Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035767.D
Acq On : 12 Oct 2020 18:36
Operator : SY/AP
Sample : L4347-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 4DL

Quant Time: Oct 13 00:05:44 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	1270117	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.18	114	5037615	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.10	117	4968596	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3787287	10.17	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	9264	0.044	ppbv	#	83
3) Chlorodifluoromethane	2.95	51	13158	0.096	ppbv	#	77
4) Chloromethane	3.13	50	7113	0.097	ppbv		94
9) Propene	3.00	41	1490478	30.042	ppbv		96
10) Heptane	8.12	43	125188	0.905	ppbv		100
13) Ethanol	3.60	45	97954	8.006	ppbv		98
15) Acetone	3.84	43	6039193	44.189	ppbv	#	84
16) 1,3-Butadiene	3.30	39	945707	18.915	ppbv	#	15
17) tert-Butyl alcohol	4.30	59	80524	0.541	ppbv	#	1
19) Isopropyl Alcohol	3.97	45	62432	0.840	ppbv	#	89
20) Methylene Chloride	4.34	84	198687	1.979	ppbv		97
21) Allyl Chloride	4.39	41	15613	0.236	ppbv	#	13
23) Vinyl Acetate	5.06	43	111359	0.665	ppbv	#	1
25) Ethyl Acetate	5.68	43	251345	1.022	ppbv	#	78
26) Hexane	5.69	57	425627	3.158	ppbv	#	48
27) Carbon Disulfide	4.55	76	601300	2.994	ppbv		99
30) Cyclohexane	7.13	84	74131	0.558	ppbv	#	85
34) 2-Butanone	5.24	43	913710	5.484	ppbv		97
36) Benzene	6.89	78	557932	1.700	ppbv	#	96
39) 1,2-Dichloropropane	7.18	63	995550	8.367	ppbv	#	30
41) Tetrahydrofuran	5.98	42	14390	0.171	ppbv	#	24
42) Bromodichloromethane	7.79	83	15113	0.055	ppbv	#	34
43) Methyl Methacrylate	7.99	69	3988	0.031	ppbv	#	53
44) 2,2,4-Trimethylpentane	7.87	57	158646	0.337	ppbv	#	81
50) 4-Methyl-2-Pentanone	8.75	43	27483	0.113	ppbv		98
51) 2-Hexanone	10.14	43	354072	1.806	ppbv	#	99
53) Toluene	9.81	91	976455	2.523	ppbv		99
58) Ethyl Benzene	12.72	91	167623	0.336	ppbv		96
59) m/p-Xylene	12.98	91	458275	1.052	ppbv		100
60) o-Xylene	13.70	91	163487	0.371	ppbv		100
64) n-propylbenzene	15.58	120	6597	0.033	ppbv	#	1
72) 4-Ethyltoluene	15.85	105	31386	0.060	ppbv	#	53
73) 1,3,5-Trimethylbenzene	16.01	105	57008	0.116	ppbv		92
74) 1,2,4-Trimethylbenzene	16.78	105	196089	0.353	ppbv	#	71

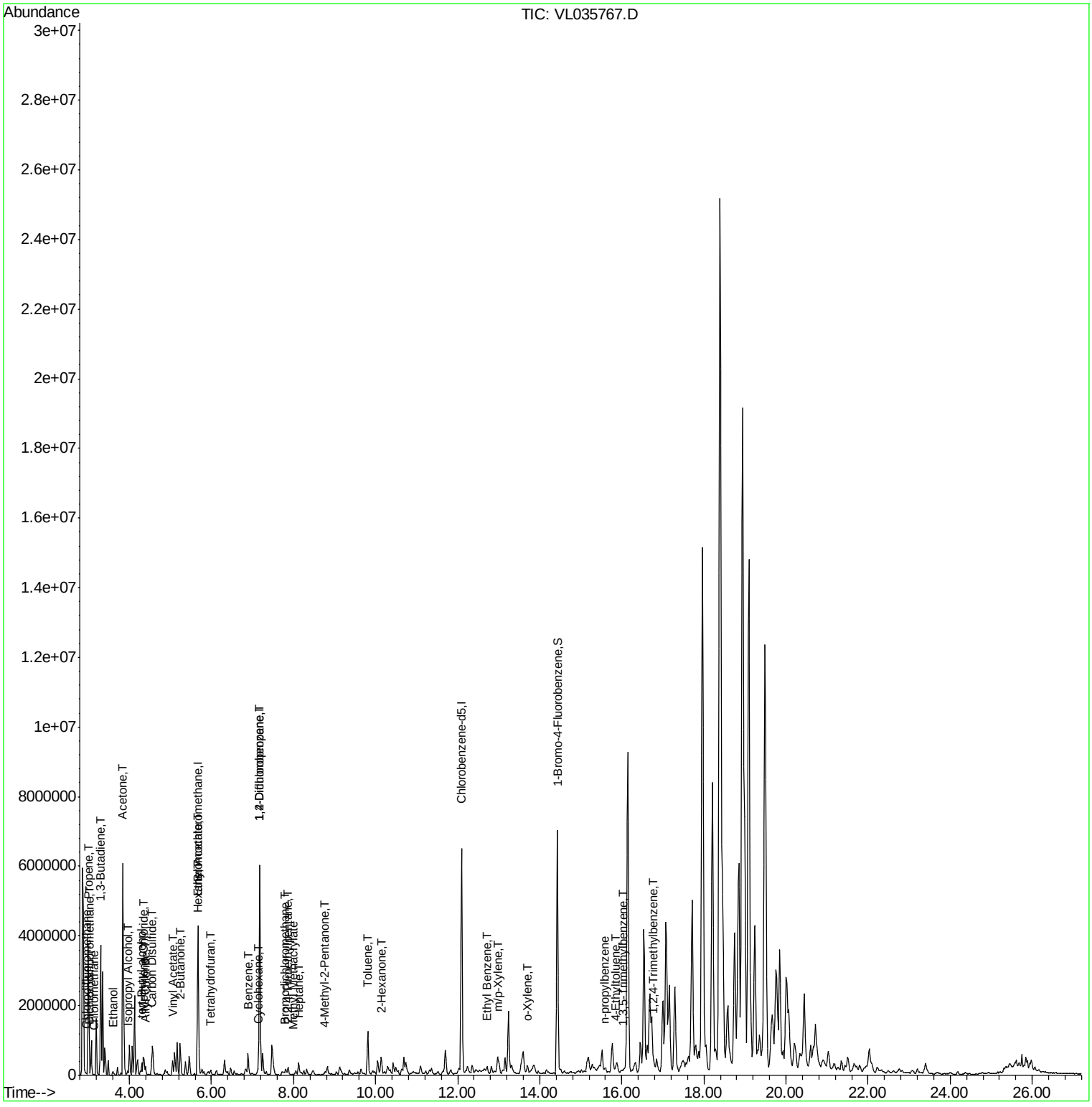
(#) = qualifier out of range (m) = manual integration (+) = signals summed

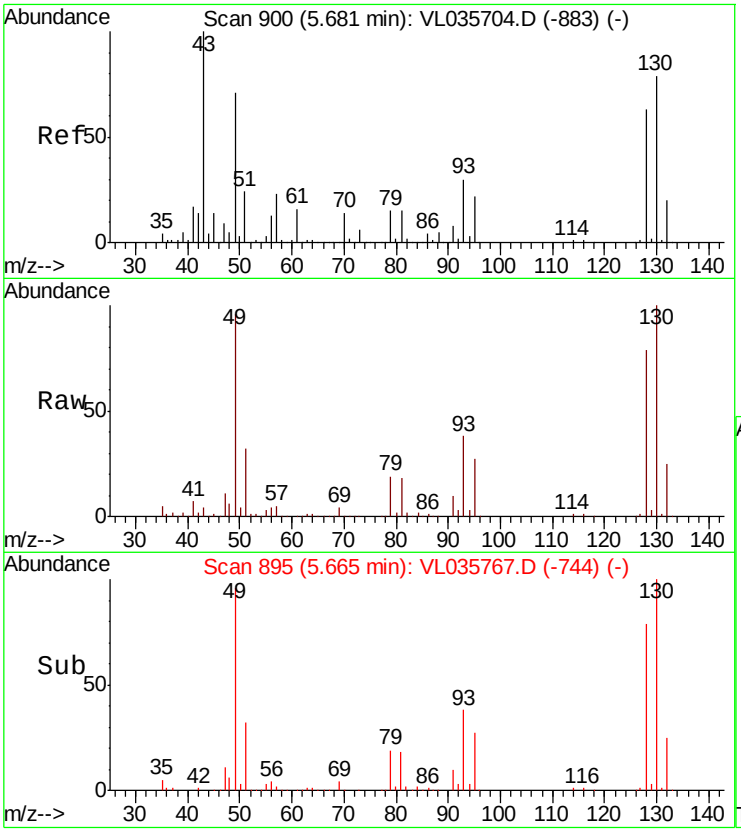
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
Data File : VL035767.D
Acq On : 12 Oct 2020 18:36
Operator : SY/AP
Sample : L4347-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 4DL

Quant Time: Oct 13 00:05:44 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



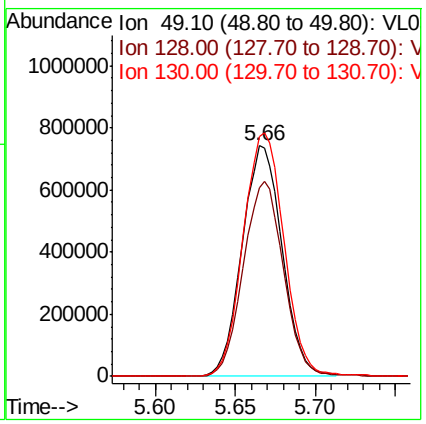


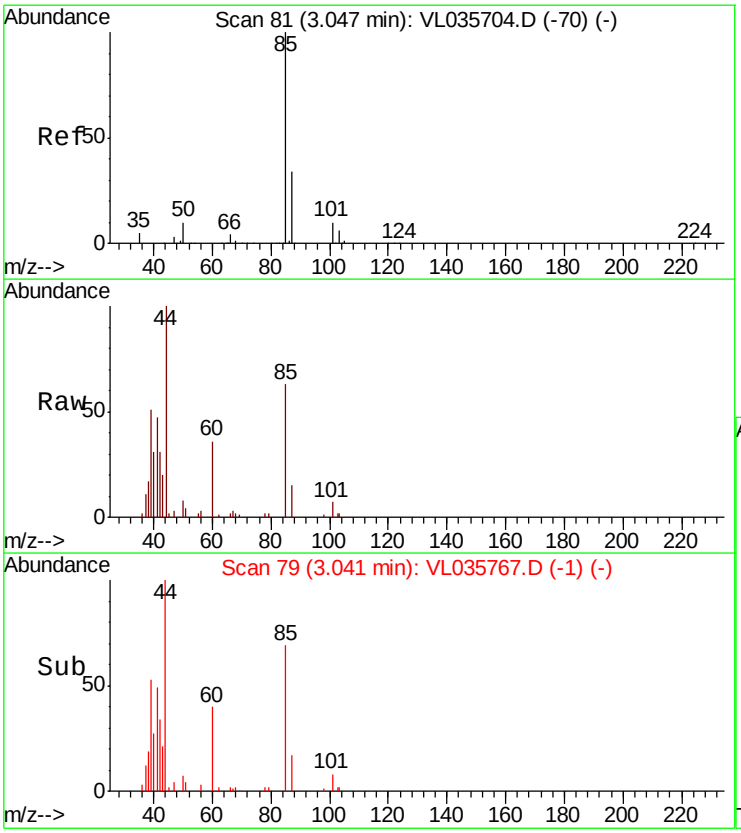
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument :
MSVOA_L
ClientSampleId :
4DL

Tgt Ion: 49 Resp: 1270117

Ion	Ratio	Lower	Upper
49	100		
128	85.2	43.1	129.4
130	108.2	54.9	164.7

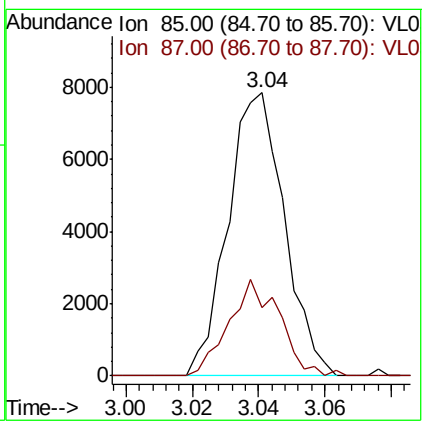


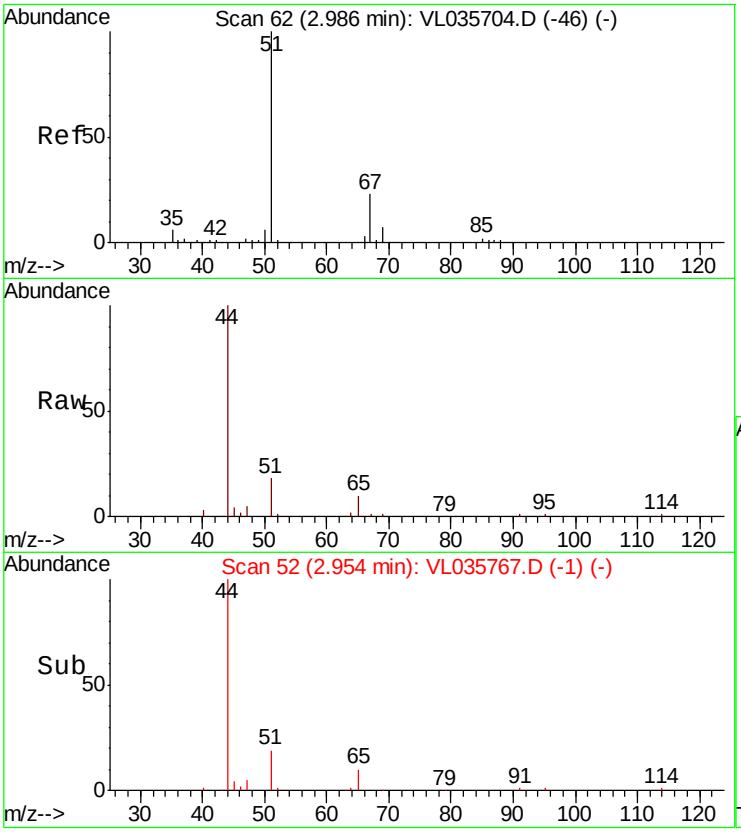


#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 85 Resp: 9264

Ion	Ratio	Lower	Upper
85	100		
87	24.1	27.3	40.9#



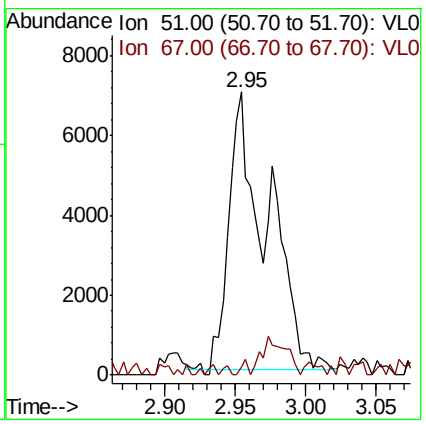


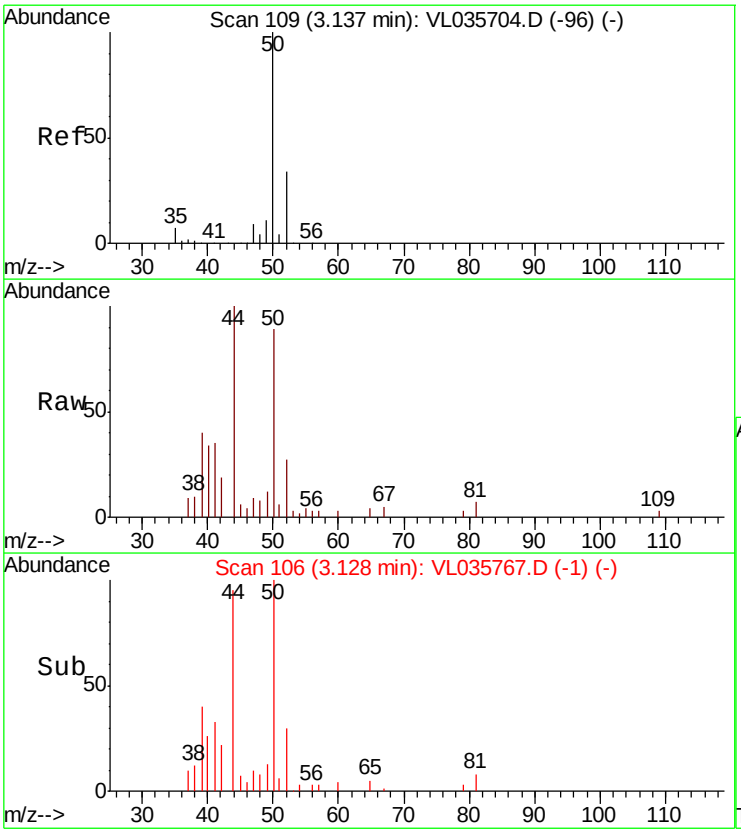
#3
Chlorodifluoromethane
Concen: 0.096 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.03 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 51 Resp: 13158

Ion	Ratio	Lower	Upper
51	100		
67	11.3	17.8	26.8#

Instrument :
MSVOA_L
ClientSampleId :
4DL

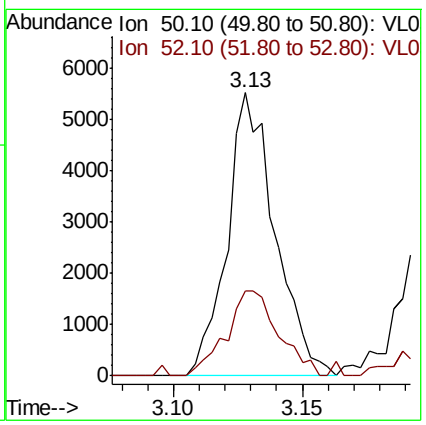


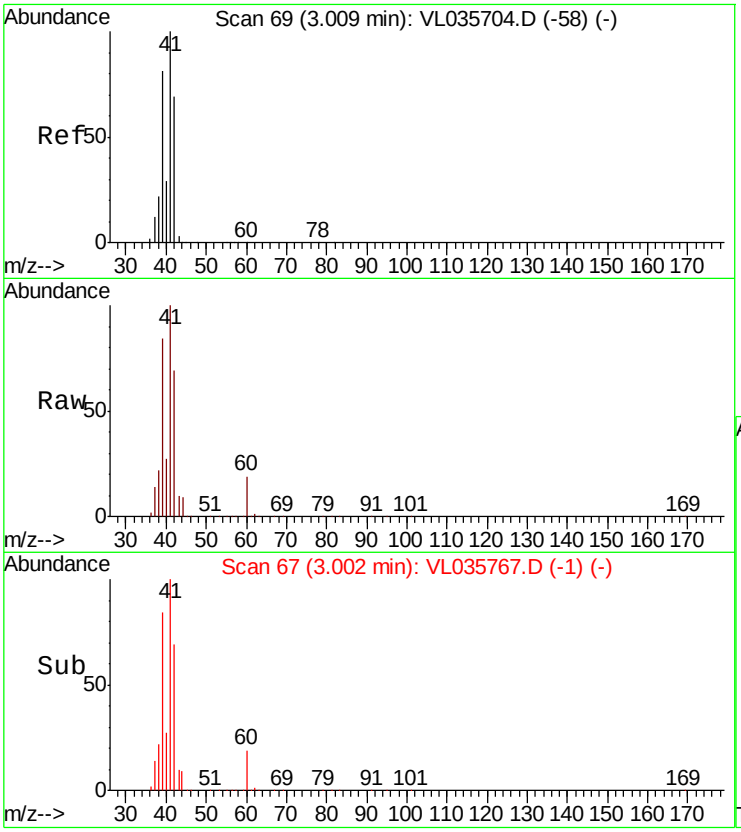


#4
Chloromethane
Concen: 0.097 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 50 Resp: 7113

Ion	Ratio	Lower	Upper
50	100		
52	30.1	26.8	40.2



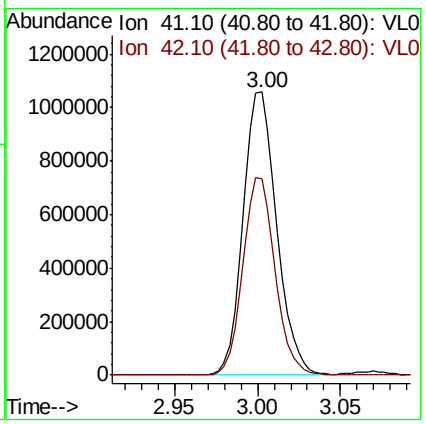


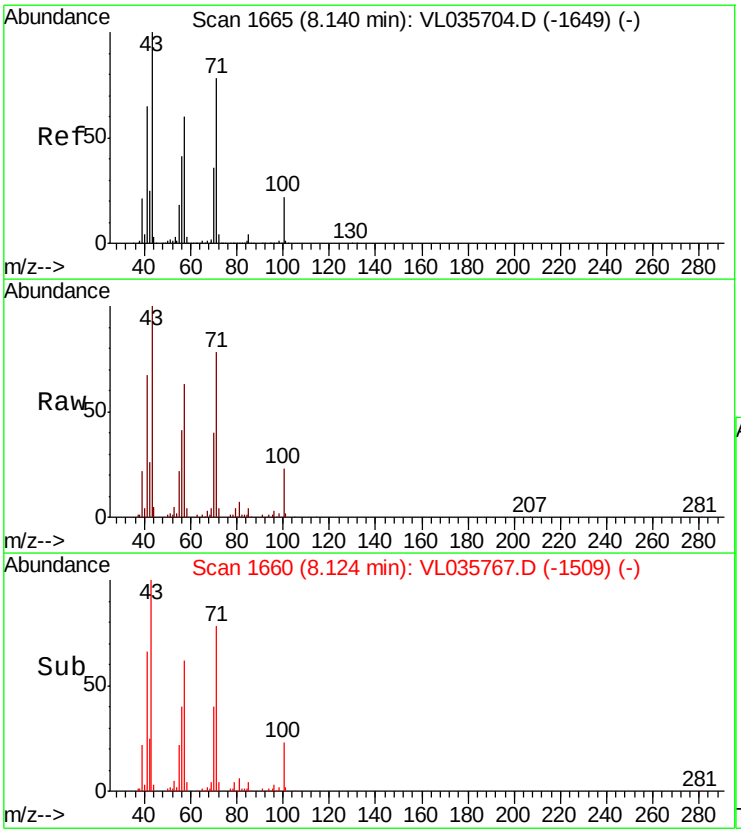
#9
Propene
Concen: 30.042 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument :
MSVOA_L
ClientSampleId :
4DL

Tgt Ion: 41 Resp: 1490478

Ion	Ratio	Lower	Upper
41	100		
42	66.9	56.2	84.4

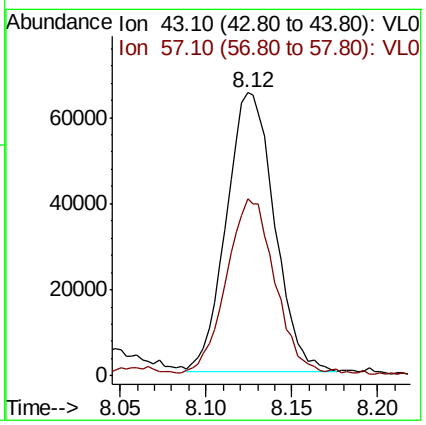


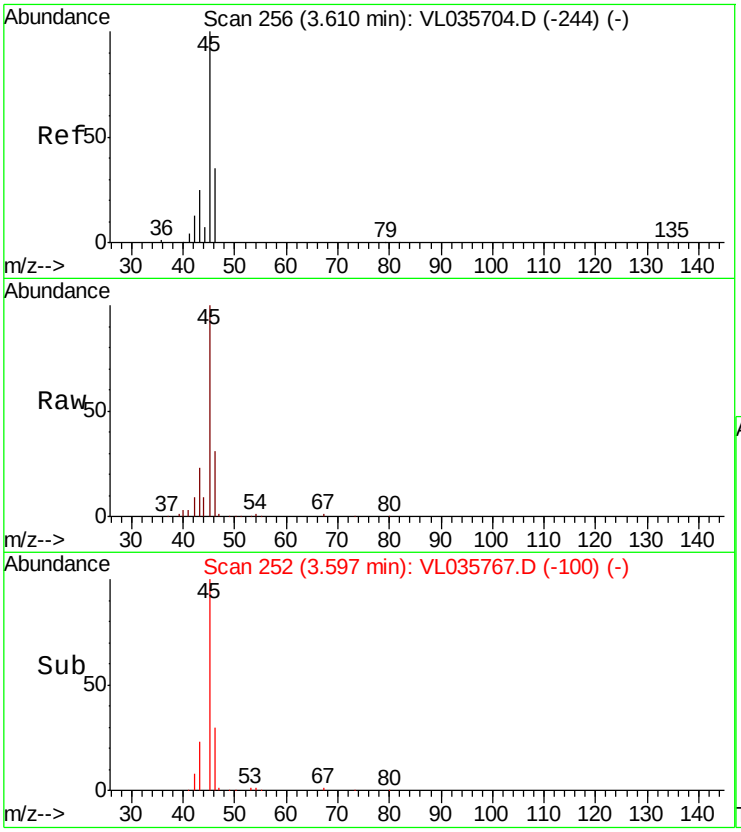


#10
Heptane
Concen: 0.905 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 43 Resp: 125188

Ion	Ratio	Lower	Upper
43	100		
57	63.3	50.4	75.6



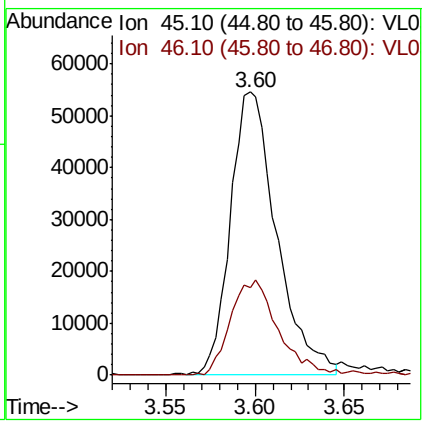


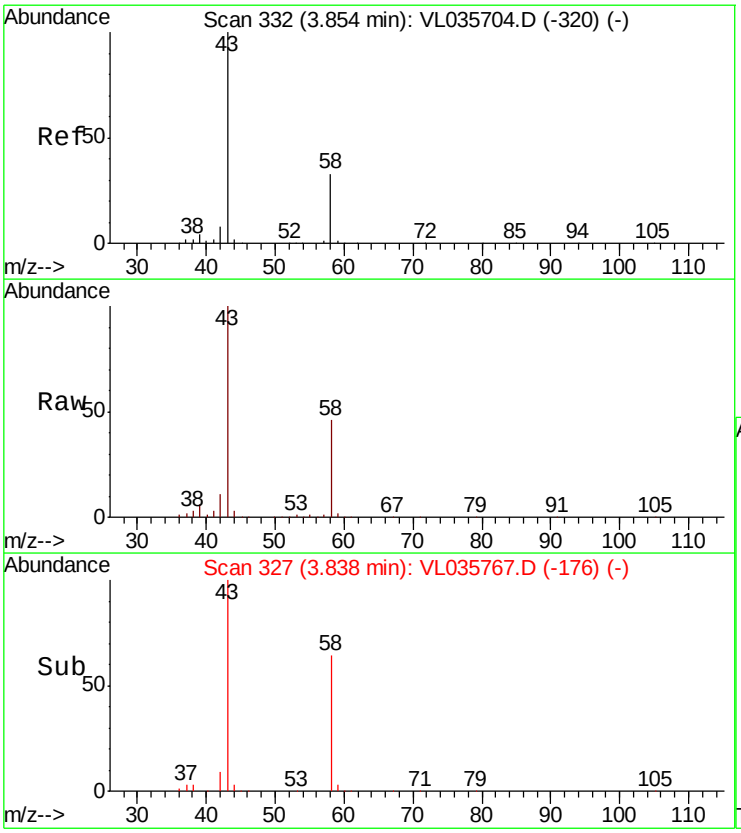
#13
Ethanol
Concen: 8.006 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 45 Resp: 97954

Ion	Ratio	Lower	Upper
45	100		
46	35.7	14.7	58.7

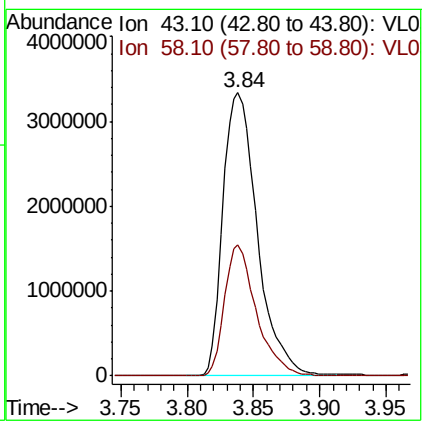


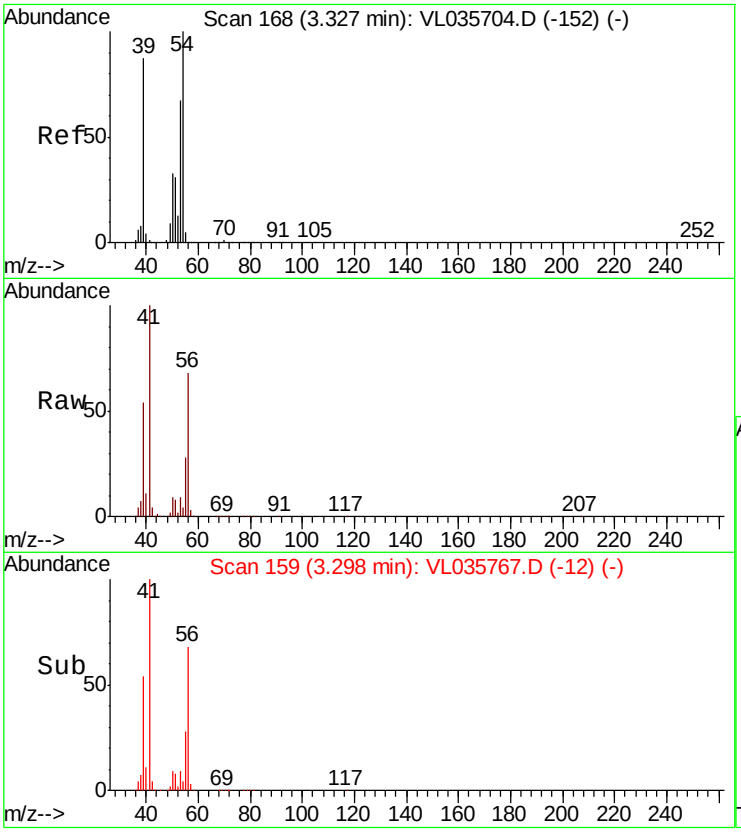


#15
Acetone
Concen: 44.189 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 43 Resp: 6039193

Ion	Ratio	Lower	Upper
43	100		
58	43.2	27.3	40.9#



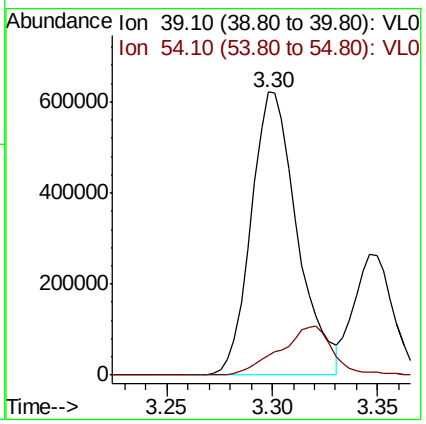


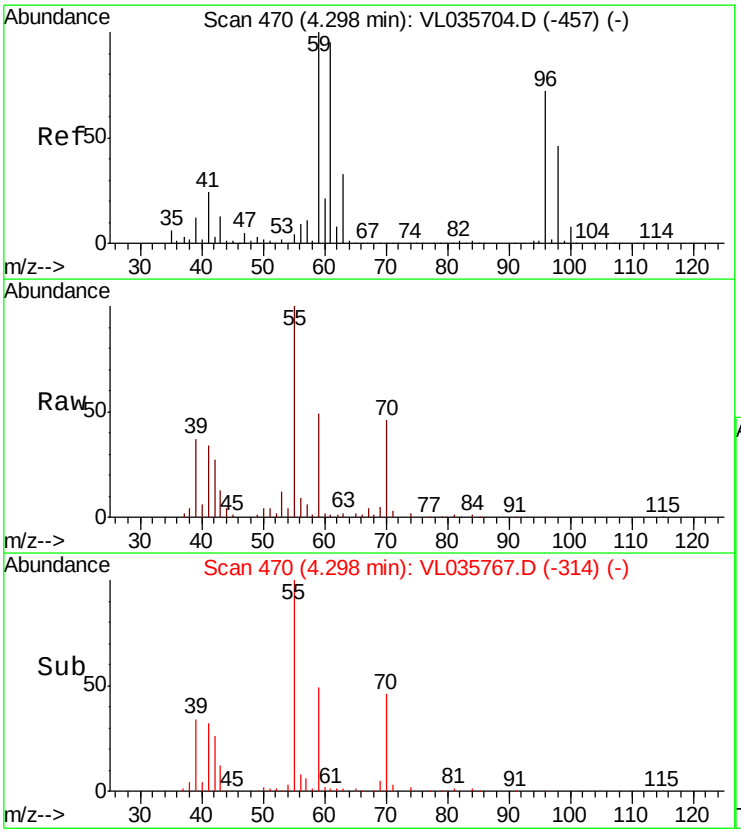
#16
1,3-Butadiene
Concen: 18.915 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.03 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 39 Resp: 945707

Ion	Ratio	Lower	Upper
39	100		
54	20.2	87.4	131.0#

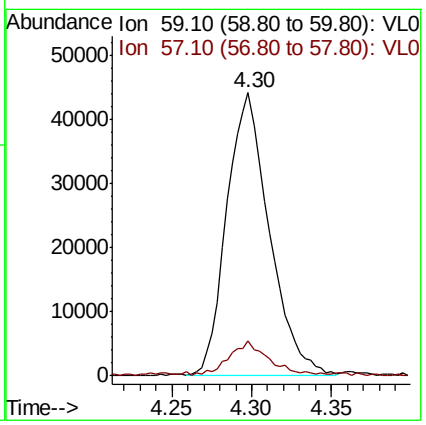


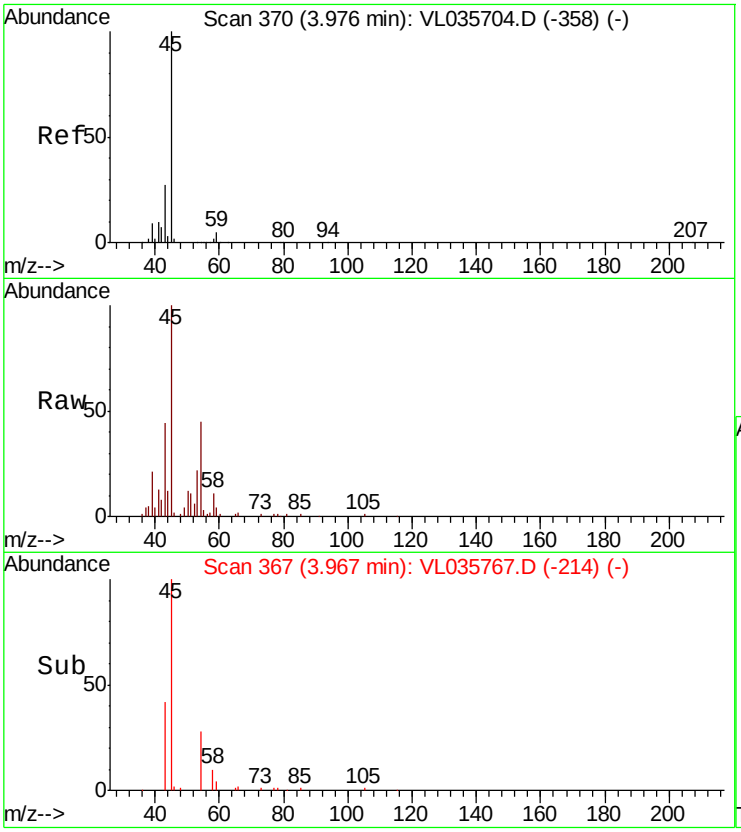


#17
tert-Butyl alcohol
Concen: 0.541 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 59 Resp: 80524

Ion	Ratio	Lower	Upper
59	100		
57	265.6	8.5	12.7#



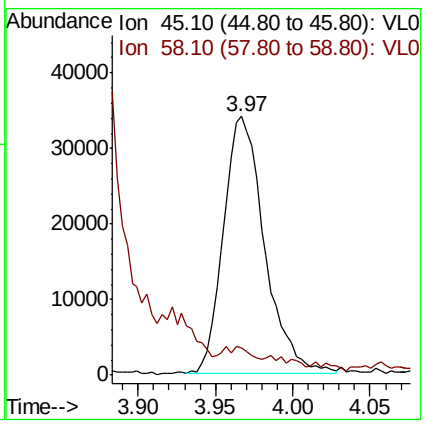


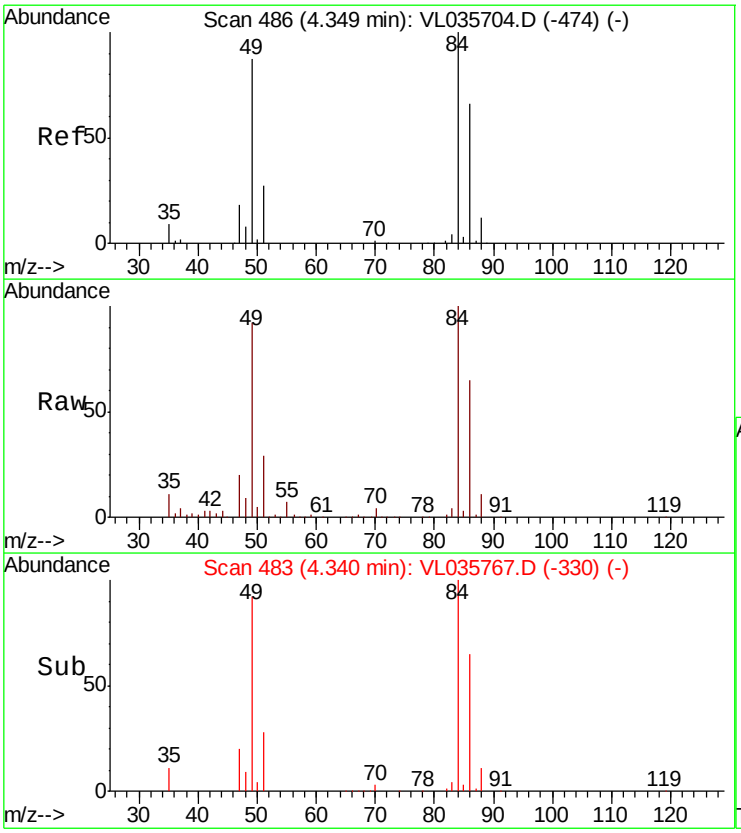
#19
Isopropyl Alcohol
Concen: 0.840 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 45 Resp: 62432

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#

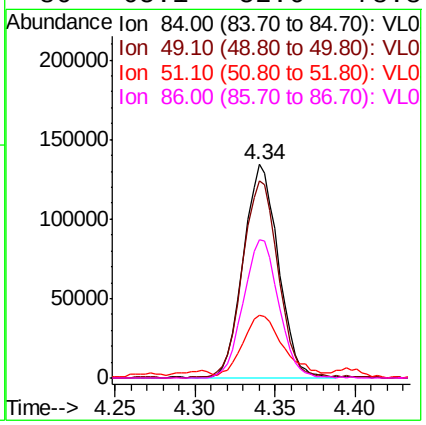


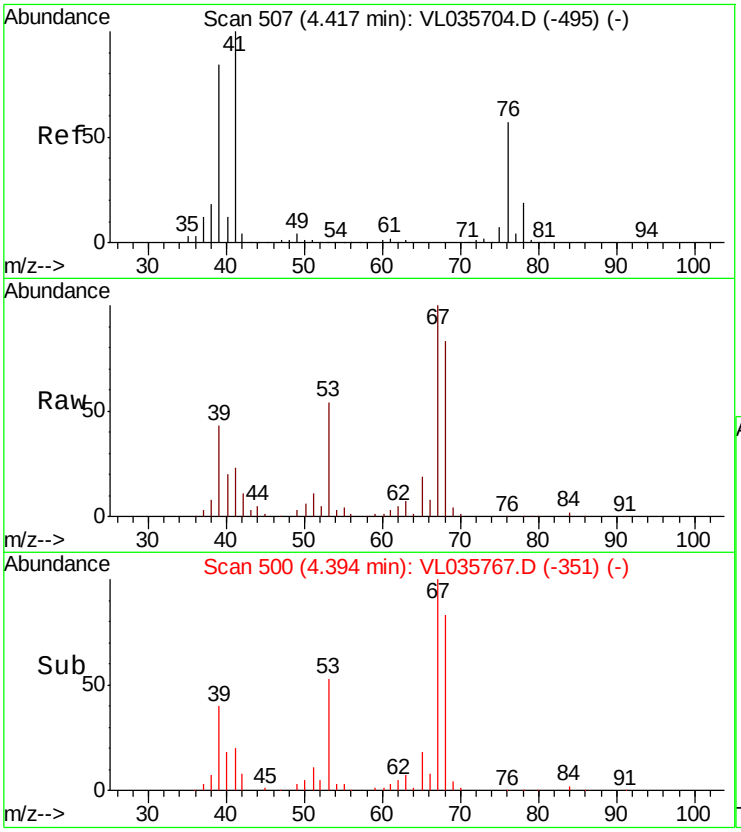


#20
Methylene Chloride
Concen: 1.979 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 84 Resp: 198687

Ion	Ratio	Lower	Upper
84	100		
49	92.2	69.8	104.6
51	26.5	21.8	32.8
86	65.1	52.6	78.8



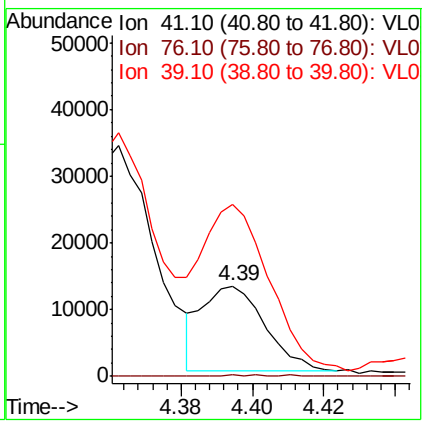


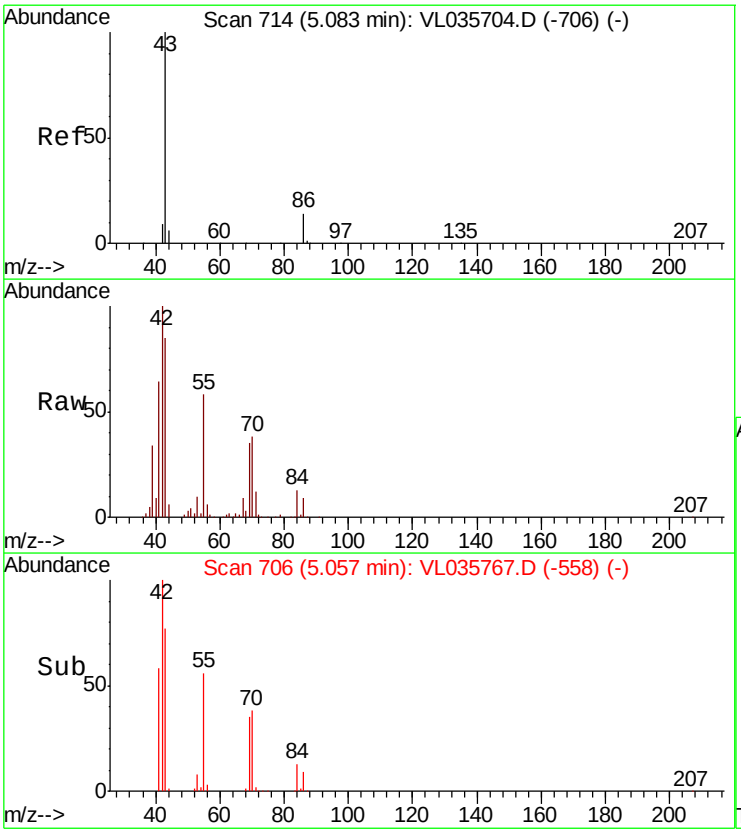
#21
Allyl Chloride
Concen: 0.236 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 41 Resp: 15613

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

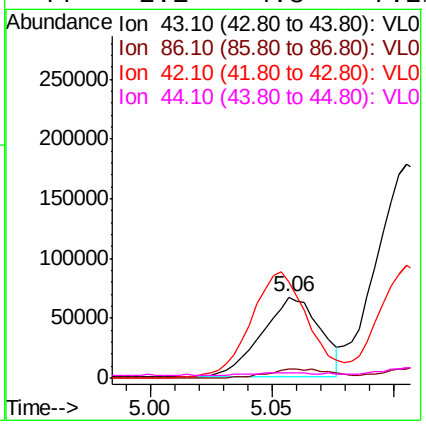


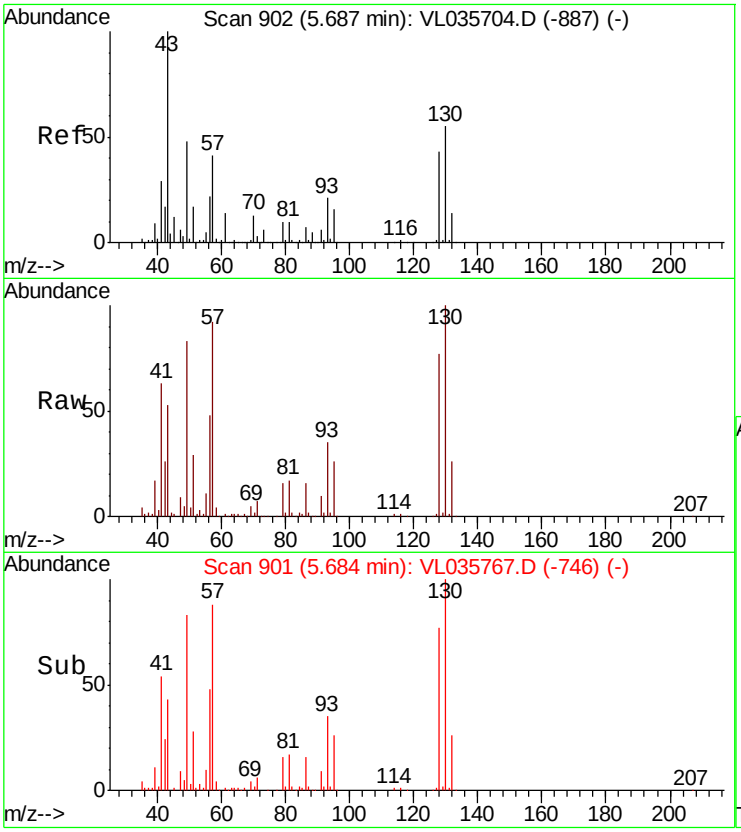


#23
Vinyl Acetate
Concen: 0.665 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.03 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 43 Resp: 111359

Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.7	14.5
42	117.9	7.9	11.9#
44	2.1	4.8	7.2#



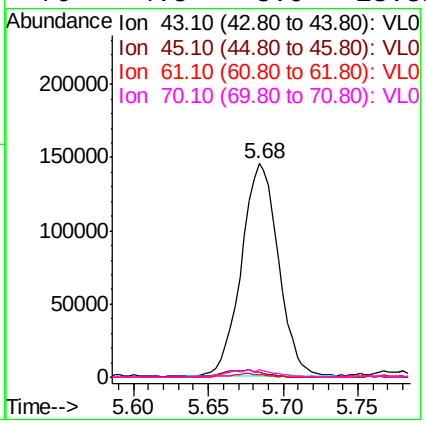


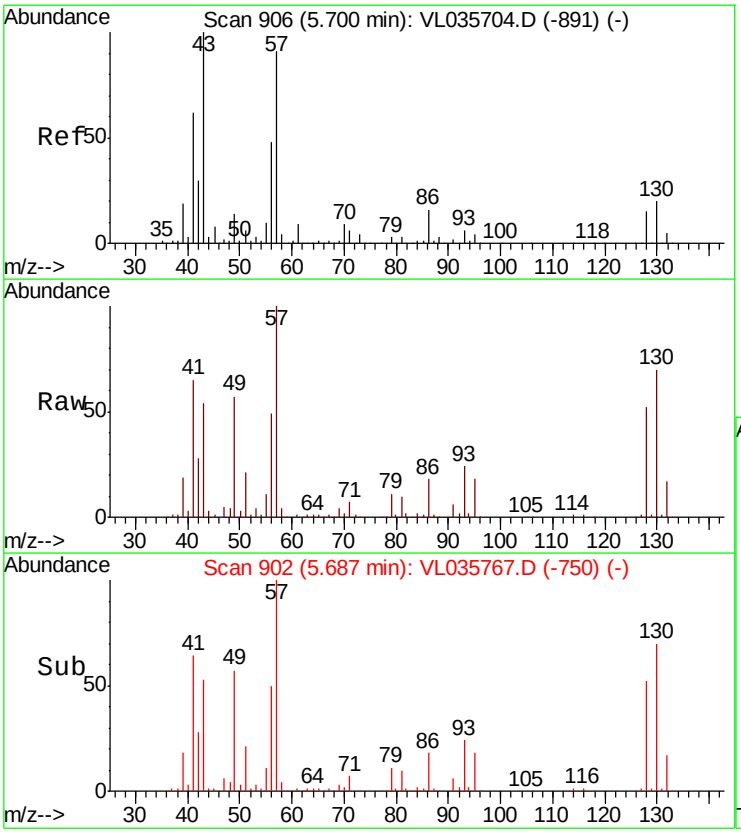
#25
Ethyl Acetate
Concen: 1.022 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 43 Resp: 251345

Ion	Ratio	Lower	Upper
43	100		
45	3.8	8.6	12.8#
61	1.5	10.4	15.6#
70	4.5	8.9	13.3#

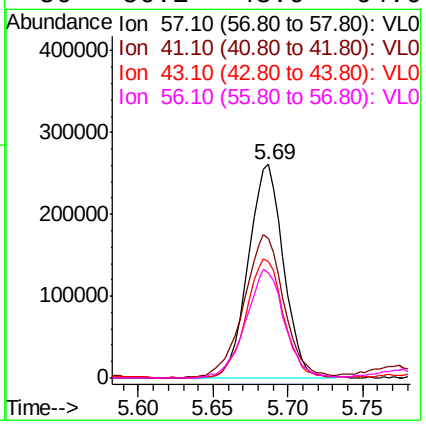


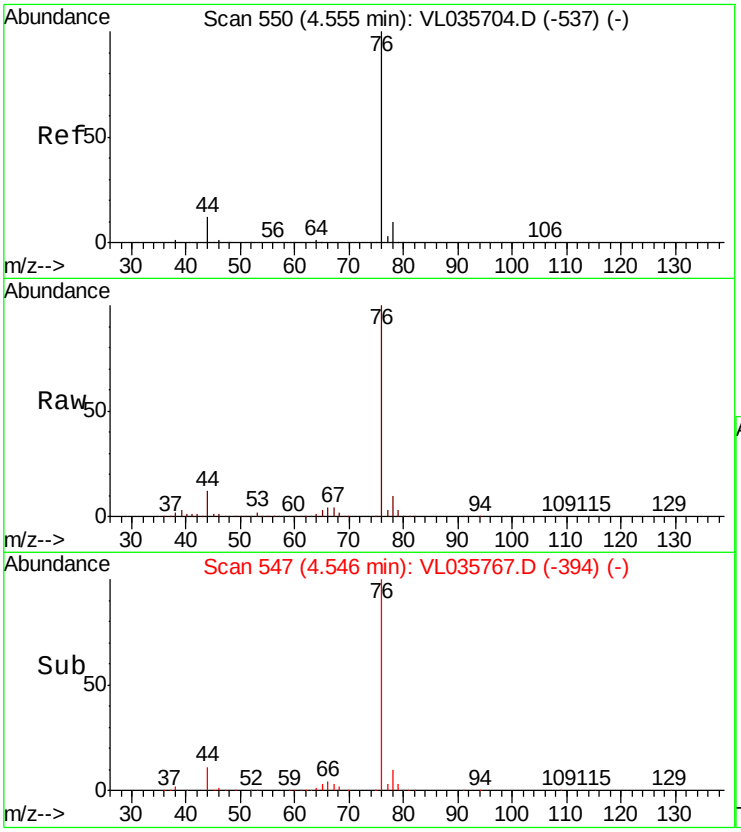


#26
Hexane
Concen: 3.158 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 57 Resp: 425627

Ion	Ratio	Lower	Upper
57	100		
41	76.6	57.9	86.9
43	59.2	143.8	215.6#
56	56.1	43.0	64.6



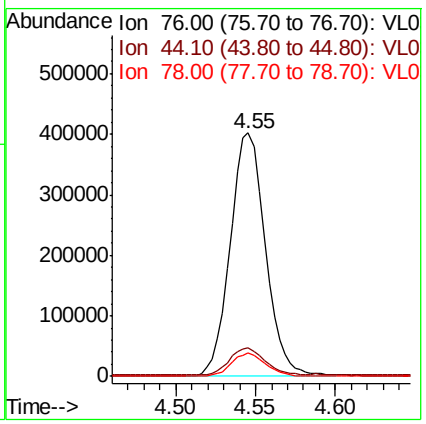


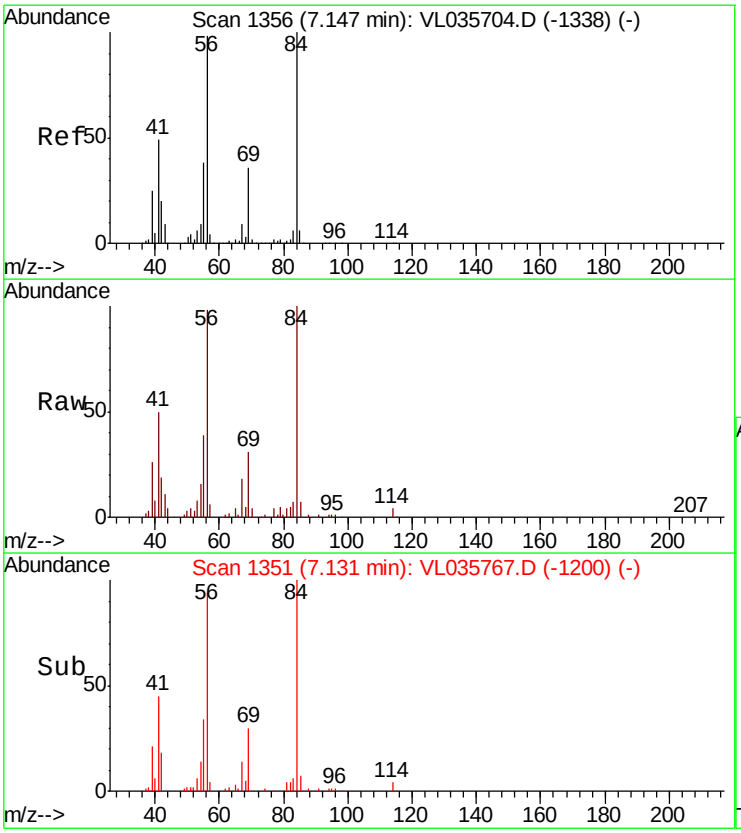
#27
Carbon Disulfide
Concen: 2.994 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 76 Resp: 601300

Ion	Ratio	Lower	Upper
76	100		
44	11.7	9.7	14.5
78	9.7	7.8	11.8

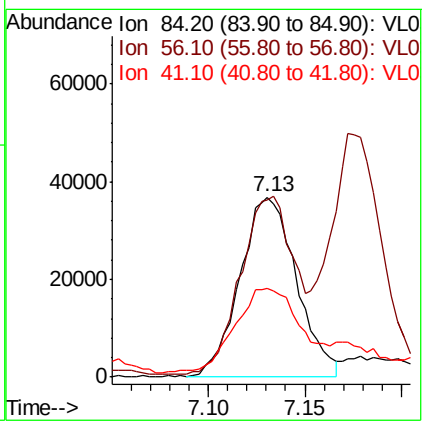


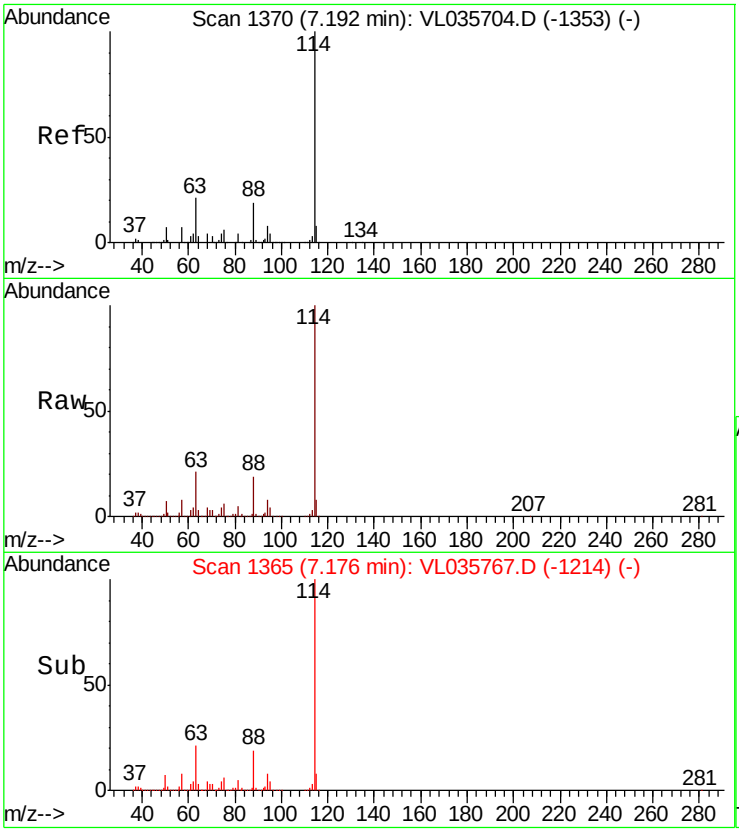


#30
Cyclohexane
Concen: 0.558 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 84 Resp: 74131

Ion	Ratio	Lower	Upper
84	100		
56	95.3	84.6	127.0
41	69.1	41.1	61.7#



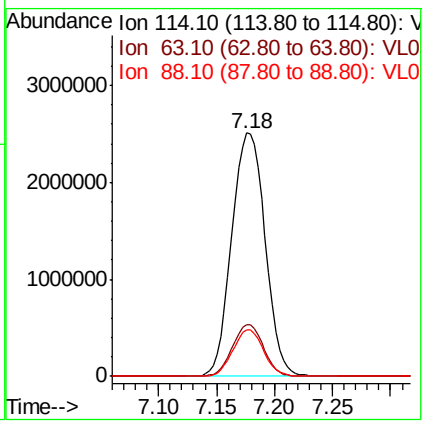


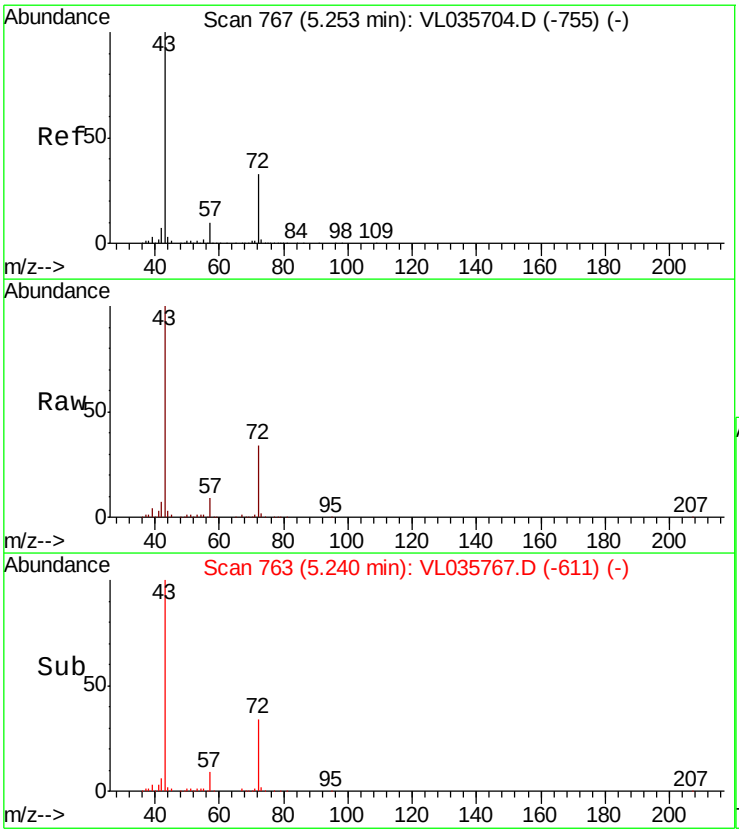
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion:114 Resp: 5037615

Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.1	24.1
88	17.7	14.1	21.1

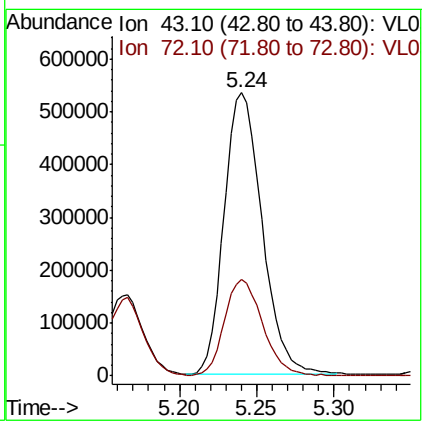


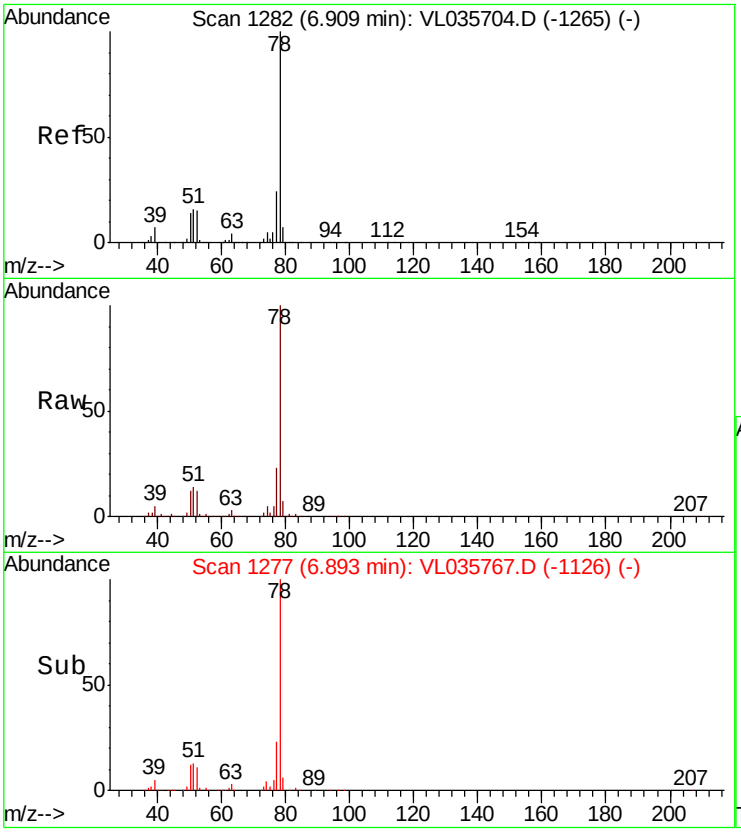


#34
2-Butanone
Concen: 5.484 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 43 Resp: 913710

Ion	Ratio	Lower	Upper
43	100		
72	34.3	26.1	39.1



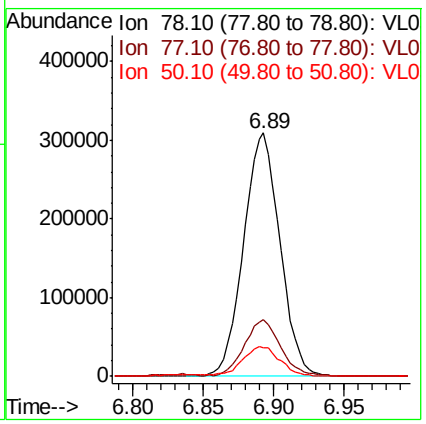


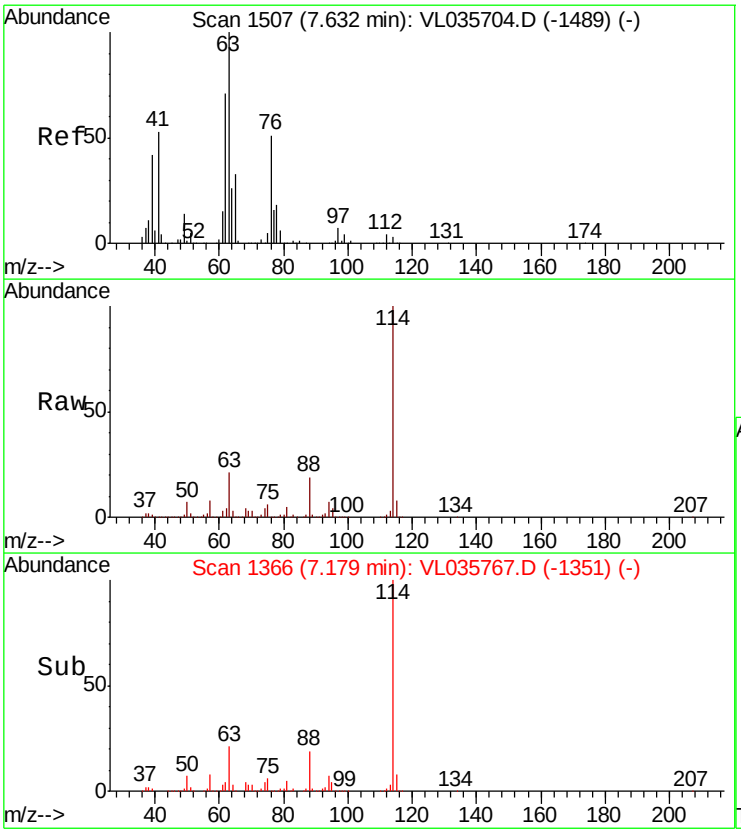
#36
Benzene
Concen: 1.700 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument :
MSVOA_L
ClientSampleId :
4DL

Tgt Ion: 78 Resp: 557932

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9
50	11.4	11.6	17.4#

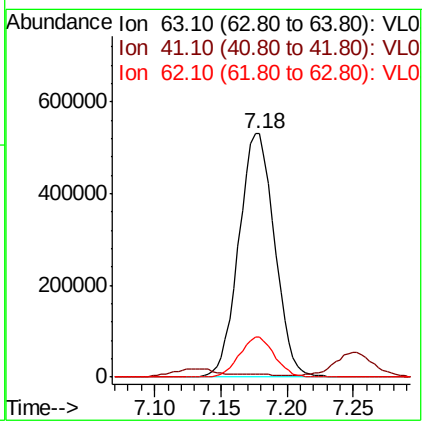


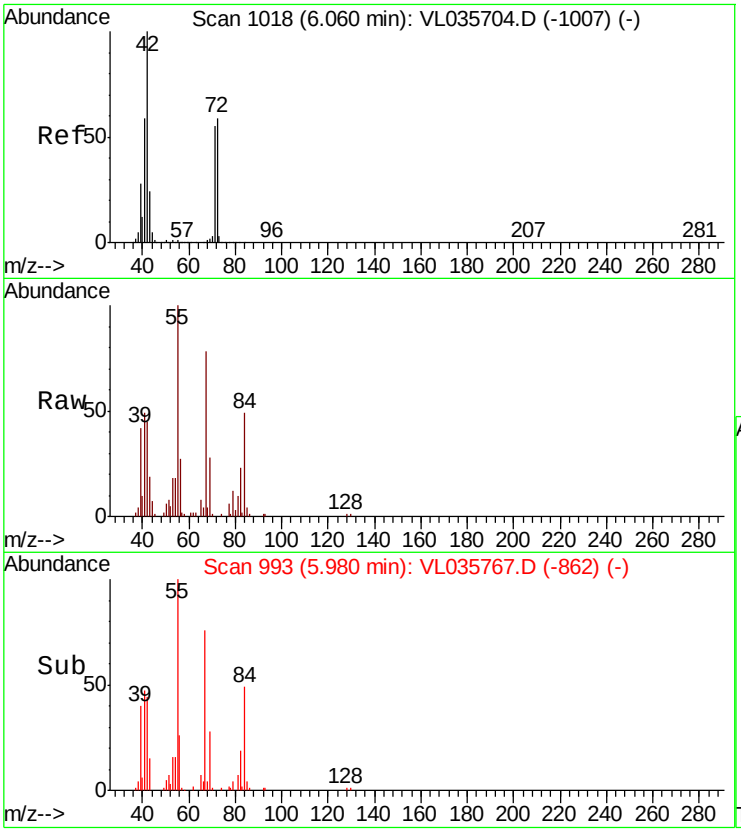


#39
1,2-Dichloropropane
Concen: 8.367 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.45 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 63 Resp: 995550

Ion	Ratio	Lower	Upper
63	100		
41	0.0	42.6	63.8#
62	16.6	56.5	84.7#



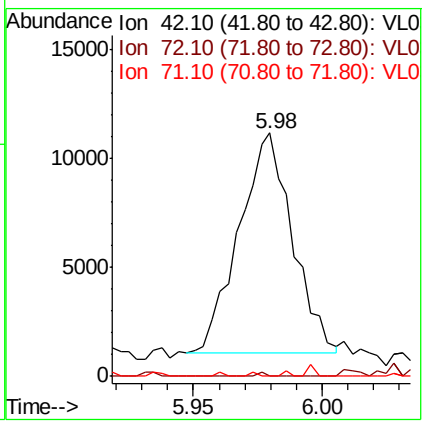


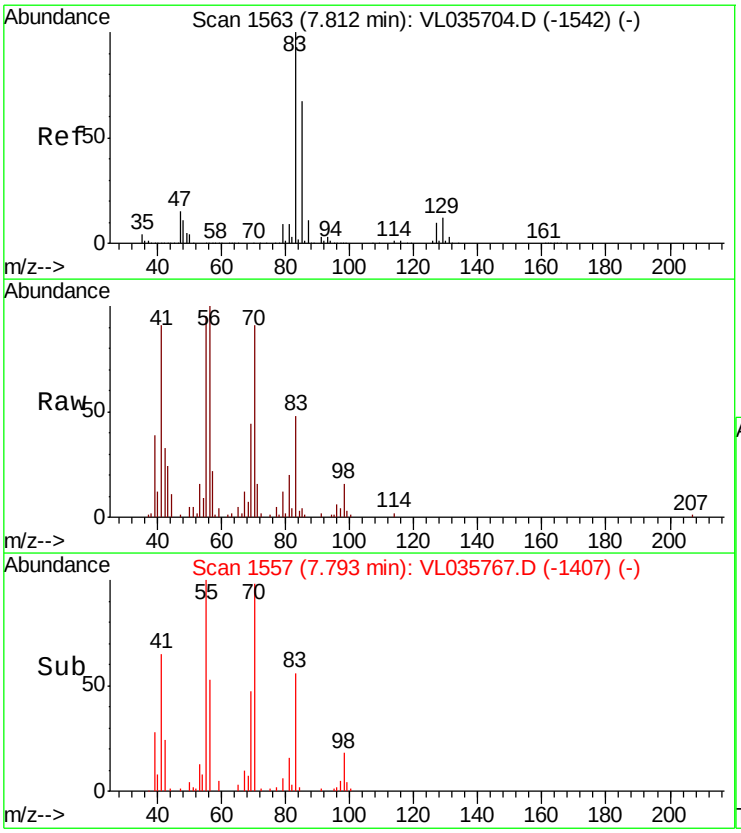
#41
Tetrahydrofuran
Concen: 0.171 ppbv
RT: 5.98 min Scan# 993
Delta R.T. -0.08 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 42 Resp: 14390

Ion	Ratio	Lower	Upper
42	100		
72	2.3	46.2	69.4#
71	0.0	44.2	66.4#

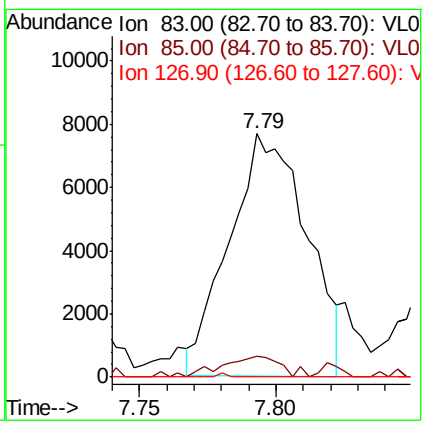


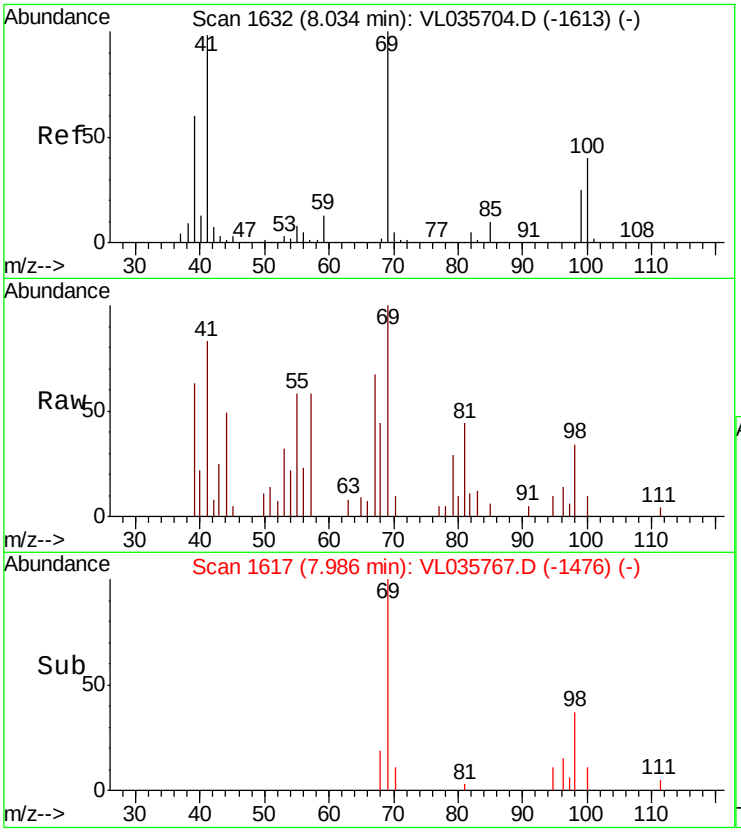


#42
Bromodichloromethane
Concen: 0.055 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 83 Resp: 15113

Ion	Ratio	Lower	Upper
83	100		
85	9.8	53.4	80.0#
127	0.0	7.8	11.6#



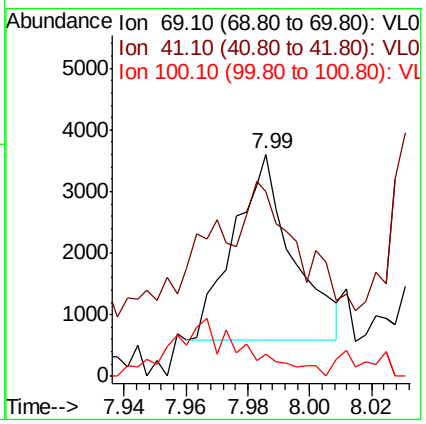


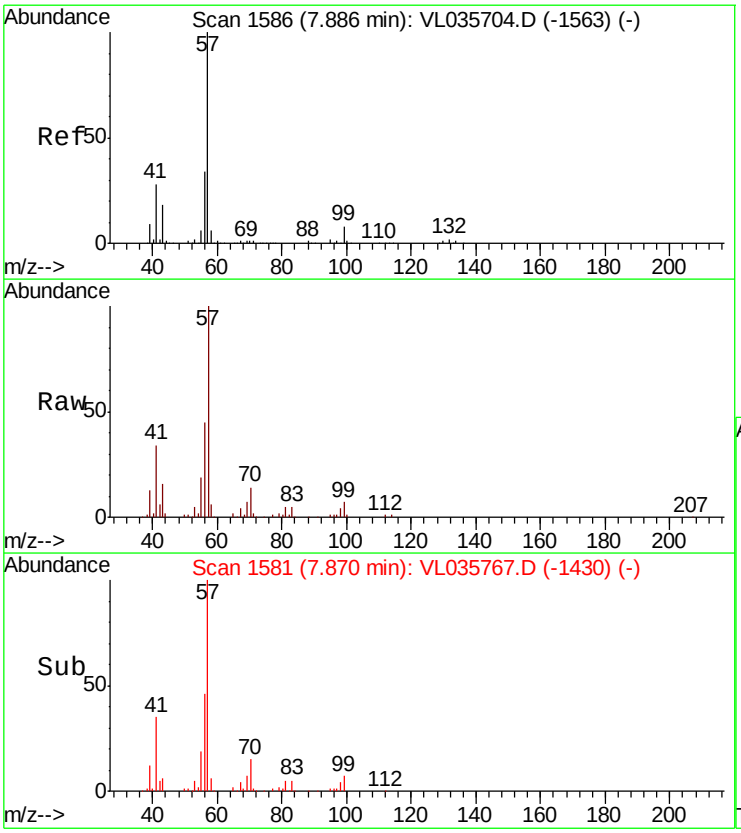
#43
Methyl Methacrylate
Concen: 0.031 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.05 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 69 Resp: 3988

Ion	Ratio	Lower	Upper
69	100		
41	158.7	79.8	119.6#
100	47.1	30.6	46.0#

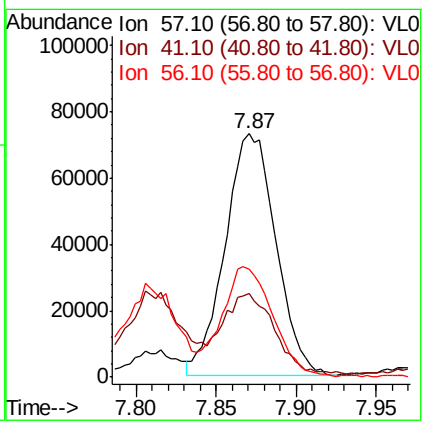


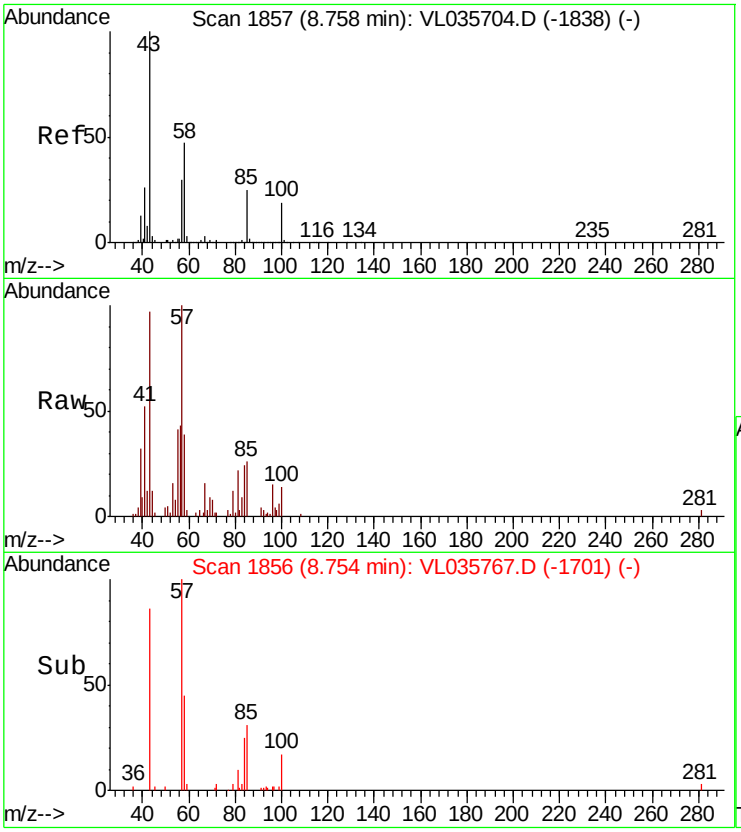


#44
2,2,4-Trimethylpentane
Concen: 0.337 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 57 Resp: 158646

Ion	Ratio	Lower	Upper
57	100		
41	34.5	21.2	31.8#
56	44.7	25.8	38.8#



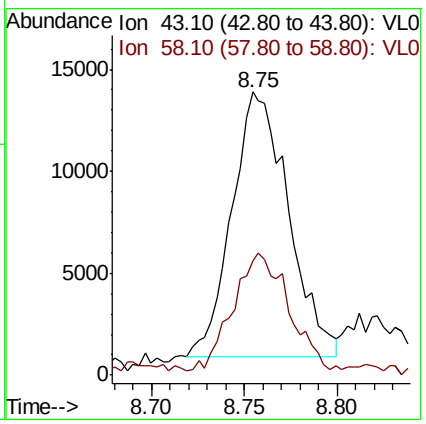


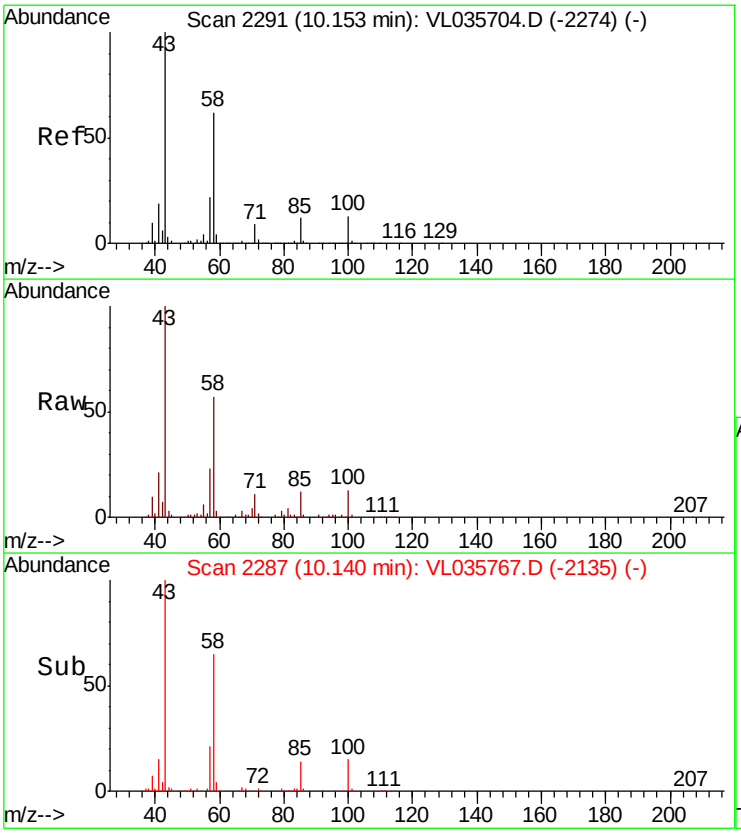
#50
4-Methyl-2-Pentanone
Concen: 0.113 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 43 Resp: 27483

Ion	Ratio	Lower	Upper
43	100		
58	47.1	36.6	54.8

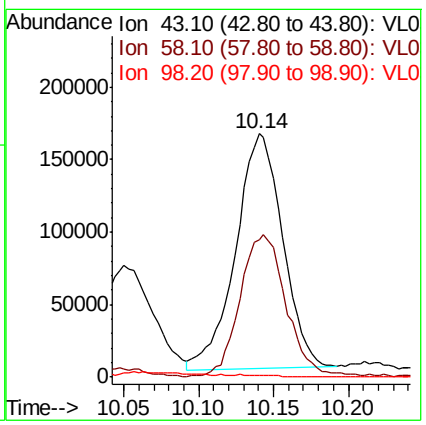


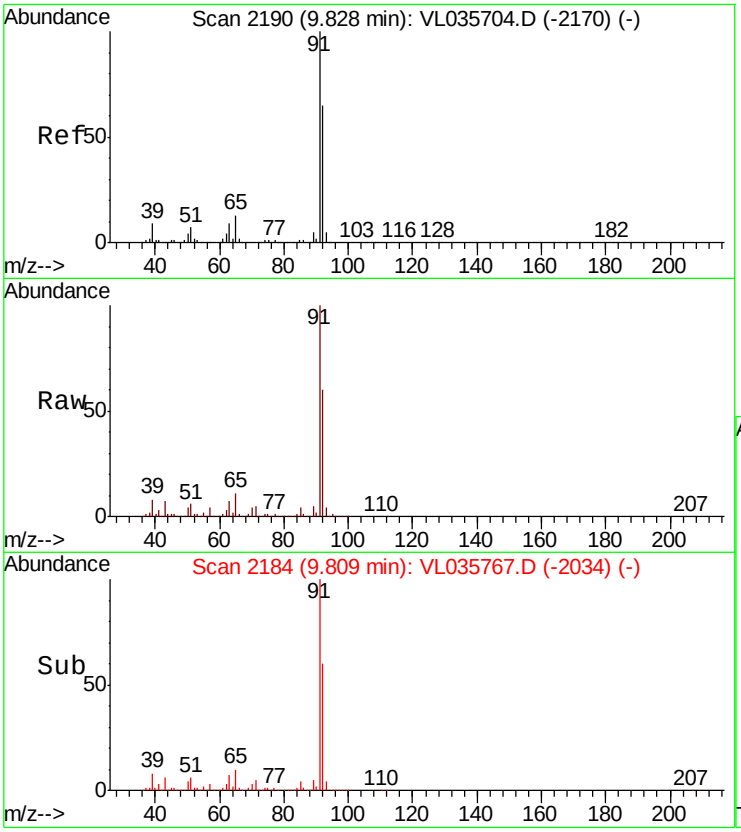


#51
2-Hexanone
Concen: 1.806 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 43 Resp: 354072

Ion	Ratio	Lower	Upper
43	100		
58	59.9	48.7	73.1
98	0.1	0.7	1.1#



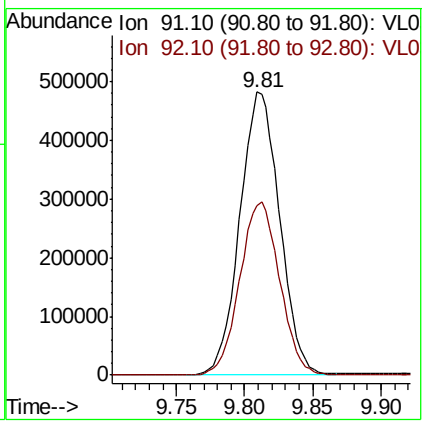


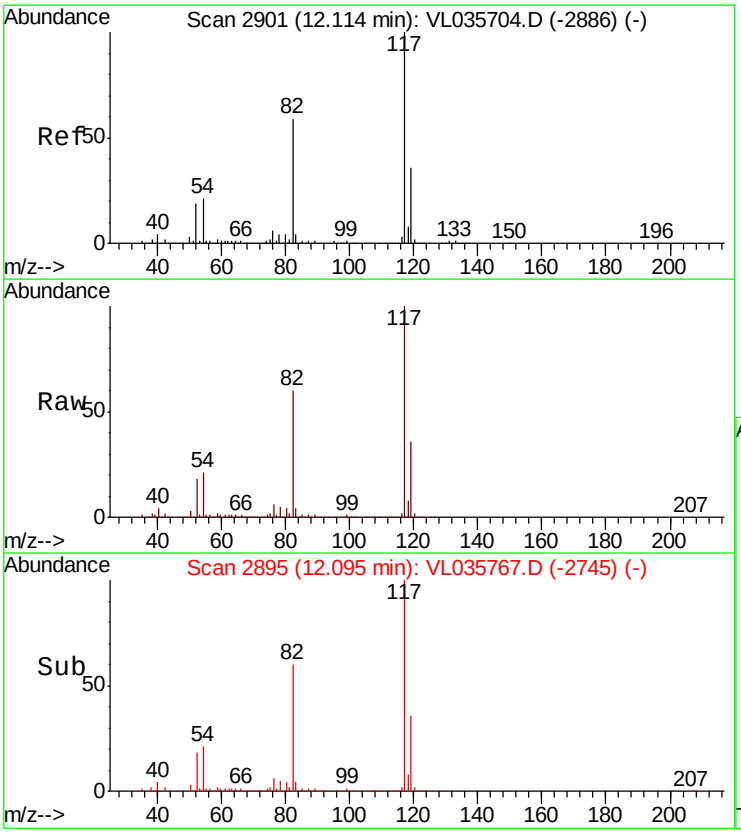
#53
Toluene
Concen: 2.523 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument :
MSVOA_L
ClientSampleId :
4DL

Tgt Ion: 91 Resp: 976455

Ion	Ratio	Lower	Upper
91	100		
92	61.4	50.0	75.0

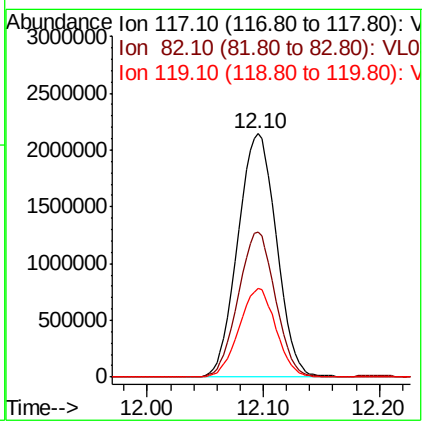


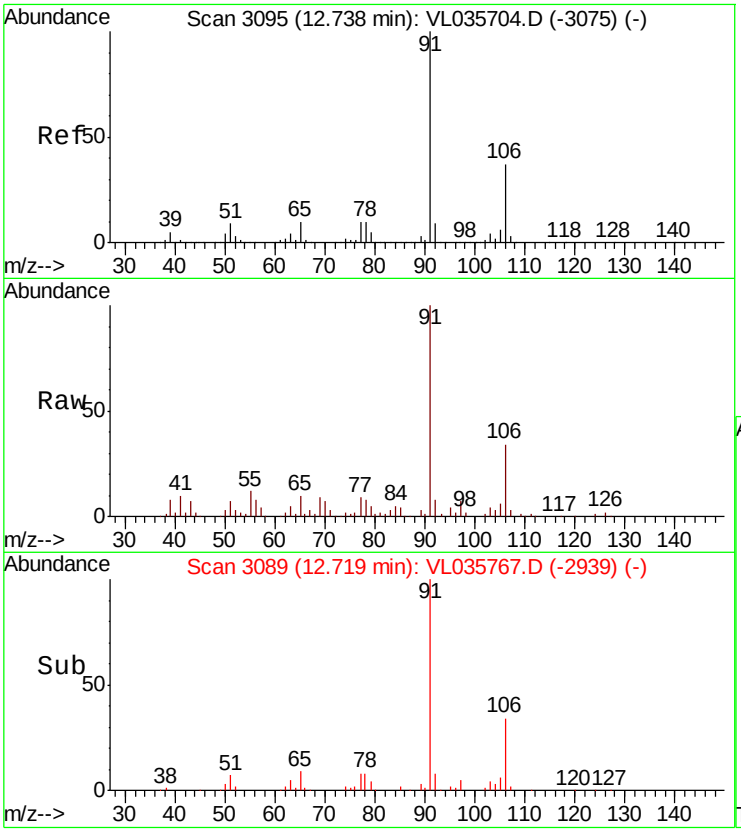


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion:117 Resp: 4968596

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.1	69.1
119	34.9	28.0	42.0



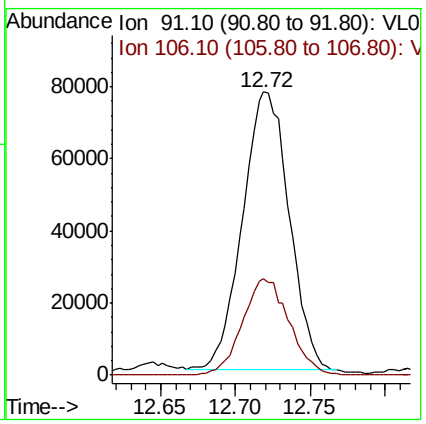


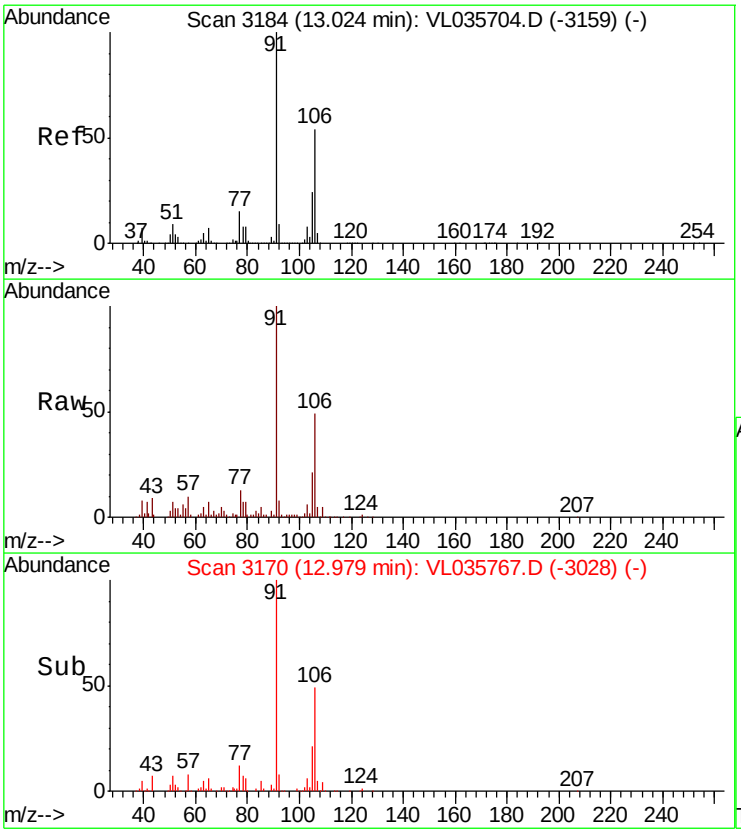
#58
Ethyl Benzene
Concen: 0.336 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 91 Resp: 167623

Ion	Ratio	Lower	Upper
91	100		
106	34.5	29.7	44.5

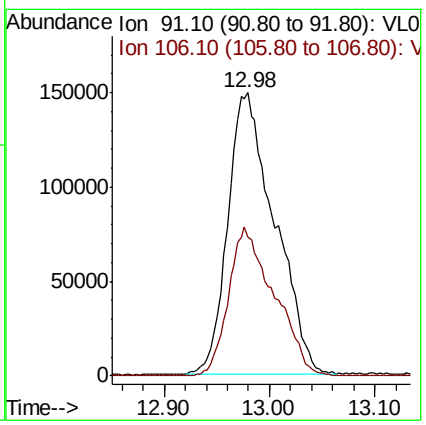


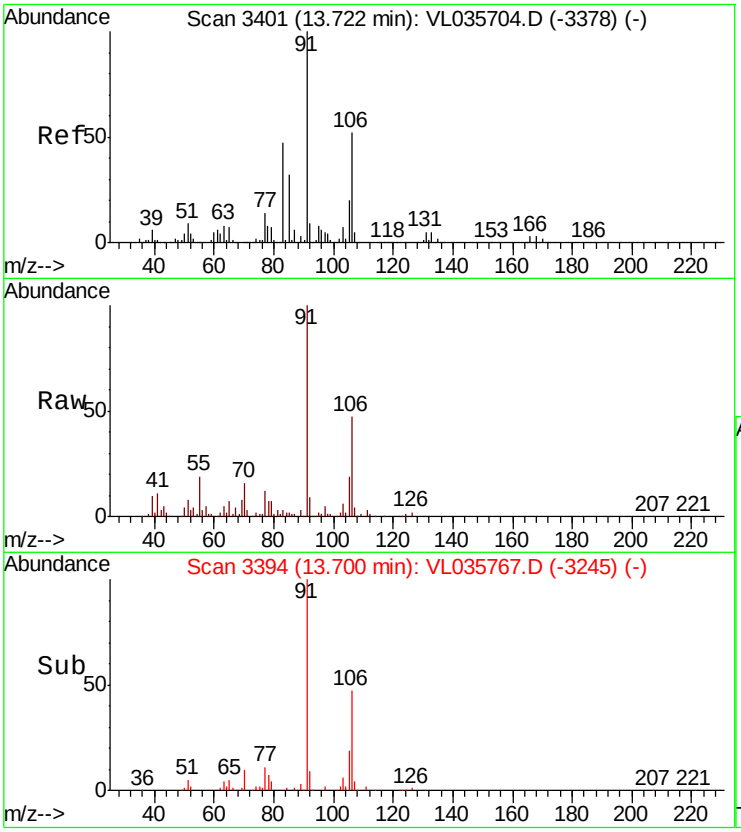


#59
m/p-Xylene
Concen: 1.052 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.04 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion: 91 Resp: 458275

Ion	Ratio	Lower	Upper
91	100		
106	51.6	41.4	62.0



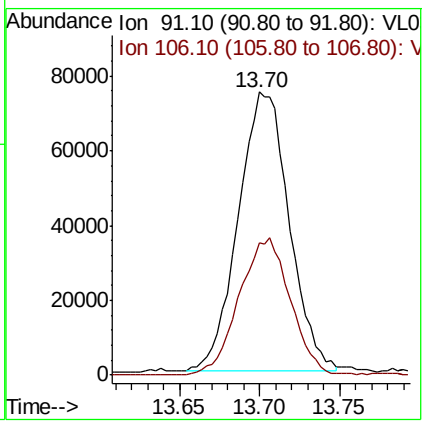


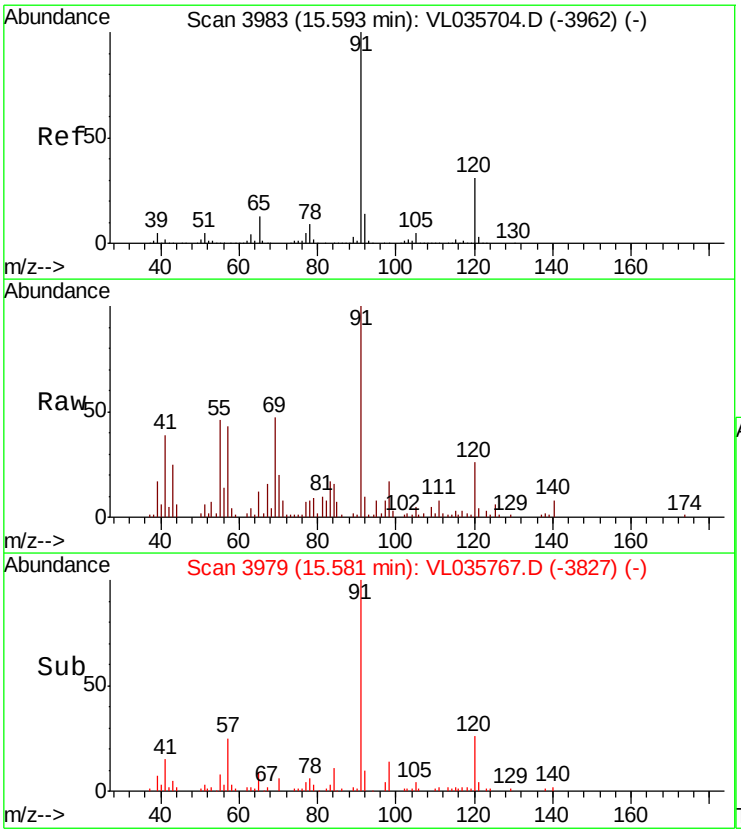
#60
o-Xylene
Concen: 0.371 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument :
MSVOA_L
ClientSampleId :
4DL

Tgt Ion: 91 Resp: 163487

Ion	Ratio	Lower	Upper
91	100		
106	49.8	25.0	75.0

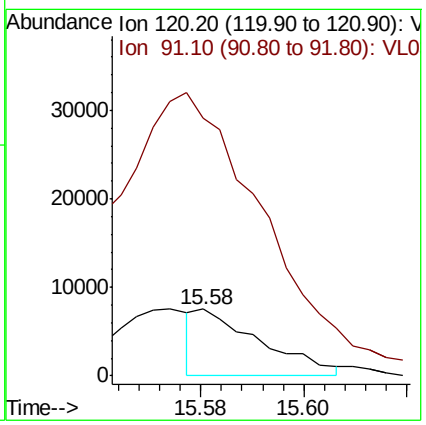


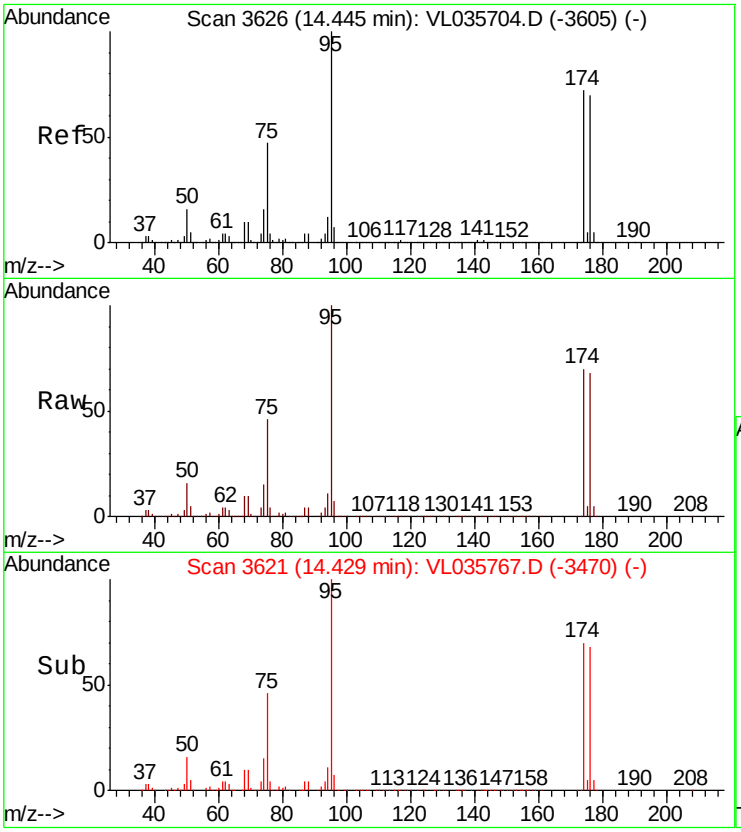


#64
n-propylbenzene
Concen: 0.033 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion:120 Resp: 6597

Ion	Ratio	Lower	Upper
120	100		
91	1088.2	300.4	450.6#



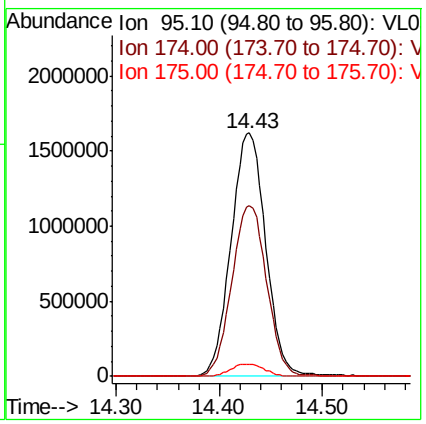


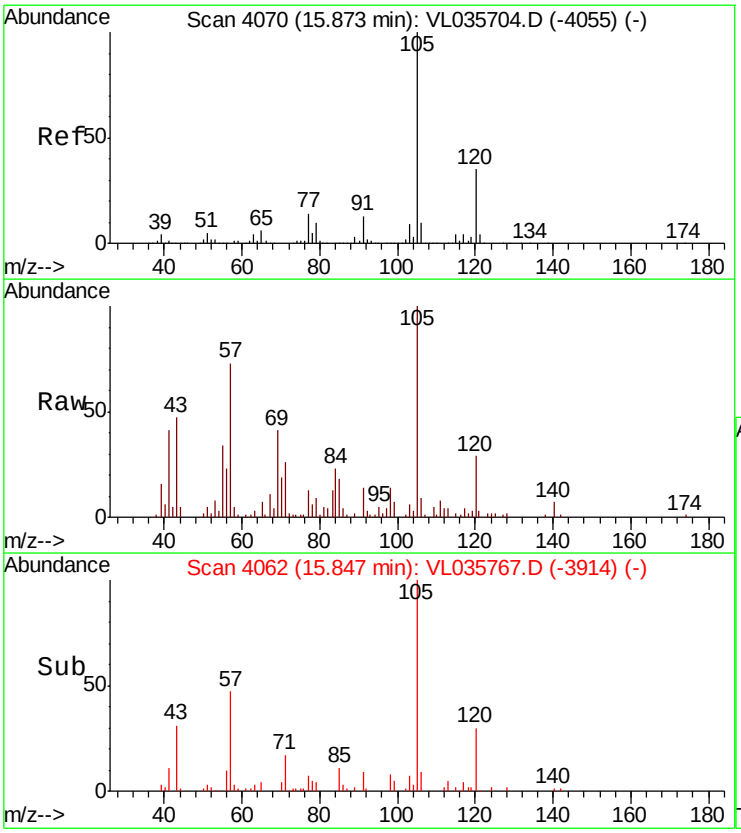
#68
1-Bromo-4-Fluorobenzene
Concen: 10.172 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion: 95 Resp: 3787287

Ion	Ratio	Lower	Upper
95	100		
174	71.3	59.6	89.4
175	5.1	4.2	6.4

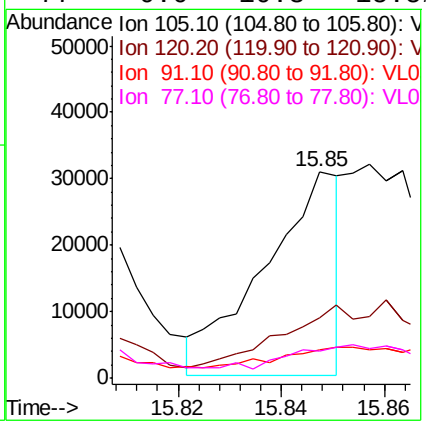


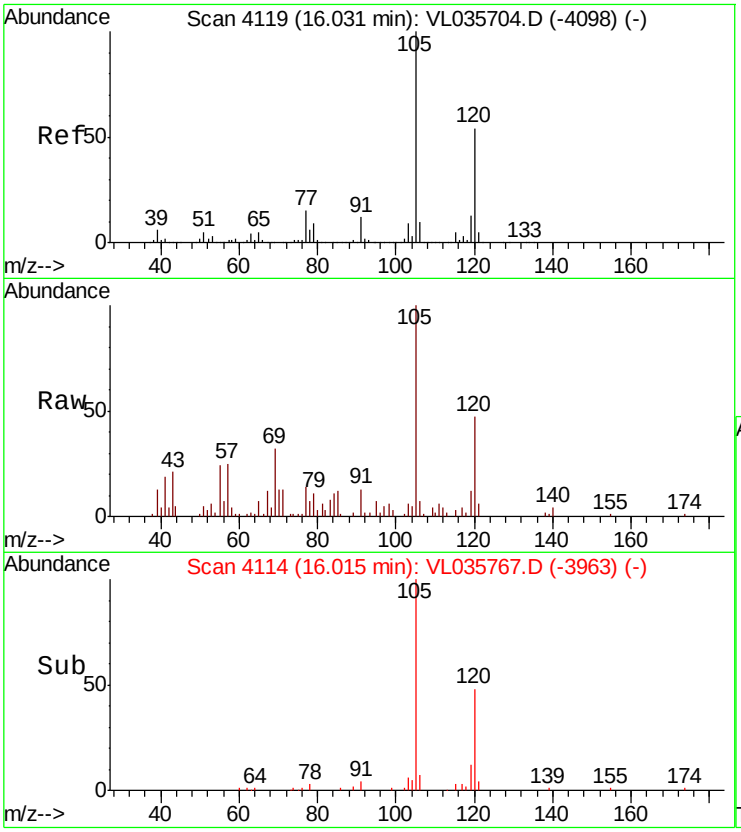


#72
4-Ethyltoluene
Concen: 0.060 ppbv
RT: 15.85 min Scan# 4062
Delta R.T. -0.03 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion:105 Resp: 31386

Ion	Ratio	Lower	Upper
105	100		
120	0.0	26.5	39.7#
91	0.0	10.2	15.2#
77	0.0	10.3	15.5#



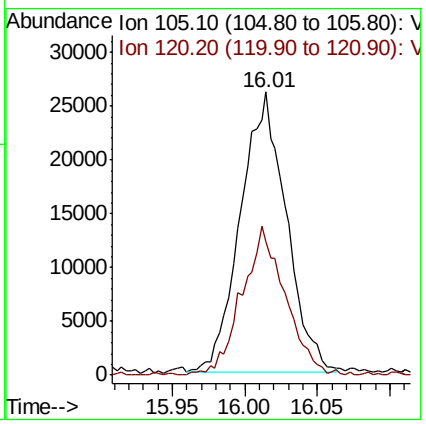


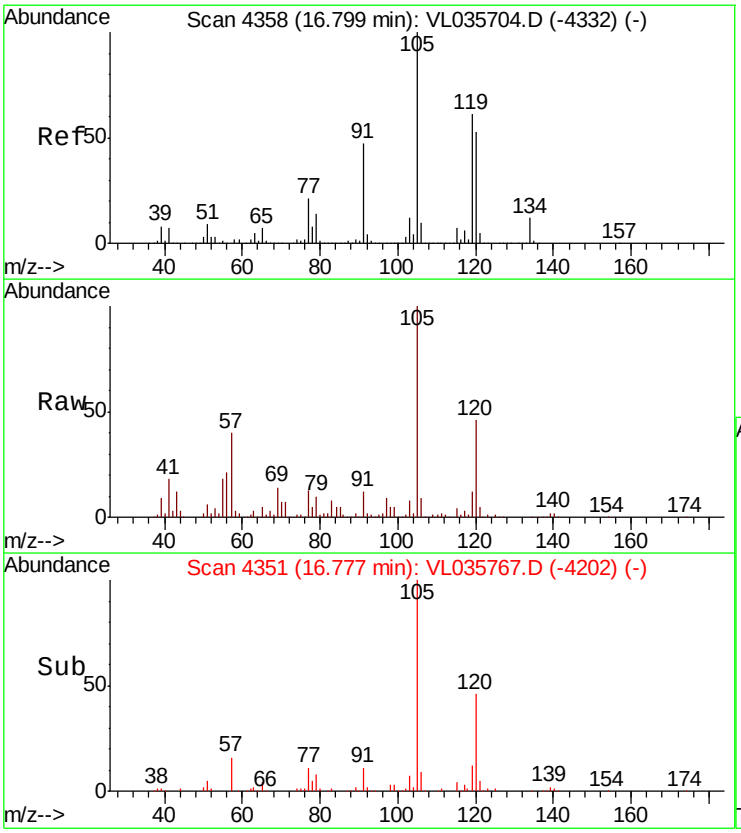
#73
1,3,5-Trimethylbenzene
Concen: 0.116 ppbv
RT: 16.01 min Scan# 4114
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Instrument : MSVOA_L
ClientSampleId : 4DL

Tgt Ion:105 Resp: 57008

Ion	Ratio	Lower	Upper
105	100		
120	47.8	43.0	64.4





#74
1,2,4-Trimethylbenzene
Concen: 0.353 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.02 min
Lab File: VL035767.D
Acq: 12 Oct 2020 18:36

Tgt Ion:105 Resp: 196089

Ion	Ratio	Lower	Upper
105	100		
120	45.7	42.5	63.7
91	10.6	37.7	56.5#
77	11.8	16.7	25.1#