Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040221\

Quantitation Report (Not Reviewed)

Data File : VL036673.D
Acq On : 3 Apr 2021 9:46
Operator : SY/AP
Sample : M1834-05DL 60X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV5DL

Quant Time: Apr 04 18:42:24 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1087575	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2919092	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2624461	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2081984	9.95	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%			
Target Compounds						Qvalue
9) Propene	3.00	41	68935	1.064	ppbv #	82
10) Heptane	8.10	43	363904	2.205	ppbv #	28
13) Ethanol	3.59	45	5205	0.675	ppbv #	1
15) Acetone	3.85	43	1921496	17.951	ppbv #	77
16) 1,3-Butadiene	3.29	39	92971	1.248	ppbv #	23
20) Methylene Chloride	4.32	84	8927	0.178	ppbv	92
21) Allyl Chloride	4.34	41	95831	1.123	ppbv #	47
23) Vinyl Acetate	5.03	43	589847	3.221	ppbv #	1
25) Ethyl Acetate	5.66	43	344433	1.353	ppbv #	78
26) Hexane	5.66	57	465095	3.938	ppbv #	44
30) Cyclohexane	7.10	84	95579	0.998	ppbv #	1
34) 2-Butanone	5.22	43	1421850	9.979	ppbv	96
36) Benzene	6.86	78	281143	1.044	ppbv #	94
39) 1,2-Dichloropropane	7.84	63	8407	0.077	ppbv #	1
41) Tetrahydrofuran	5.95	42	2577	0.039	ppbv #	61
42) Bromodichloromethane	7.76	83	14453	0.067	ppbv #	26
43) Methyl Methacrylate	7.96	69	4728	0.052	ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	7920478	16.716	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	11089	0.054	ppbv #	65
51) 2-Hexanone	10.03	43	212465	2.042	ppbv #	37
53) Toluene	9.78	91	215800	0.753	ppbv	98
58) Ethyl Benzene	12.68	91	263057	0.689	ppbv	93
59) m/p-Xylene	12.97	91	46824	0.141	ppbv #	32
60) o-Xylene	13.66	91	63858	0.198	ppbv	95

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

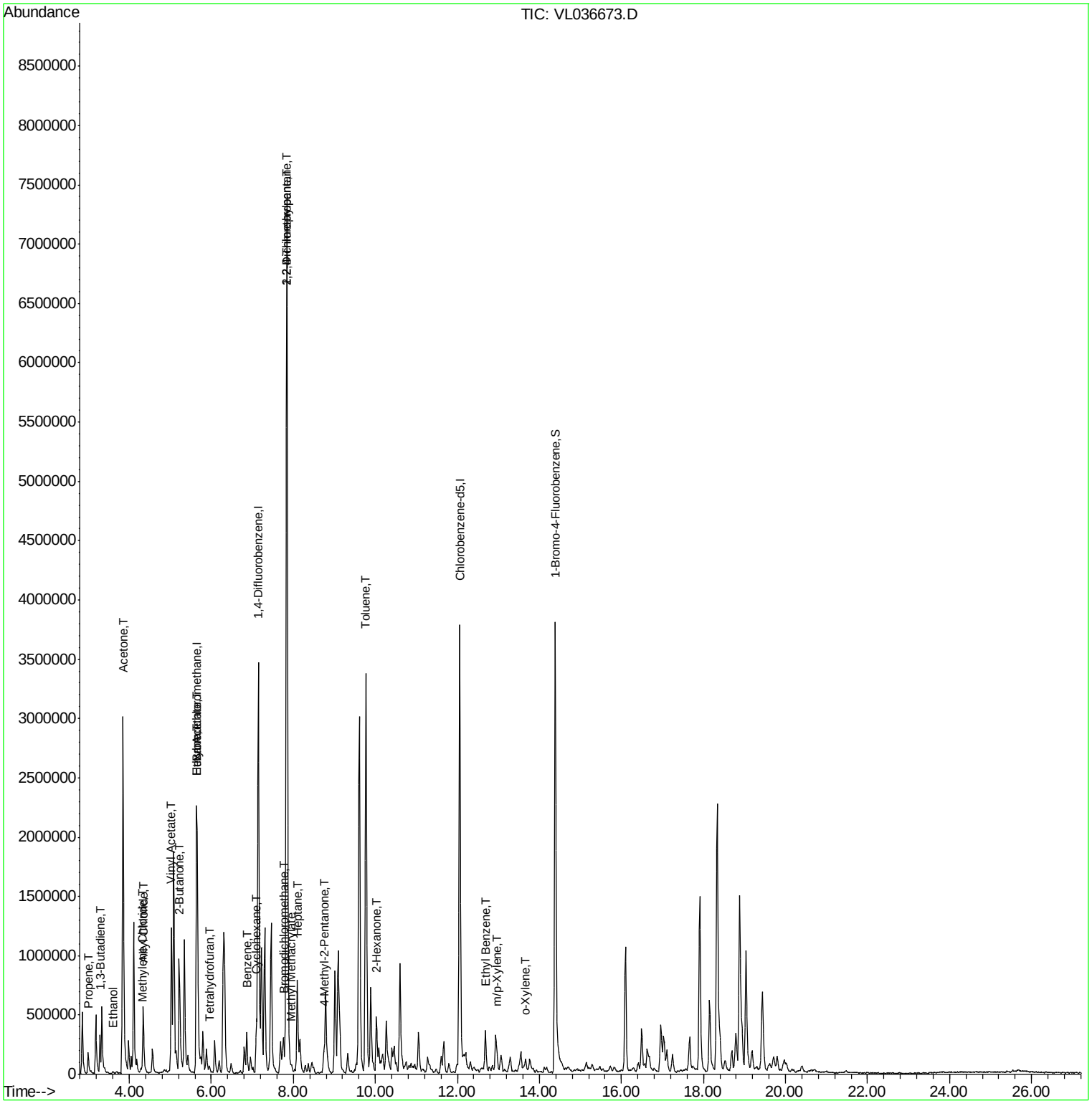
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040221\

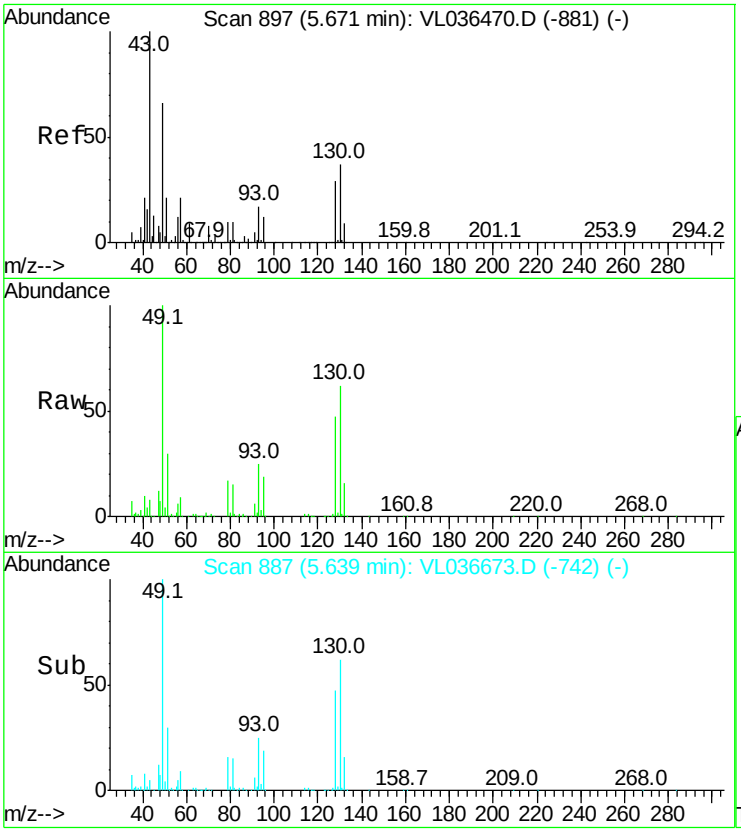
Quantitation Report (Not Reviewed)

Data File : VL036673.D
Acq On : 3 Apr 2021 9:46
Operator : SY/AP
Sample : M1834-05DL 60X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV5DL

Quant Time: Apr 04 18:42:24 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration



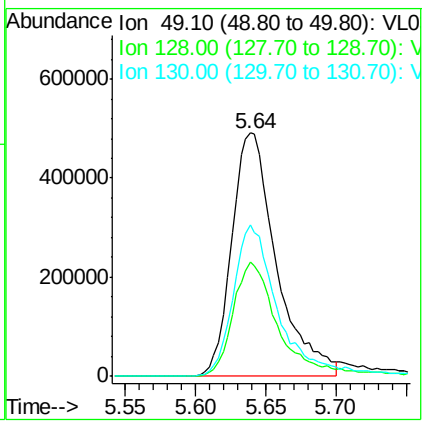


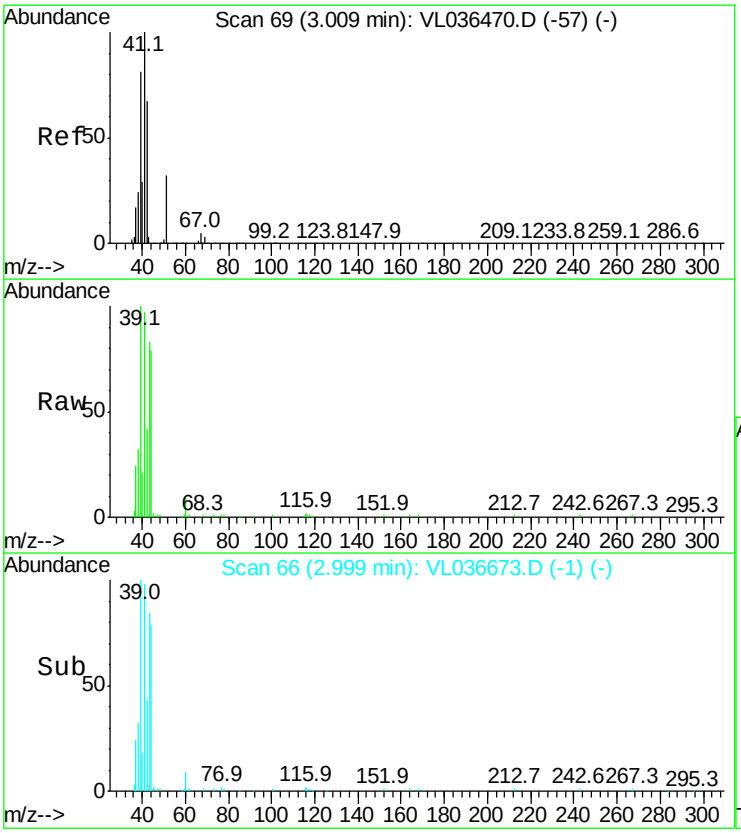
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion: 49 Resp: 1087575

Ion	Ratio	Lower	Upper
49	100		
128	49.6	23.5	70.6
130	64.7	29.1	87.4

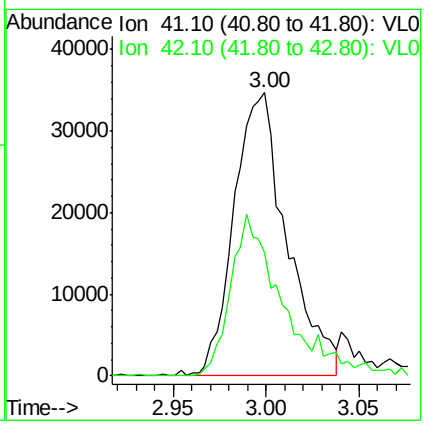


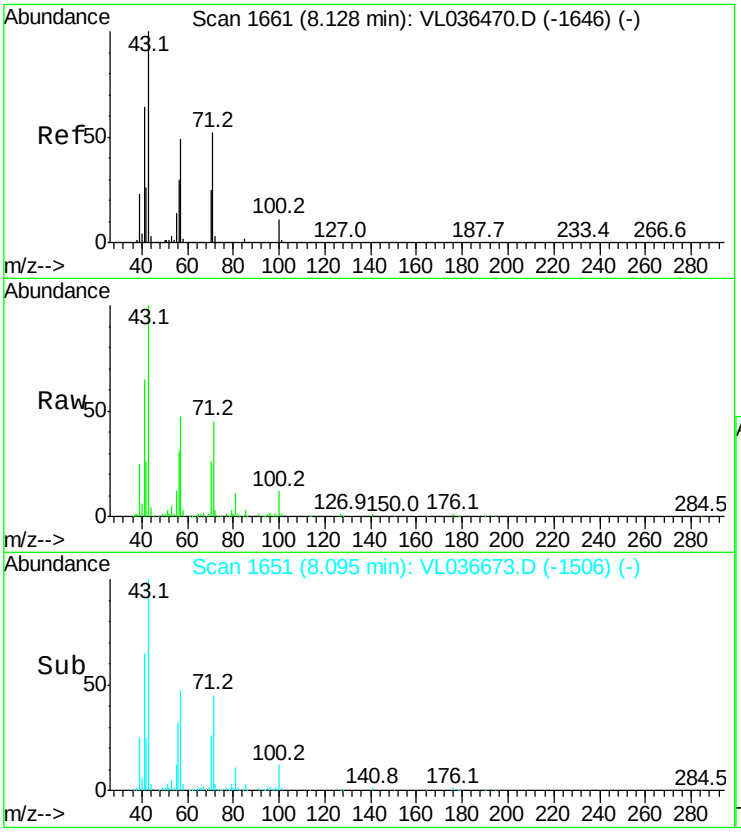


#9
Propene
Concen: 1.064 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 41 Resp: 68935

Ion	Ratio	Lower	Upper
41	100		
42	56.6	57.0	85.4#



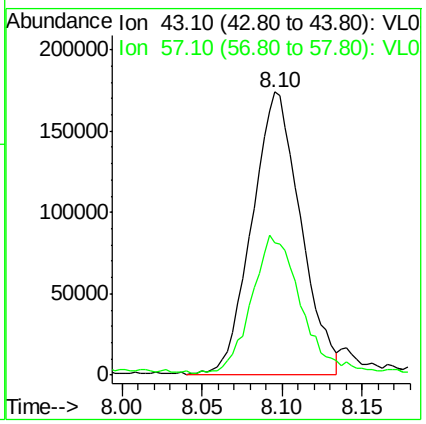


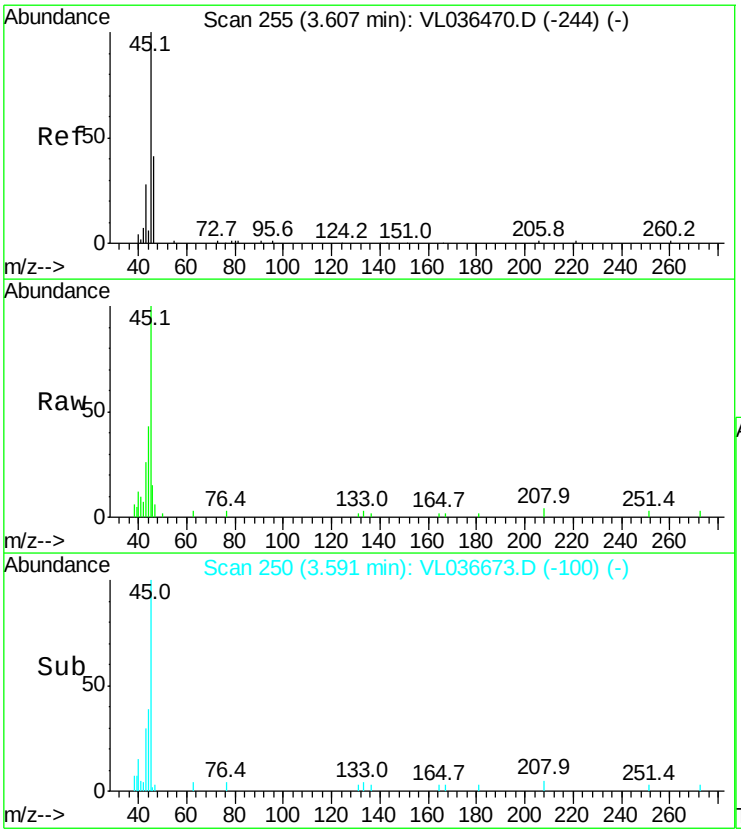
#10
Heptane
Concen: 2.205 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 43 Resp: 363904

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.0	58.6#

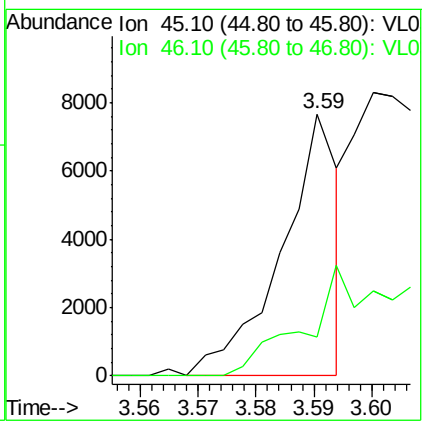


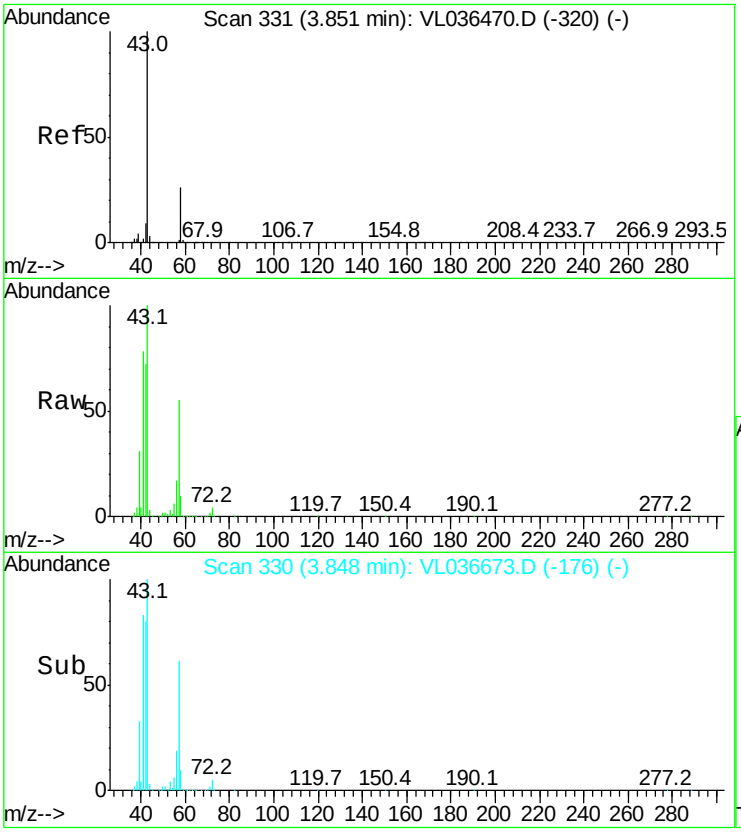


#13
Ethanol
Concen: 0.675 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 45 Resp: 5205

Ion	Ratio	Lower	Upper
45	100		
46	184.9	16.6	66.2#



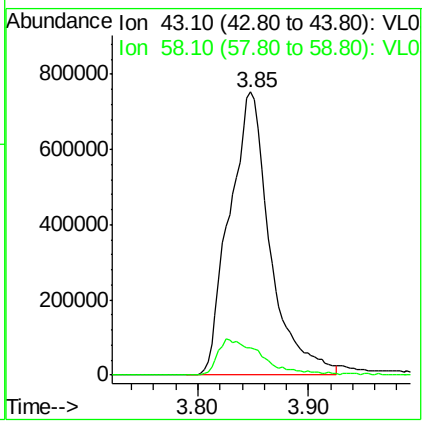


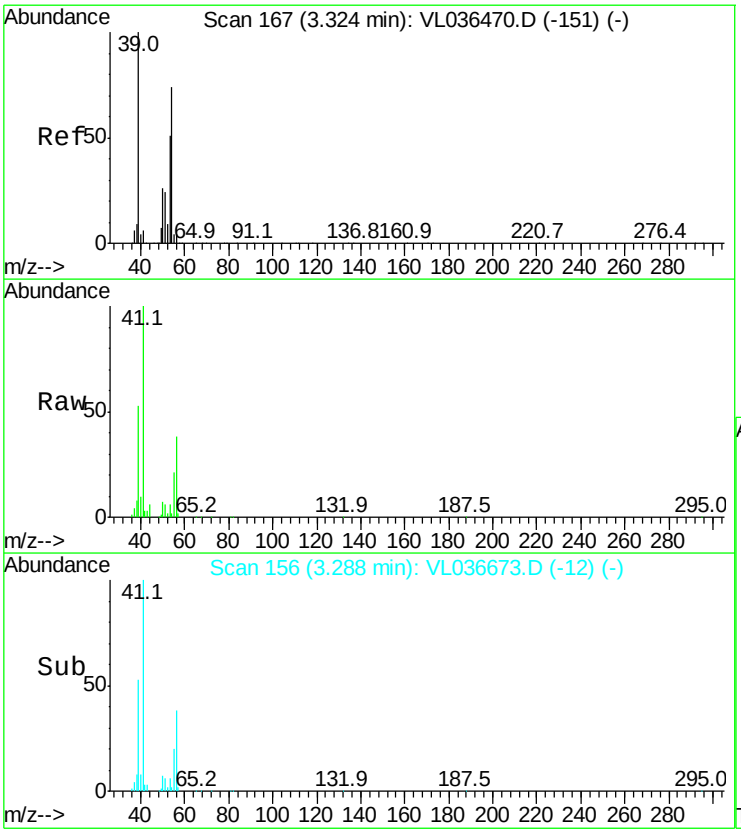
#15
Acetone
Concen: 17.951 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion: 43 Resp: 1921496

Ion	Ratio	Lower	Upper
43	100		
58	14.7	21.2	31.8#

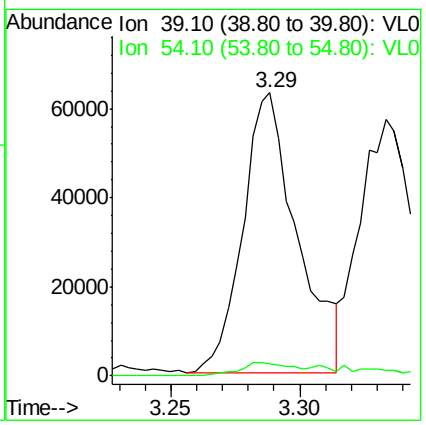


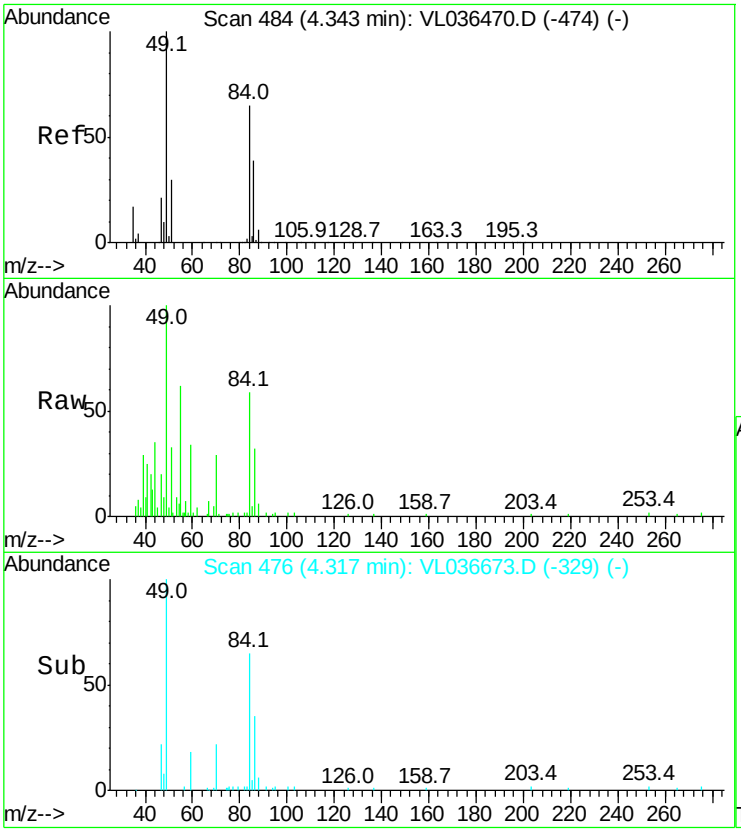


#16
1,3-Butadiene
Concen: 1.248 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 39 Resp: 92971

Ion	Ratio	Lower	Upper
39	100		
54	8.9	58.8	88.2#



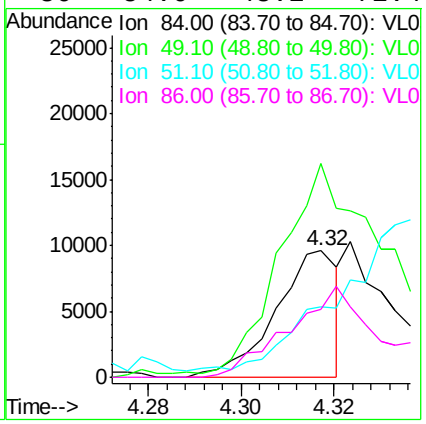


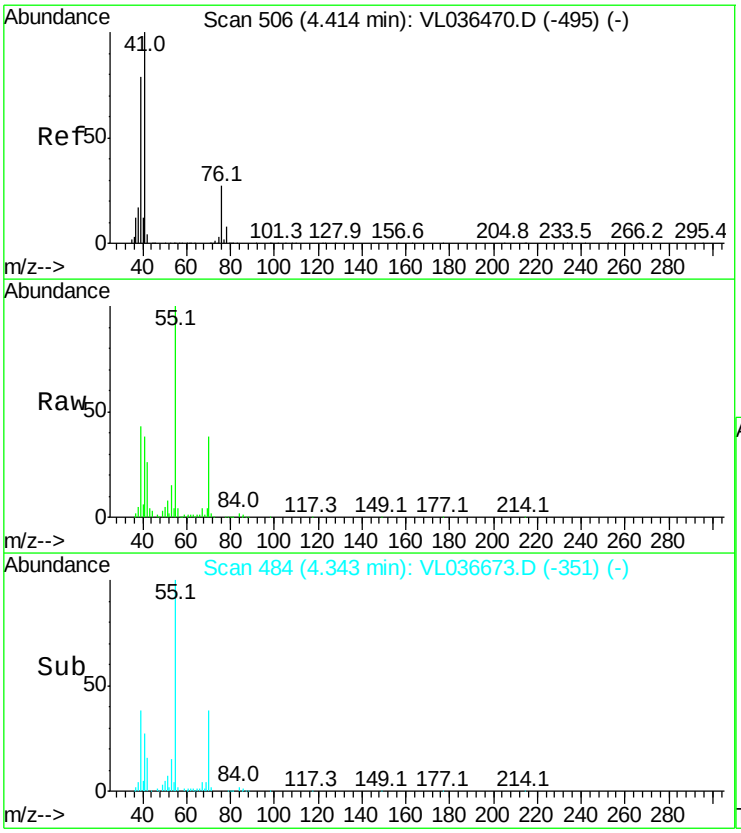
#20
Methylene Chloride
Concen: 0.178 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 84 Resp: 8927

Ion	Ratio	Lower	Upper
84	100		
49	165.1	122.9	184.3
51	50.6	36.9	55.3
86	54.0	48.2	72.4

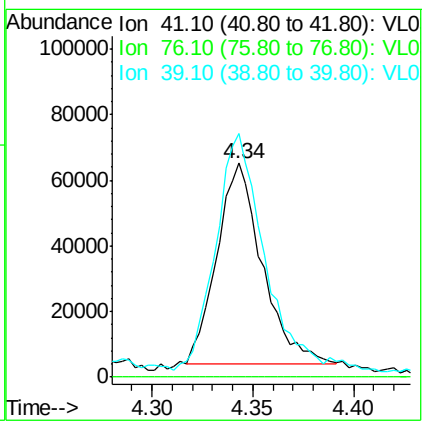


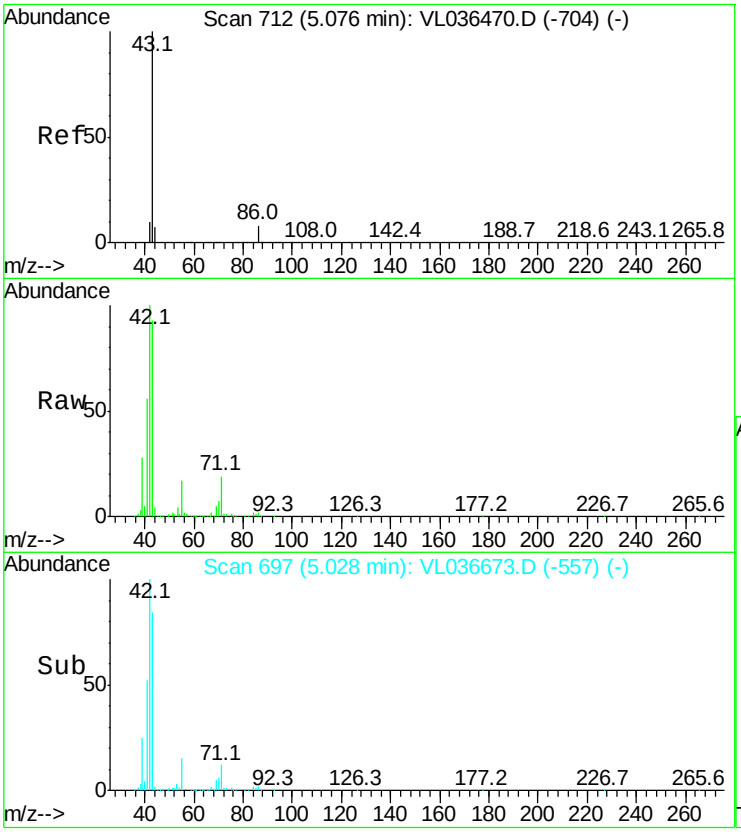


#21
Allyl Chloride
Concen: 1.123 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.07 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 41 Resp: 95831

Ion	Ratio	Lower	Upper
41	100		
76	0.2	22.9	34.3#
39	131.8	67.3	100.9#



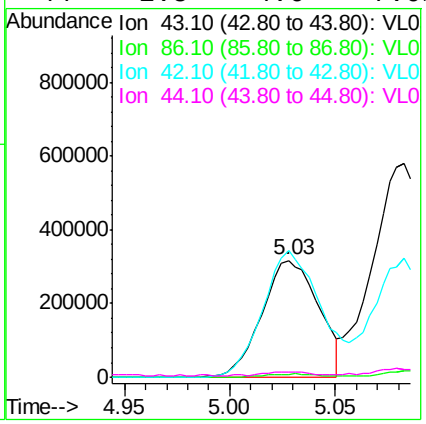


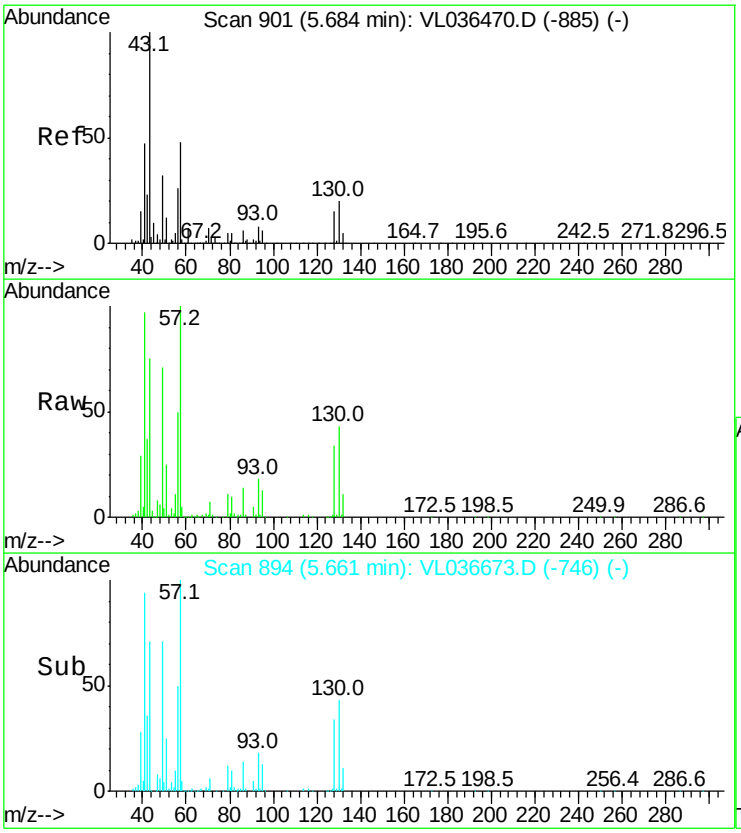
#23
Vinyl Acetate
Concen: 3.221 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.05 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 43 Resp: 589847

Ion	Ratio	Lower	Upper
43	100		
86	2.1	5.4	8.0#
42	108.0	8.5	12.7#
44	2.5	4.6	7.0#

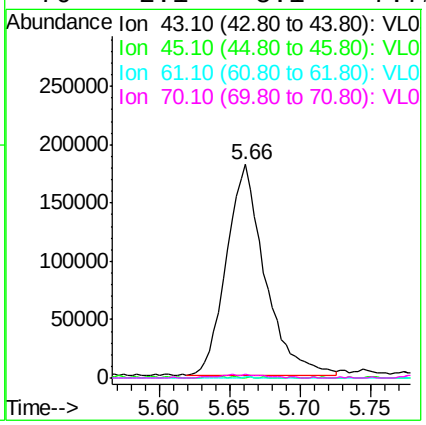


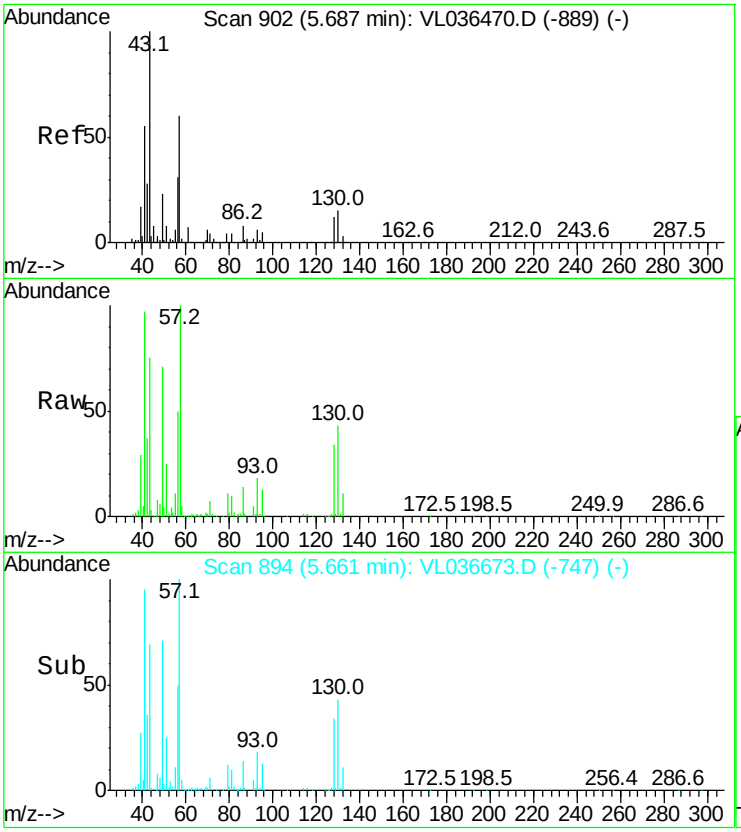


#25
Ethyl Acetate
Concen: 1.353 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 43 Resp: 344433

Ion	Ratio	Lower	Upper
43	100		
45	0.9	7.9	11.9#
61	0.2	7.4	11.2#
70	2.1	5.1	7.7#



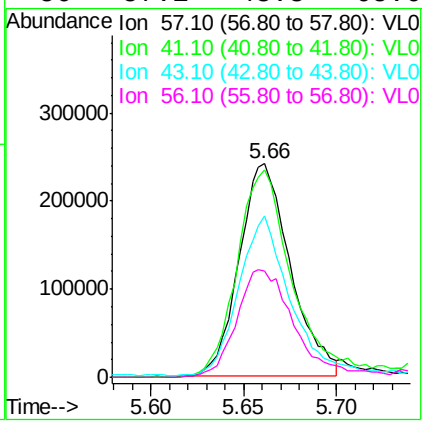


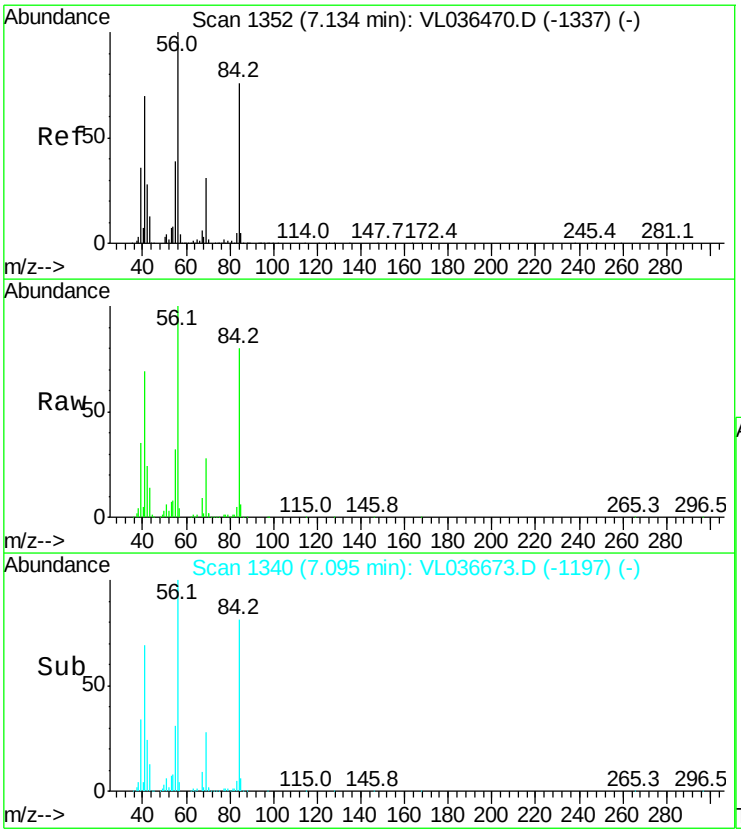
#26
Hexane
Concen: 3.938 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion: 57 Resp: 465095

Ion	Ratio	Lower	Upper
57	100		
41	110.6	77.2	115.8
43	77.2	173.8	260.6#
56	57.1	43.8	65.6

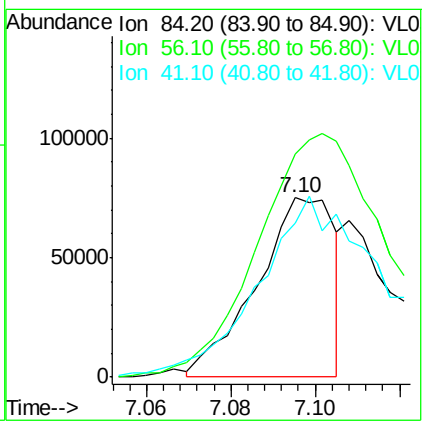


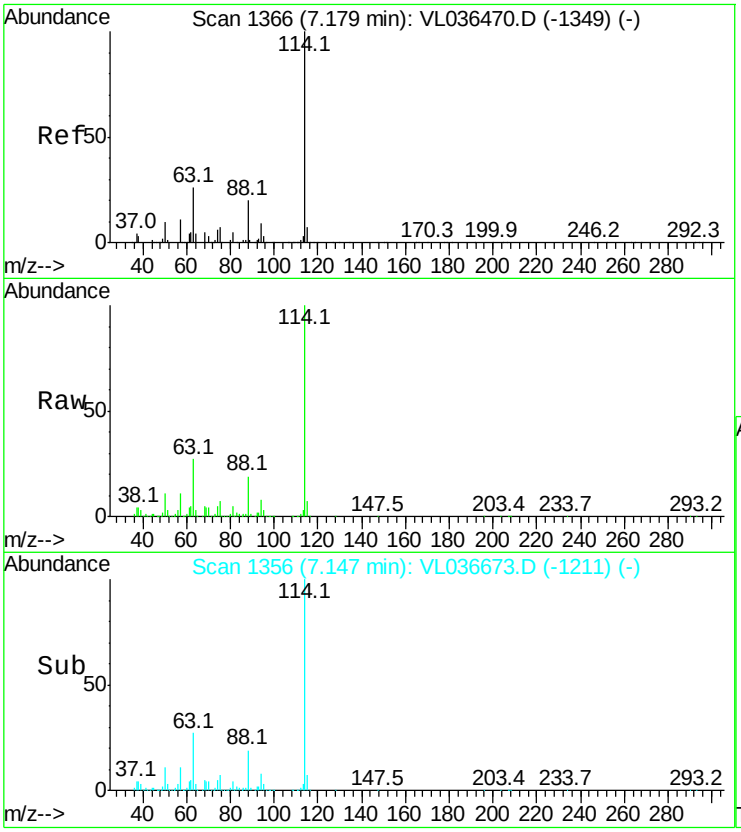


#30
Cyclohexane
Concen: 0.998 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 84 Resp: 95579

Ion	Ratio	Lower	Upper
84	100		
56	313.7	114.6	171.8#
41	162.0	75.3	112.9#



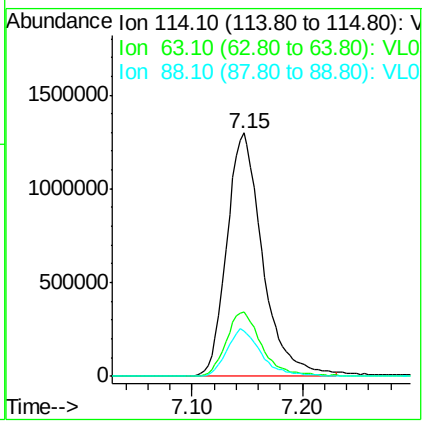


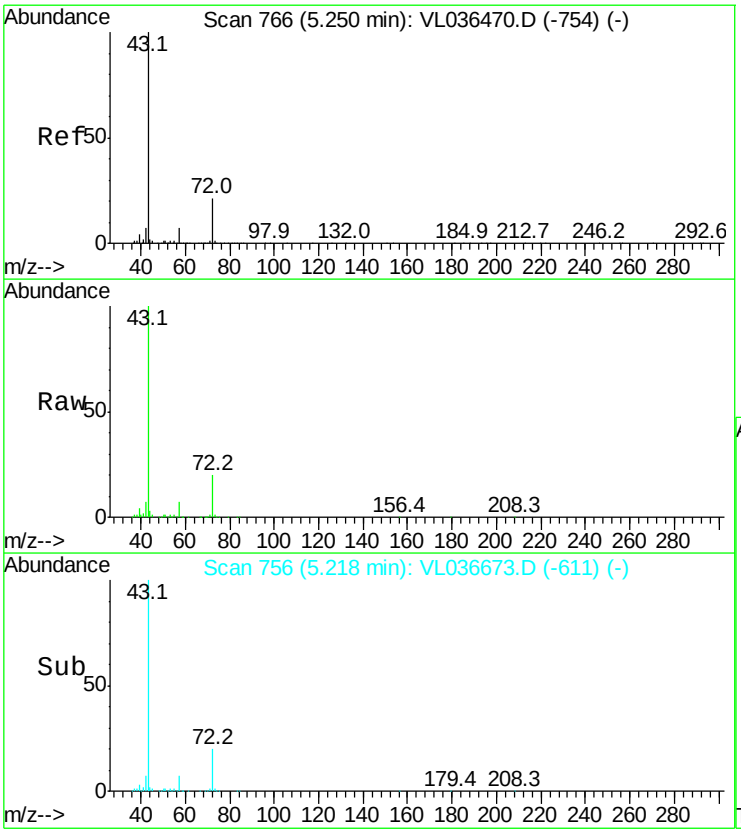
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion:114 Resp: 2919092

Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	19.2	15.4	23.0

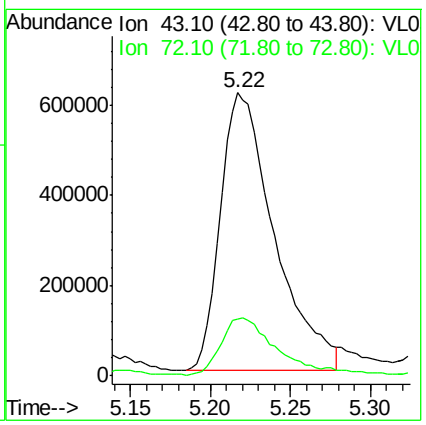


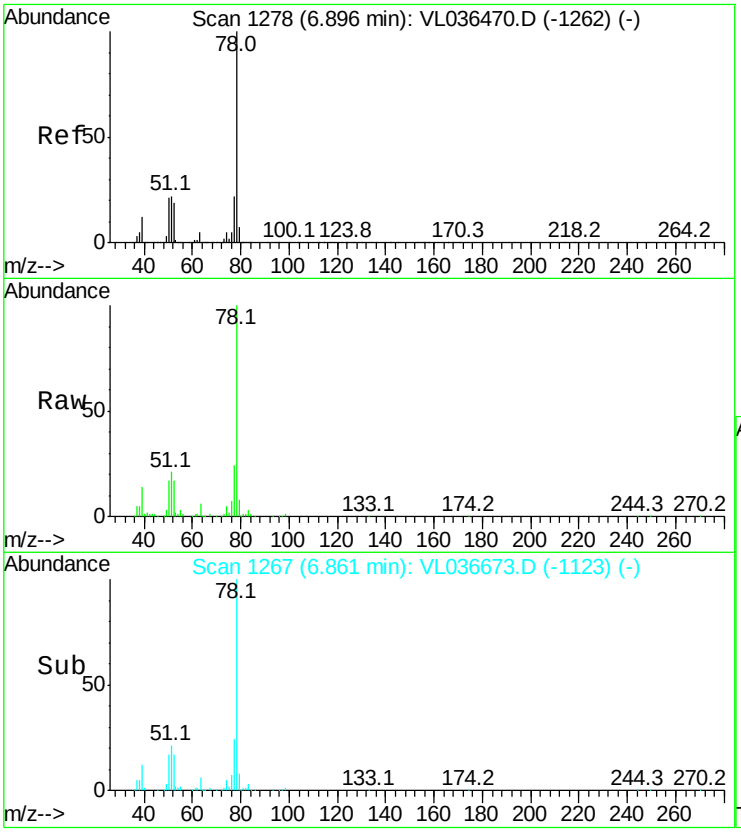


#34
2-Butanone
Concen: 9.979 ppbv
RT: 5.22 min Scan# 756
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 43 Resp: 1421850

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.0	25.6



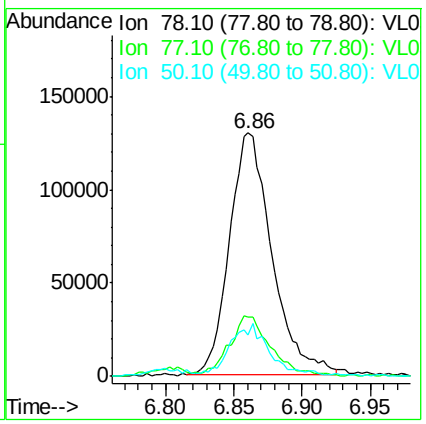


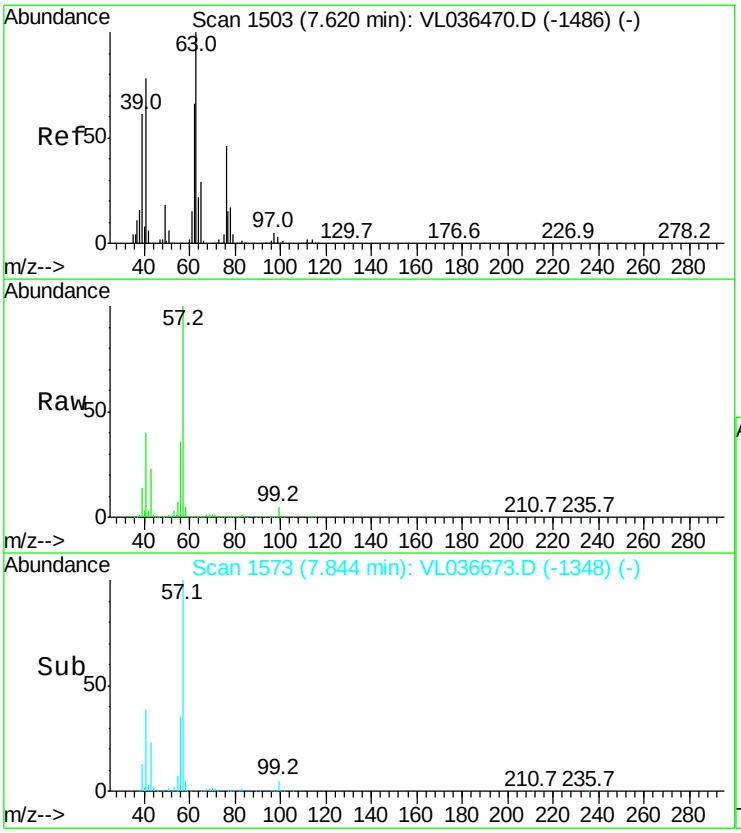
#36
Benzene
Concen: 1.044 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 78 Resp: 281143

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.0	27.0
50	16.3	16.5	24.7#

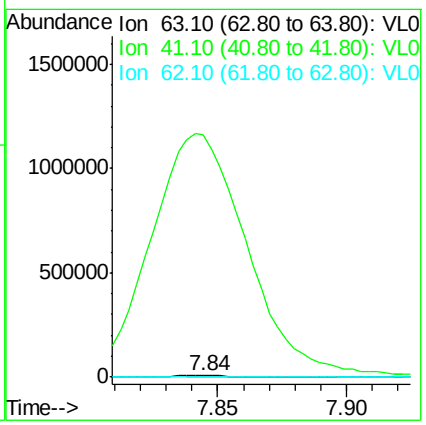


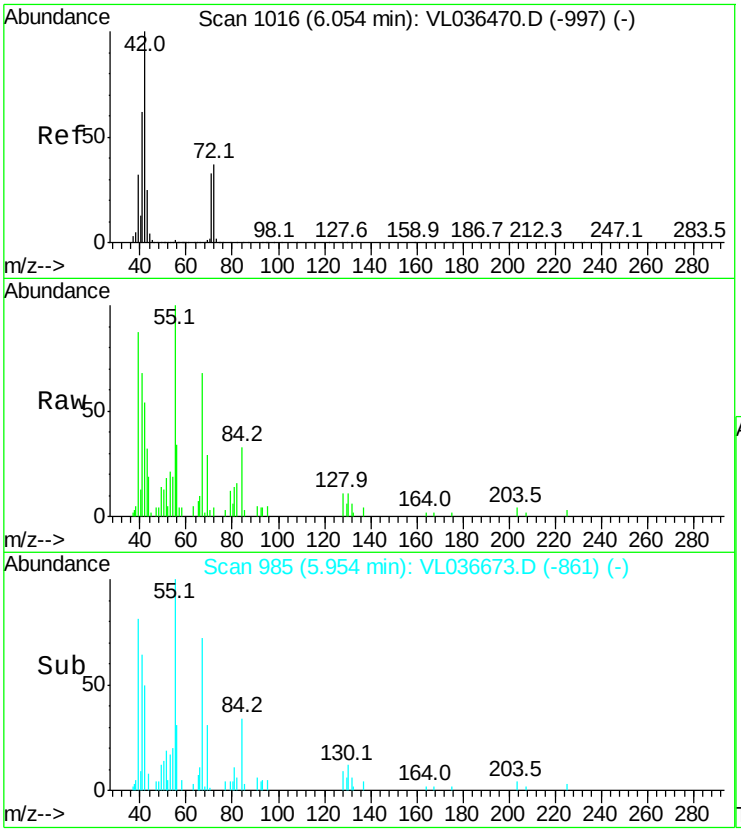


#39
1,2-Dichloropropane
Concen: 0.077 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.22 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 63 Resp: 8407

Ion	Ratio	Lower	Upper
63	100		
41	15075.4	62.4	93.6#
62	30.8	52.8	79.2#



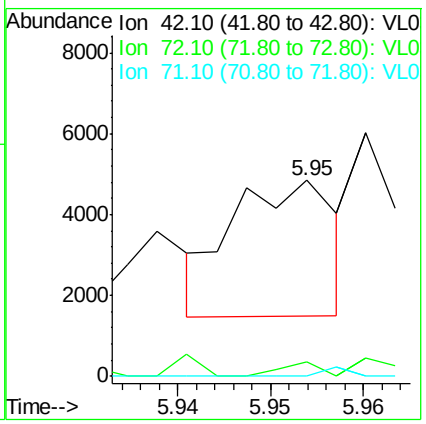


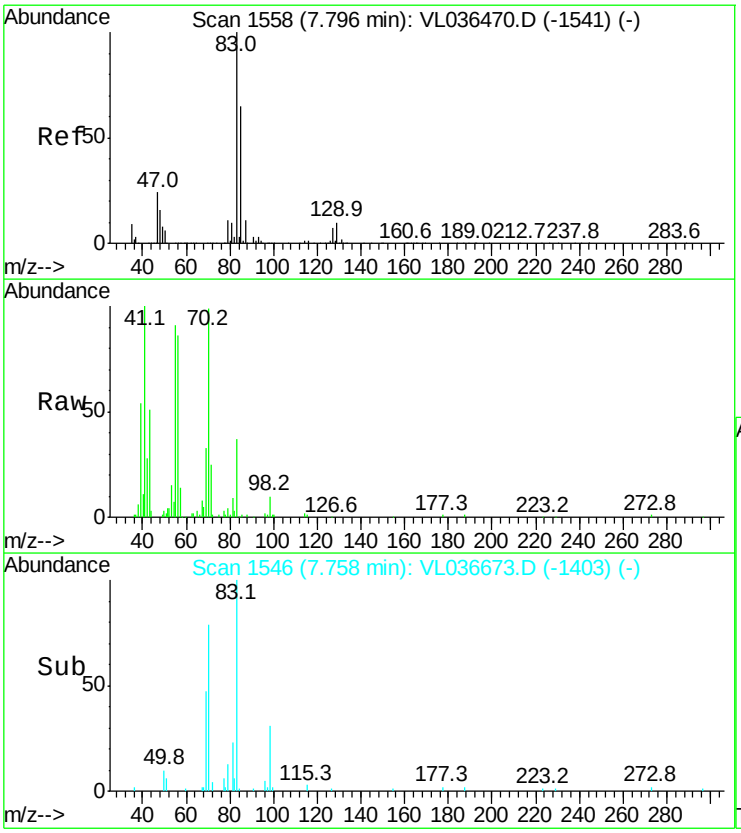
#41
Tetrahydrofuran
Concen: 0.039 ppbv
RT: 5.95 min Scan# 985
Delta R.T. -0.10 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion: 42 Resp: 2577

Ion	Ratio	Lower	Upper
42	100		
72	22.9	27.6	41.4#
71	0.0	27.0	40.4#

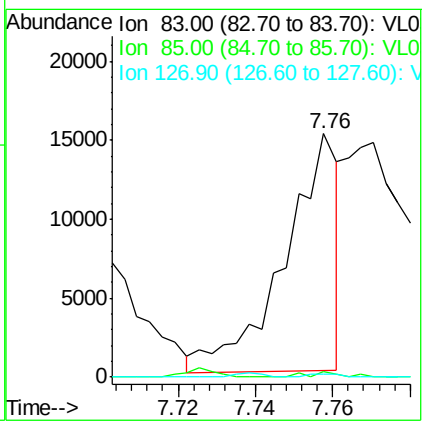


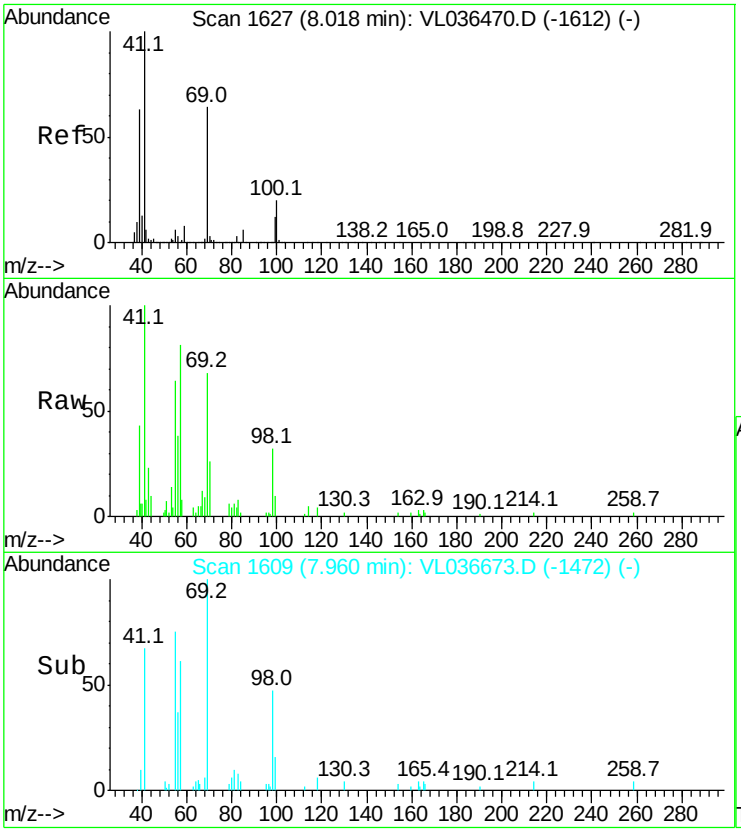


#42
Bromodichloromethane
Concen: 0.067 ppbv
RT: 7.76 min Scan# 1546
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 83 Resp: 14453

Ion	Ratio	Lower	Upper
83	100		
85	1.3	51.8	77.6#
127	1.1	5.8	8.8#



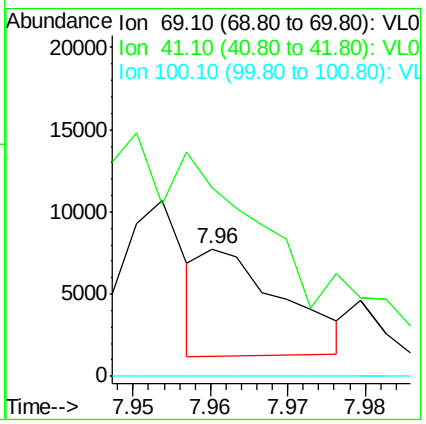


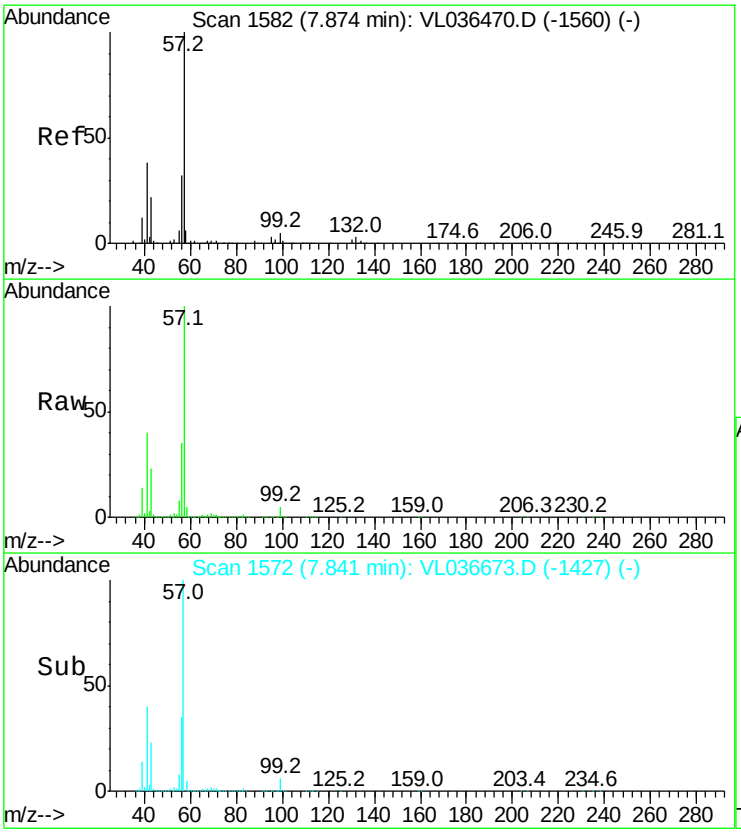
#43
Methyl Methacrylate
Concen: 0.052 ppbv
RT: 7.96 min Scan# 1609
Delta R.T. -0.06 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 69 Resp: 4728

Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.8	190.2#
100	0.0	24.9	37.3#

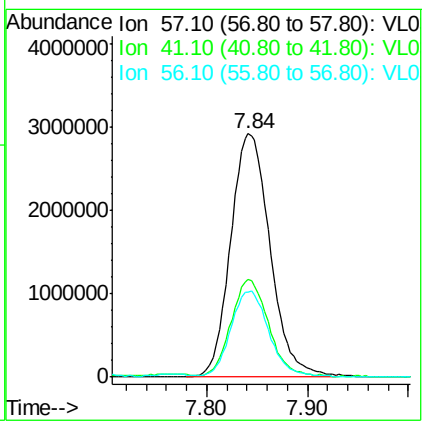


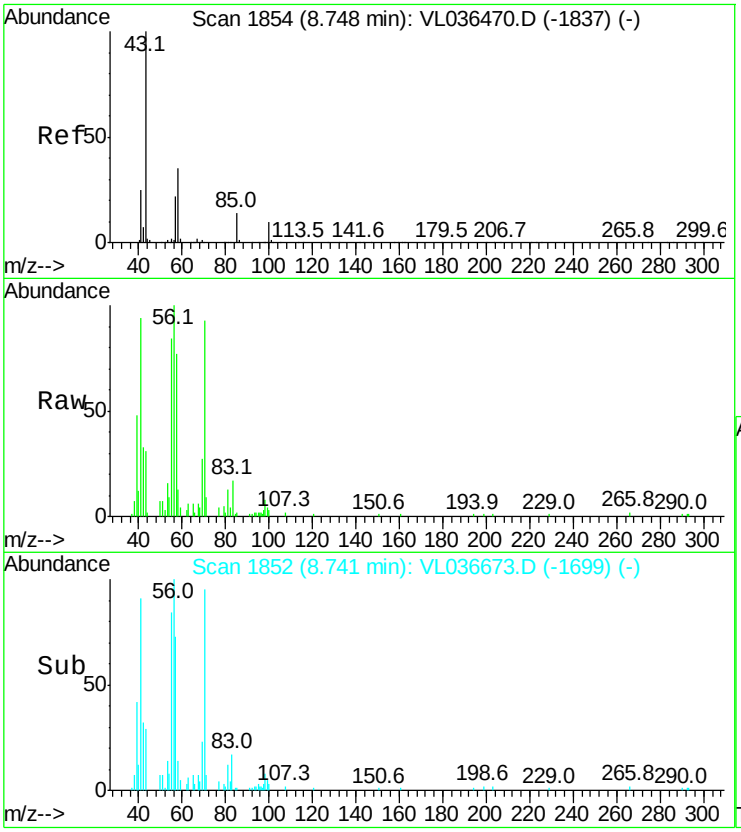


#44
2,2,4-Trimethylpentane
Concen: 16.716 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 57 Resp: 7920478

Ion	Ratio	Lower	Upper
57	100		
41	37.6	28.8	43.2
56	34.6	26.1	39.1



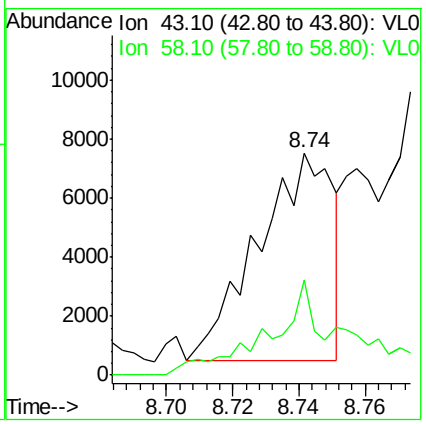


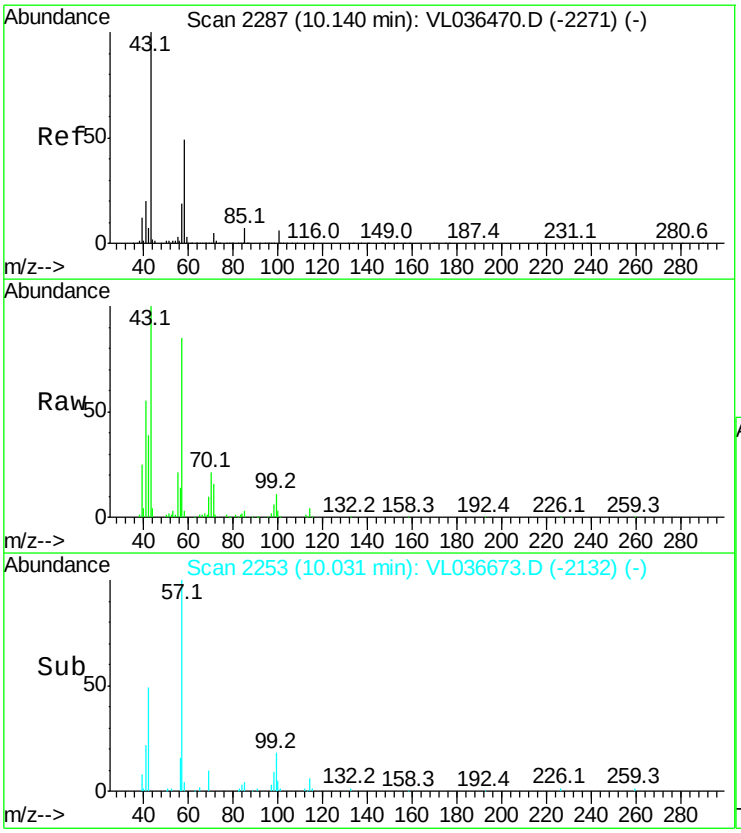
#50
4-Methyl-2-Pentanone
Concen: 0.054 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 43 Resp: 11089

Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.2	42.2#

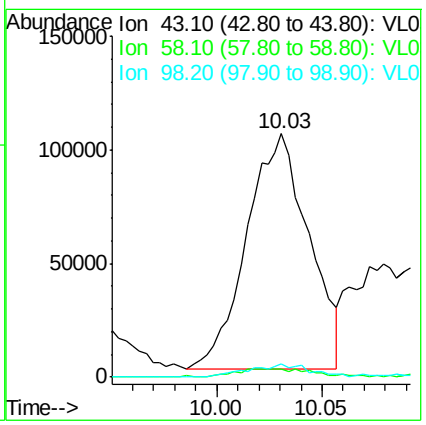


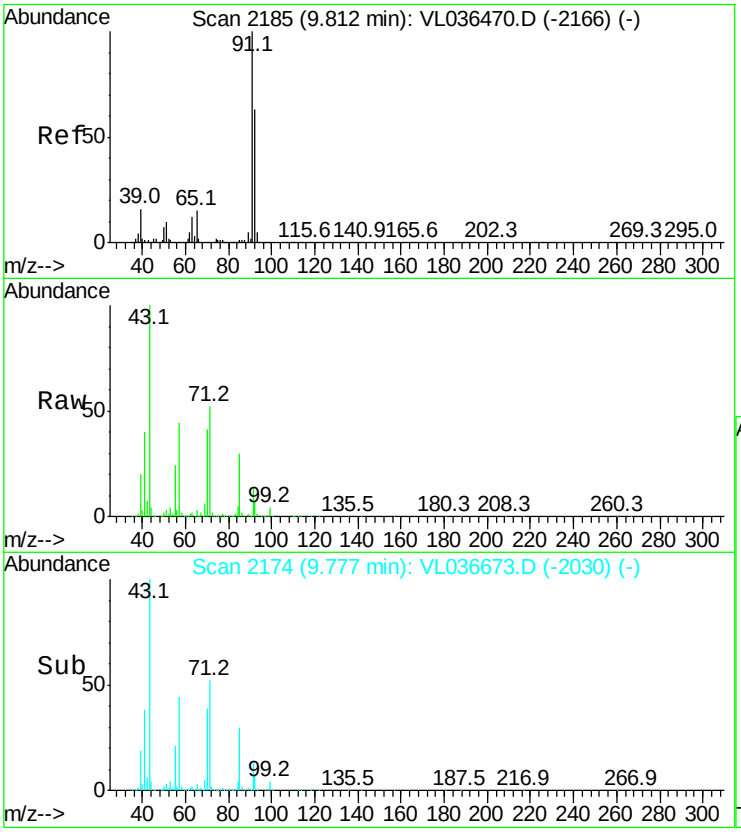


#51
2-Hexanone
Concen: 2.042 ppbv
RT: 10.03 min Scan# 2253
Delta R.T. -0.11 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 43 Resp: 212465

Ion	Ratio	Lower	Upper
43	100		
58	4.7	37.7	56.5#
98	6.4	0.2	0.2#



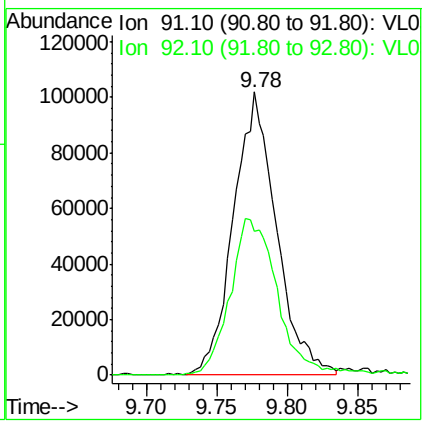


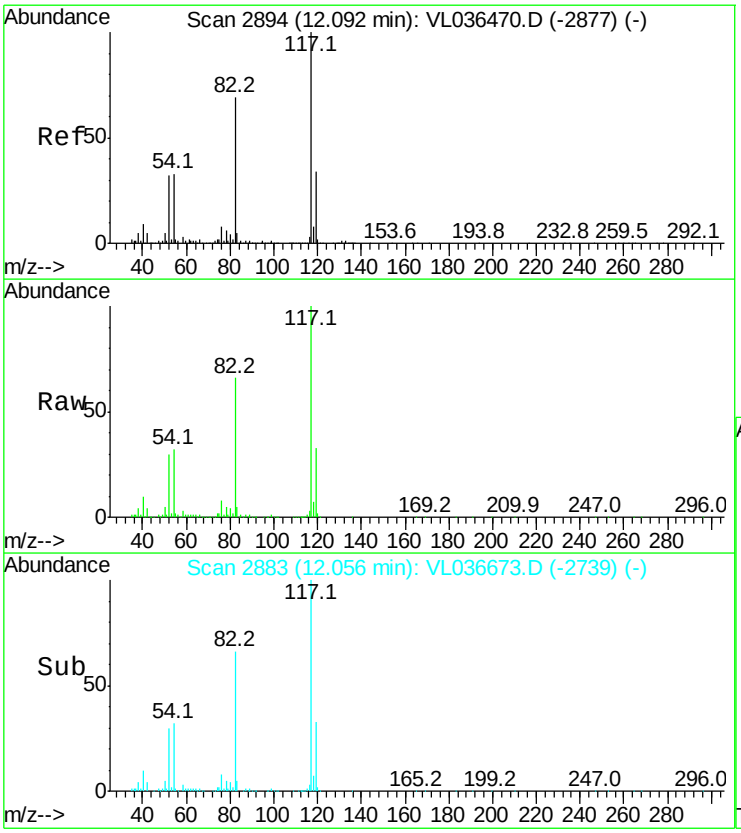
#53
Toluene
Concen: 0.753 ppbv
RT: 9.78 min Scan# 2174
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion: 91 Resp: 215800

Ion	Ratio	Lower	Upper
91	100		
92	62.7	48.8	73.2

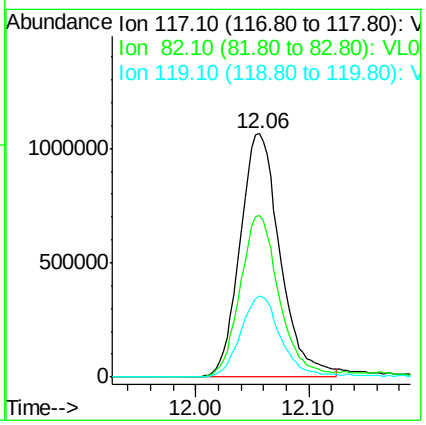


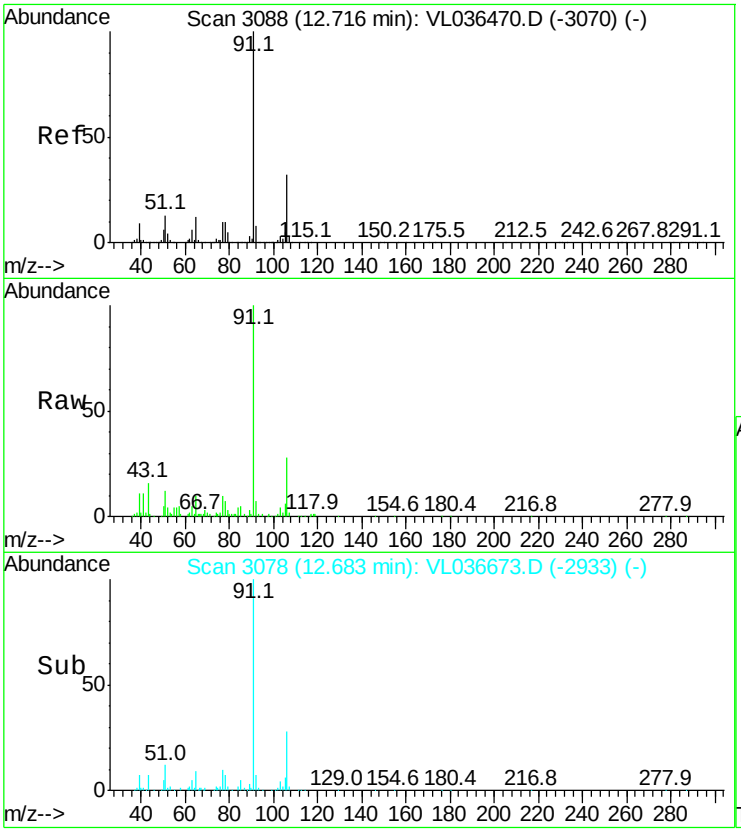


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion:117 Resp: 2624461

Ion	Ratio	Lower	Upper
117	100		
82	66.1	57.4	86.0
119	33.9	47.4	71.0#



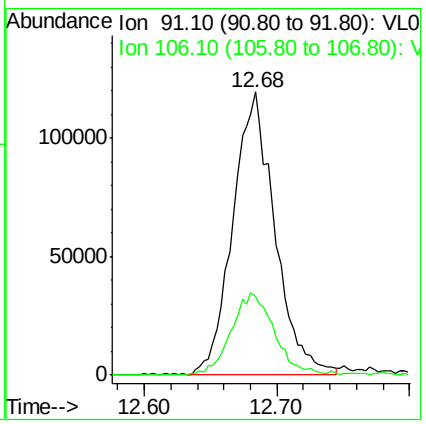


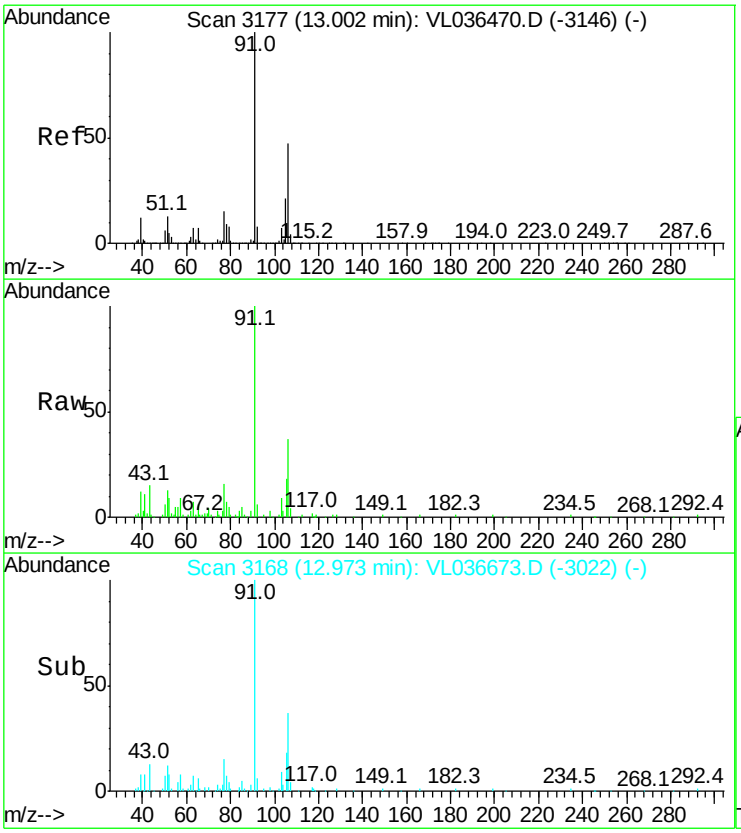
#58
Ethyl Benzene
Concen: 0.689 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument : MSVOA_L
ClientSampleId : SV5DL

Tgt Ion: 91 Resp: 263057

Ion	Ratio	Lower	Upper
91	100		
106	27.7	25.3	37.9

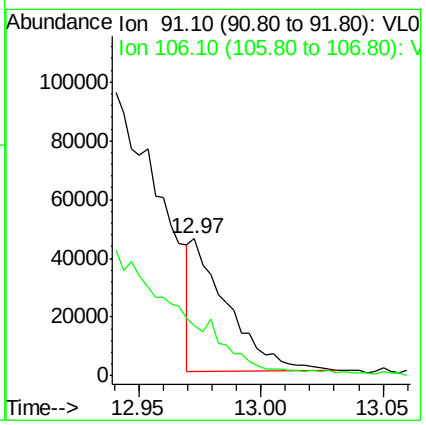


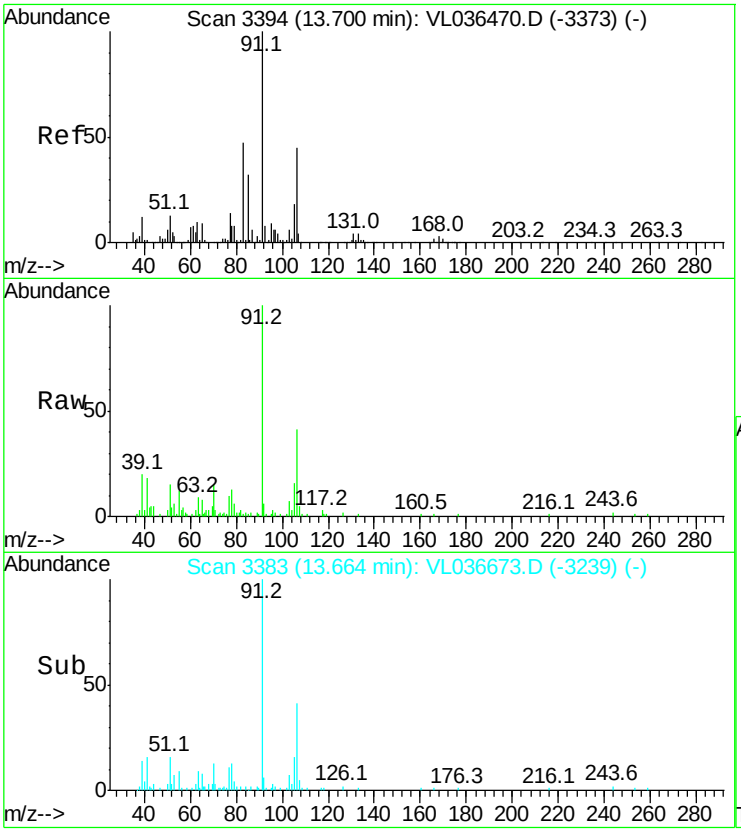


#59
m/p-Xylene
Concen: 0.141 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 91 Resp: 46824

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#



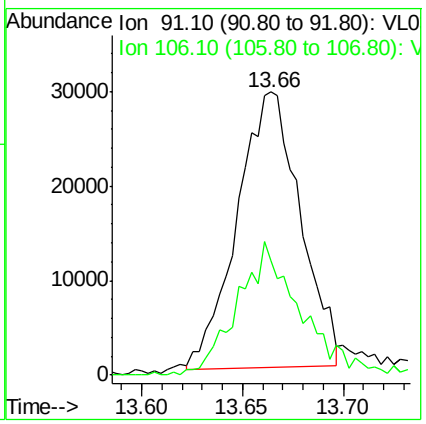


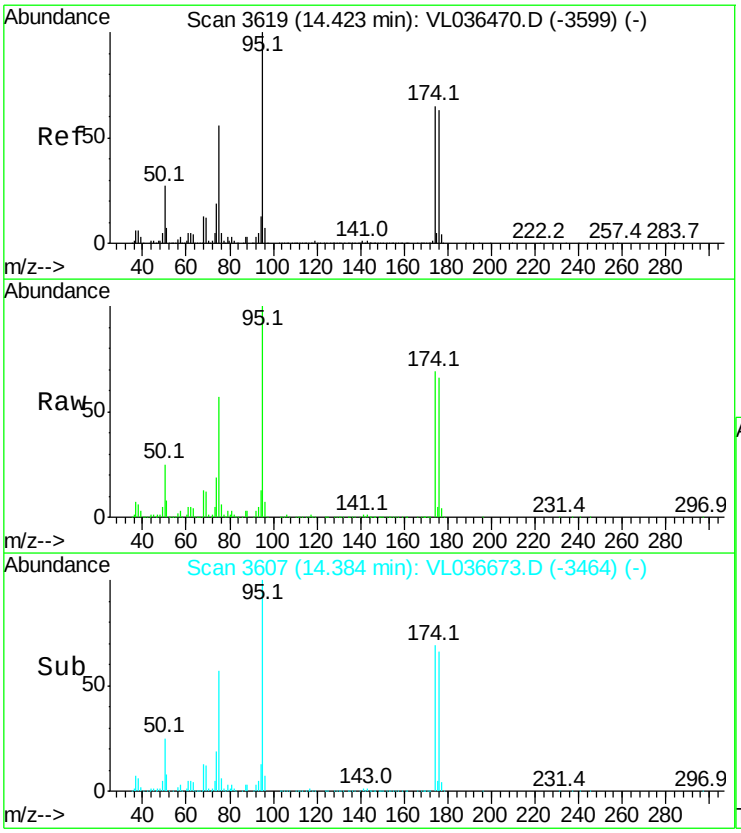
#60
o-Xylene
Concen: 0.198 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion: 91 Resp: 63858

Ion	Ratio	Lower	Upper
91	100		
106	48.1	22.3	66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.953 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL036673.D
Acq: 3 Apr 2021 9:46

Tgt Ion: 95 Resp: 2081984

Ion	Ratio	Lower	Upper
95	100		
174	72.0	51.0	76.6
175	5.5	3.9	5.9