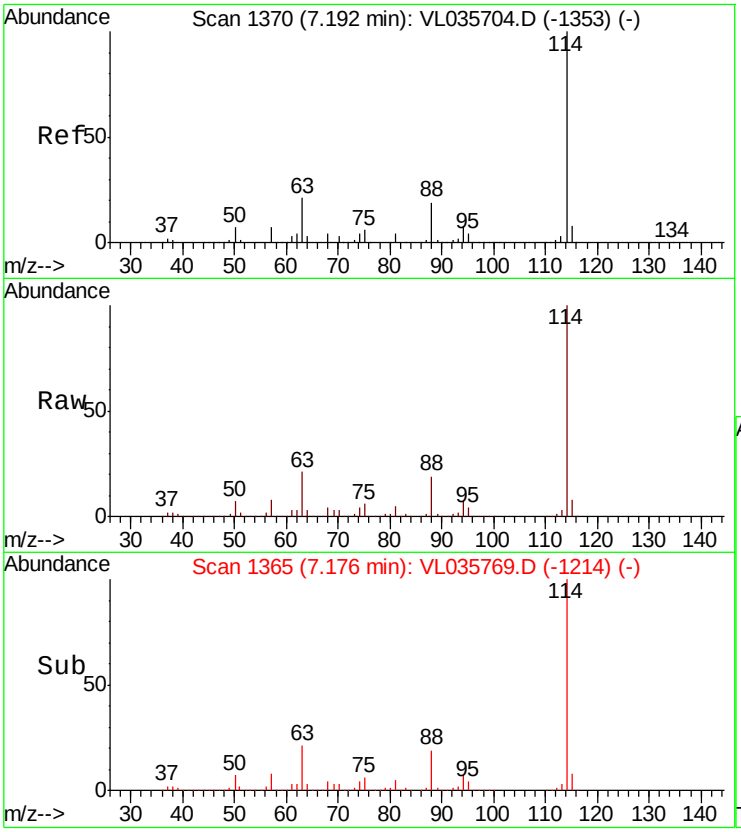


#30
Cyclohexane
Concen: 0.088 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 84 Resp: 11437

Ion	Ratio	Lower	Upper
84	100		
56	0.0	84.6	127.0#
41	70.4	41.1	61.7#



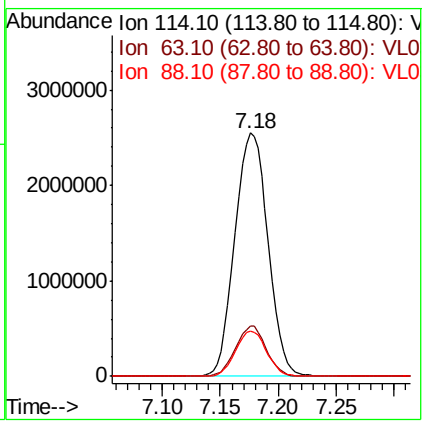


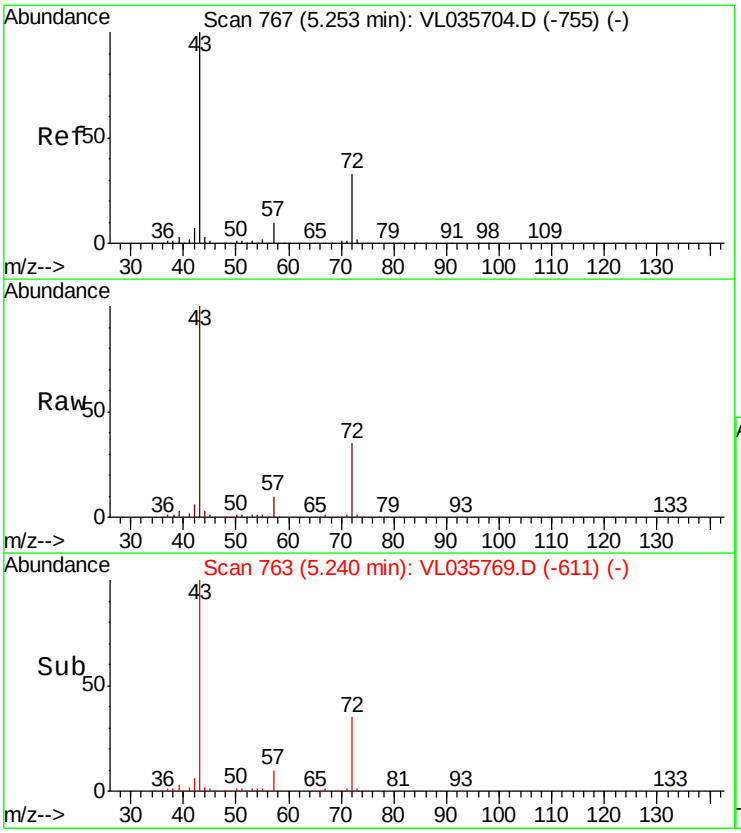
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion:114 Resp: 5068542

Ion	Ratio	Lower	Upper
114	100		
63	19.2	16.1	24.1
88	17.6	14.1	21.1

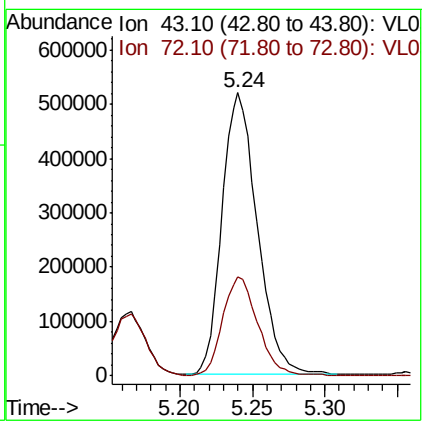


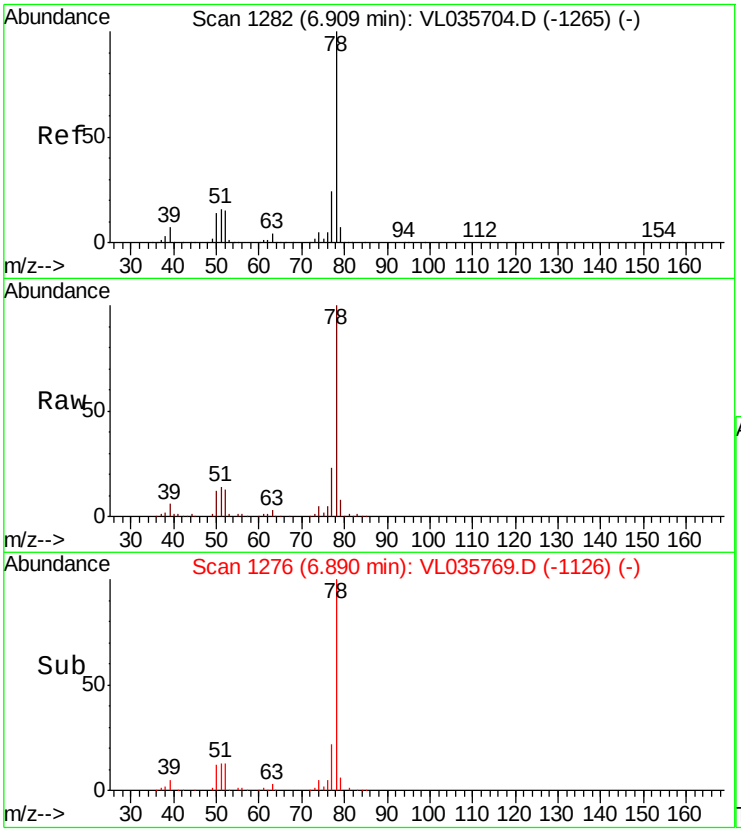


#34
2-Butanone
Concen: 5.230 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 43 Resp: 876852

Ion	Ratio	Lower	Upper
43	100		
72	35.3	26.1	39.1



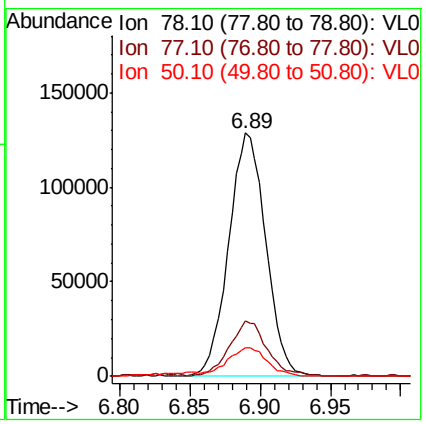


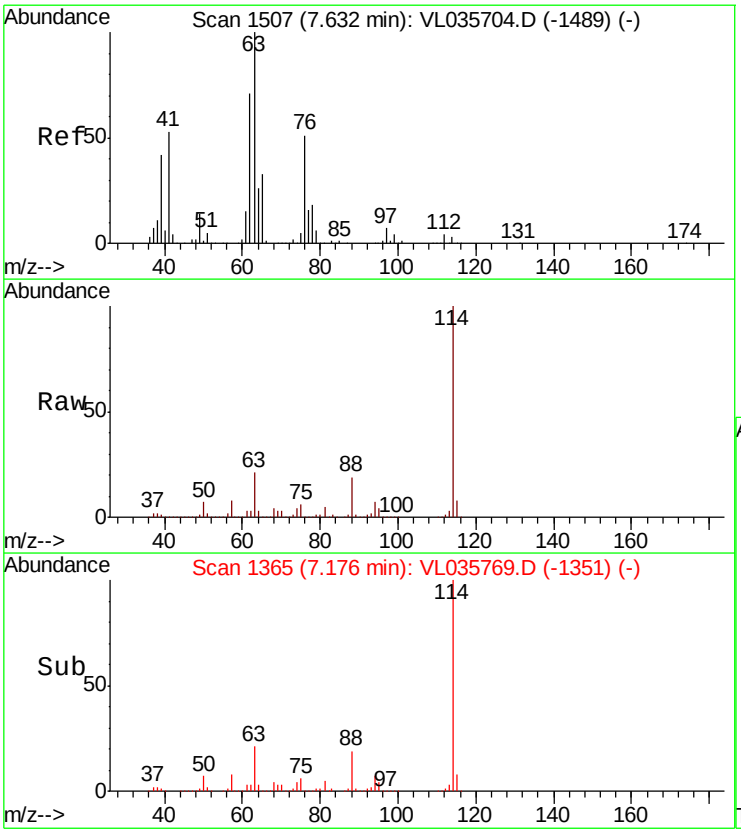
#36
Benzene
Concen: 0.718 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 78 Resp: 237073

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.3	28.9
50	11.6	11.6	17.4#

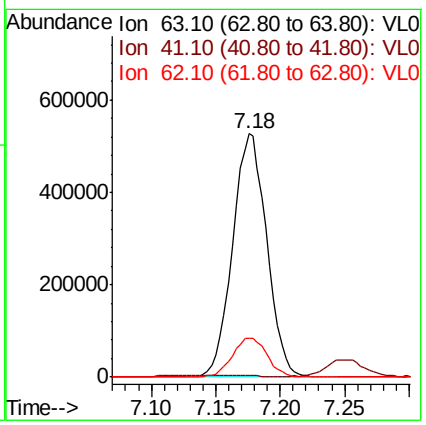


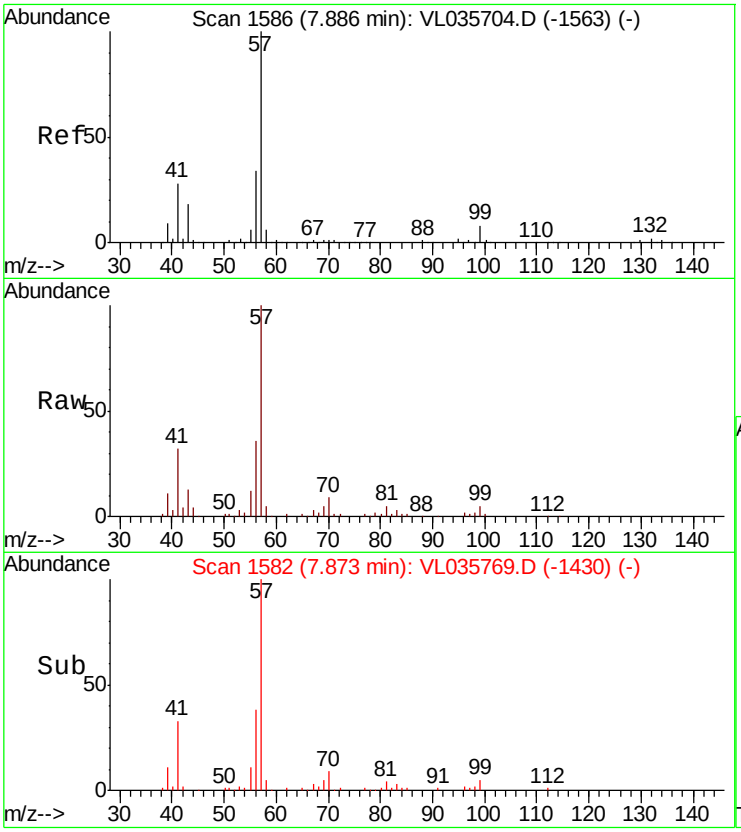


#39
1,2-Dichloropropane
Concen: 8.088 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.46 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 63 Resp: 968188

Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	16.0	56.5	84.7#



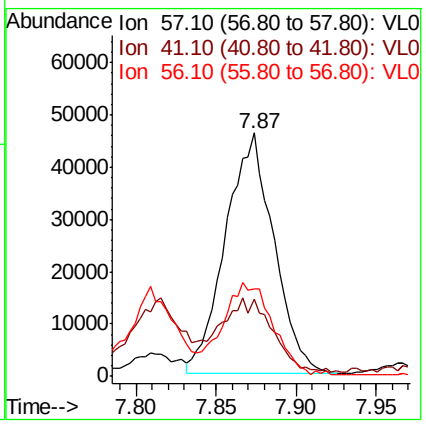


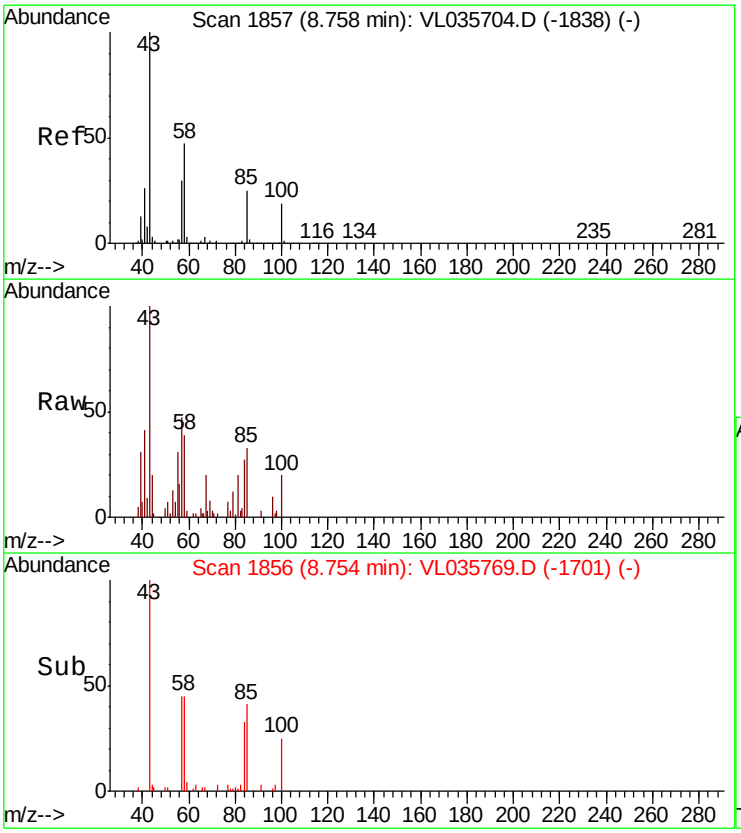
#44
2,2,4-Trimethylpentane
Concen: 0.201 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 57 Resp: 95343

Ion	Ratio	Lower	Upper
57	100		
41	33.6	21.2	31.8#
56	39.7	25.8	38.8#

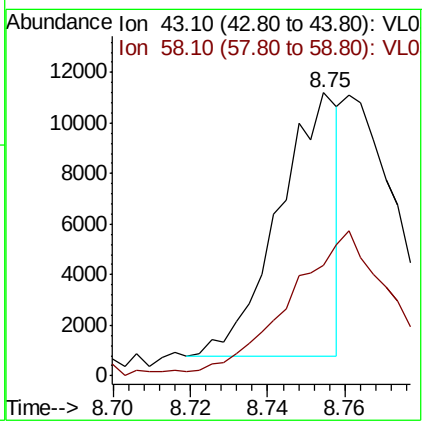


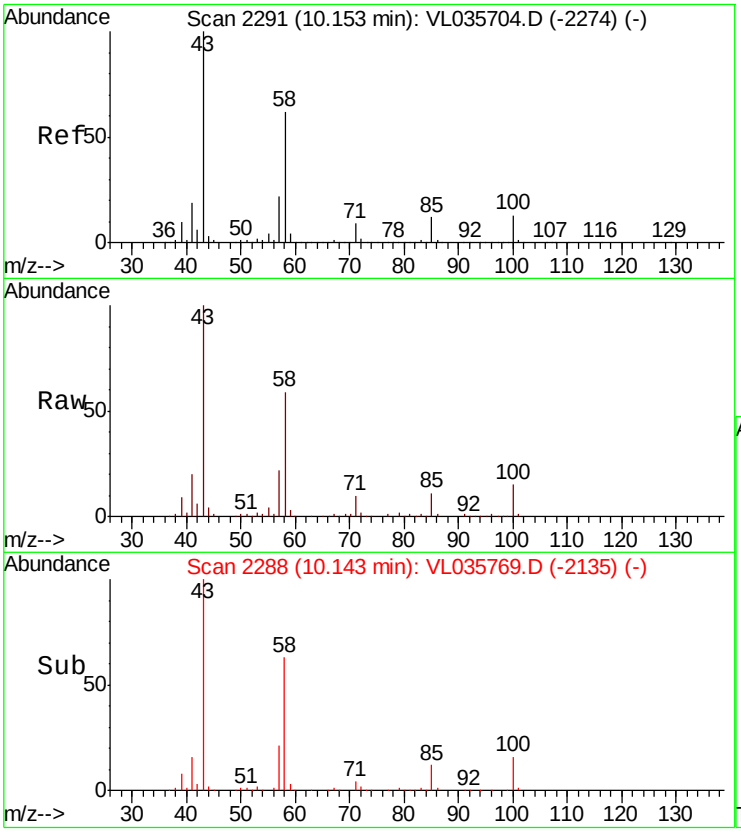


#50
4-Methyl-2-Pentanone
Concen: 0.046 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 43 Resp: 11190

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.6	54.8#



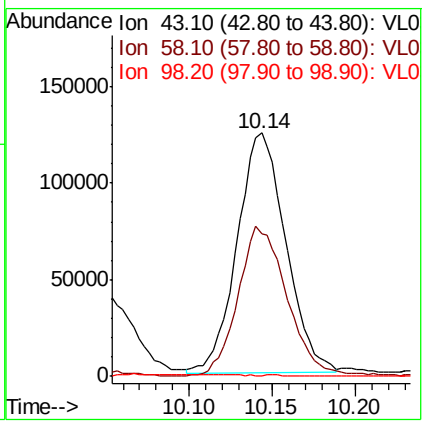


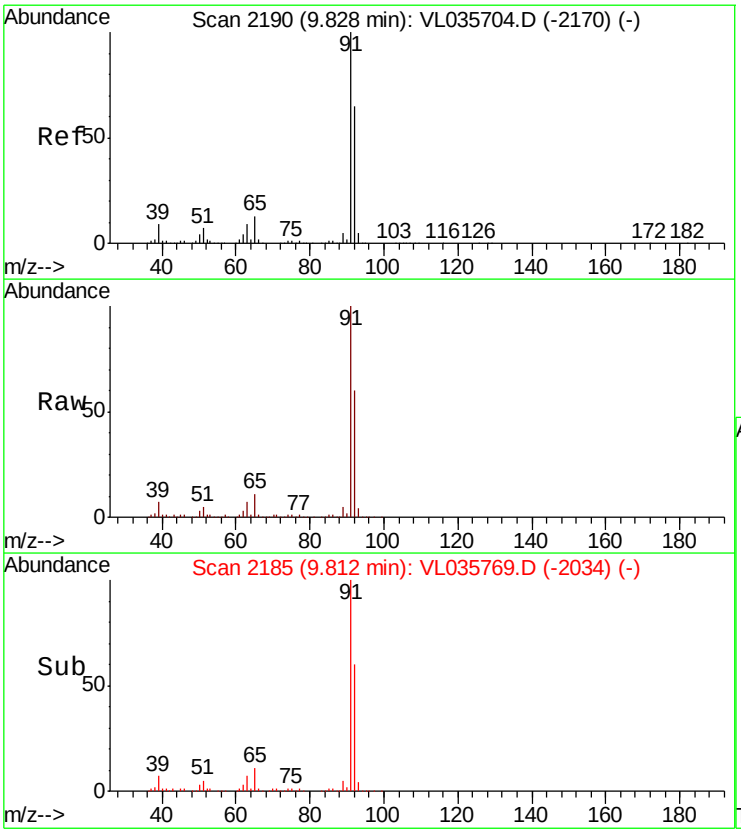
#51
2-Hexanone
Concen: 1.290 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 43 Resp: 254457

Ion	Ratio	Lower	Upper
43	100		
58	63.5	48.7	73.1
98	0.4	0.7	1.1#

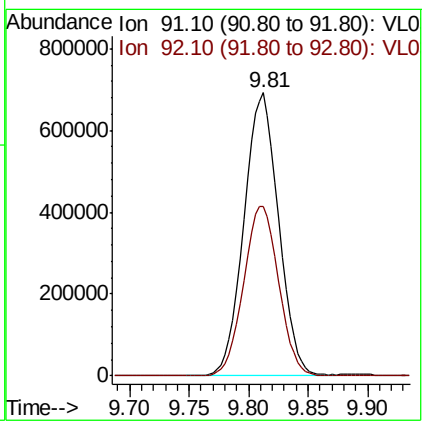


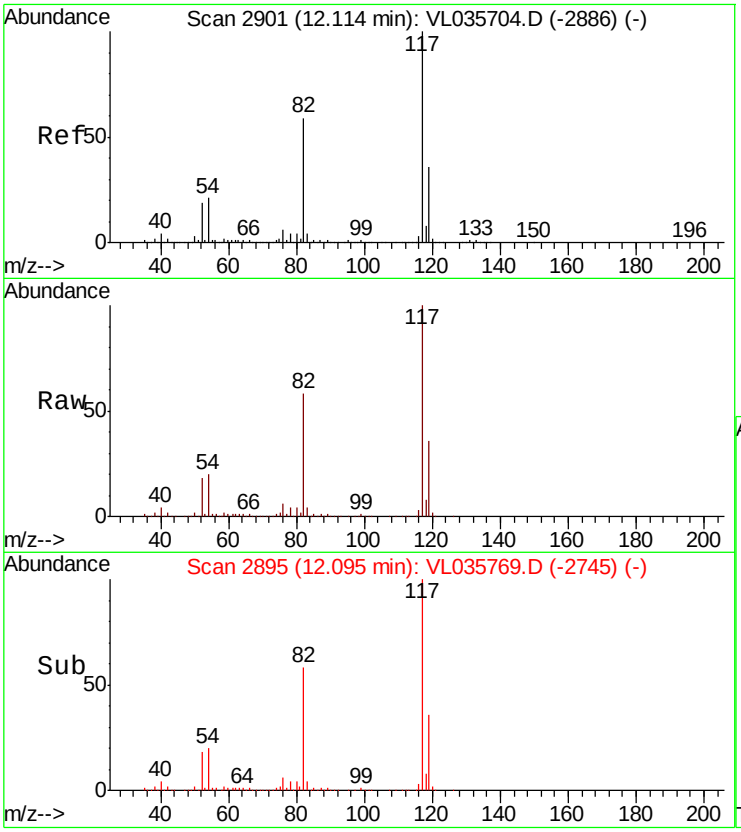


#53
Toluene
Concen: 3.575 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 91 Resp: 1392370

Ion	Ratio	Lower	Upper
91	100		
92	61.2	50.0	75.0



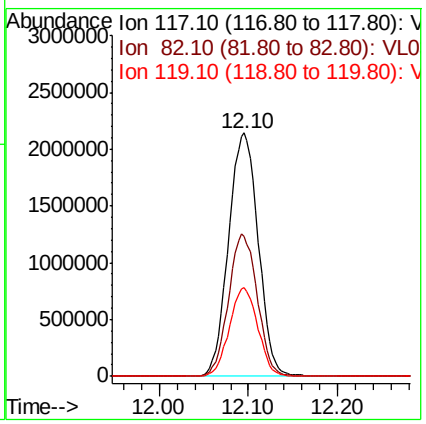


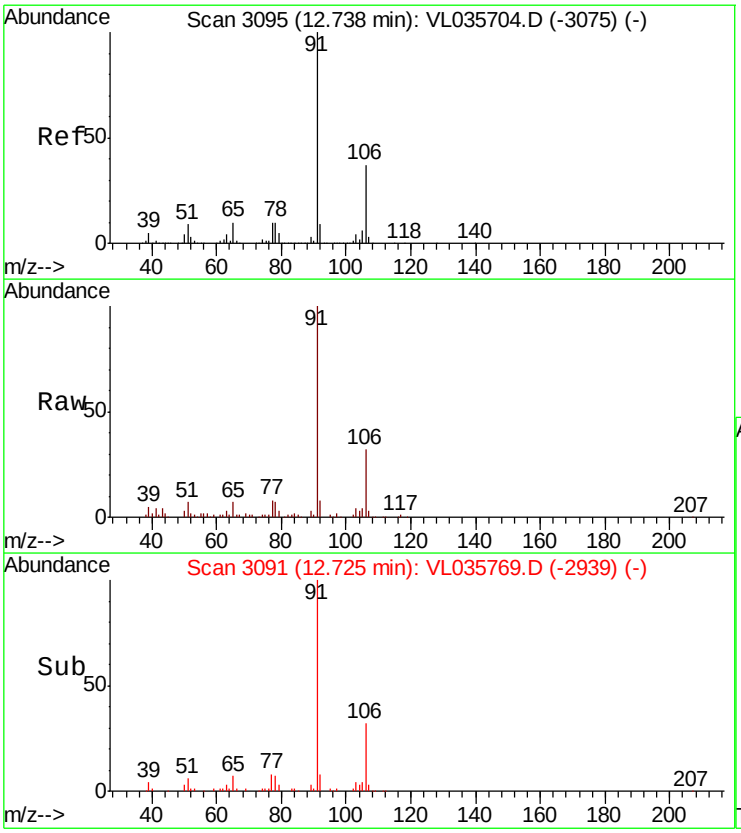
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion:117 Resp: 4955116

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.1	69.1
119	34.9	28.0	42.0

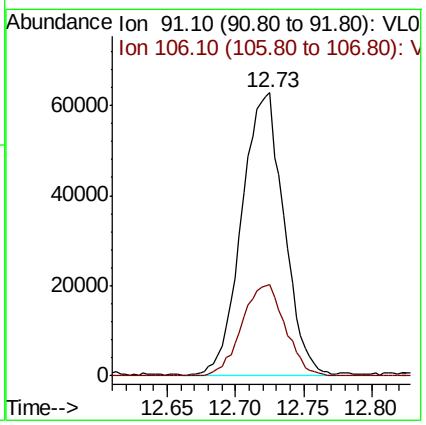


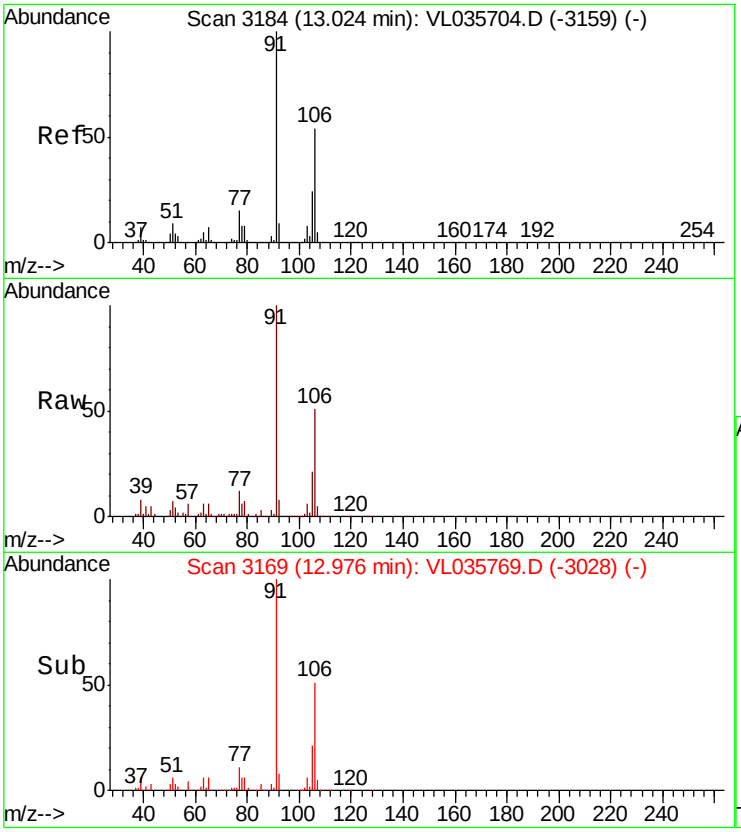


#58
Ethyl Benzene
Concen: 0.273 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 91 Resp: 135667

Ion	Ratio	Lower	Upper
91	100		
106	32.2	29.7	44.5



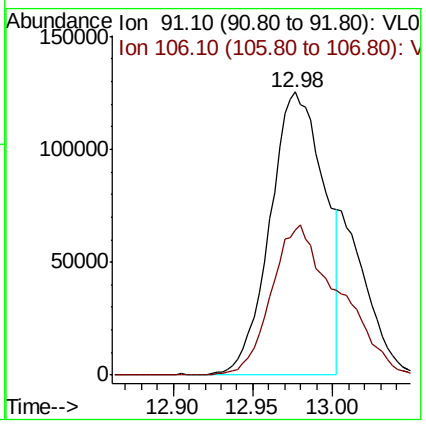


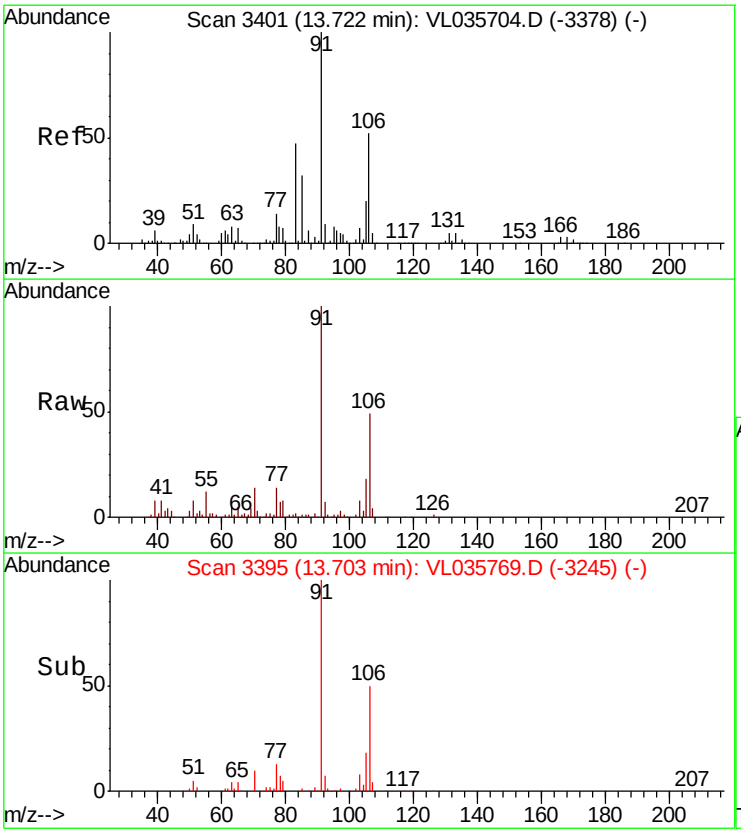
#59
m/p-Xylene
Concen: 0.683 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.05 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion: 91 Resp: 296559

Ion	Ratio	Lower	Upper
91	100		
106	66.4	41.4	62.0#

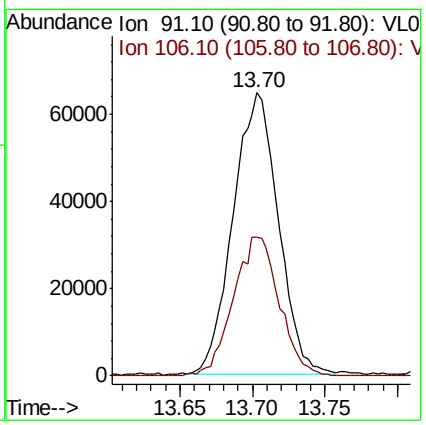


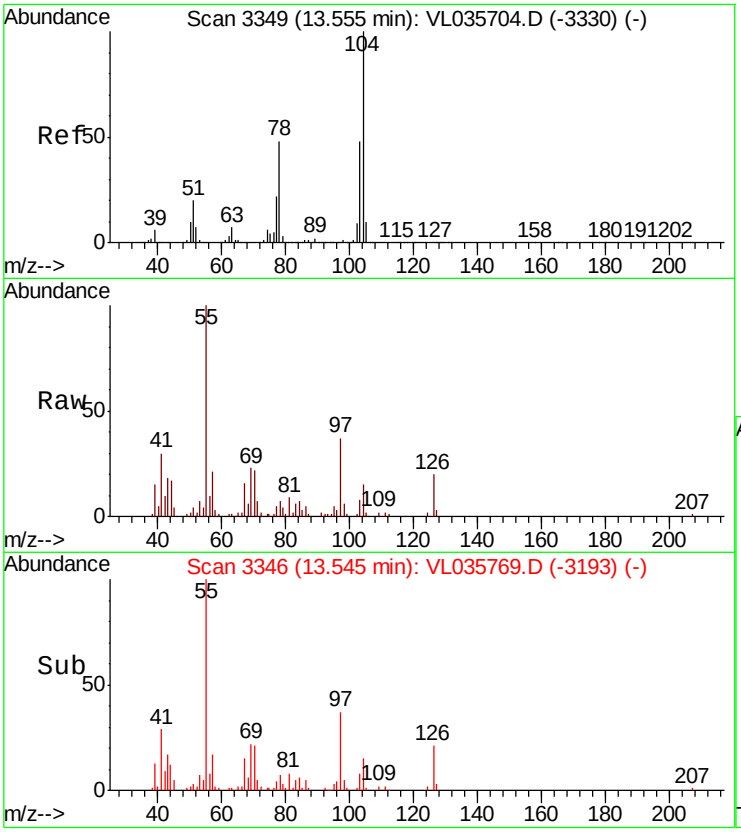


#60
o-Xylene
Concen: 0.319 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 91 Resp: 140209

Ion	Ratio	Lower	Upper
91	100		
106	50.4	25.0	75.0



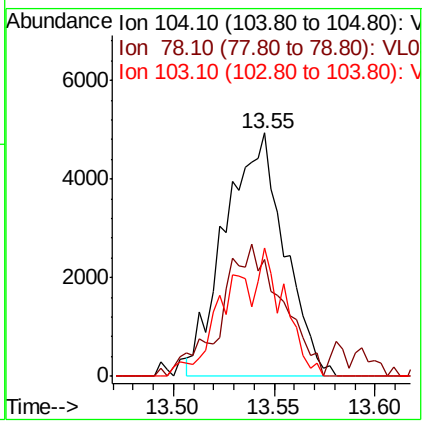


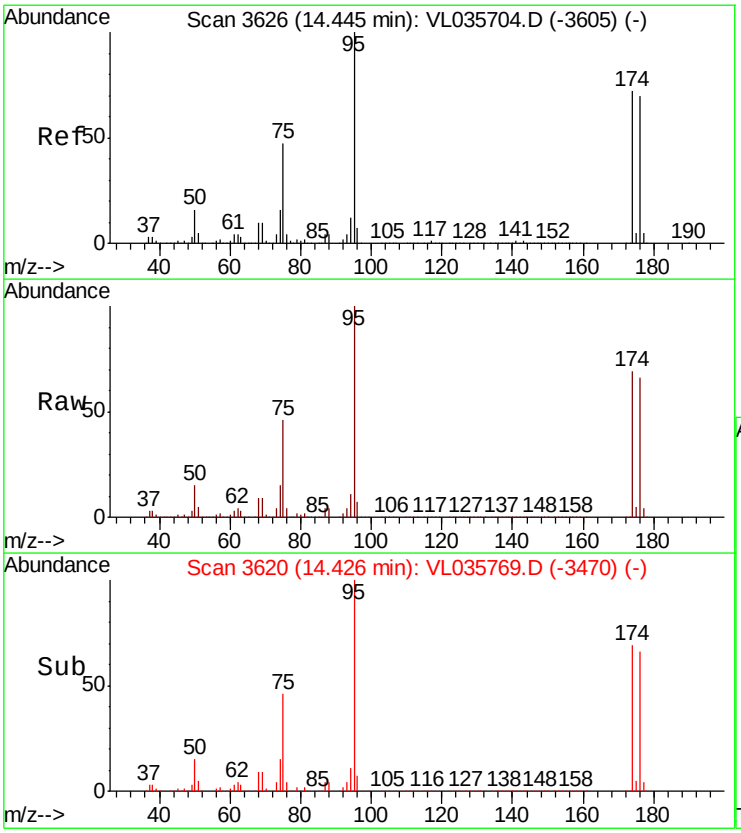
#61
Styrene
Concen: 0.033 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument : MSVOA_L
ClientSampleId : 5DL

Tgt Ion:104 Resp: 10129

Ion	Ratio	Lower	Upper
104	100		
78	55.6	37.2	55.8
103	50.2	38.2	57.2

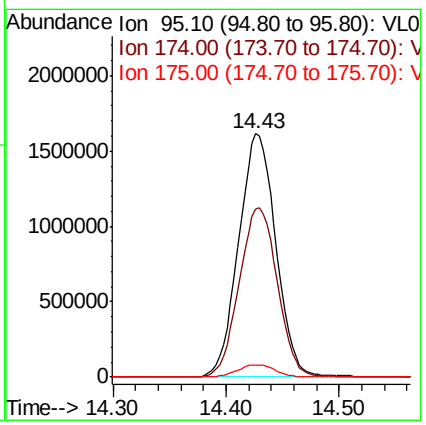


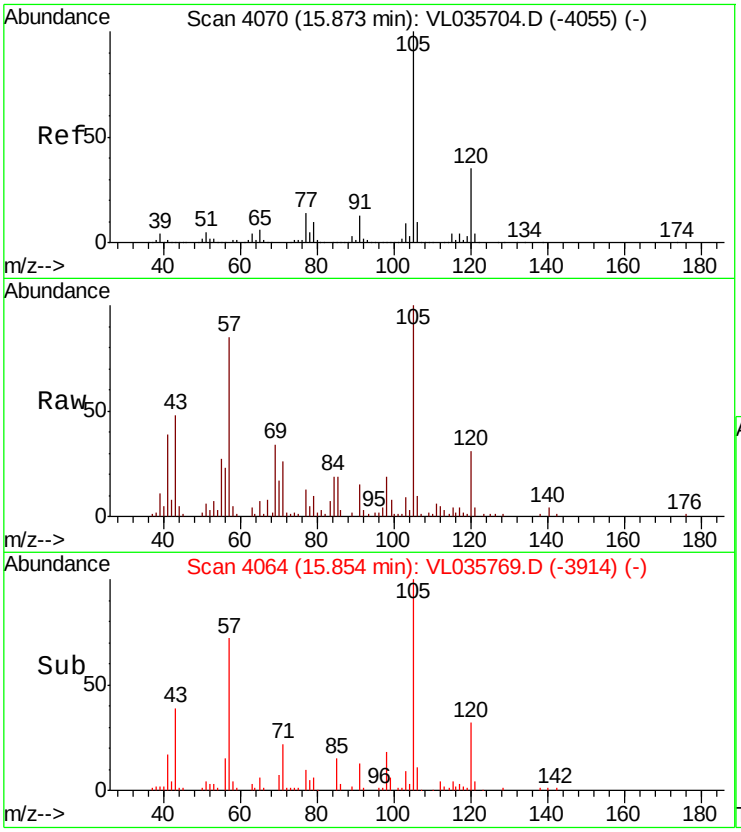


#68
1-Bromo-4-Fluorobenzene
Concen: 9.947 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion: 95 Resp: 3693454

Ion	Ratio	Lower	Upper
95	100		
174	72.1	59.6	89.4
175	5.2	4.2	6.4



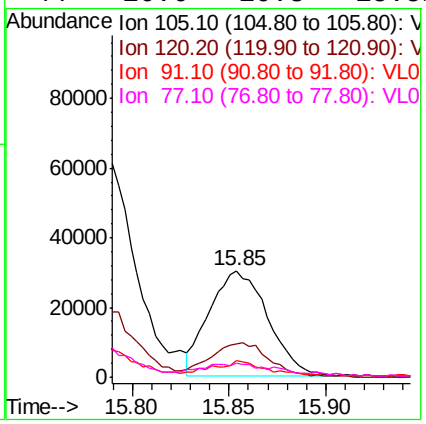


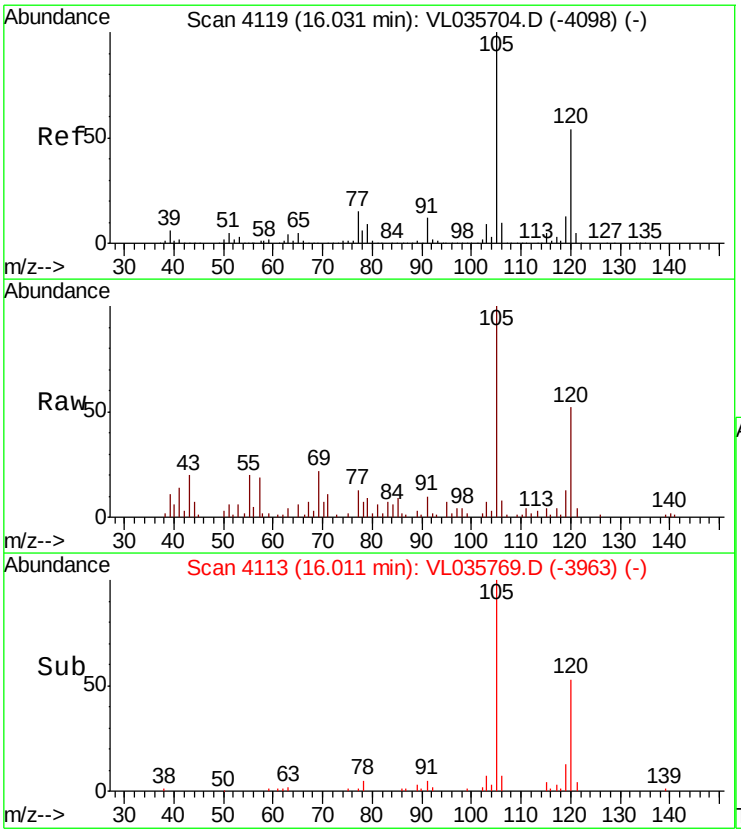
#72
4-Ethyltoluene
Concen: 0.122 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tgt Ion:105 Resp: 63386

Ion	Ratio	Lower	Upper
105	100		
120	34.5	26.5	39.7
91	14.3	10.2	15.2
77	16.6	10.3	15.5#

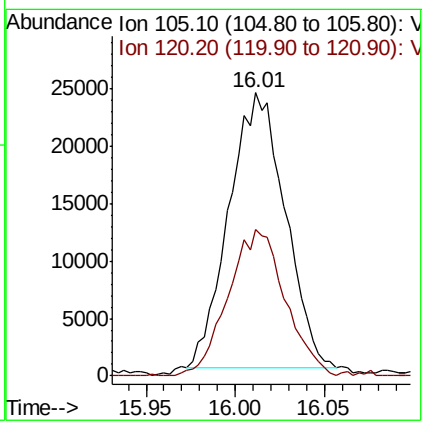


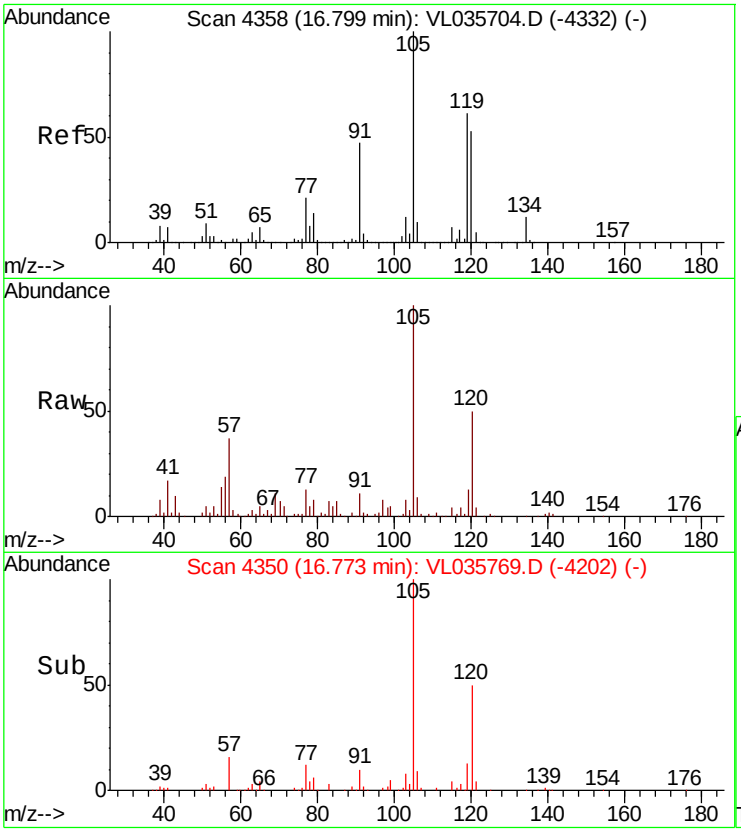


#73
1,3,5-Trimethylbenzene
Concen: 0.107 ppbv
RT: 16.01 min Scan# 4113
Delta R.T. -0.02 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion:105 Resp: 52731

Ion	Ratio	Lower	Upper
105	100		
120	53.1	43.0	64.4



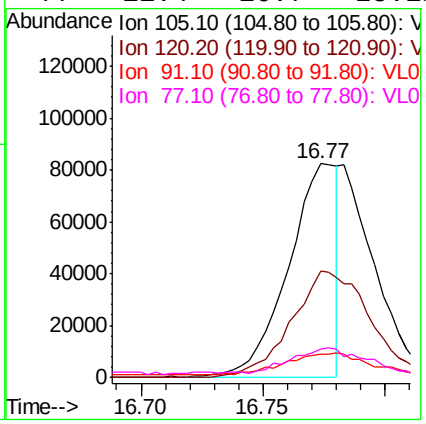


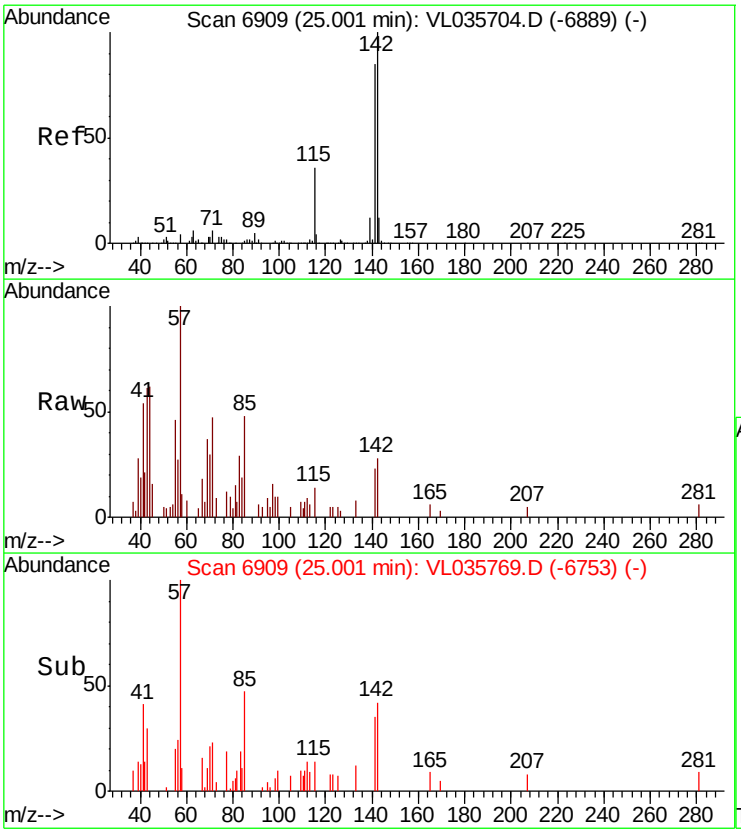
#74
1,2,4-Trimethylbenzene
Concen: 0.206 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.03 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Instrument :
MSVOA_L
ClientSampleId :
5DL

Tgt Ion:105 Resp: 114245

Ion	Ratio	Lower	Upper
105	100		
120	49.5	42.5	63.7
91	9.5	37.7	56.5#
77	11.4	16.7	25.1#





#80
Naphthalene,2-methyl-
Concen: 0.030 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL035769.D
Acq: 12 Oct 2020 19:55

Tgt Ion:142 Resp: 3773

Ion	Ratio	Lower	Upper
142	100		
141	71.7	68.2	102.4
115	37.2	27.8	41.6