Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040221\
Data File : VL036664.D
Acq On : 3 Apr 2021 3:22
Operator : SY/AP
Sample : M1834-03 1200X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Apr 03 07:29:20 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	5.66	49	1342910	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3311141	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3447568	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2696761	9.81	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.19	51	545068	2.172	ppbv	#	59
4) Chloromethane	3.19	50	640763	7.230	ppbv	#	71
9) Propene	3.19	41	17120177	214.035	ppbv		91
10) Heptane	8.17	43	19055463	93.515	ppbv	#	81
13) Ethanol	3.60	45	2162	0.227	ppbv	#	20
15) Acetone	4.12	43	3278640	24.806	ppbv	#	48
16) 1,3-Butadiene	3.33	39	25245275	274.346	ppbv	#	16
17) tert-Butyl alcohol	4.31	59	4430	0.039	ppbv	#	72
20) Methylene Chloride	4.31	84	285783	4.618	ppbv	#	10
21) Allyl Chloride	4.37	41	23426110	222.336	ppbv	#	67
23) Vinyl Acetate	5.08	43	31740637	140.391	ppbv	#	1
24) 1,1-Dichloroethane	5.07	63	712836	4.326	ppbv	#	90
25) Ethyl Acetate	5.72	43	26661811	84.847	ppbv	#	78
26) Hexane	5.72	57	31871240	218.560	ppbv	#	47
28) Methyl tert-Butyl Ether	5.05	73	481838	2.802	ppbv	#	52
29) Chloroform	6.00	83	41041	0.176	ppbv		87
30) Cyclohexane	7.15	84	15453803	130.672	ppbv		82
31) cis-1,2-Dichloroethene	5.47	61	16033	0.114	ppbv	#	26
34) 2-Butanone	5.40	43	21113561	130.631	ppbv	#	59
36) Benzene	6.90	78	20346358	66.627	ppbv	#	62
37) 1,2-Dichloroethane	6.34	62	127112	0.707	ppbv	#	1
39) 1,2-Dichloropropane	7.54	63	58478	0.472	ppbv	#	1
41) Tetrahydrofuran	6.00	42	769593	10.327	ppbv	#	41
42) Bromodichloromethane	7.83	83	3853881	15.764	ppbv	#	25
43) Methyl Methacrylate	7.97	69	790209	7.706	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.82	57	375751	0.699	ppbv	#	1
47) 1,1,2-Trichloroethane	9.48	97	9767	0.078	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.79	43	506724	2.167	ppbv		90
51) 2-Hexanone	10.13	43	6077676	51.497	ppbv	#	30
53) Toluene	9.83	91	411878	1.267	ppbv		98
58) Ethyl Benzene	12.71	91	7479611	14.912	ppbv		96
59) m/p-Xylene	12.99	91	293846	0.672	ppbv	#	51
60) o-Xylene	13.67	91	24505	0.058	ppbv		68
62) Isopropylbenzene	14.66	105	300879	0.528	ppbv		99
64) n-propylbenzene	15.55	120	11613	0.083	ppbv	#	1

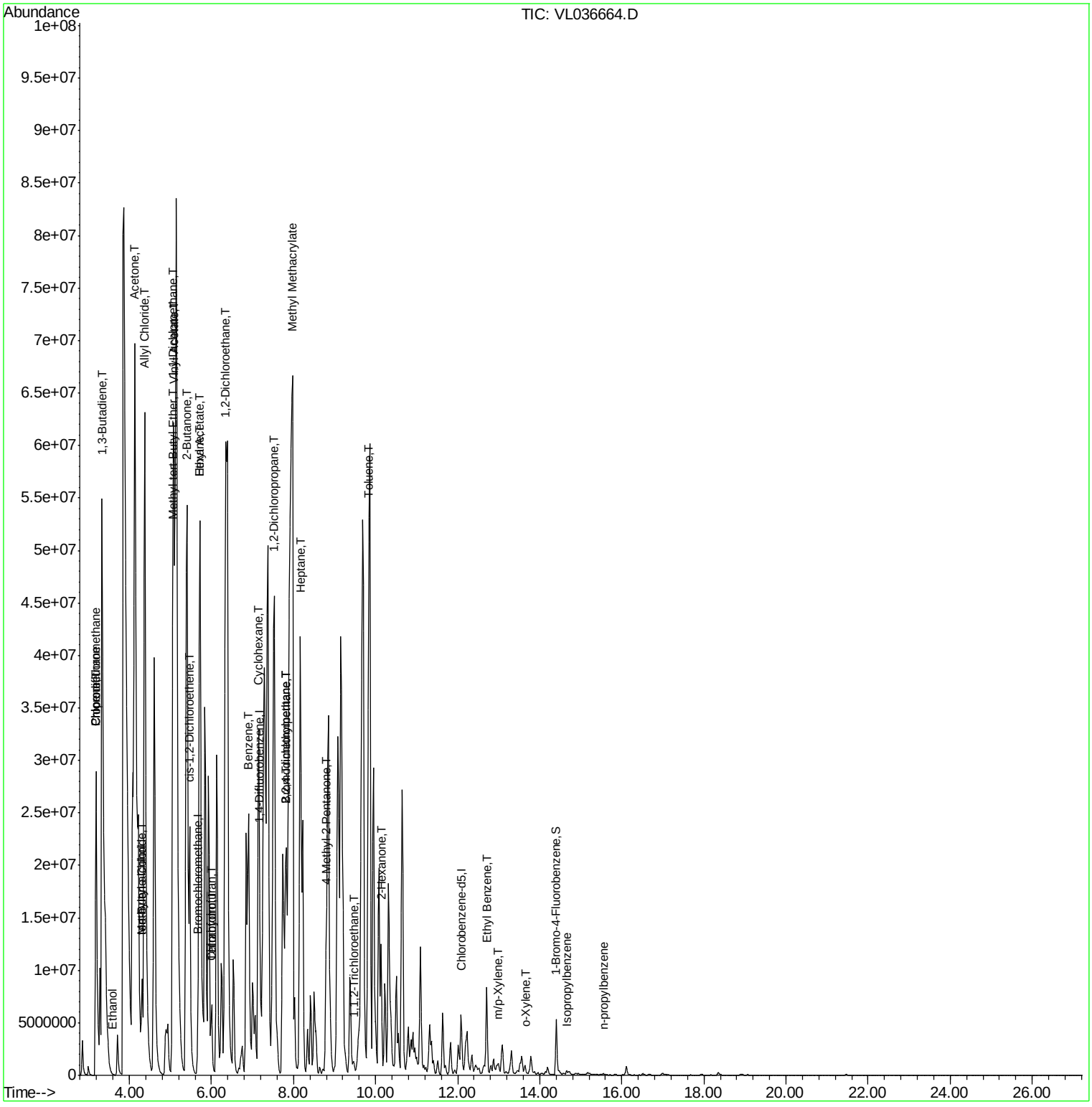
(#) = qualifier out of range (m) = manual integration (+) = signals summed

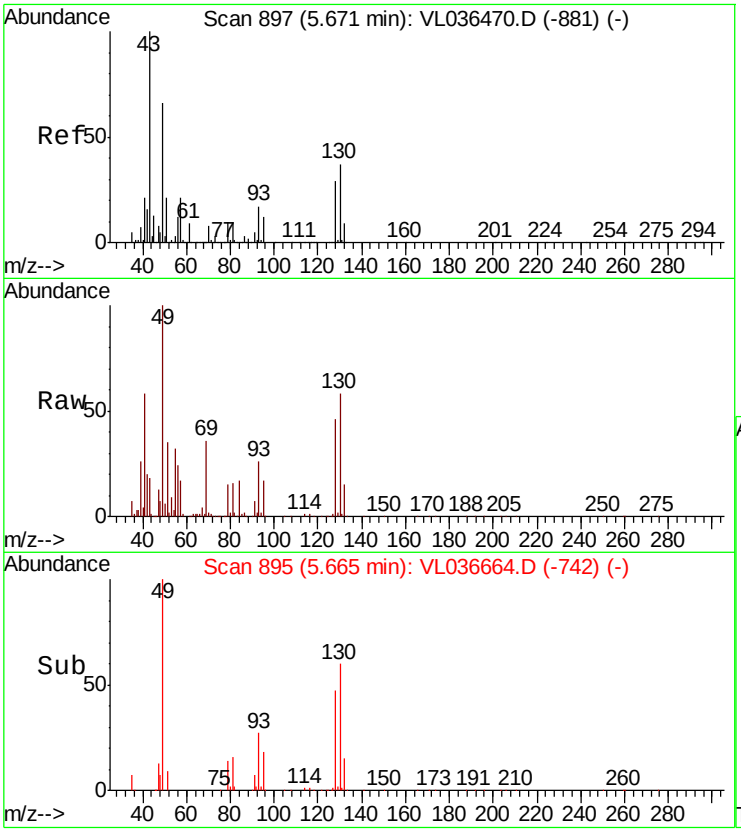
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040221\
Data File : VL036664.D
Acq On : 3 Apr 2021 3:22
Operator : SY/AP
Sample : M1834-03 1200X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 03 07:29:20 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



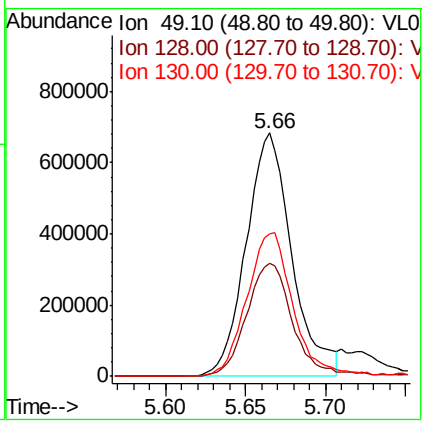


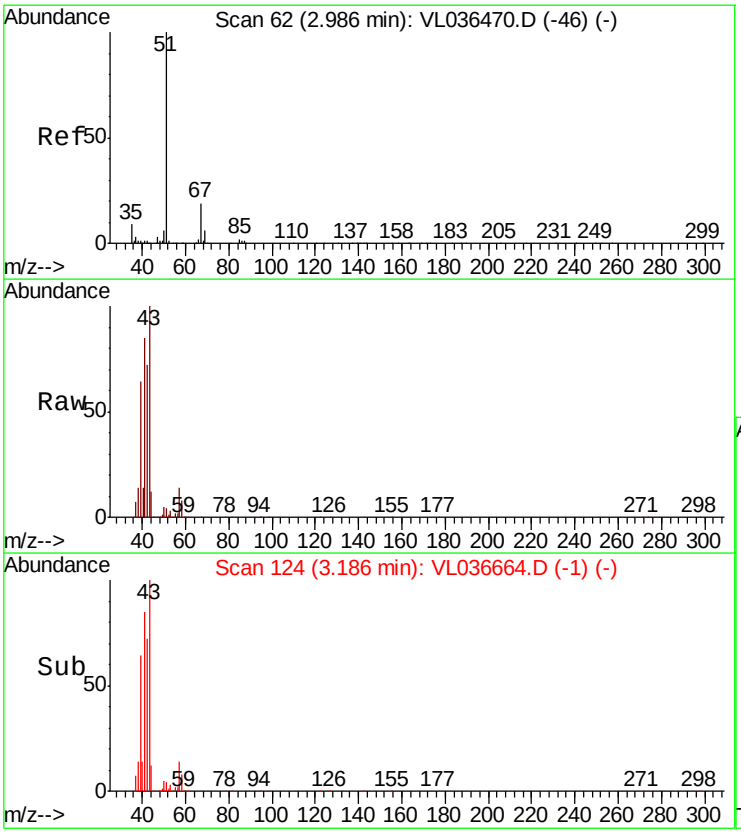
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1342910

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.5	70.6
130	61.6	29.1	87.4

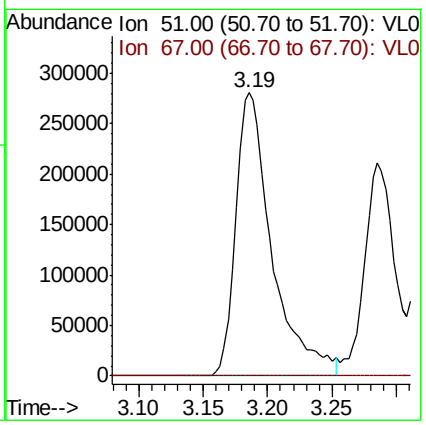


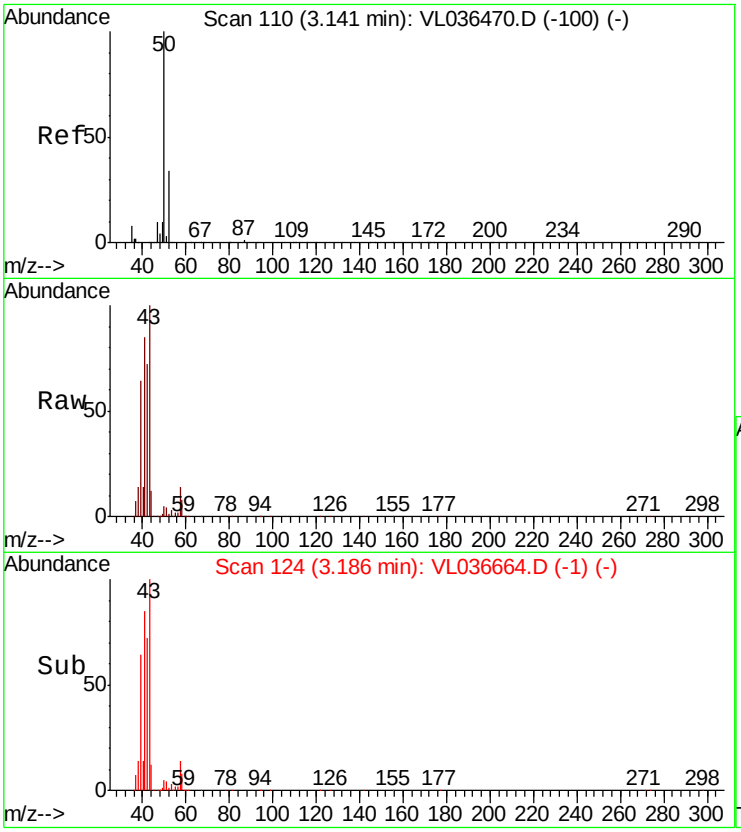


#3
Chlorodifluoromethane
Concen: 2.172 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.20 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 51 Resp: 545068

Ion	Ratio	Lower	Upper
51	100		
67	0.1	14.7	22.1#



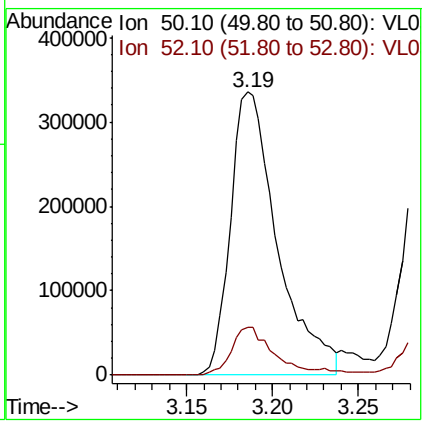


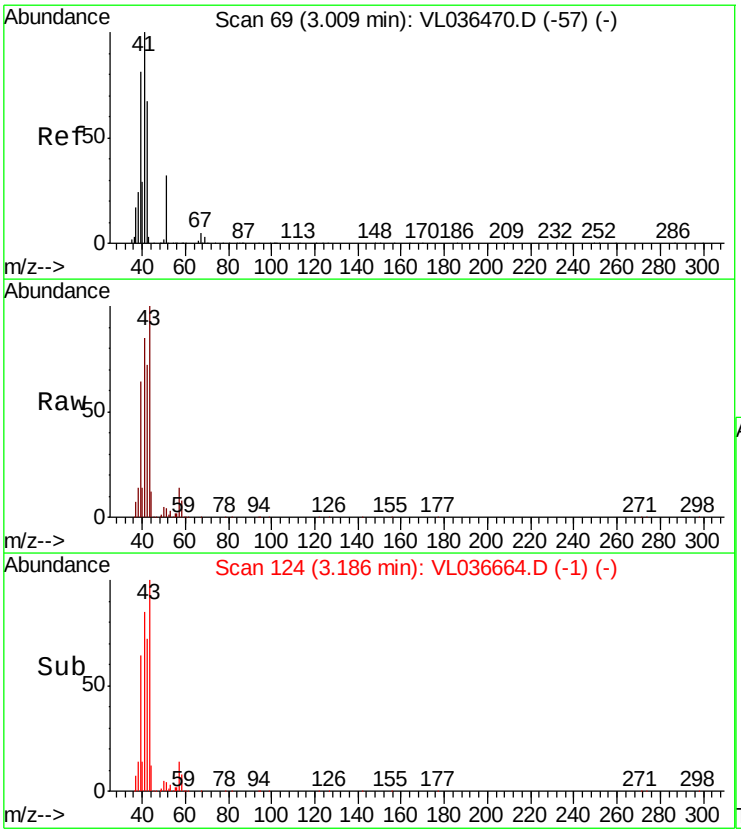
#4
Chloromethane
Concen: 7.230 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 640763

Ion	Ratio	Lower	Upper
50	100		
52	17.1	27.0	40.6#

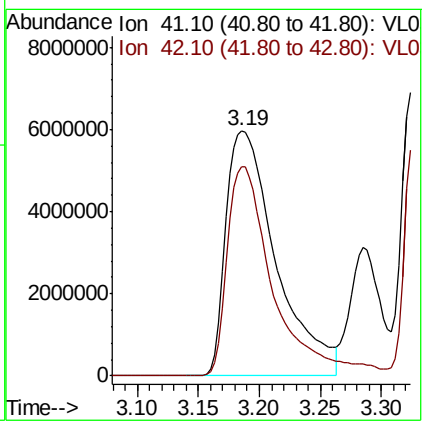


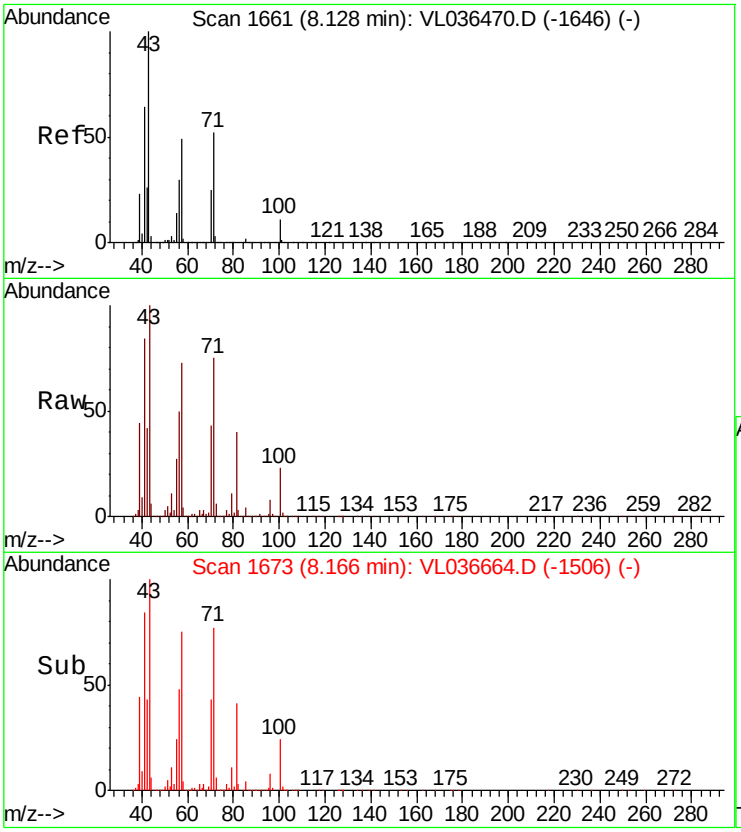


#9
Propene
Concen: 214.035 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.18 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 41 Resp:17120177

Ion	Ratio	Lower	Upper
41	100		
42	78.4	57.0	85.4



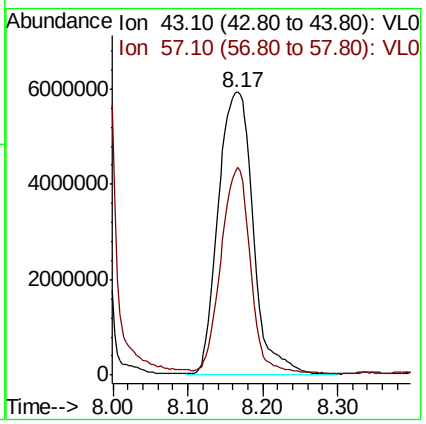


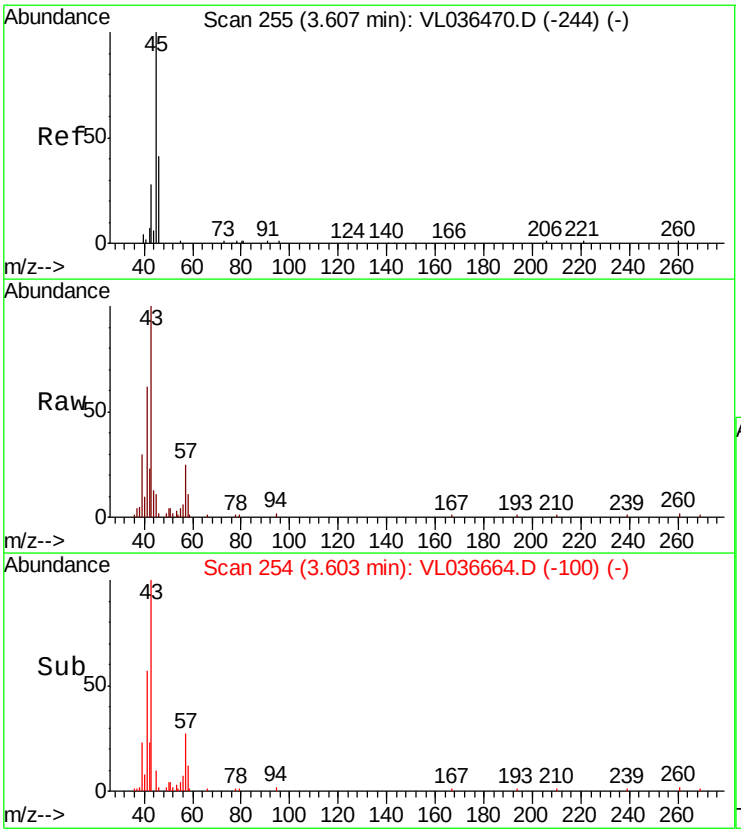
#10
Heptane
Concen: 93.515 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp:19055463

Ion	Ratio	Lower	Upper
43	100		
57	61.8	39.0	58.6#

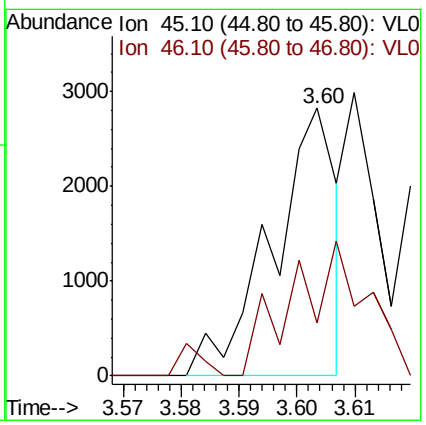


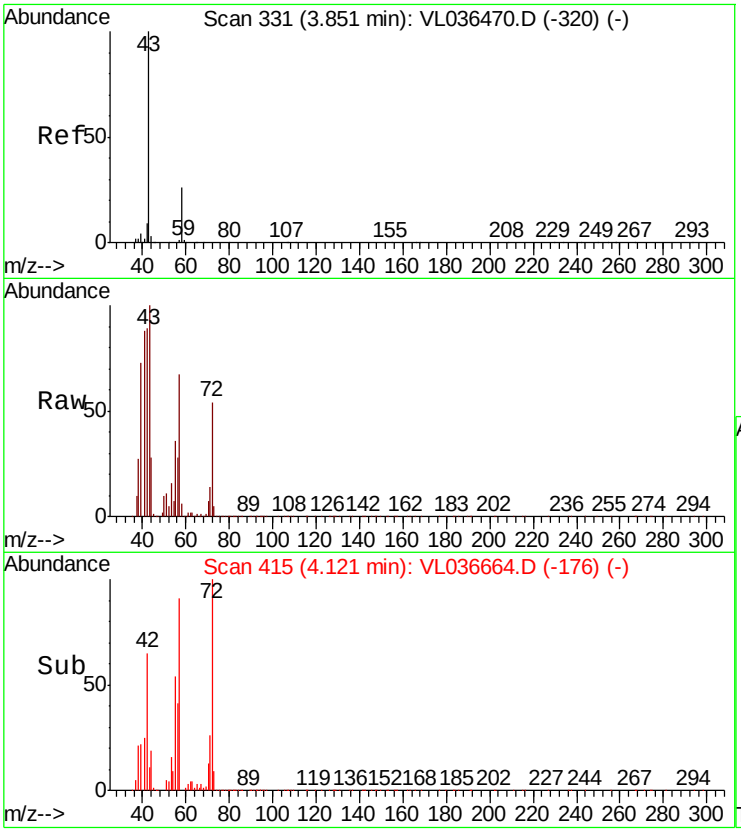


#13
Ethanol
Concen: 0.227 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 45 Resp: 2162

Ion	Ratio	Lower	Upper
45	100		
46	91.8	16.6	66.2#



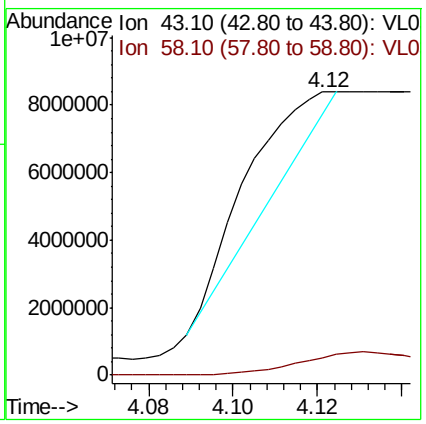


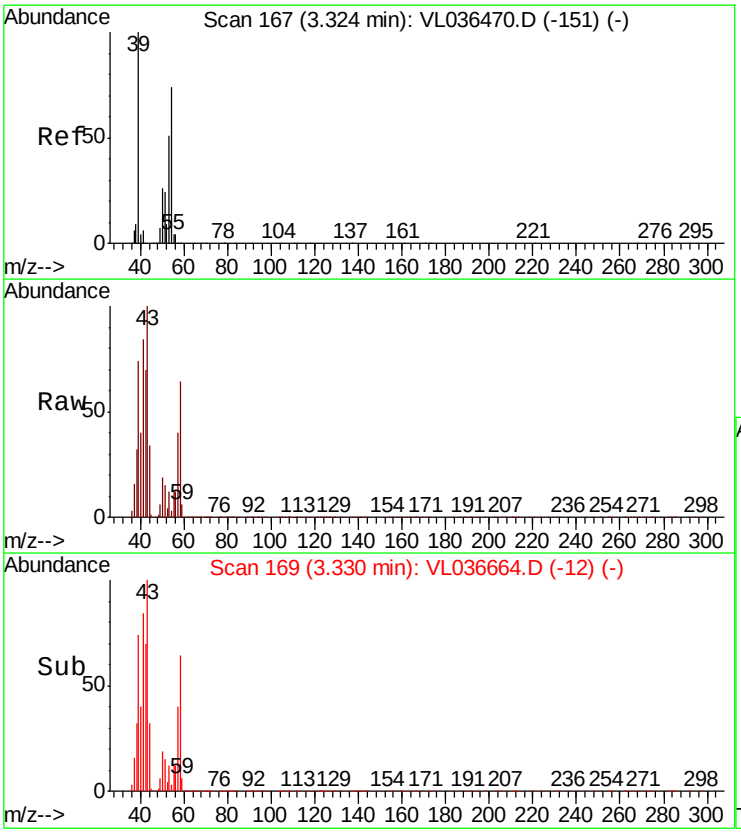
#15
Acetone
Concen: 24.806 ppbv
RT: 4.12 min Scan# 415
Delta R.T. 0.27 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3278640

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#

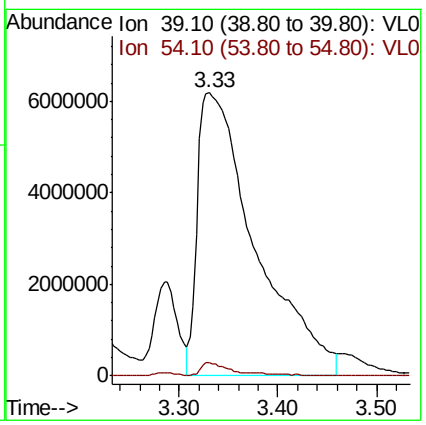


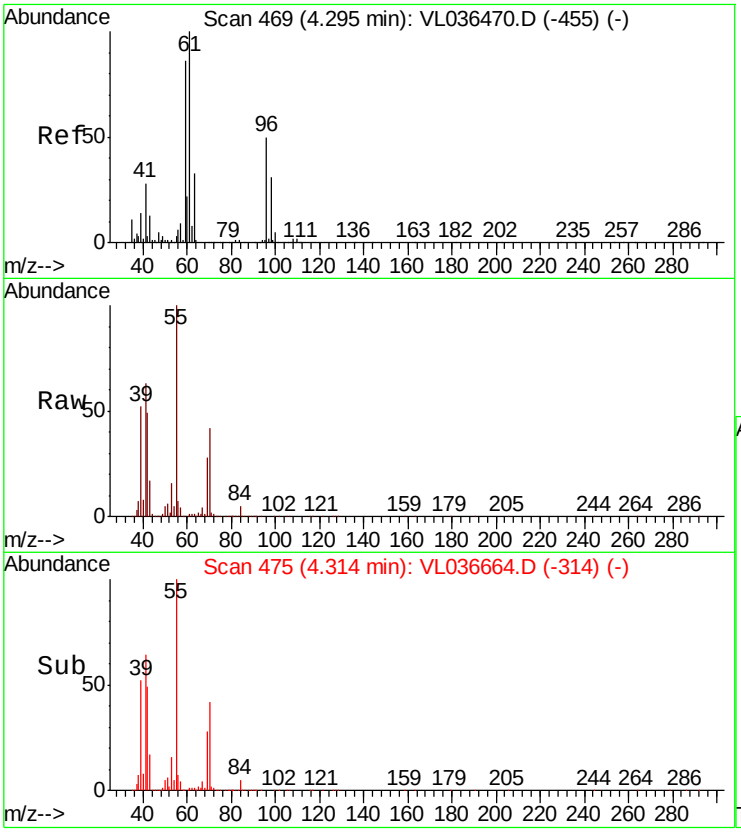


#16
1,3-Butadiene
Concen: 274.346 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 39 Resp:25245275

Ion	Ratio	Lower	Upper
39	100		
54	2.8	58.8	88.2#



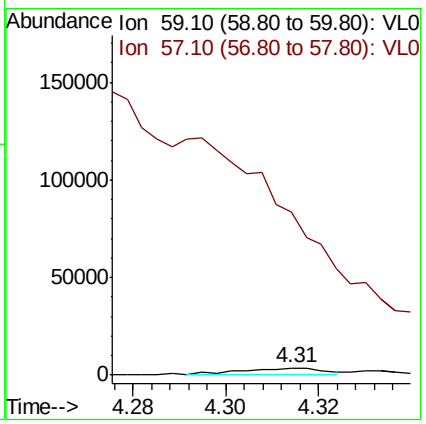


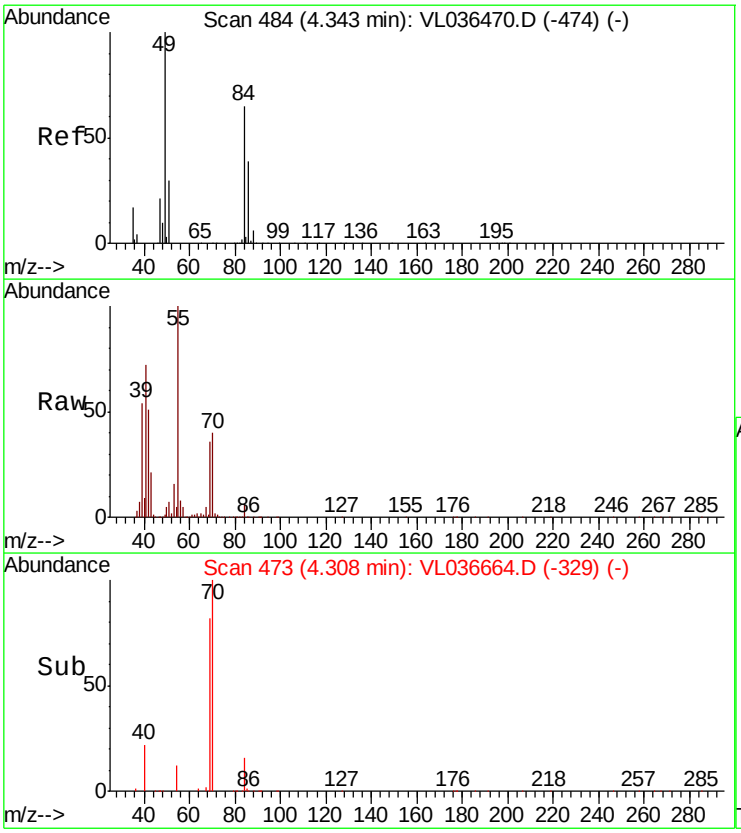
#17
tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 4430

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

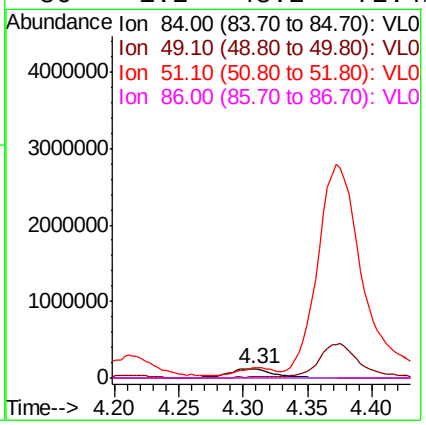


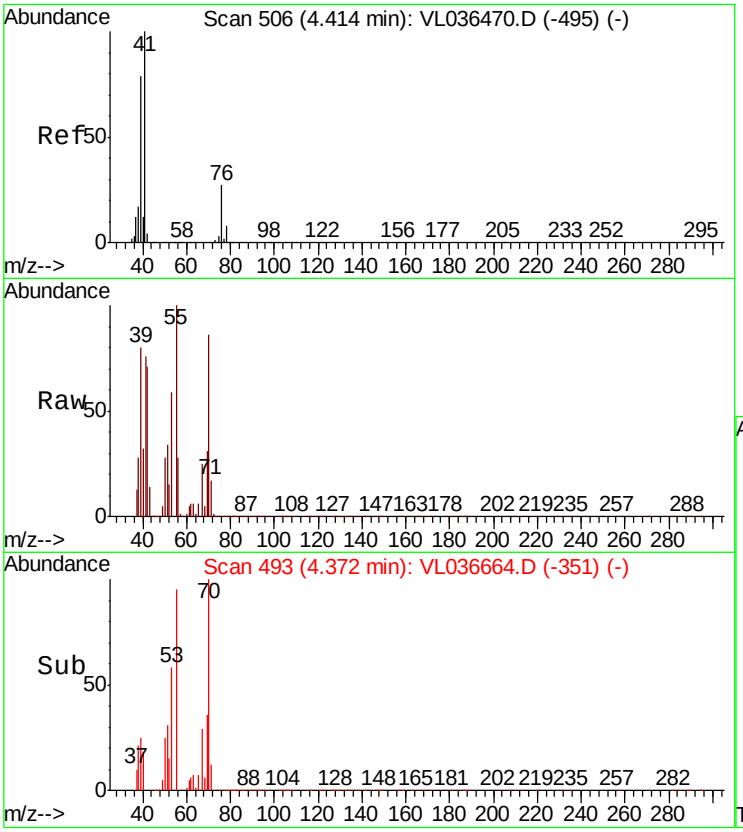


#20
Methylene Chloride
Concen: 4.618 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 84 Resp: 285783

Ion	Ratio	Lower	Upper
84	100		
49	10.5	122.9	184.3#
51	70.2	36.9	55.3#
86	1.2	48.2	72.4#



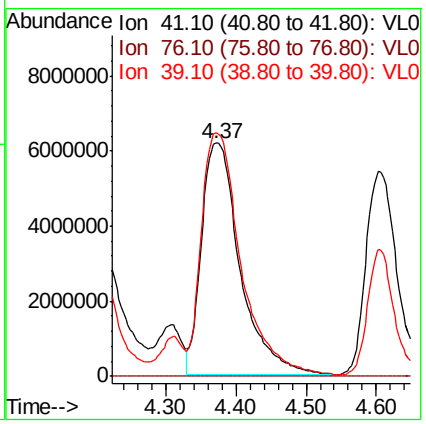


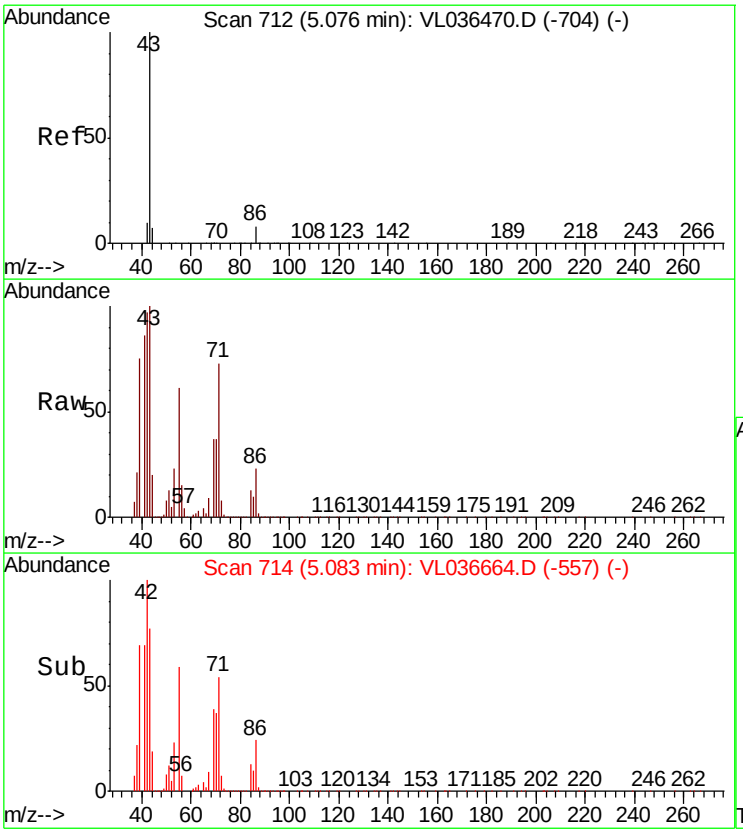
#21
Allyl Chloride
Concen: 222.336 ppbv
RT: 4.37 min Scan# 493
Delta R.T. -0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp:23426110

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	108.0	67.3	100.9#

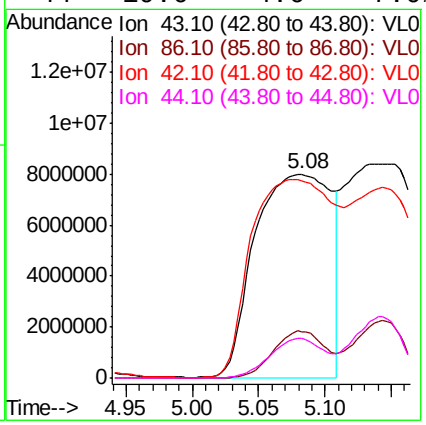


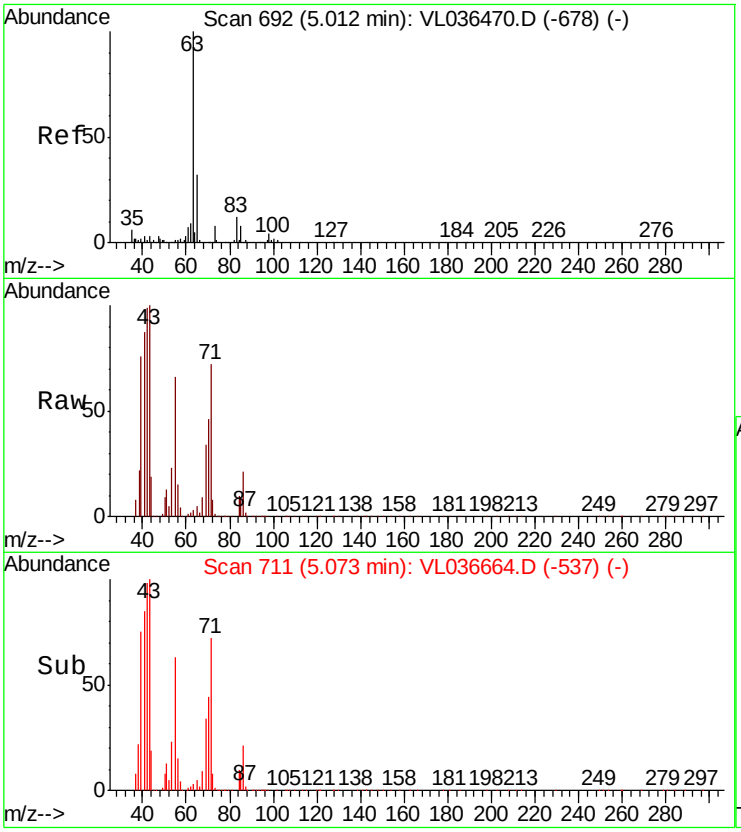


#23
Vinyl Acetate
Concen: 140.391 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 43 Resp:31740637

Ion	Ratio	Lower	Upper
43	100		
86	22.8	5.4	8.0#
42	96.9	8.5	12.7#
44	19.6	4.6	7.0#



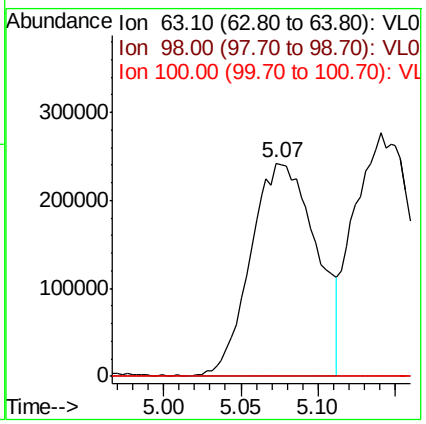


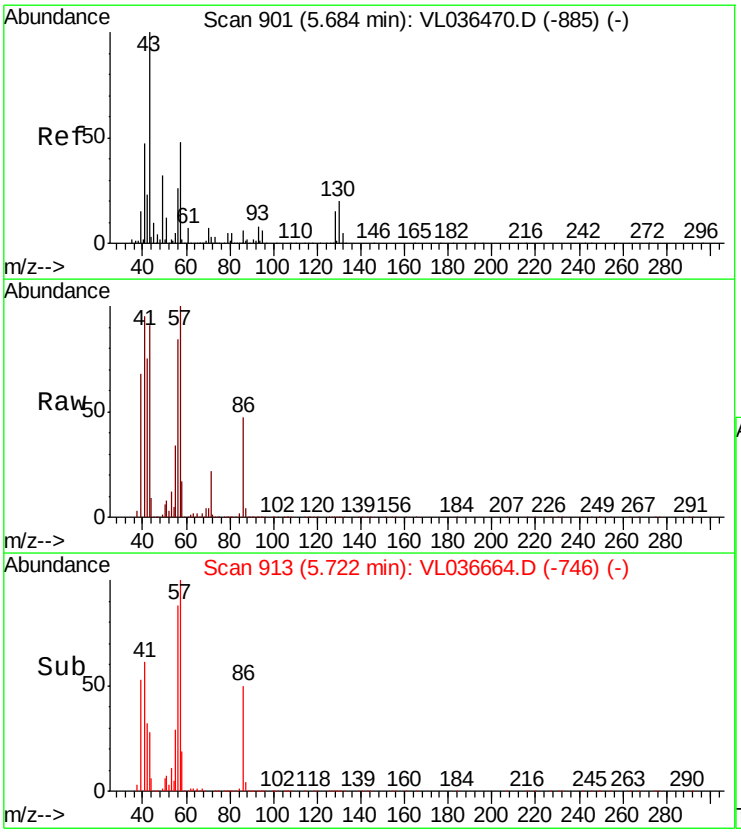
#24
1,1-Dichloroethane
Concen: 4.326 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.06 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 712836

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	0.9	2.8#

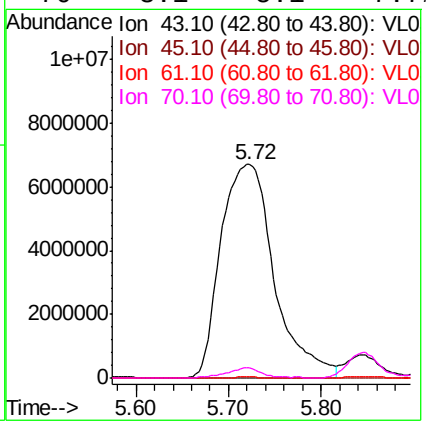


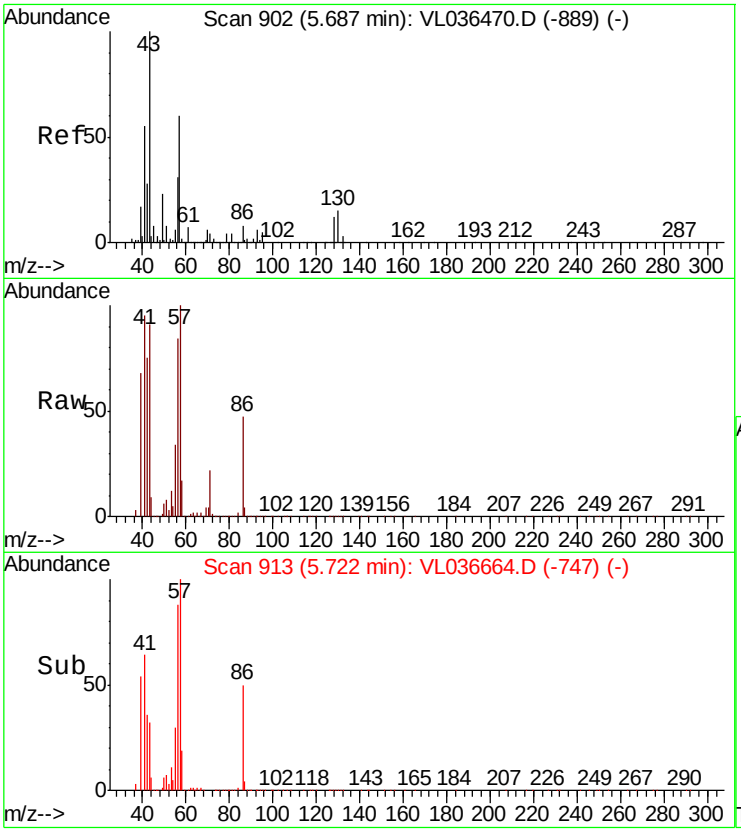


#25
Ethyl Acetate
Concen: 84.847 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 43 Resp:26661811

Ion	Ratio	Lower	Upper
43	100		
45	0.1	7.9	11.9#
61	0.3	7.4	11.2#
70	3.1	5.1	7.7#



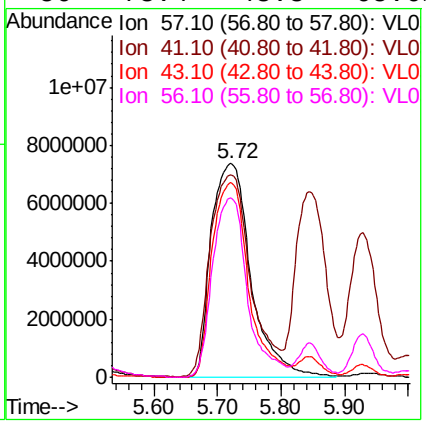


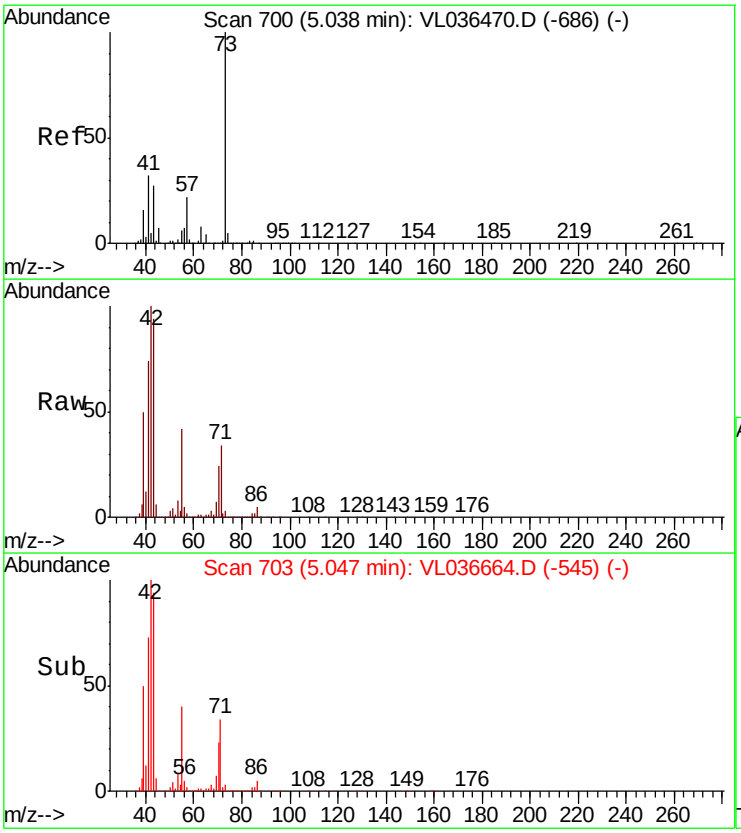
#26
Hexane
Concen: 218.560 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp:31871240

Ion	Ratio	Lower	Upper
57	100		
41	95.9	77.2	115.8
43	84.0	173.8	260.6#
56	73.4	43.8	65.6#

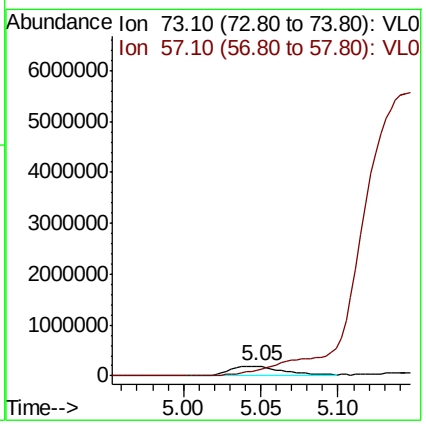


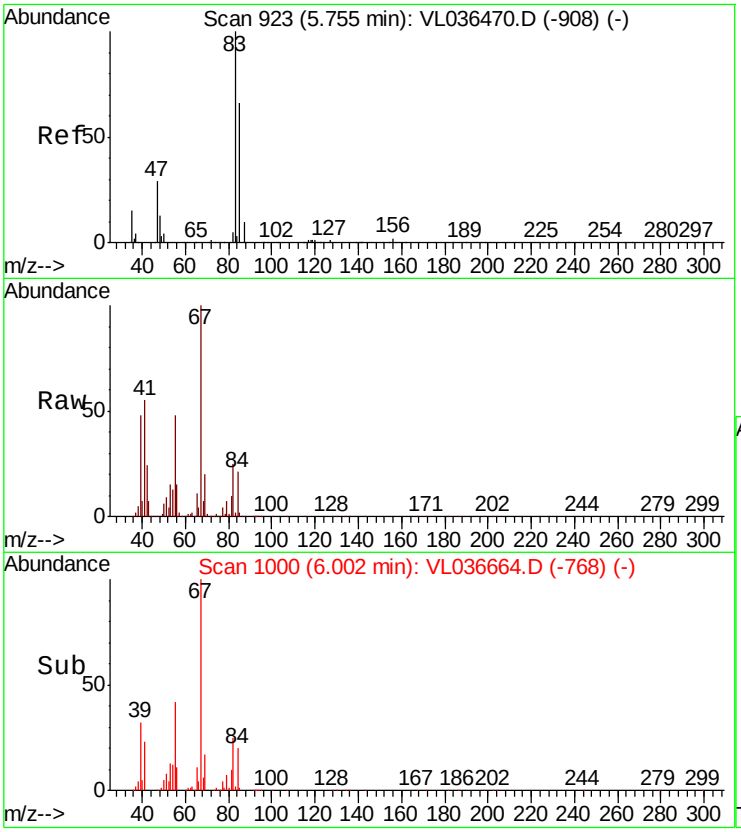


#28
Methyl tert-Butyl Ether
Concen: 2.802 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 73 Resp: 481838

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.5	27.7#



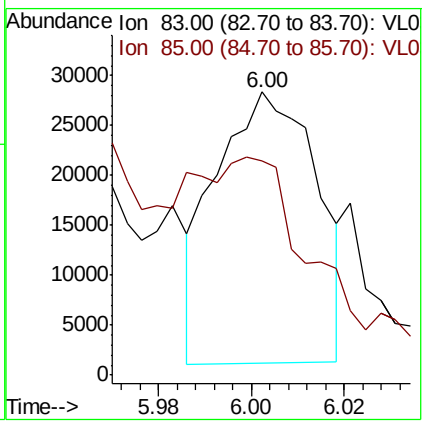


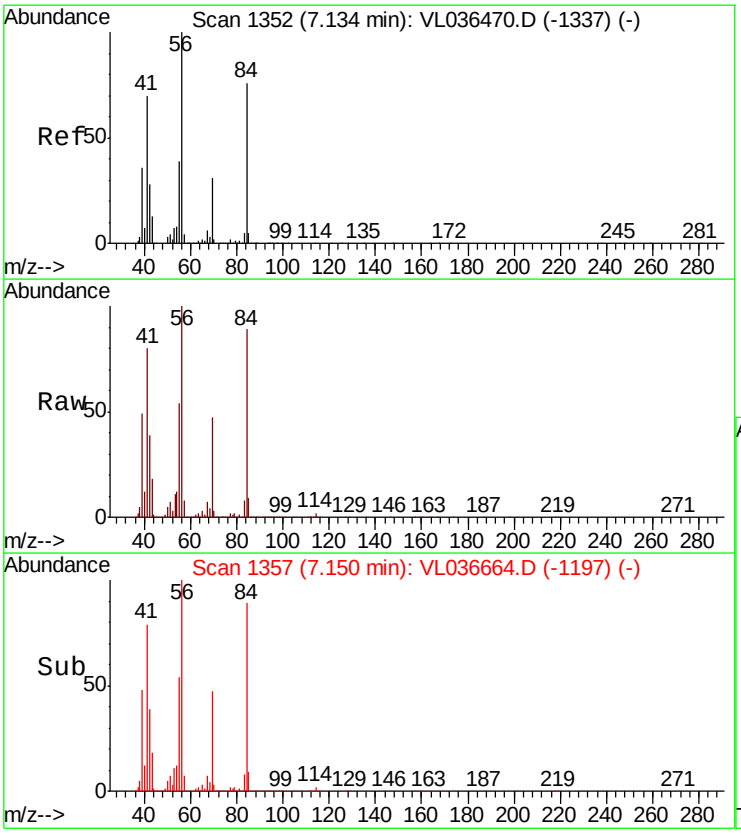
#29
Chloroform
Concen: 0.176 ppbv
RT: 6.00 min Scan# 1000
Delta R.T. 0.25 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 41041

Ion	Ratio	Lower	Upper
83	100		
85	76.1	52.6	78.8

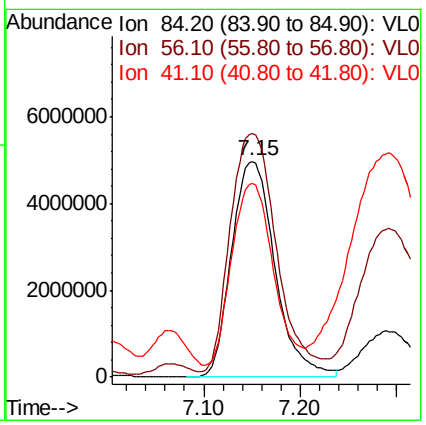


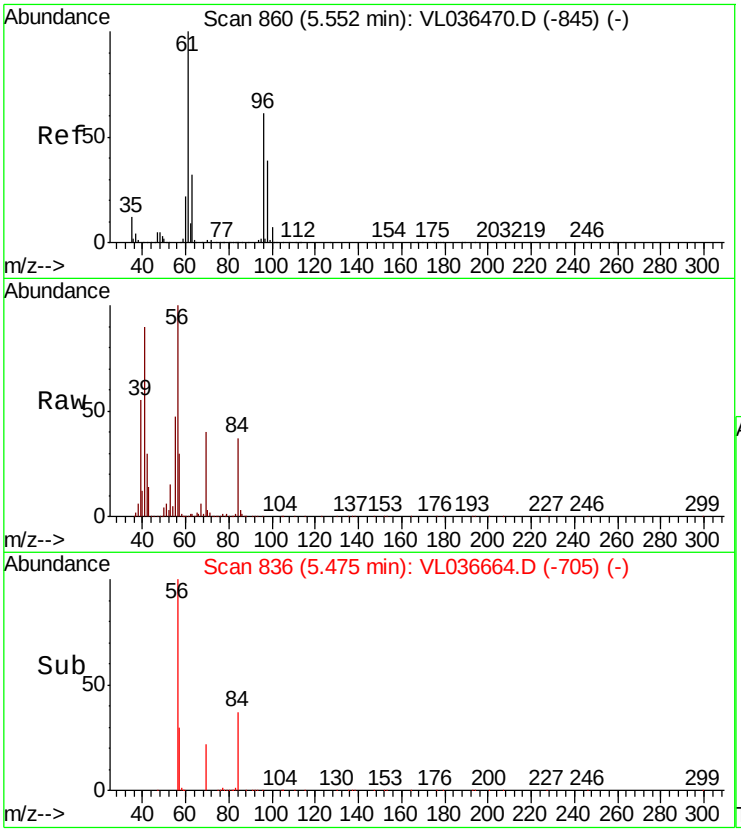


#30
Cyclohexane
Concen: 130.672 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 84 Resp:15453803

Ion	Ratio	Lower	Upper
84	100		
56	116.9	114.6	171.8
41	80.5	75.3	112.9



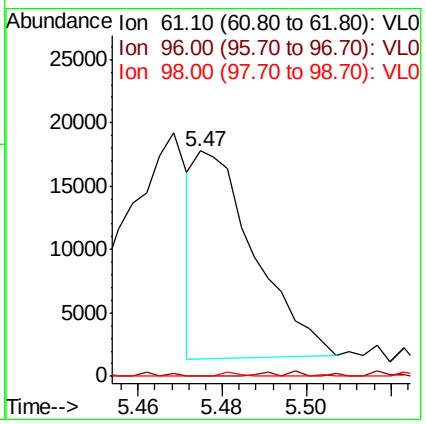


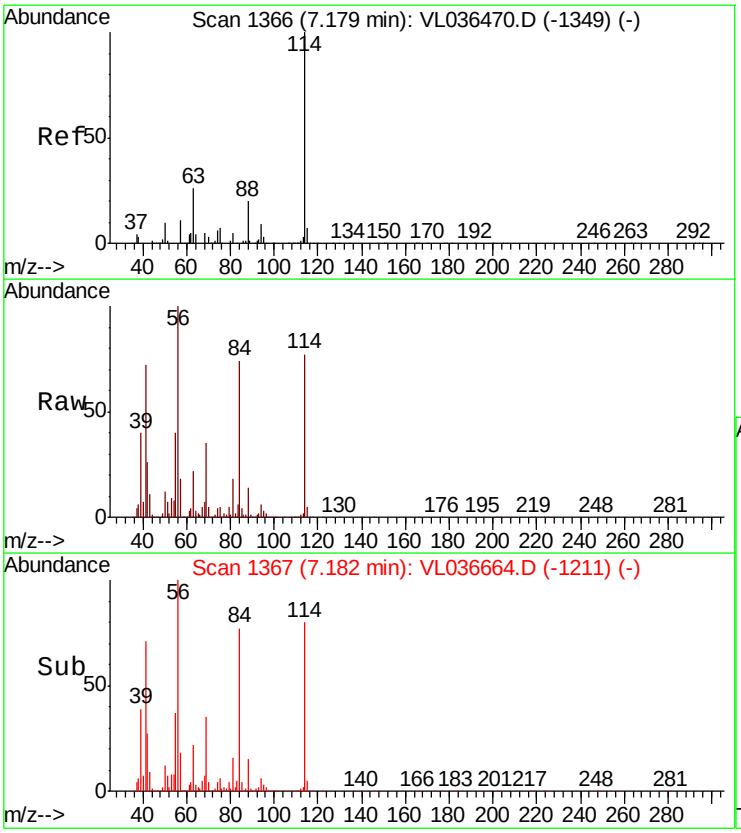
#31
cis-1,2-Dichloroethene
Concen: 0.114 ppbv
RT: 5.47 min Scan# 836
Delta R.T. -0.08 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 16033

Ion	Ratio	Lower	Upper
61	100		
96	0.0	48.7	73.1#
98	0.0	31.4	47.0#

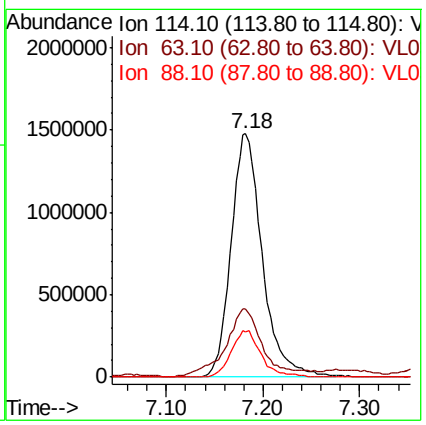


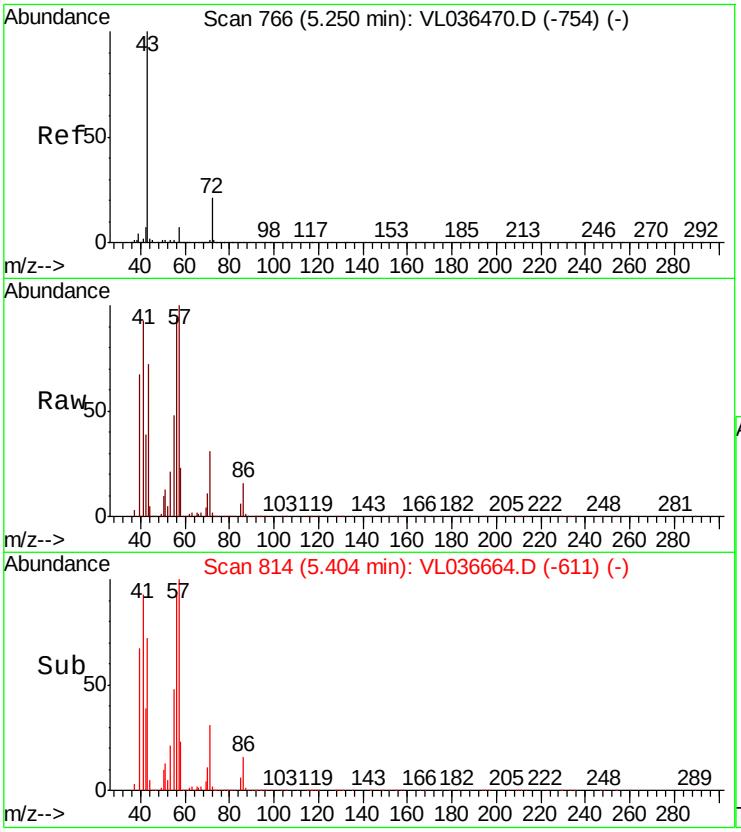


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion:114 Resp: 3311141

Ion	Ratio	Lower	Upper
114	100		
63	33.3	22.4	33.6
88	18.5	15.4	23.0



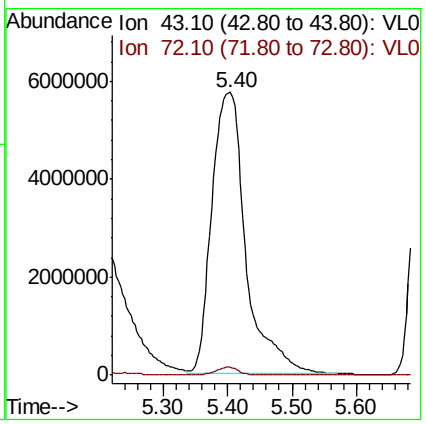


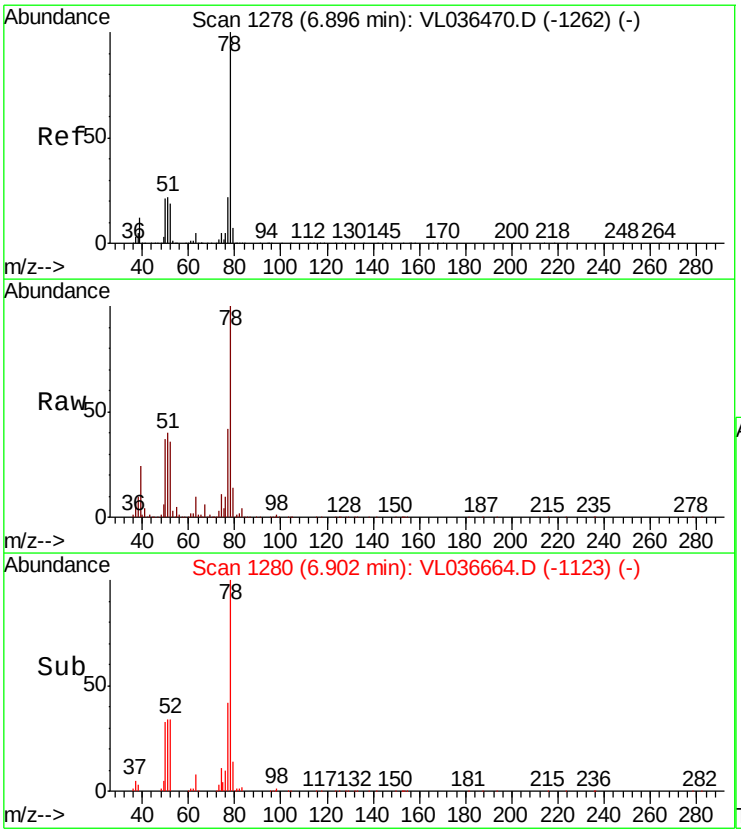
#34
2-Butanone
Concen: 130.631 ppbv
RT: 5.40 min Scan# 814
Delta R.T. 0.15 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp:21113561

Ion	Ratio	Lower	Upper
43	100		
72	2.0	17.0	25.6#

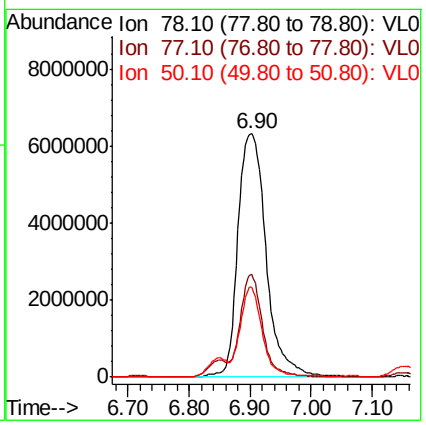


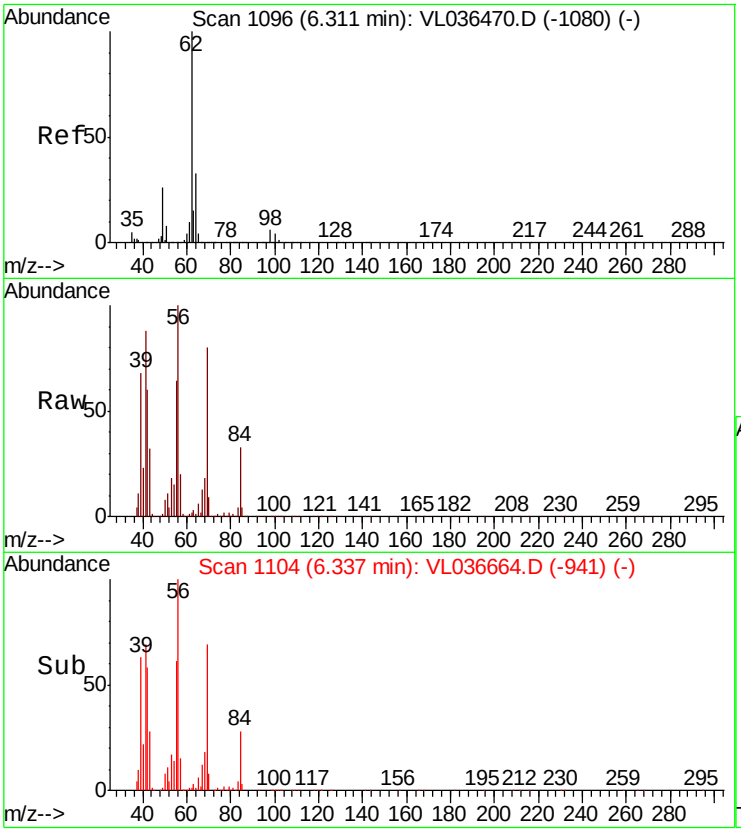


#36
Benzene
Concen: 66.627 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 78 Resp:20346358

Ion	Ratio	Lower	Upper
78	100		
77	42.2	18.0	27.0#
50	36.9	16.5	24.7#



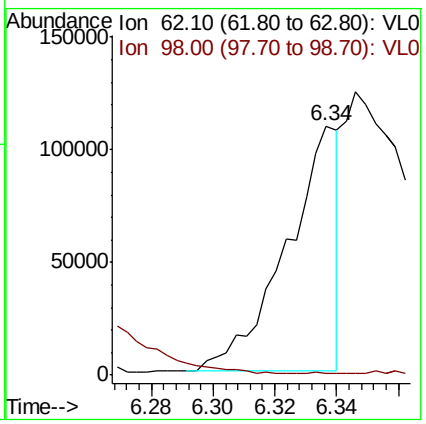


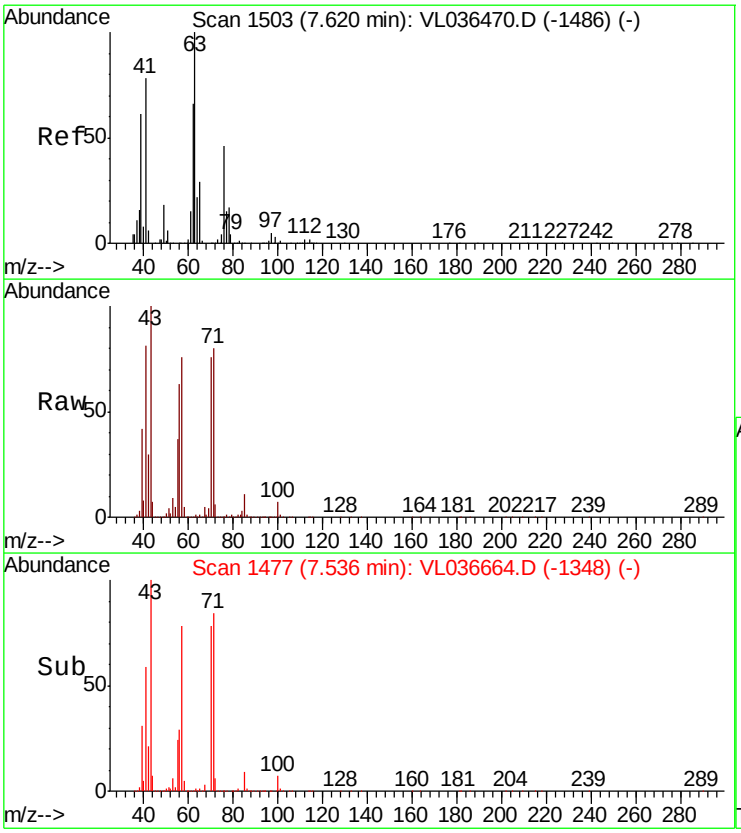
#37
1,2-Dichloroethane
Concen: 0.707 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.03 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 127112

Ion	Ratio	Lower	Upper
62	100		
98	132.8	4.9	7.3#

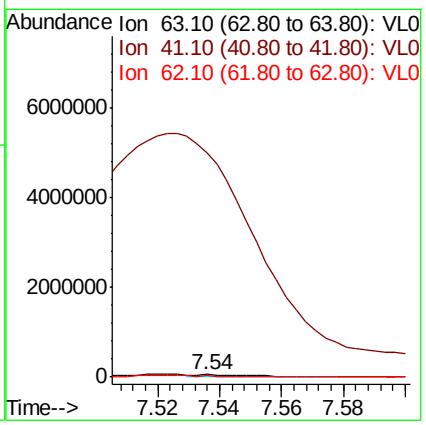


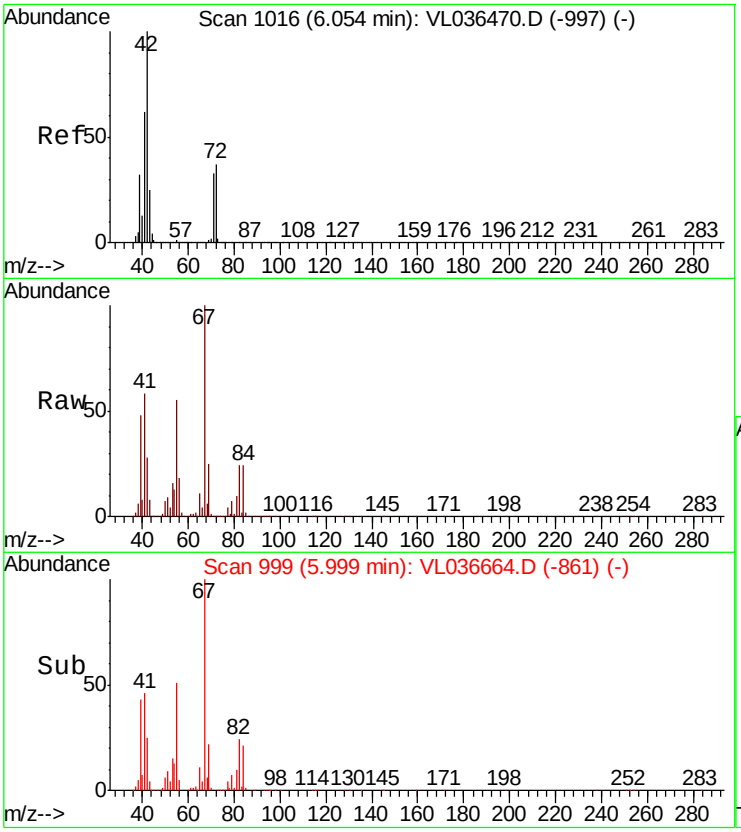


#39
1,2-Dichloropropane
Concen: 0.472 ppbv
RT: 7.54 min Scan# 1477
Delta R.T. -0.08 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 63 Resp: 58478

Ion	Ratio	Lower	Upper
63	100		
41	9189.6	62.4	93.6#
62	46.8	52.8	79.2#



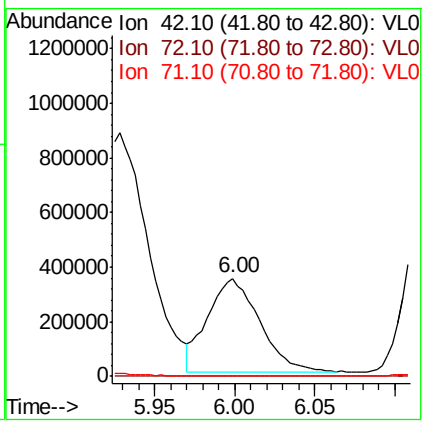


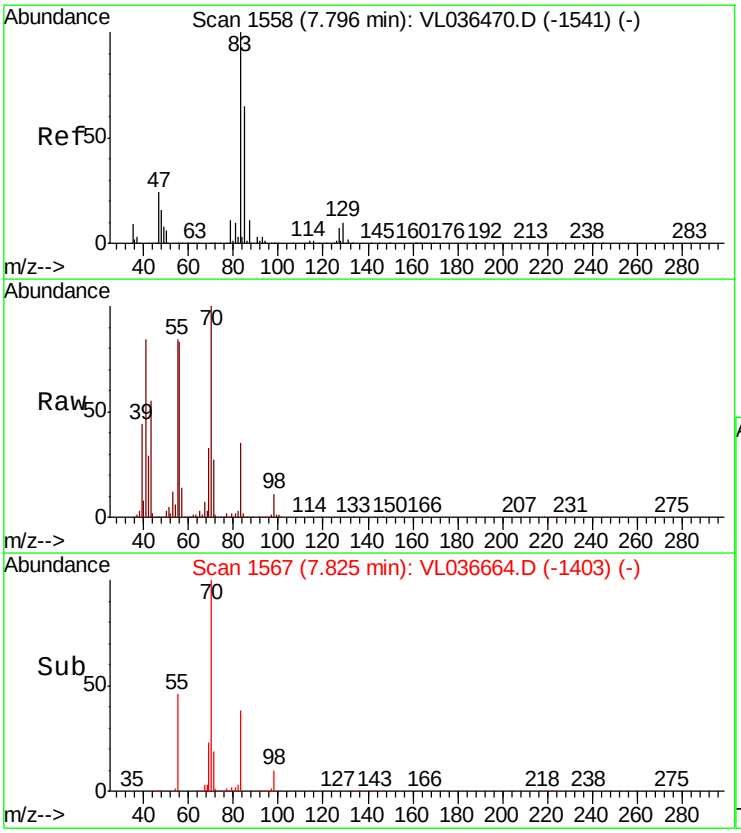
#41
Tetrahydrofuran
Concen: 10.327 ppbv
RT: 6.00 min Scan# 999
Delta R.T. -0.05 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 769593

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

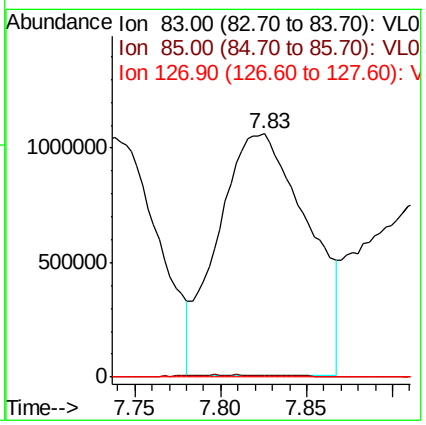


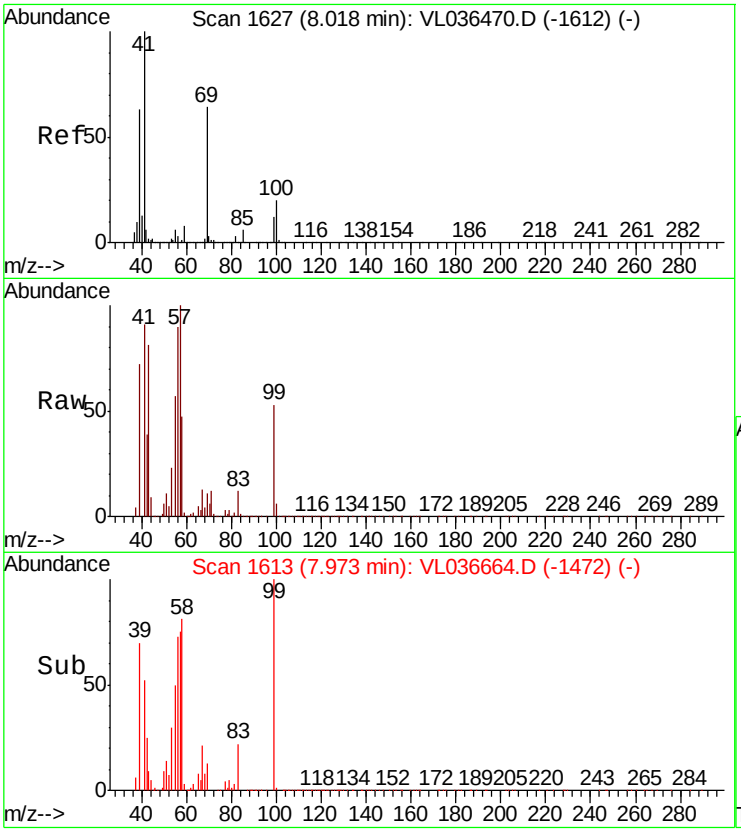


#42
Bromodichloromethane
Concen: 15.764 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.03 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 83 Resp: 3853881

Ion	Ratio	Lower	Upper
83	100		
85	0.6	51.8	77.6#
127	0.1	5.8	8.8#



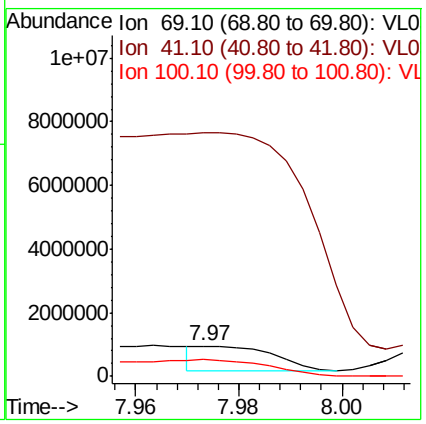


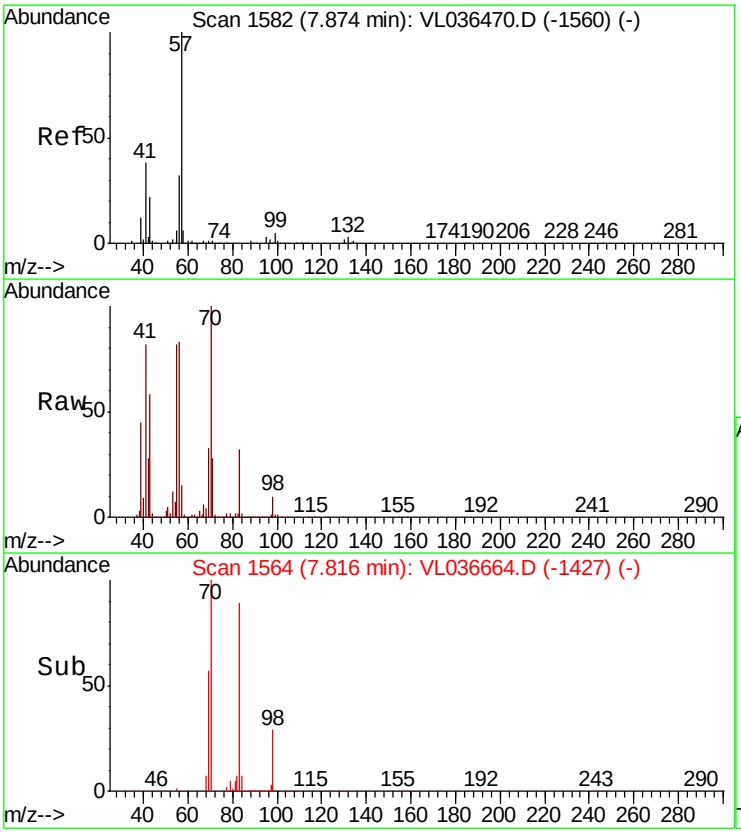
#43
Methyl Methacrylate
Concen: 7.706 ppbv
RT: 7.97 min Scan# 1613
Delta R.T. -0.05 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 790209

Ion	Ratio	Lower	Upper
69	100		
41	7296.7	126.8	190.2#
100	289.1	24.9	37.3#

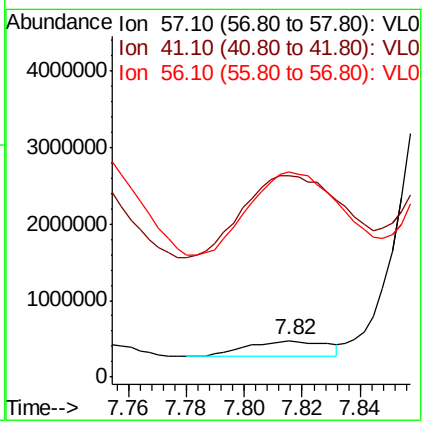


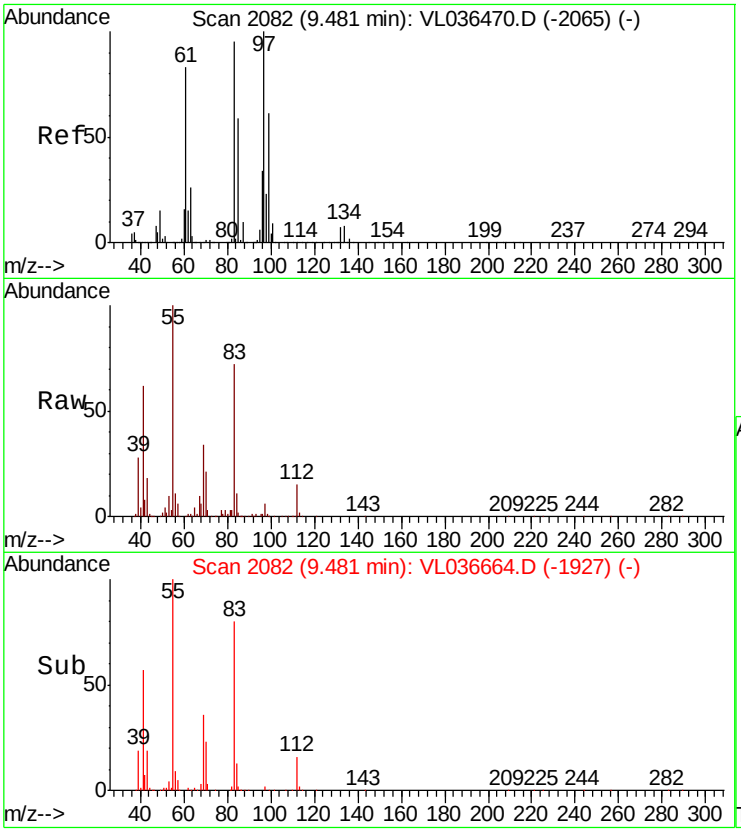


#44
2,2,4-Trimethylpentane
Concen: 0.699 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 57 Resp: 375751

Ion	Ratio	Lower	Upper
57	100		
41	2027.4	28.8	43.2#
56	2298.6	26.1	39.1#



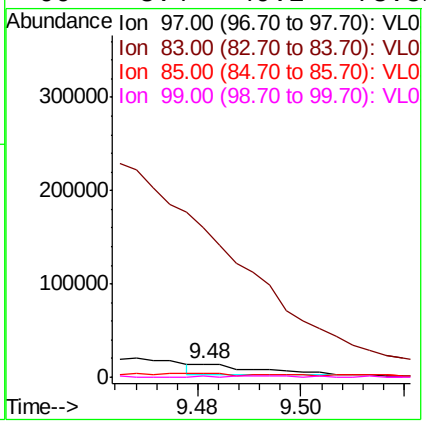


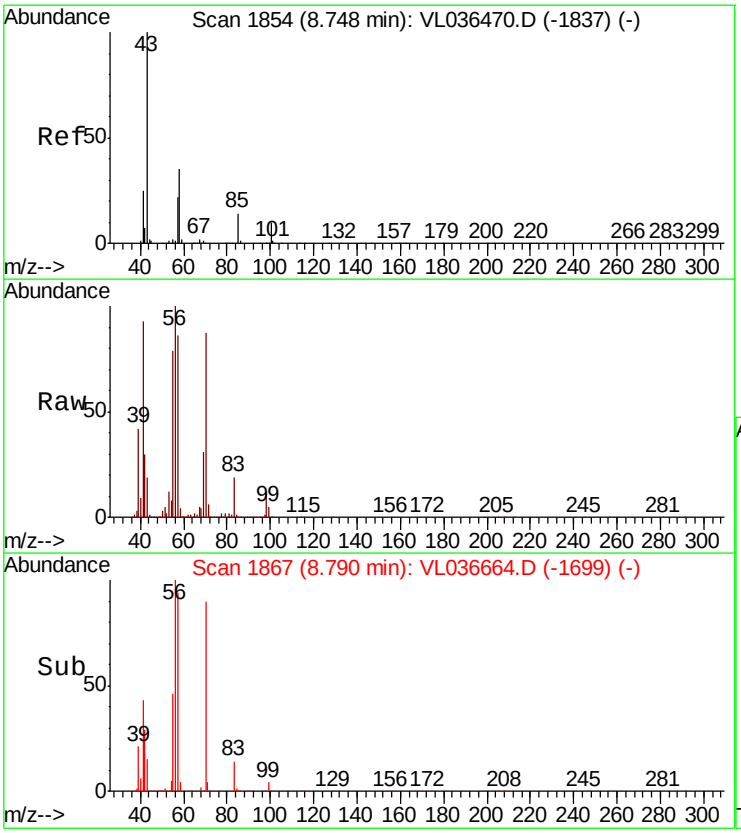
#47
1,1,2-Trichloroethane
Concen: 0.078 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.00 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 9767

Ion	Ratio	Lower	Upper
97	100		
83	974.6	75.8	113.8#
85	13.6	47.1	70.7#
99	8.4	49.2	73.8#

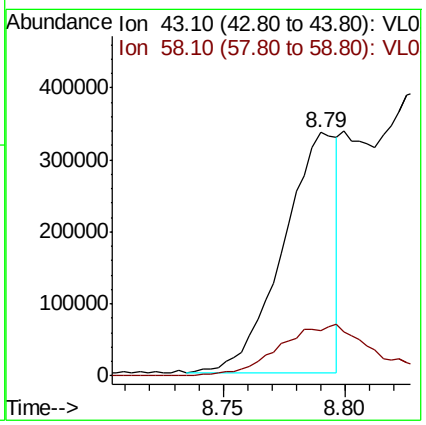


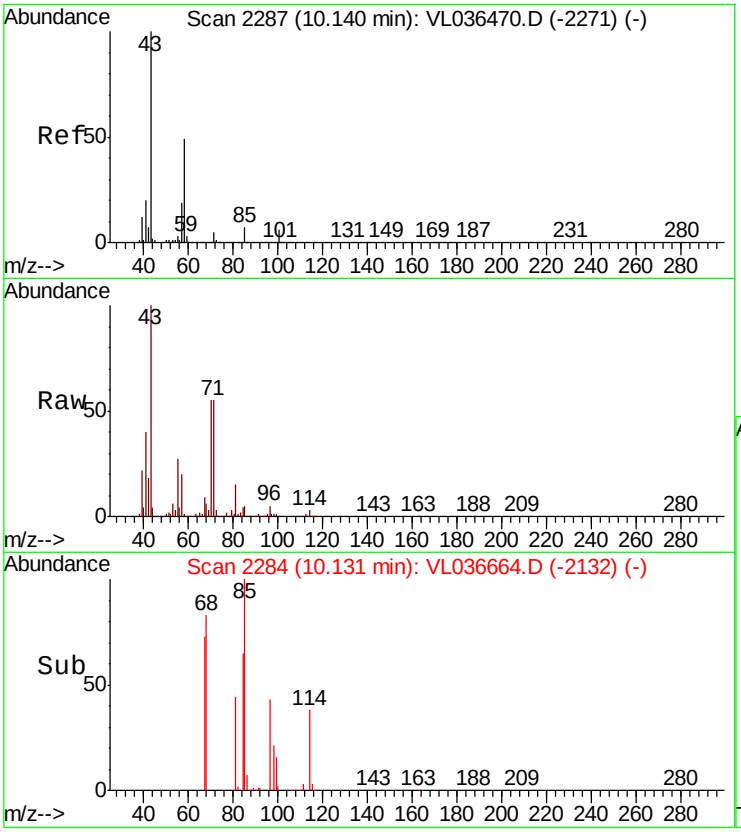


#50
4-Methyl-2-Pentanone
Concen: 2.167 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. 0.04 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 43 Resp: 506724

Ion	Ratio	Lower	Upper
43	100		
58	41.1	28.2	42.2



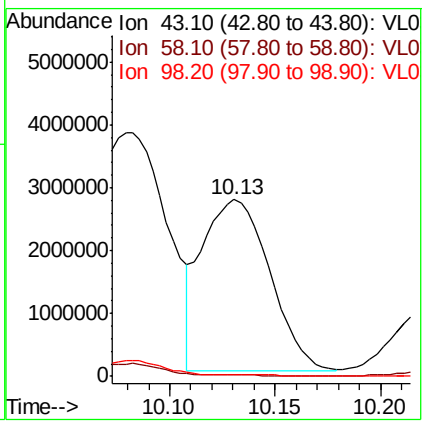


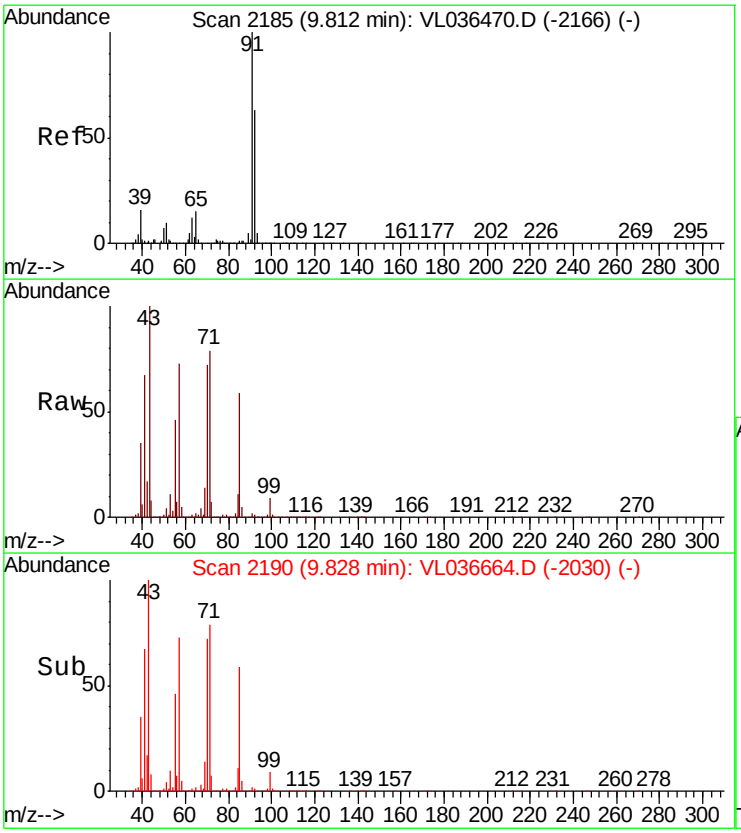
#51
2-Hexanone
Concen: 51.497 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6077676

Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.7	56.5#
98	0.0	0.2	0.2#

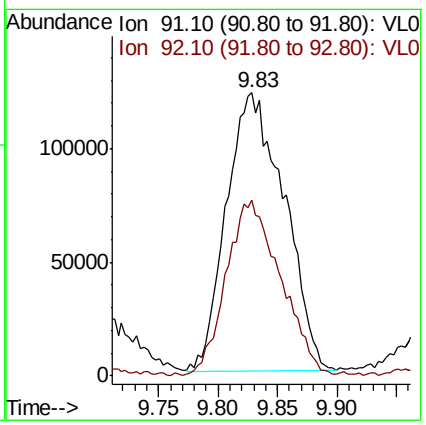


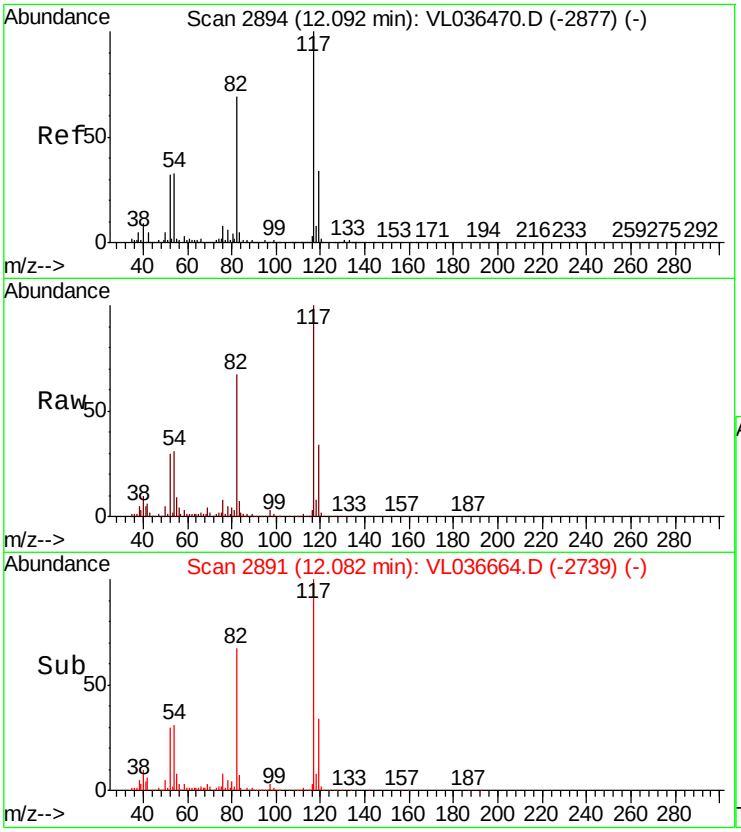


#53
Toluene
Concen: 1.267 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 91 Resp: 411878

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.8	73.2



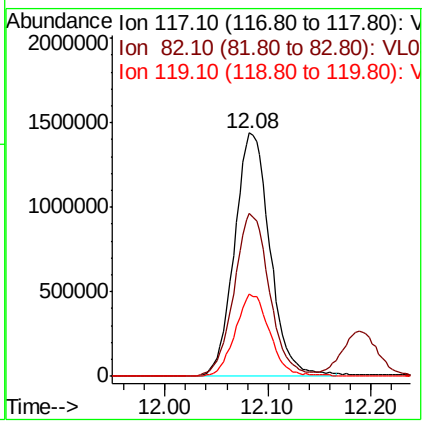


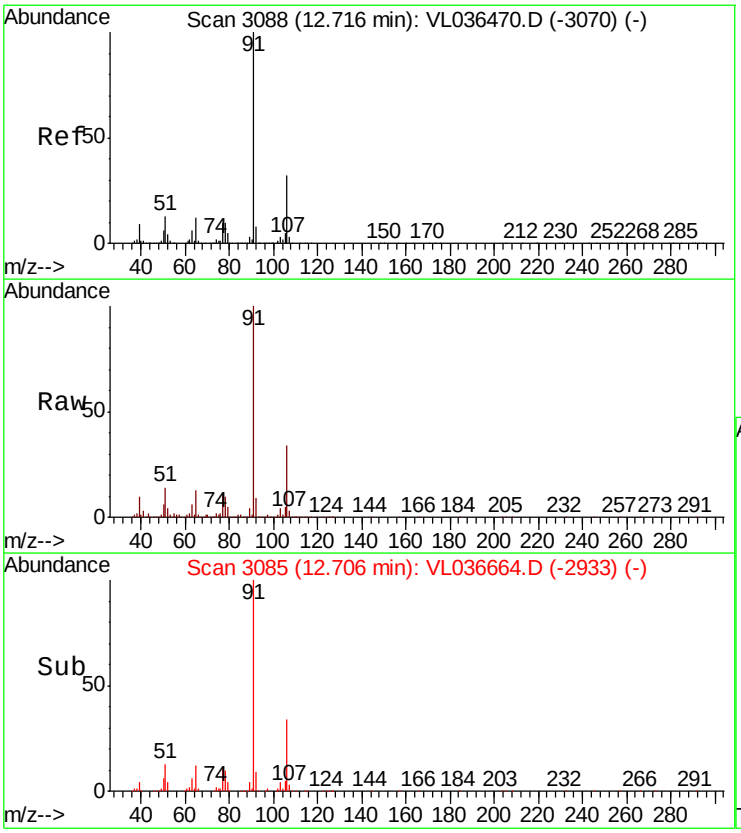
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3447568

Ion	Ratio	Lower	Upper
117	100		
82	66.4	57.4	86.0
119	33.0	47.4	71.0#

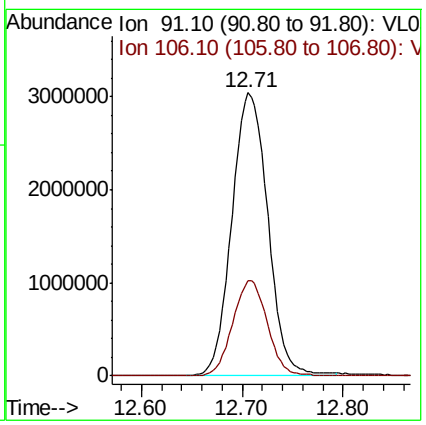


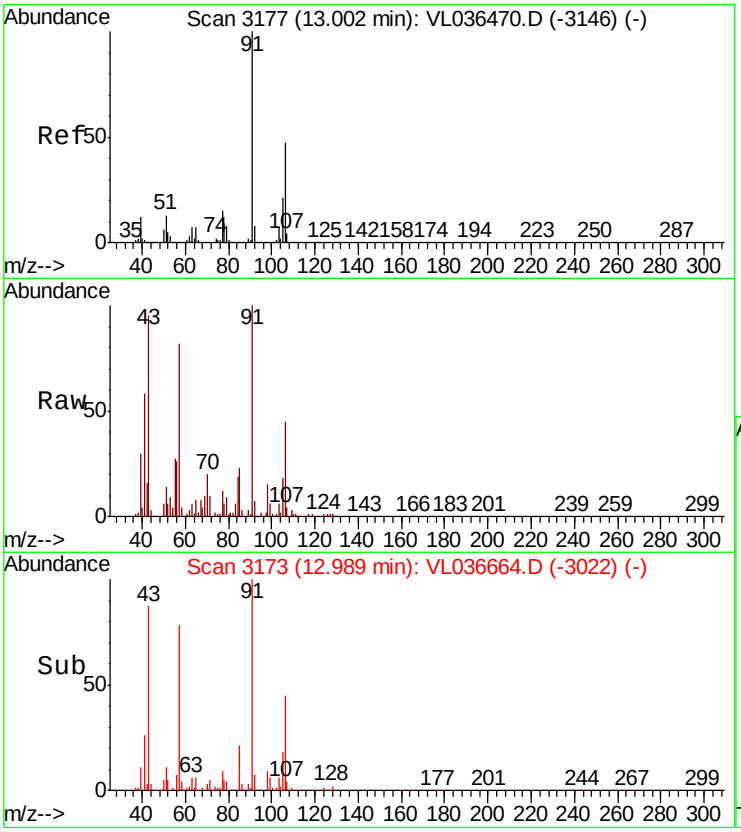


#58
Ethyl Benzene
Concen: 14.912 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 91 Resp: 7479611

Ion	Ratio	Lower	Upper
91	100		
106	33.9	25.3	37.9



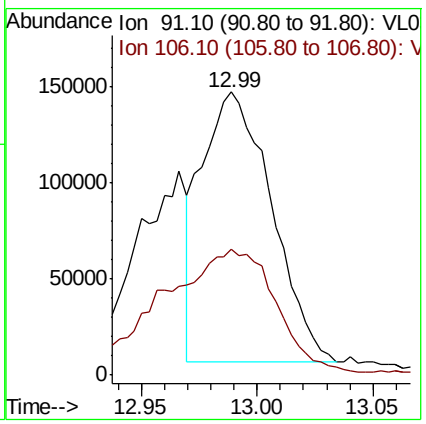


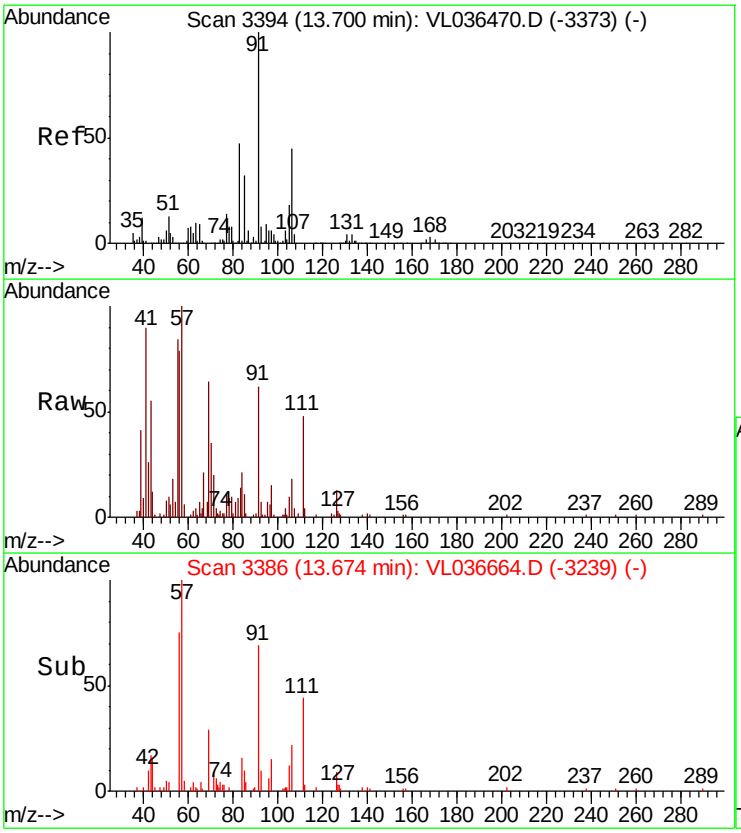
#59
m/p-Xylene
Concen: 0.672 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 293846

Ion	Ratio	Lower	Upper
91	100		
106	76.1	35.3	52.9#

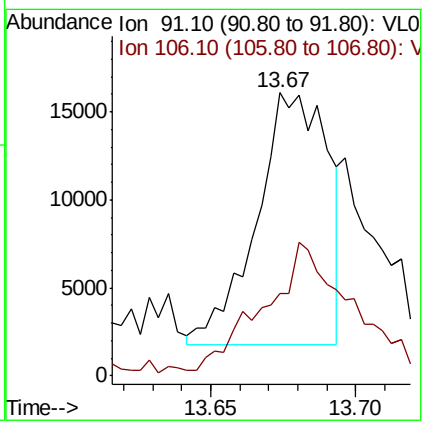


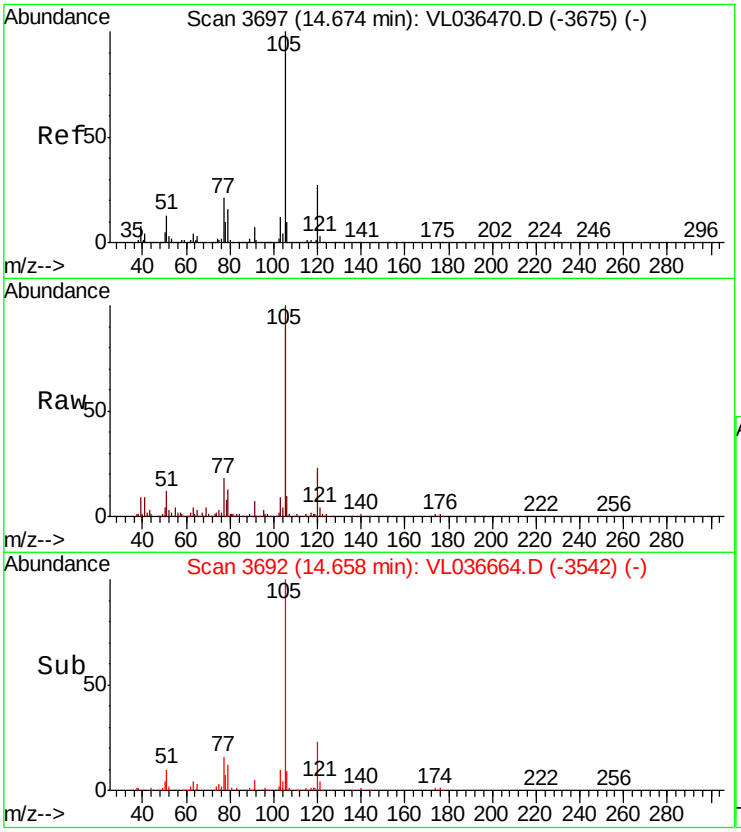


#60
o-Xylene
Concen: 0.058 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion: 91 Resp: 24505

Ion	Ratio	Lower	Upper
91	100		
106	65.5	22.3	66.9



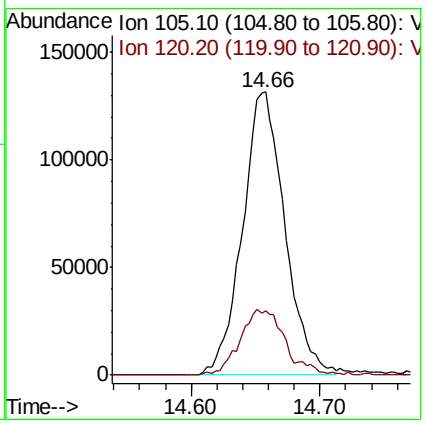


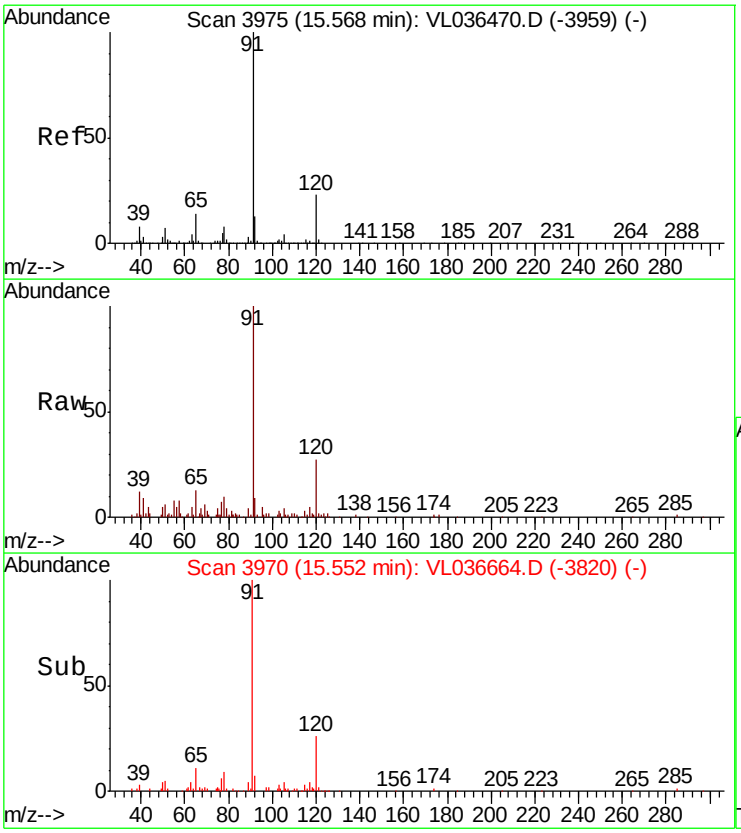
#62
Isopropylbenzene
Concen: 0.528 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 300879

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.6	31.0

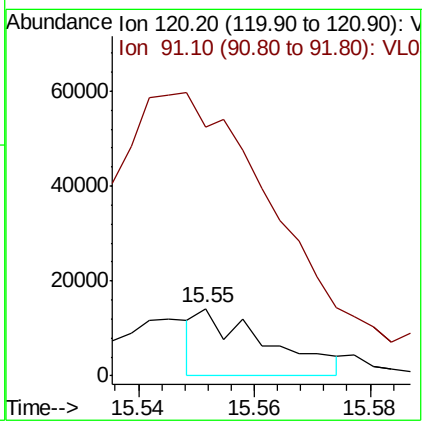


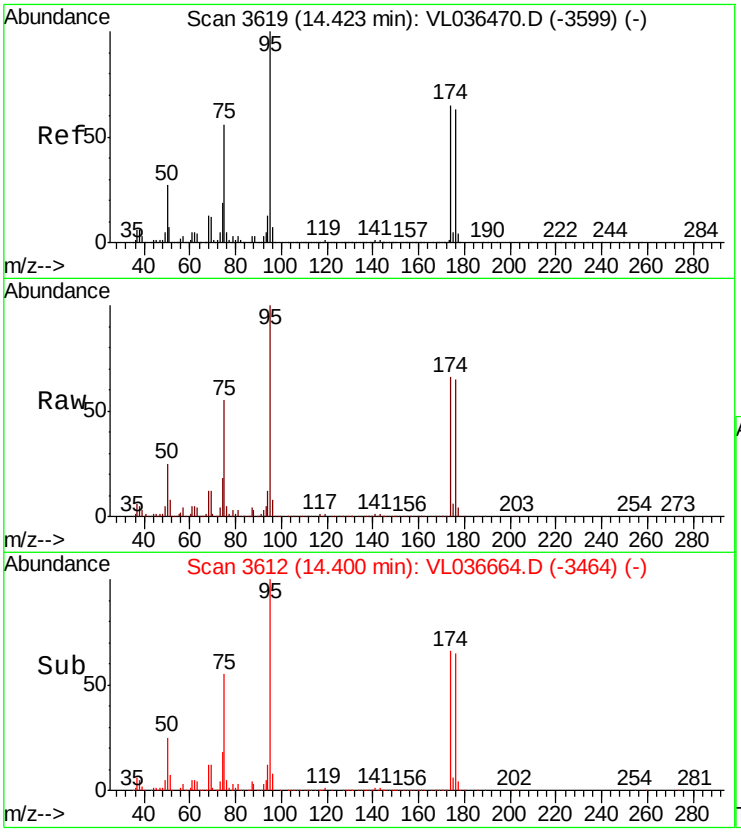


#64
n-propylbenzene
Concen: 0.083 ppbv
RT: 15.55 min Scan# 3970
Delta R.T. -0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Tgt Ion:120 Resp: 11613

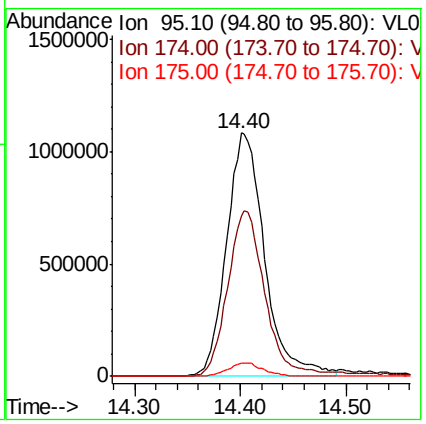
Ion	Ratio	Lower	Upper
120	100		
91	1273.0	377.4	566.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.02 min
Lab File: VL036664.D
Acq: 3 Apr 2021 3:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2696761

Ion	Ratio	Lower	Upper
95	100		
174	67.6	51.0	76.6
175	5.2	3.9	5.9