Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040621\
Data File : VL036706.D
Acq On : 6 Apr 2021 20:27
Operator : SY/AP
Sample : M1945-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1

Quant Time: Apr 07 04:27:50 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	5.67	49	1259085	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2975022	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2891106	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2365175	10.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	34916	0.170	ppbv		89
3) Chlorodifluoromethane	2.96	51	128268	0.545	ppbv	#	67
4) Chloromethane	3.14	50	4921	0.059	ppbv	#	65
9) Propene	3.02	41	63693	0.849	ppbv		84
10) Heptane	8.12	43	10078	0.053	ppbv	#	1
13) Ethanol	3.61	45	40688	4.556	ppbv		87
15) Acetone	3.85	43	2944725	23.762	ppbv		100
16) 1,3-Butadiene	3.31	39	100716	1.167	ppbv	#	26
17) tert-Butyl alcohol	4.31	59	10197	0.095	ppbv	#	29
19) Isopropyl Alcohol	3.99	45	21279	0.312	ppbv	#	89
20) Methylene Chloride	4.34	84	41203	0.710	ppbv	#	79
23) Vinyl Acetate	5.07	43	16821	0.079	ppbv	#	47
25) Ethyl Acetate	5.69	43	196738	0.668	ppbv	#	79
26) Hexane	5.69	57	268089	1.961	ppbv	#	44
27) Carbon Disulfide	4.55	76	9702	0.072	ppbv	#	1
29) Chloroform	5.75	83	43049	0.197	ppbv		97
34) 2-Butanone	5.25	43	161315	1.111	ppbv		95
39) 1,2-Dichloropropane	7.18	63	799599	7.184	ppbv	#	24
41) Tetrahydrofuran	6.04	42	12803	0.191	ppbv	#	67
51) 2-Hexanone	10.15	43	35615	0.336	ppbv	#	30
52) Tetrachloroethene	11.22	164	3342	0.033	ppbv	#	67
53) Toluene	9.81	91	207849	0.711	ppbv		99
58) Ethyl Benzene	12.72	91	181683	0.432	ppbv		98
59) m/p-Xylene	12.97	91	461559	1.258	ppbv		90
60) o-Xylene	13.70	91	211404	0.596	ppbv		100
62) Isopropylbenzene	14.67	105	23565	0.049	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.68	83	14904	0.055	ppbv	#	85
64) n-propylbenzene	15.57	120	16742	0.143	ppbv	#	1
67) sec-Butylbenzene	17.30	105	117544	0.201	ppbv		98
69) p-Isopropyltoluene	17.66	119	51168	0.112	ppbv	#	50
70) n-Butylbenzene	18.56	91	120808	0.255	ppbv	#	33
71) 2-Chlorotoluene	15.84	91	17994	0.050	ppbv		71
72) 4-Ethyltoluene	15.85	105	218922	0.563	ppbv	#	96
73) 1,3,5-Trimethylbenzene	16.01	105	203297	0.560	ppbv		95
74) 1,2,4-Trimethylbenzene	16.77	105	888503	2.289	ppbv	#	68
80) Naphthalene,2-methyl-	24.98	142	4053	0.091	ppbv	#	88

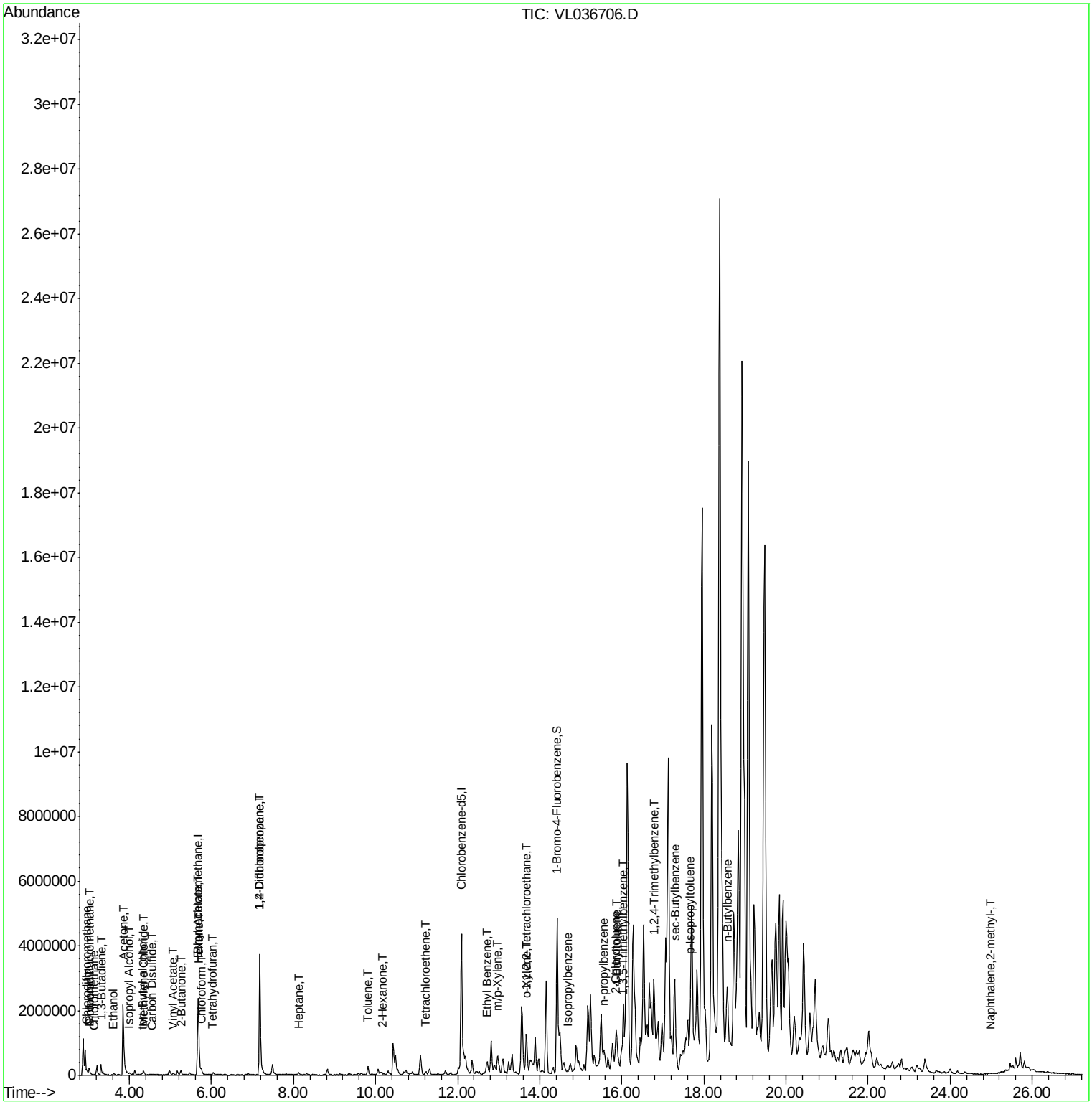
(#) = qualifier out of range (m) = manual integration (+) = signals summed

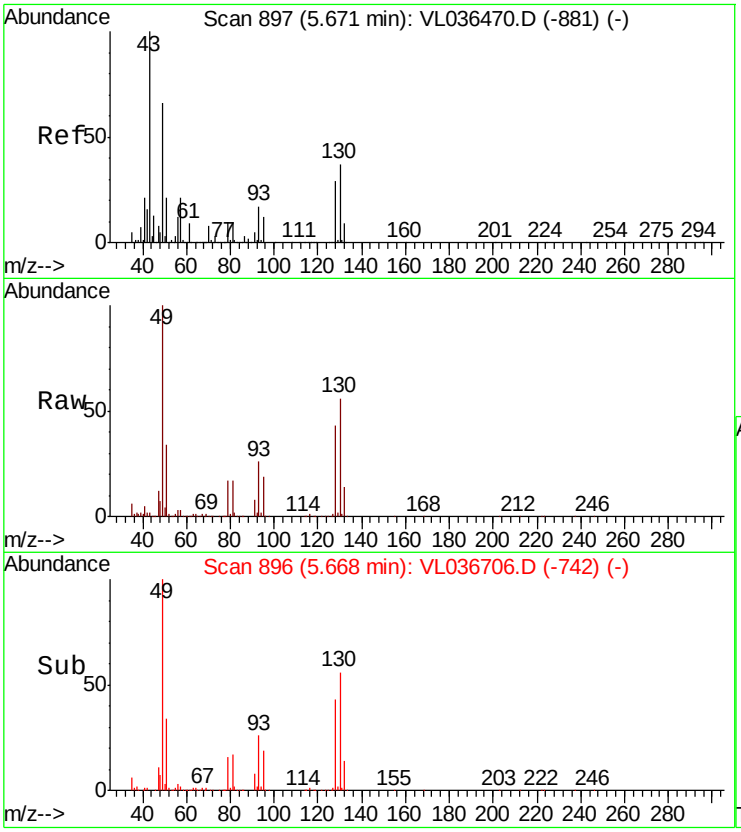
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040621\
Data File : VL036706.D
Acq On : 6 Apr 2021 20:27
Operator : SY/AP
Sample : M1945-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1

Quant Time: Apr 07 04:27:50 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



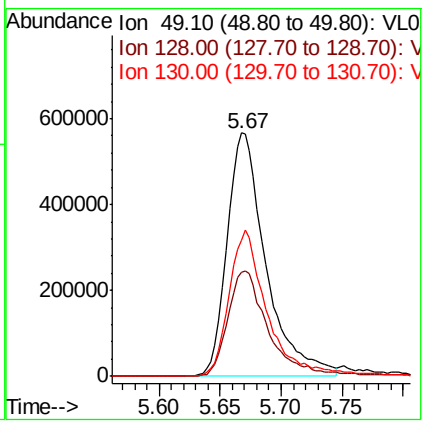


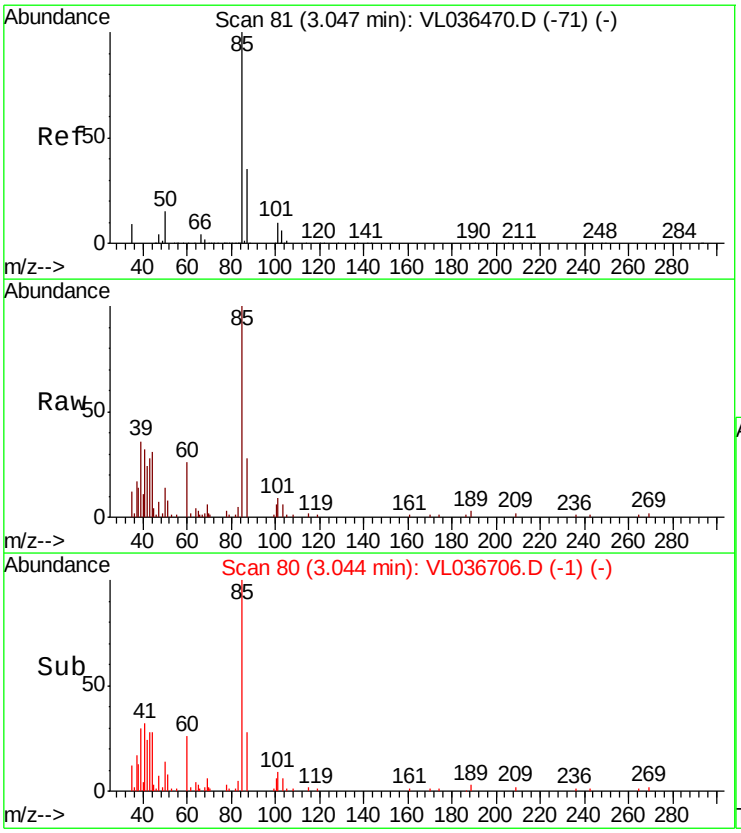
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 1259085

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.5	70.6
130	59.6	29.1	87.4

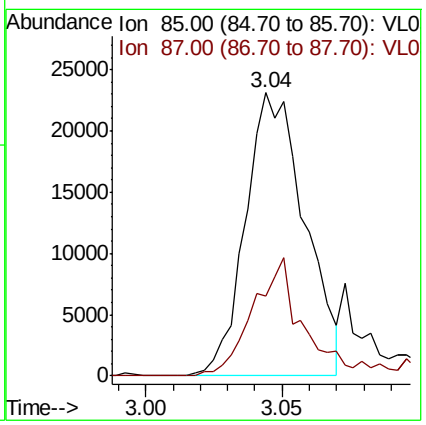


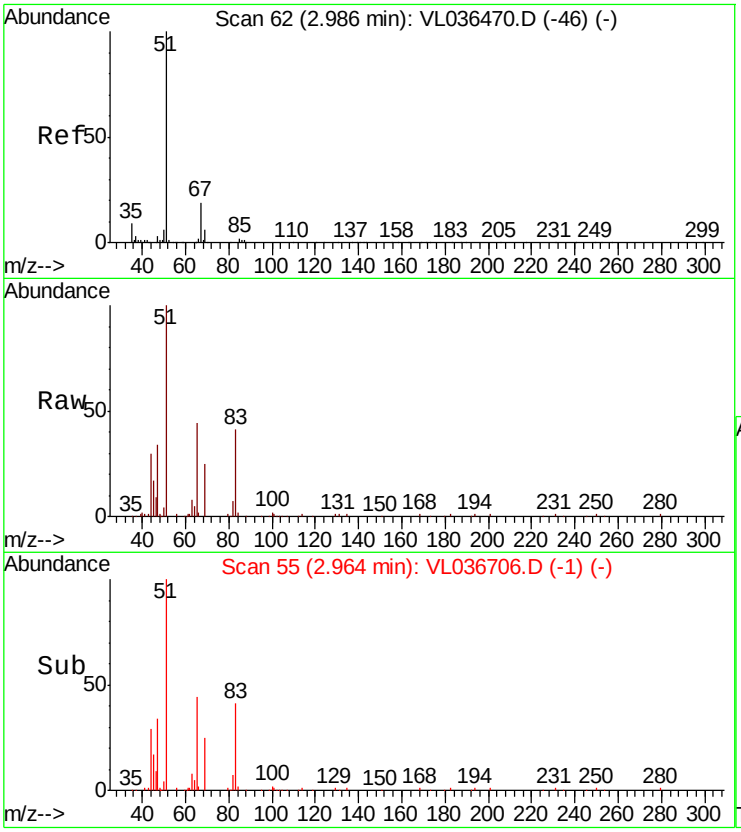


#2
Dichlorodifluoromethane
Concen: 0.170 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 85 Resp: 34916

Ion	Ratio	Lower	Upper
85	100		
87	28.5	27.8	41.8

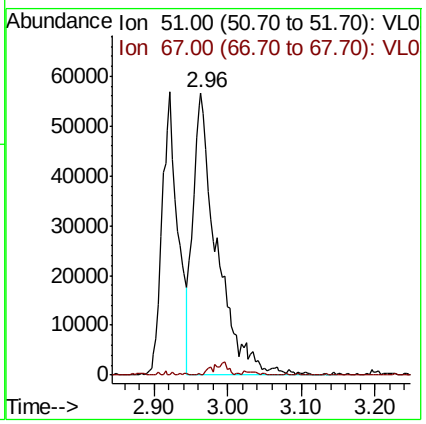




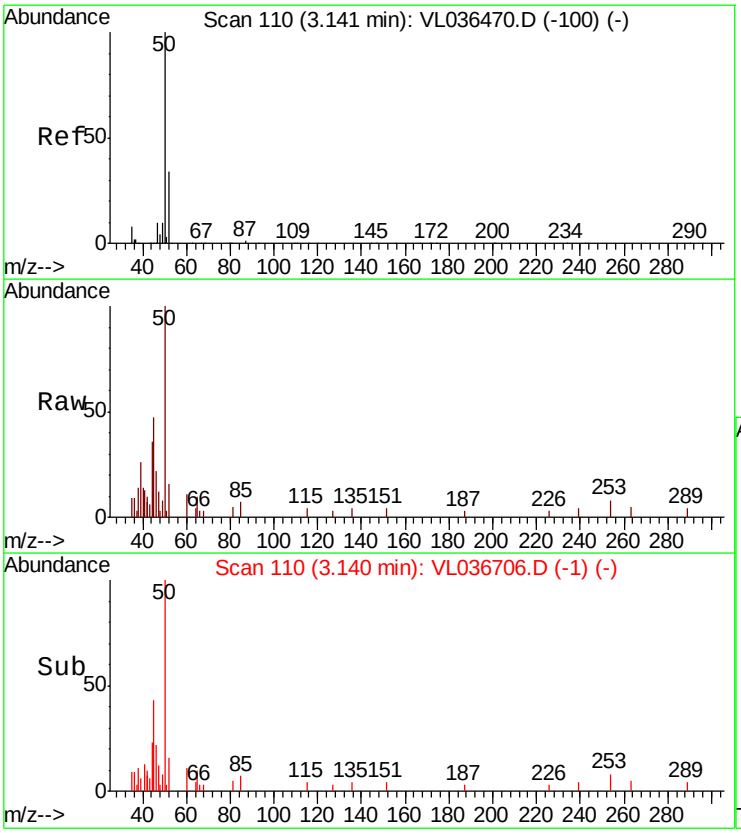
#3
Chlorodifluoromethane
Concen: 0.545 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 51 Resp: 128268

Ion	Ratio	Lower	Upper
51	100		
67	3.6	14.7	22.1#



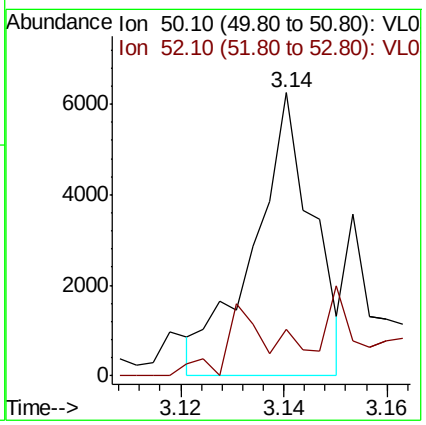
Instrument :
MSVOA_L
ClientSampleId :
SV1

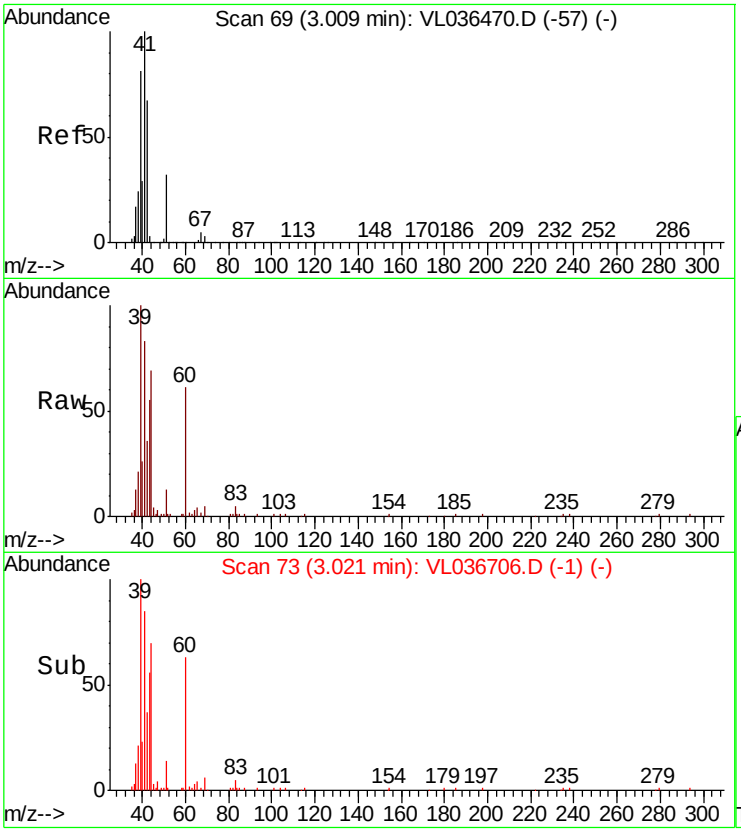


#4
Chloromethane
Concen: 0.059 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 50 Resp: 4921

Ion	Ratio	Lower	Upper
50	100		
52	13.9	27.0	40.6#



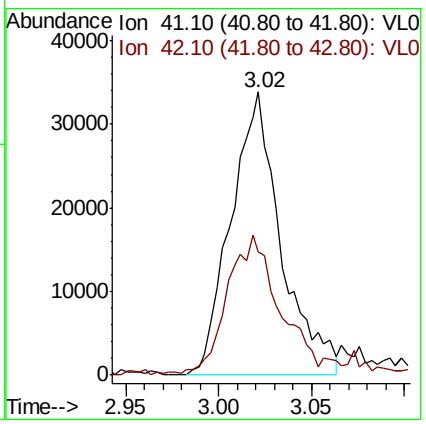


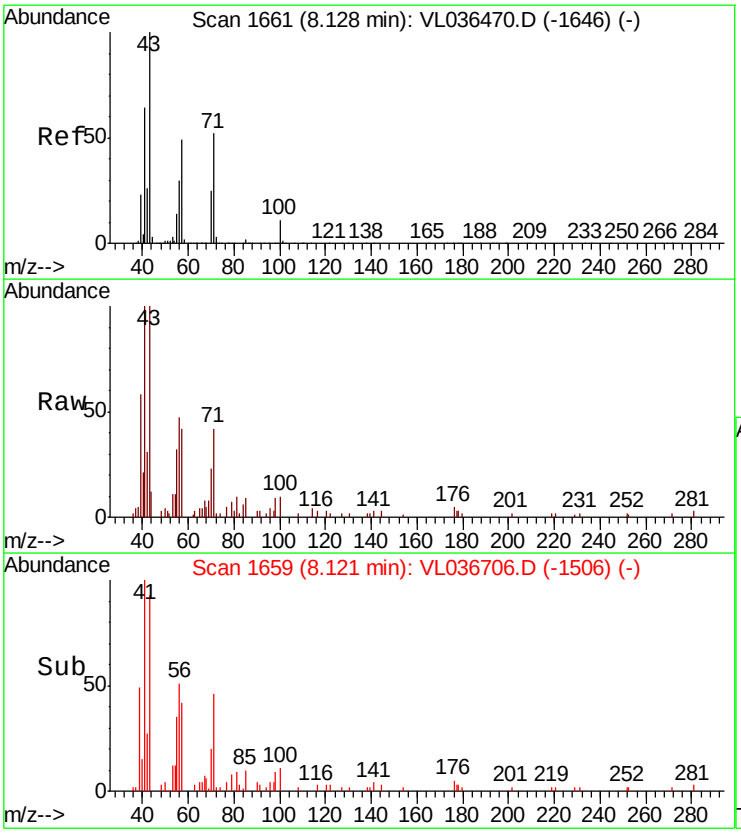
#9
Propene
Concen: 0.849 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 63693

Ion	Ratio	Lower	Upper
41	100		
42	57.6	57.0	85.4

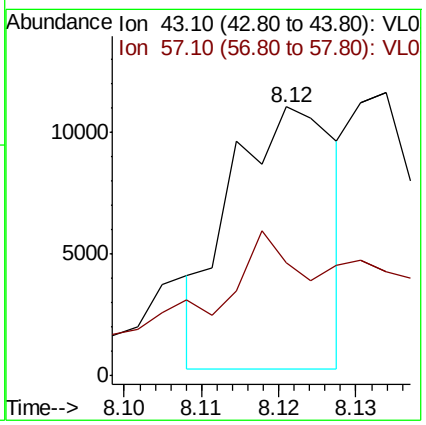


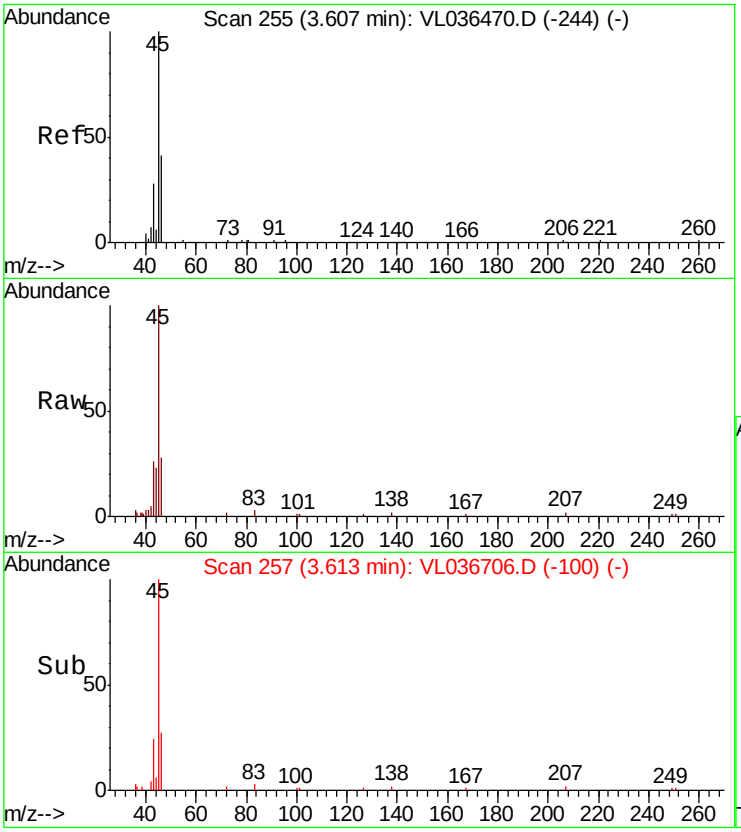


#10
Heptane
Concen: 0.053 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 43 Resp: 10078

Ion	Ratio	Lower	Upper
43	100		
57	132.1	39.0	58.6#



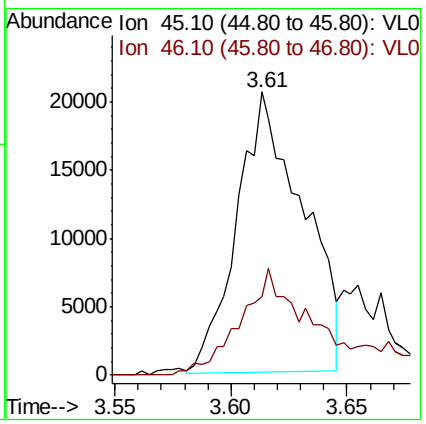


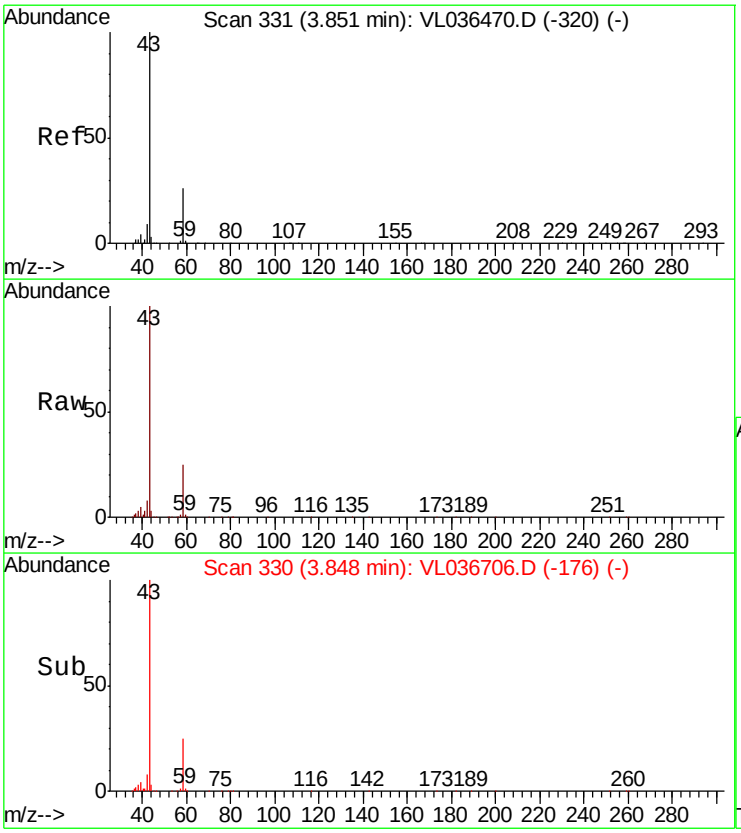
#13
Ethanol
Concen: 4.556 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 40688

Ion	Ratio	Lower	Upper
45	100		
46	49.6	16.6	66.2

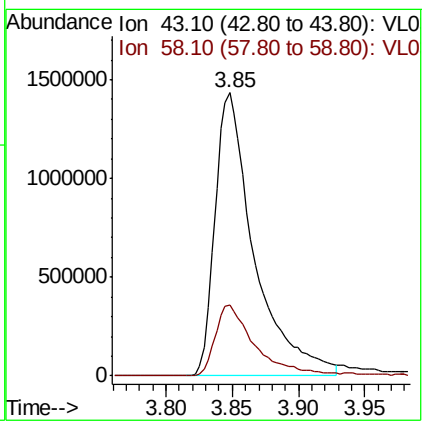


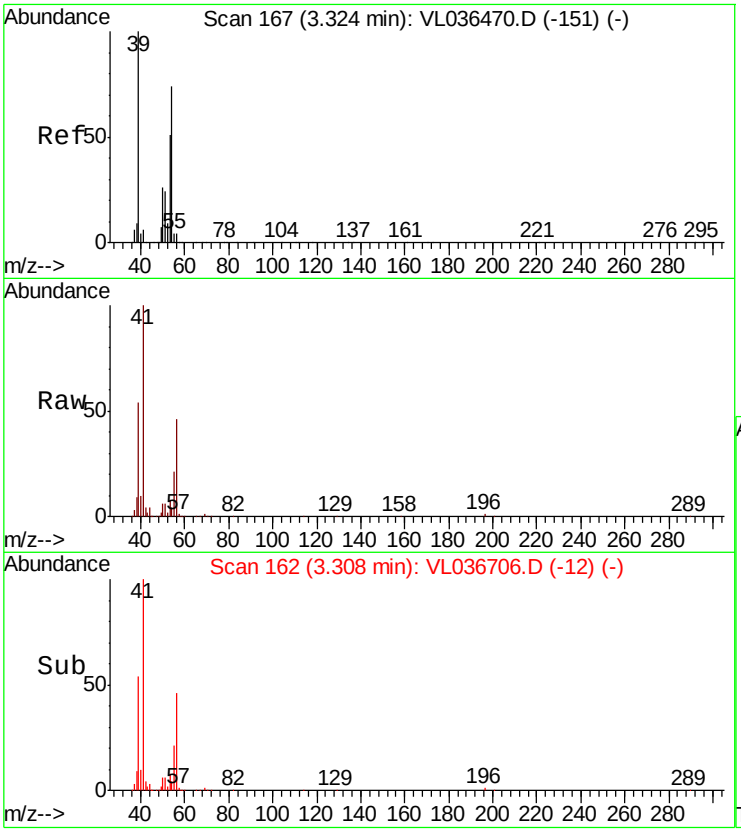


#15
Acetone
Concen: 23.762 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 43 Resp: 2944725

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8



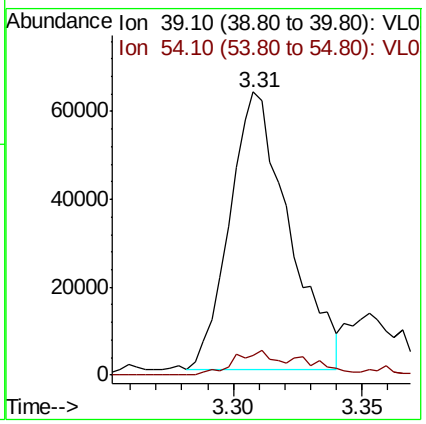


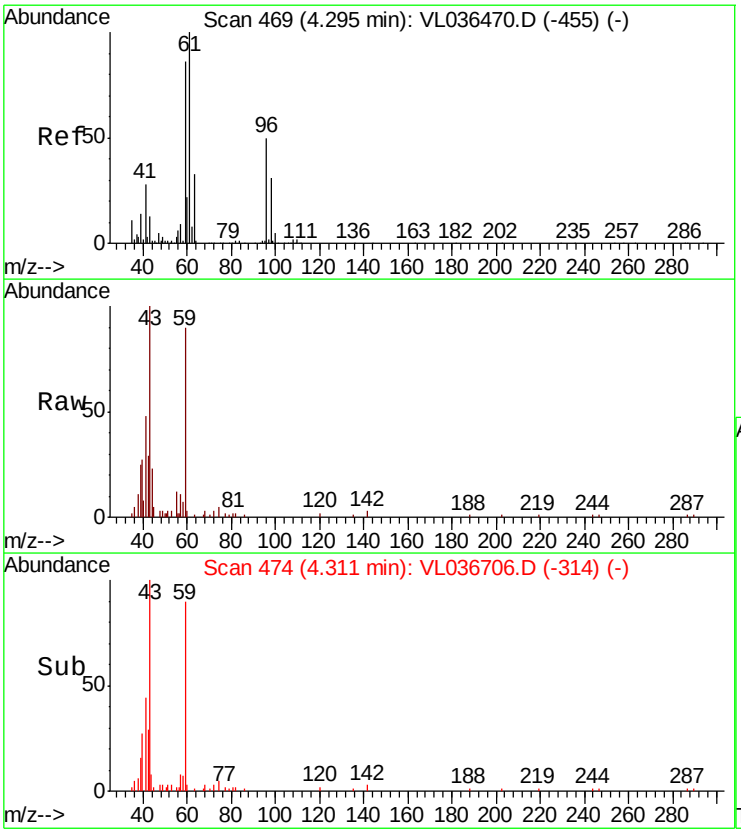
#16
1,3-Butadiene
Concen: 1.167 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.02 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 39 Resp: 100716

Ion	Ratio	Lower	Upper
39	100		
54	11.3	58.8	88.2#

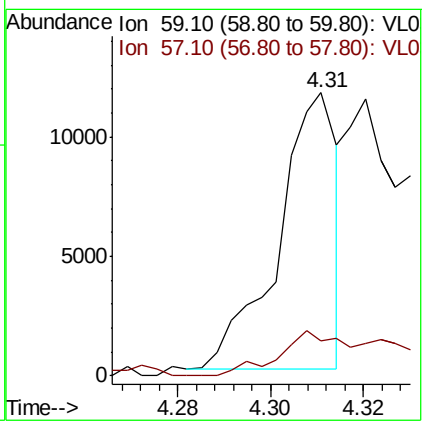


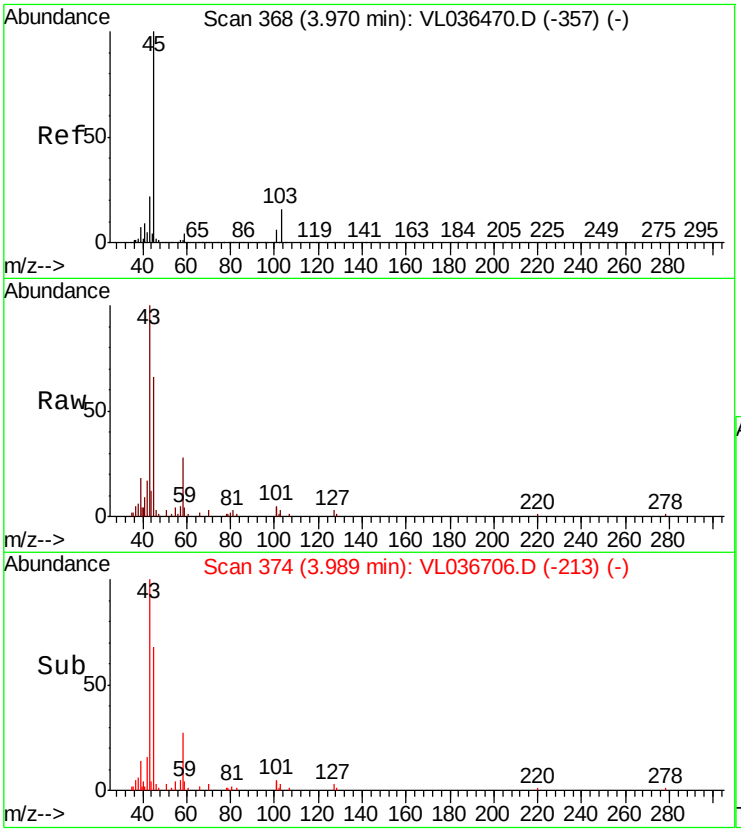


#17
tert-Butyl alcohol
Concen: 0.095 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 59 Resp: 10197

Ion	Ratio	Lower	Upper
59	100		
57	37.3	8.6	12.8#



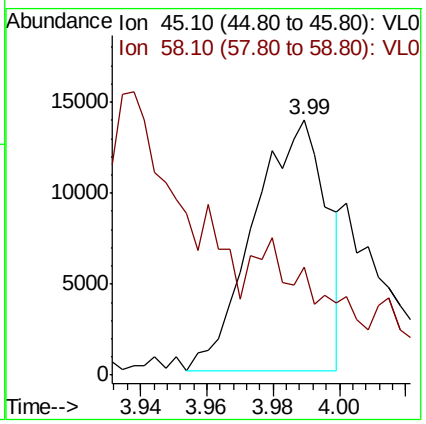


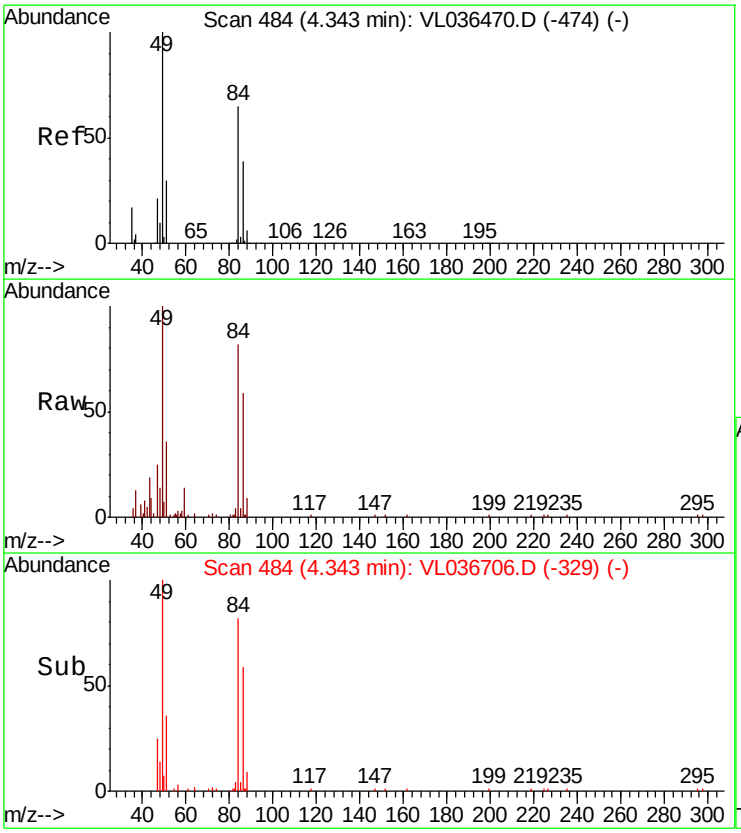
#19
Isopropyl Alcohol
Concen: 0.312 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion: 45 Resp: 21279

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.9	4.3#

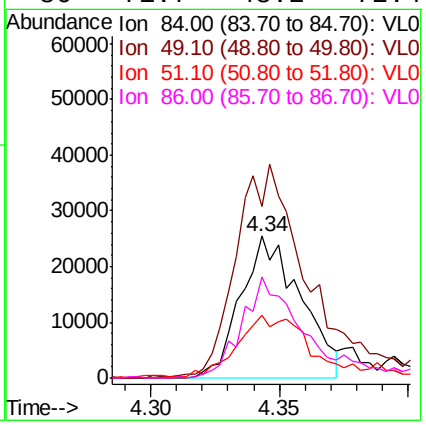


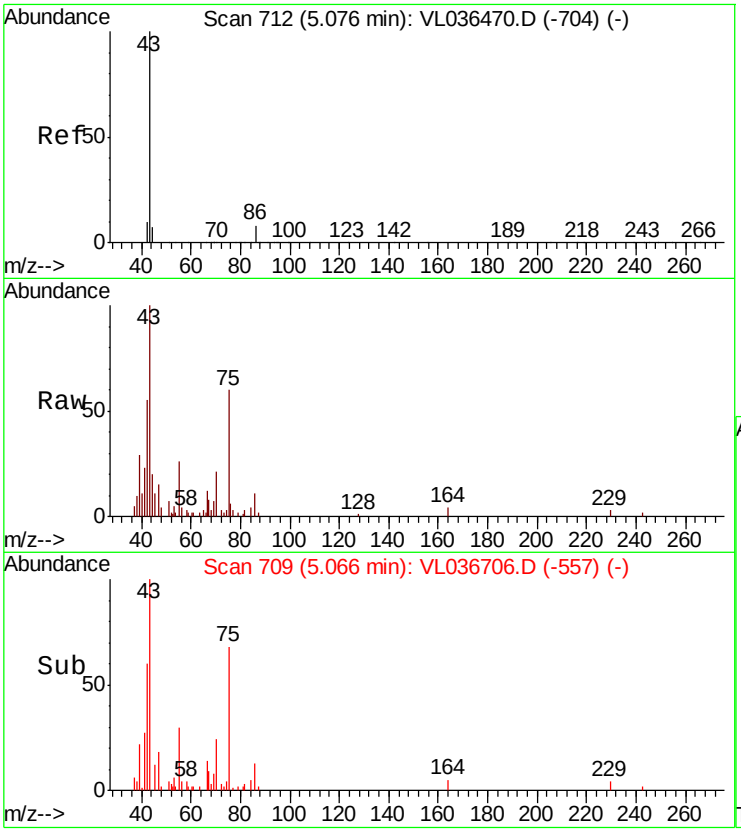


#20
Methylene Chloride
Concen: 0.710 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 84 Resp: 41203

Ion	Ratio	Lower	Upper
84	100		
49	117.7	122.9	184.3#
51	43.3	36.9	55.3
86	71.7	48.2	72.4



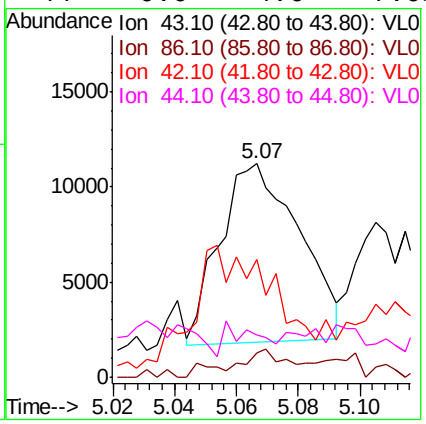


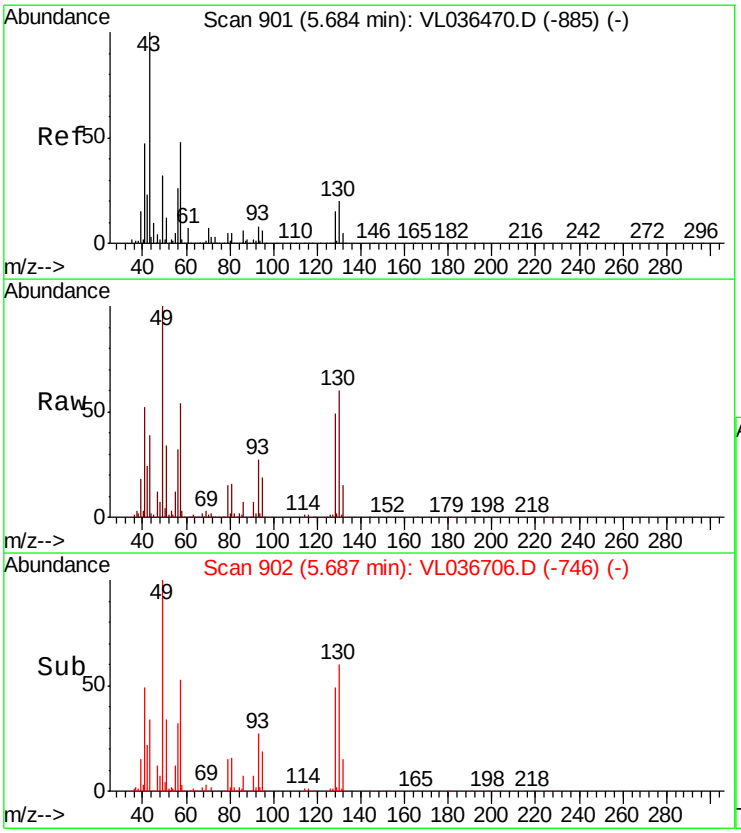
#23
Vinyl Acetate
Concen: 0.079 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion: 43 Resp: 16821

Ion	Ratio	Lower	Upper
43	100		
86	13.6	5.4	8.0#
42	45.8	8.5	12.7#
44	0.0	4.6	7.0#

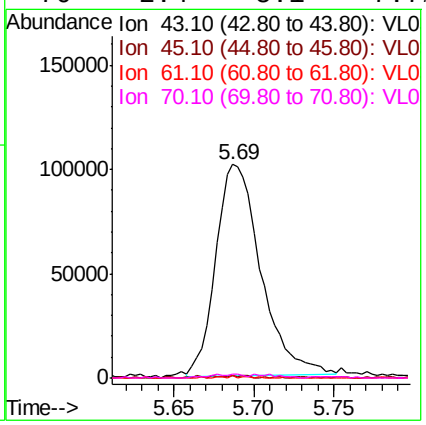


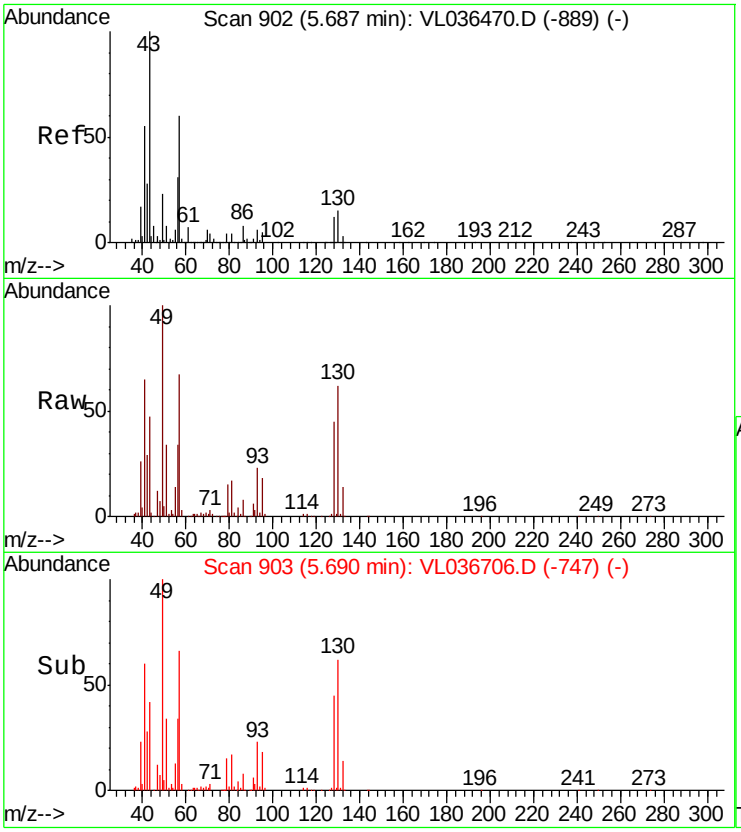


#25
Ethyl Acetate
Concen: 0.668 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 43 Resp: 196738

Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.9	11.9#
61	0.7	7.4	11.2#
70	2.4	5.1	7.7#



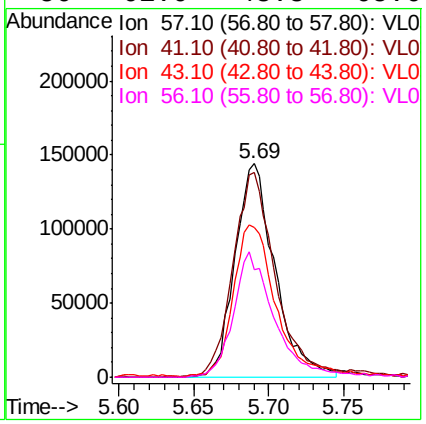


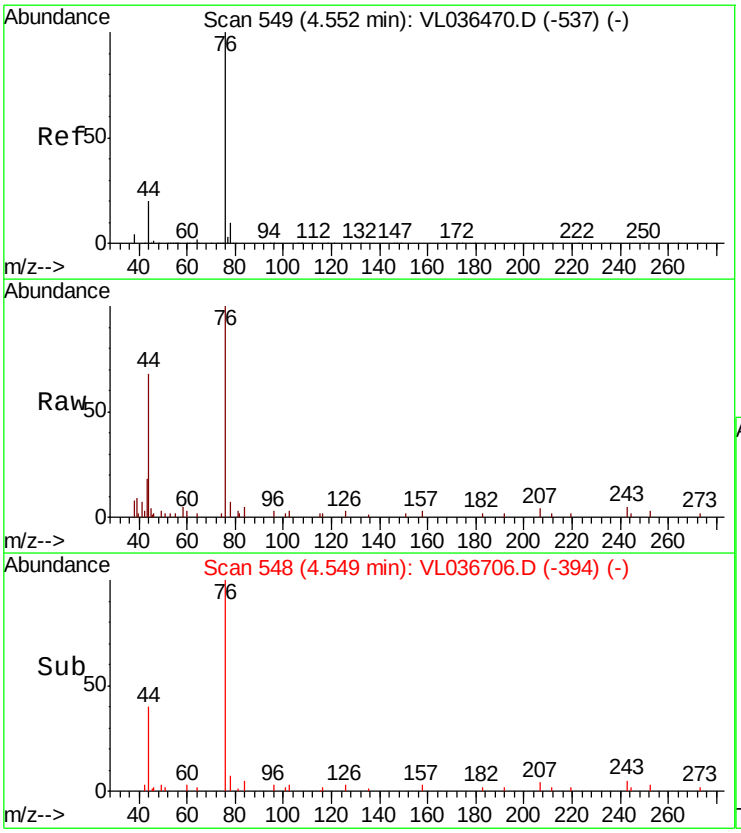
#26
Hexane
Concen: 1.961 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion: 57 Resp: 268089

Ion	Ratio	Lower	Upper
57	100		
41	105.6	77.2	115.8
43	76.8	173.8	260.6#
56	61.0	43.8	65.6

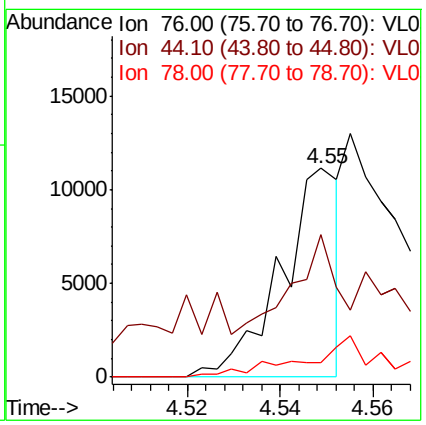


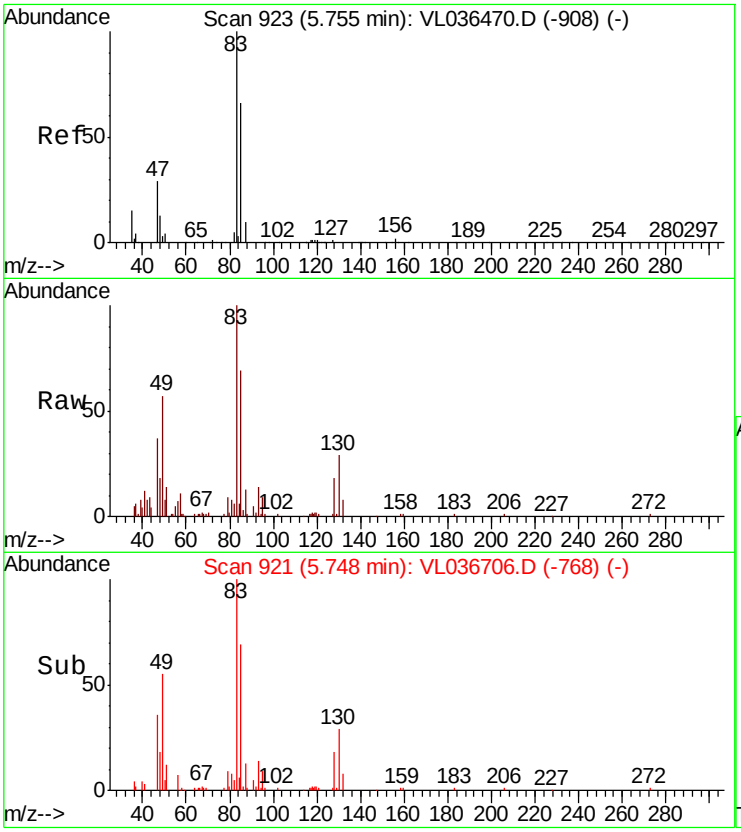


#27
Carbon Disulfide
Concen: 0.072 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 76 Resp: 9702

Ion	Ratio	Lower	Upper
76	100		
44	97.0	17.5	26.3#
78	0.0	8.6	13.0#



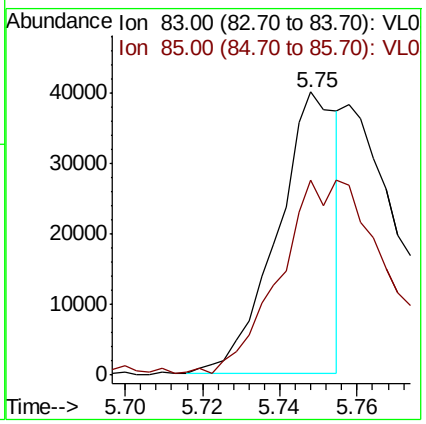


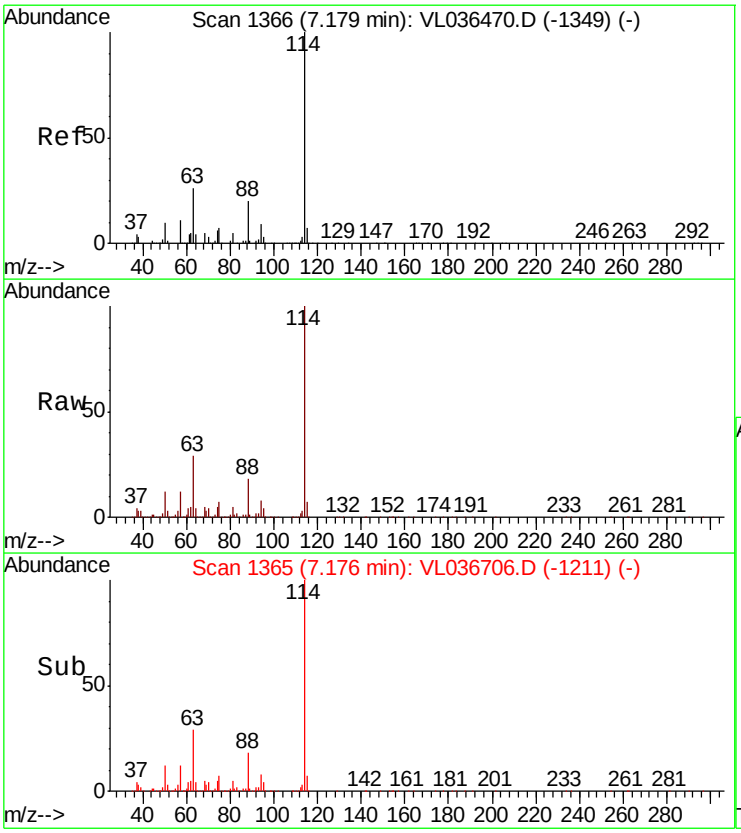
#29
Chloroform
Concen: 0.197 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 83 Resp: 43049

Ion	Ratio	Lower	Upper
83	100		
85	68.1	52.6	78.8

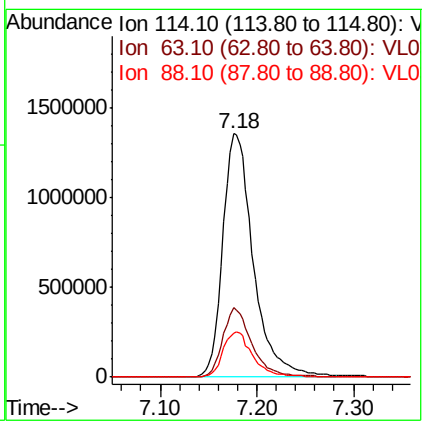


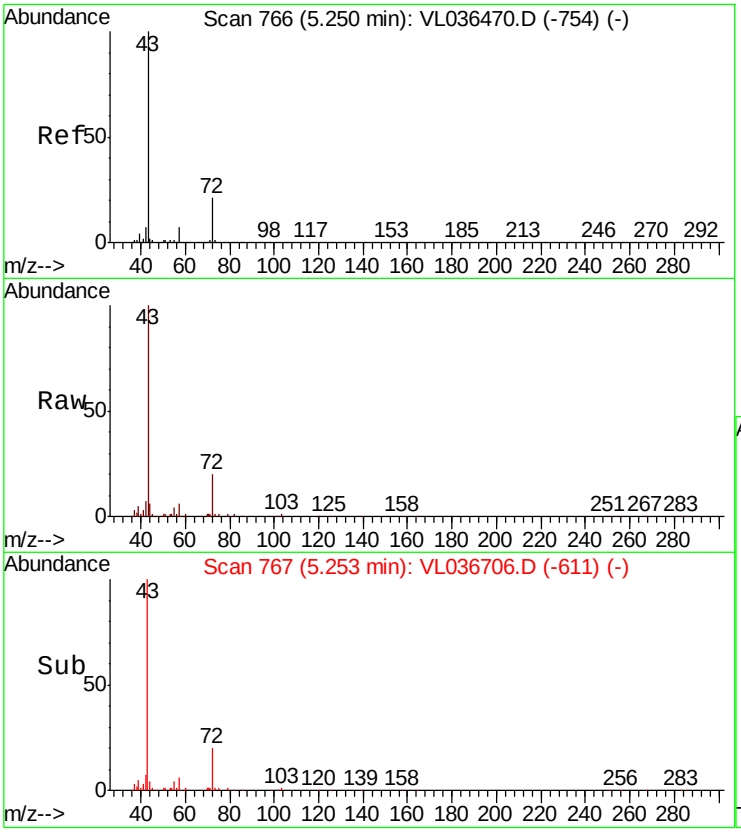


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion:114 Resp: 2975022

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.4	33.6
88	18.5	15.4	23.0



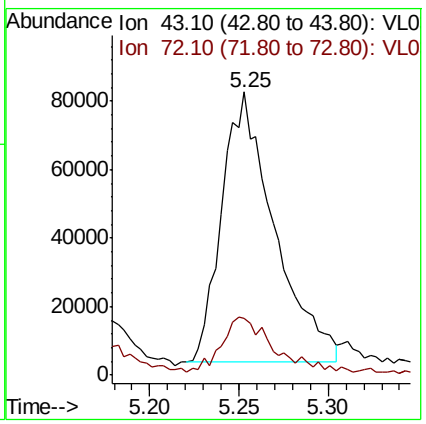


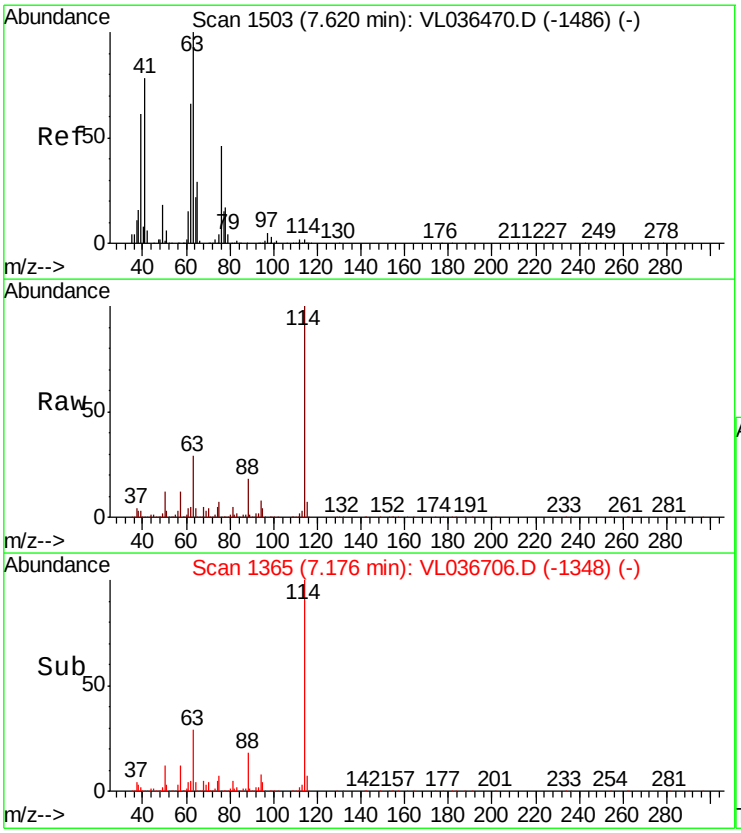
#34
2-Butanone
Concen: 1.111 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 161315

Ion	Ratio	Lower	Upper
43	100		
72	23.6	17.0	25.6

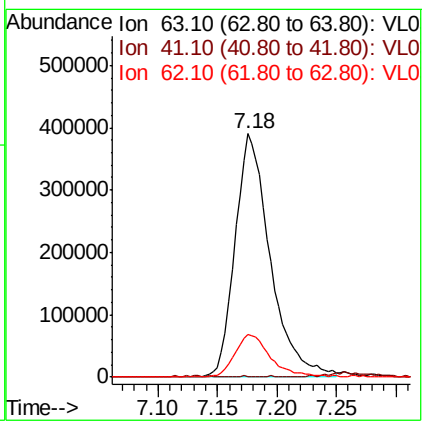


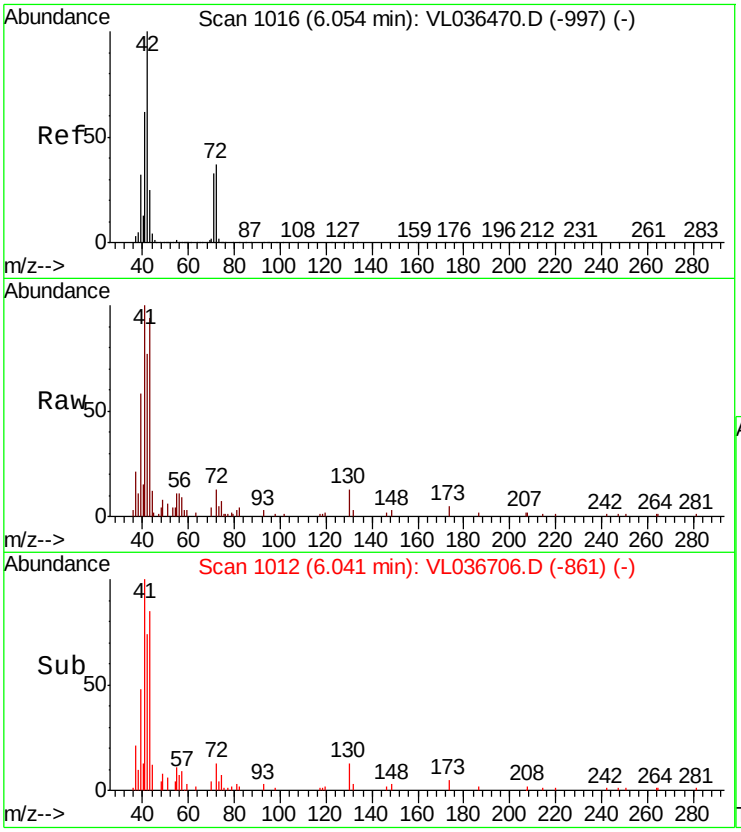


#39
1,2-Dichloropropane
Concen: 7.184 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.44 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 63 Resp: 799599

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	17.7	52.8	79.2#



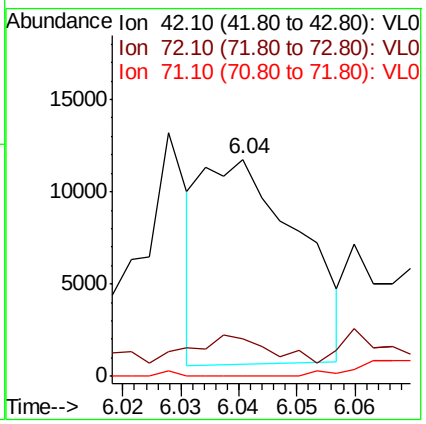


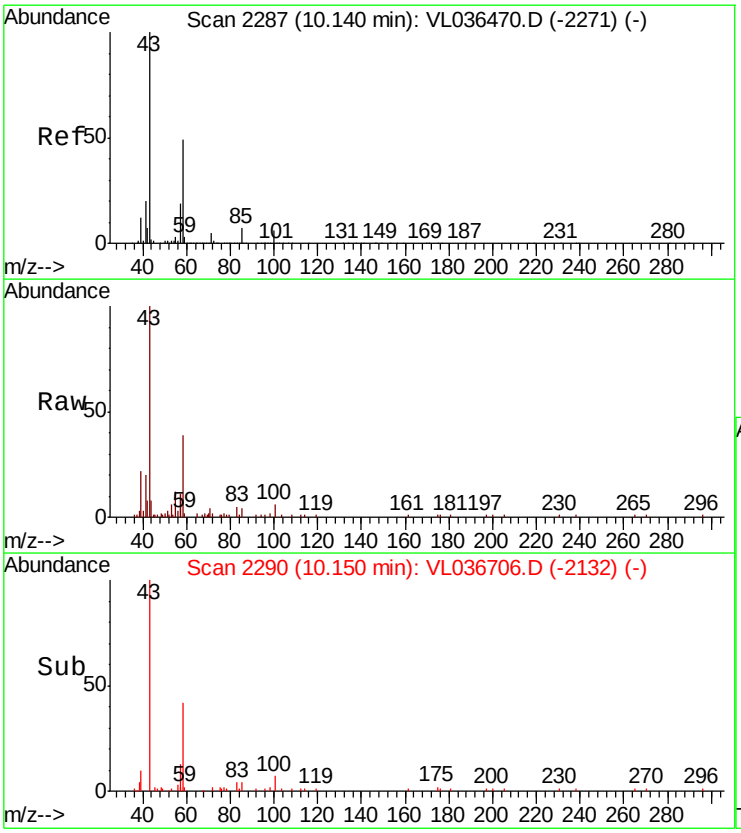
#41
Tetrahydrofuran
Concen: 0.191 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 42 Resp: 12803

Ion	Ratio	Lower	Upper
42	100		
72	29.7	27.6	41.4
71	0.0	27.0	40.4#

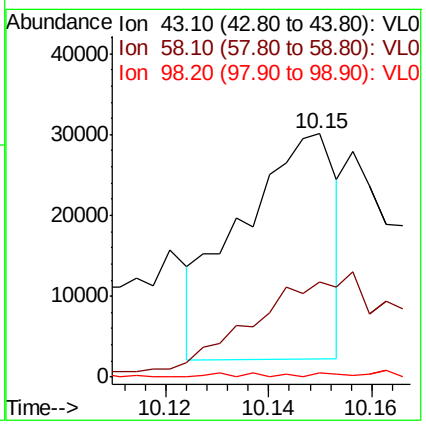


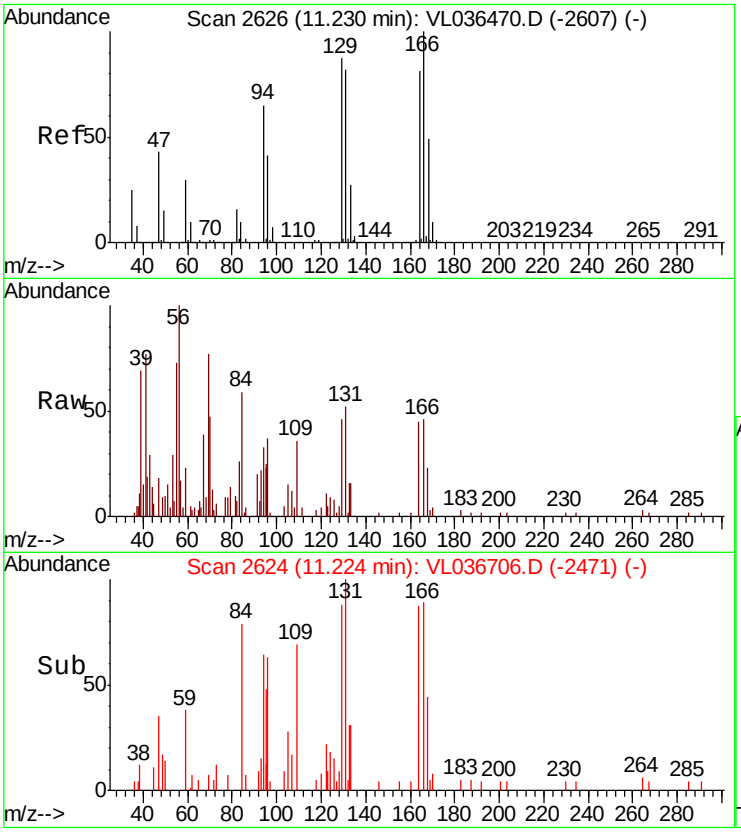


#51
2-Hexanone
Concen: 0.336 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 43 Resp: 35615

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



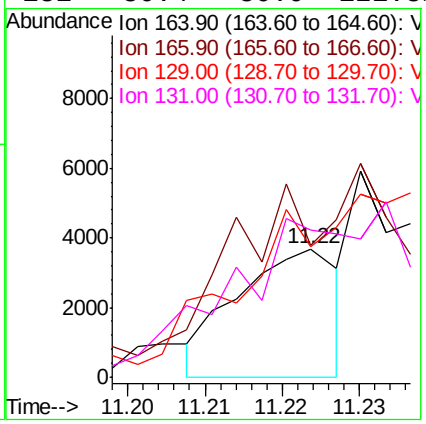


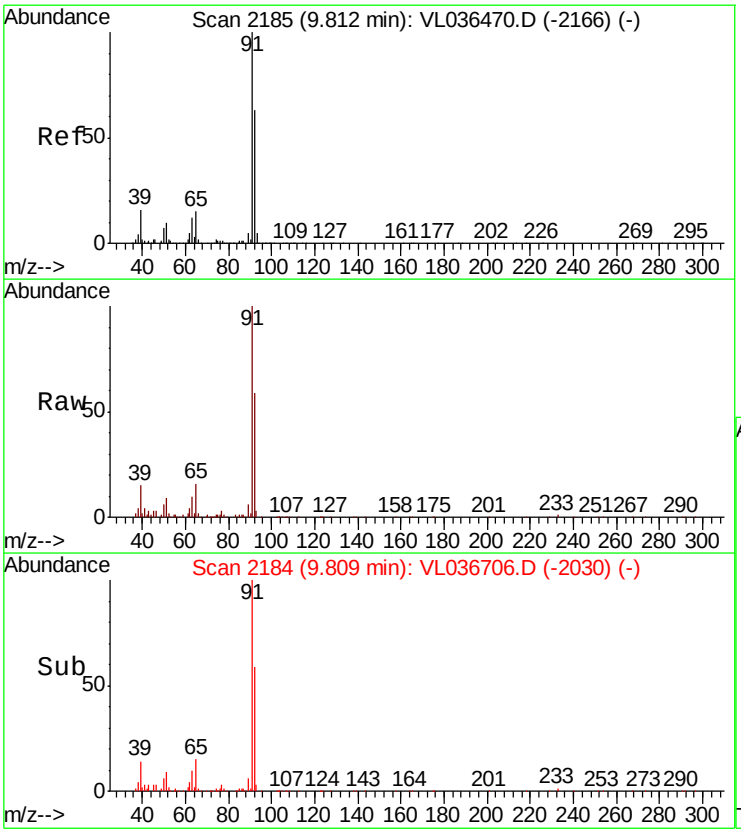
#52
Tetrachloroethene
Concen: 0.033 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:164 Resp: 3342

Ion	Ratio	Lower	Upper
164	100		
166	88.7	98.3	147.5#
129	56.3	85.8	128.8#
131	80.4	80.9	121.3#

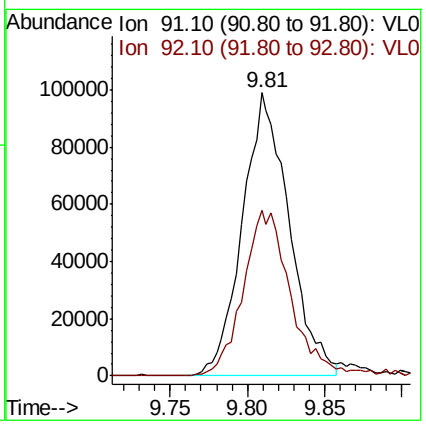


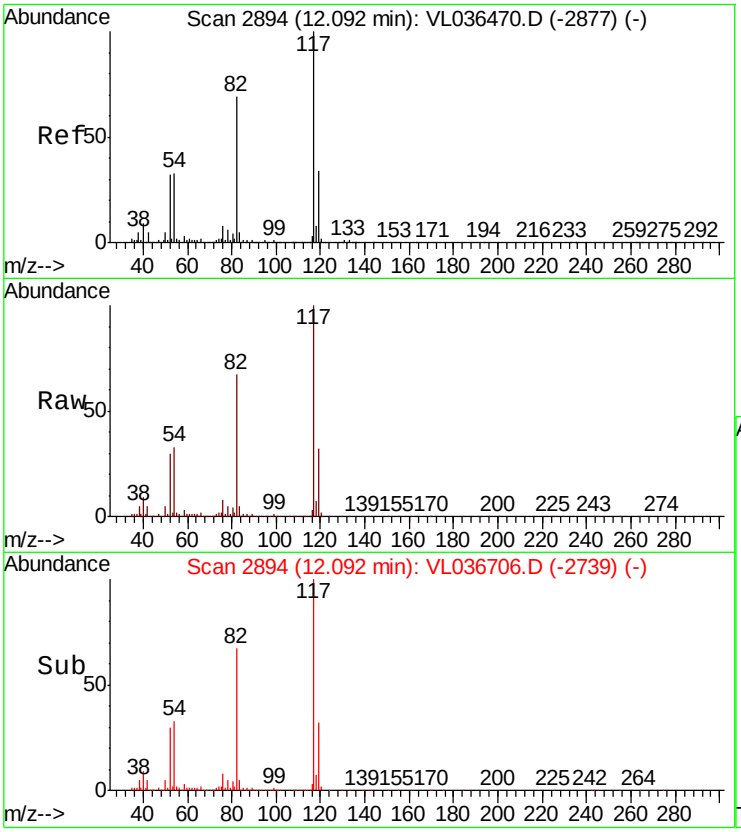


#53
Toluene
Concen: 0.711 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 91 Resp: 207849

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.8	73.2



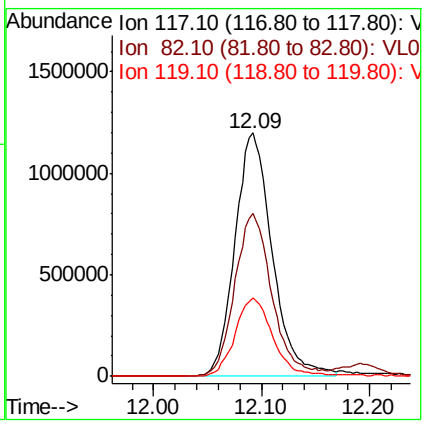


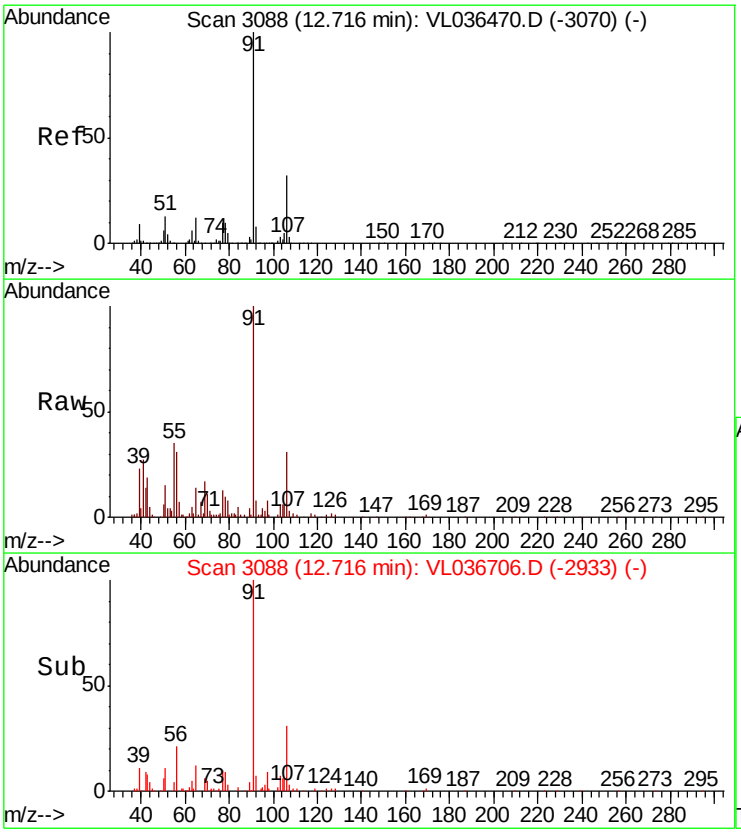
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion:117 Resp: 2891106

Ion	Ratio	Lower	Upper
117	100		
82	66.9	57.4	86.0
119	33.2	47.4	71.0#

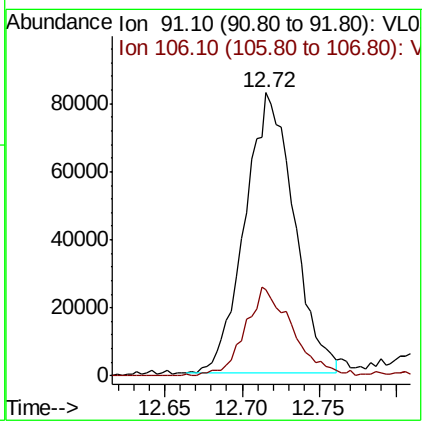


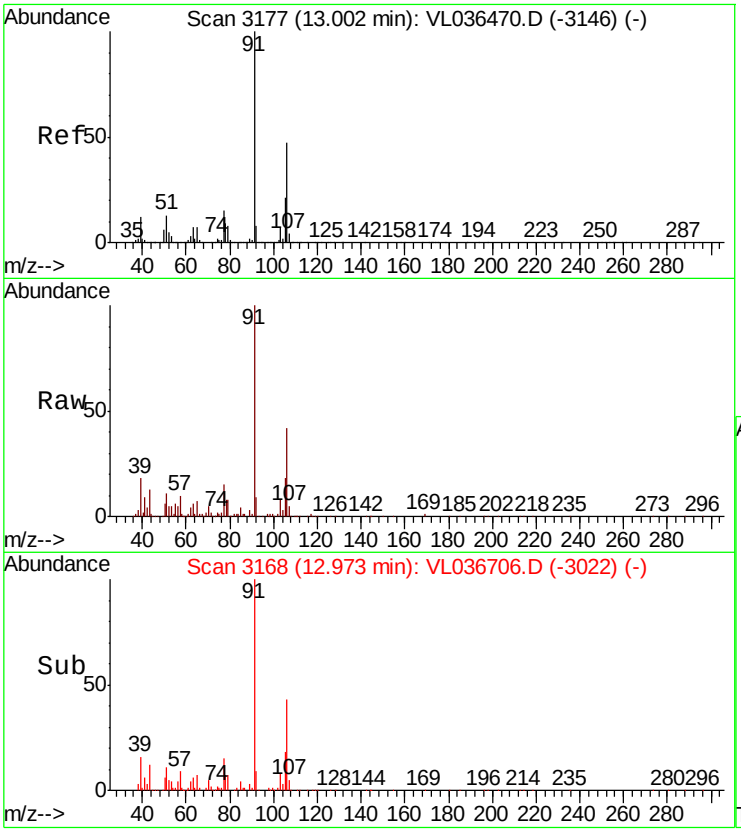


#58
Ethyl Benzene
Concen: 0.432 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 91 Resp: 181683

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9



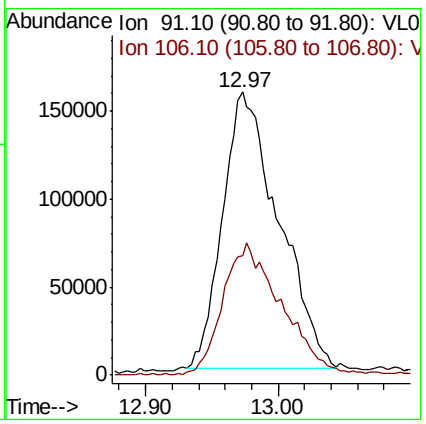


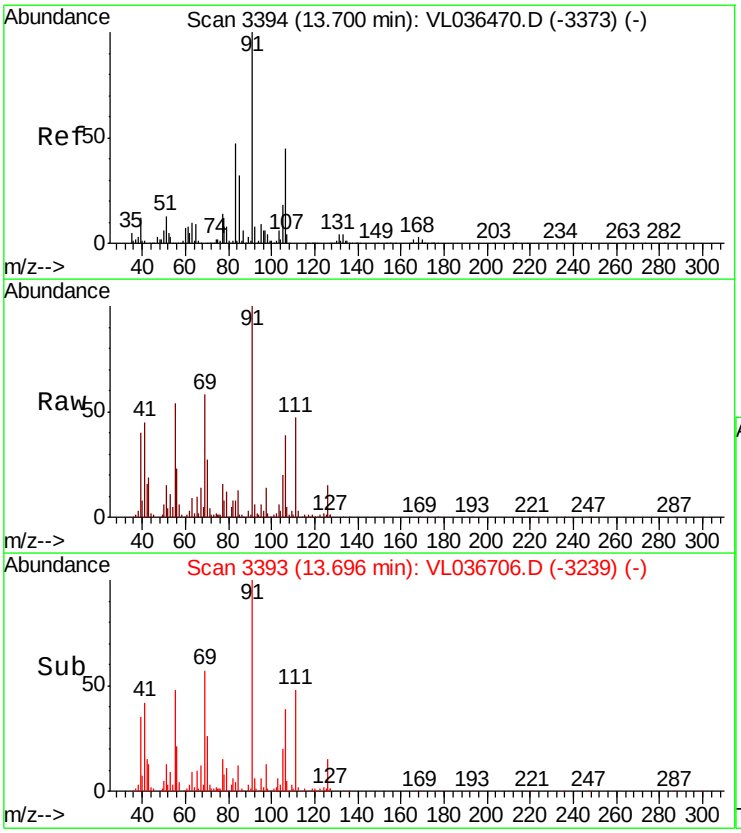
#59
m/p-Xylene
Concen: 1.258 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 461559

Ion	Ratio	Lower	Upper
91	100		
106	50.3	35.3	52.9

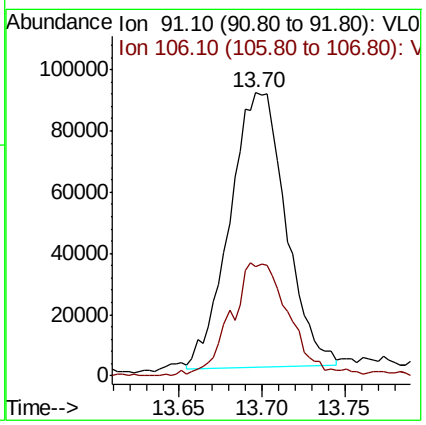


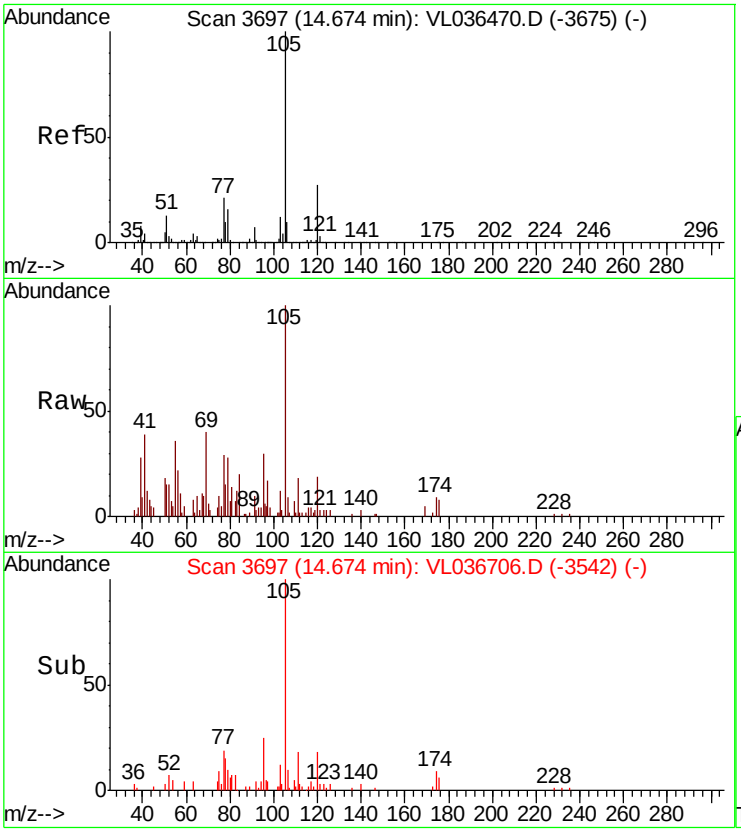


#60
o-Xylene
Concen: 0.596 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 91 Resp: 211404

Ion	Ratio	Lower	Upper
91	100		
106	44.4	22.3	66.9



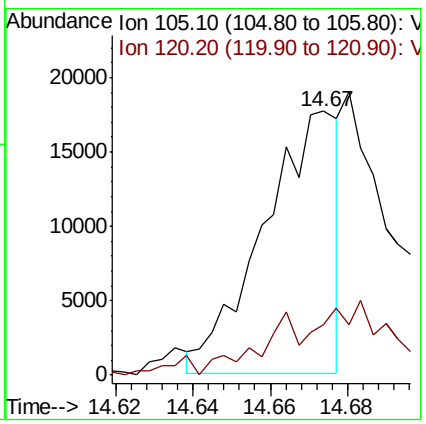


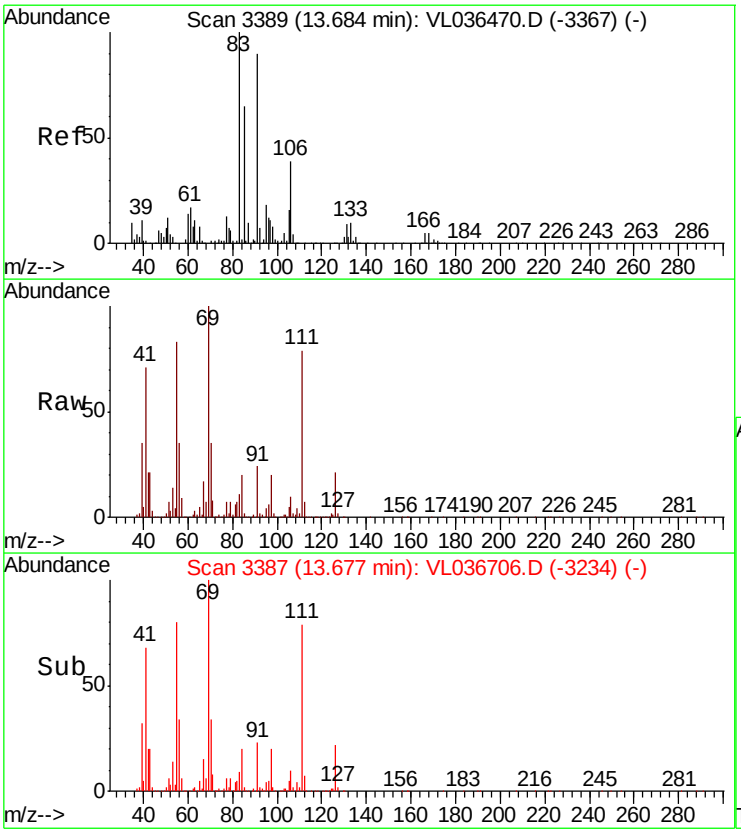
#62
Isopropylbenzene
Concen: 0.049 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 23565

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.6	31.0#

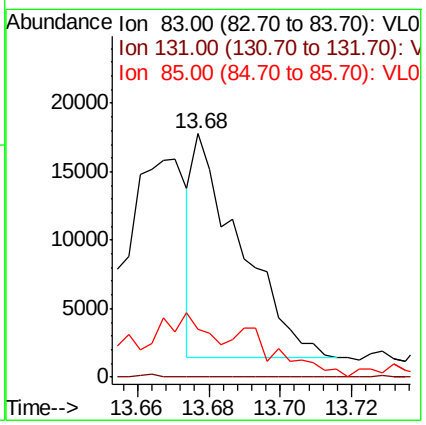


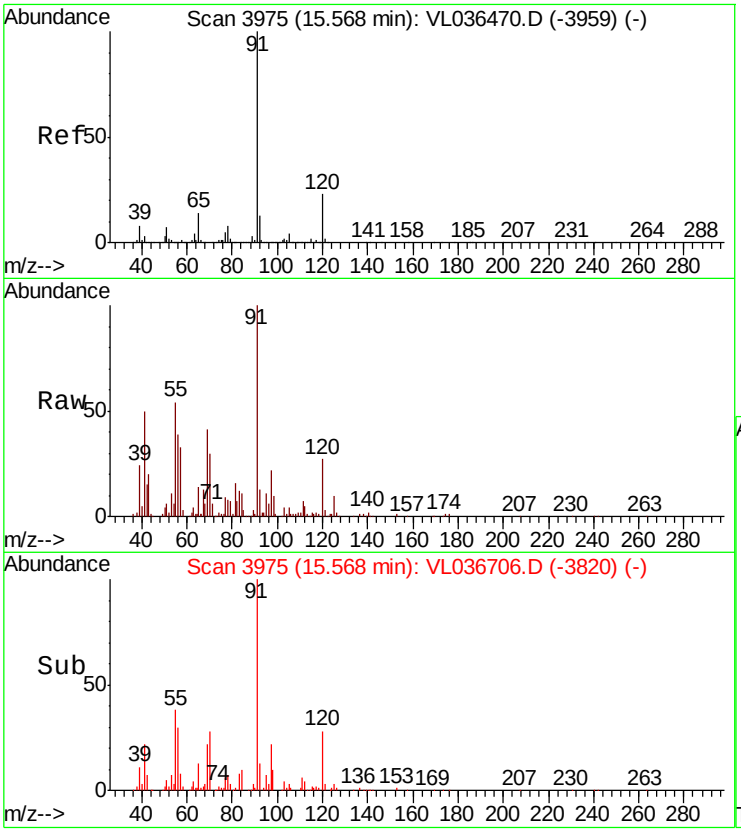


#63
1,1,2,2-Tetrachloroethane
Concen: 0.055 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 83 Resp: 14904

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	55.5	33.1	99.3



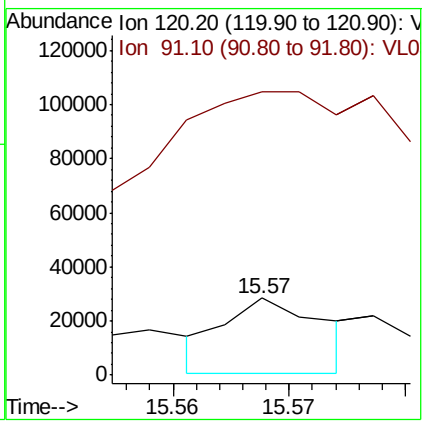


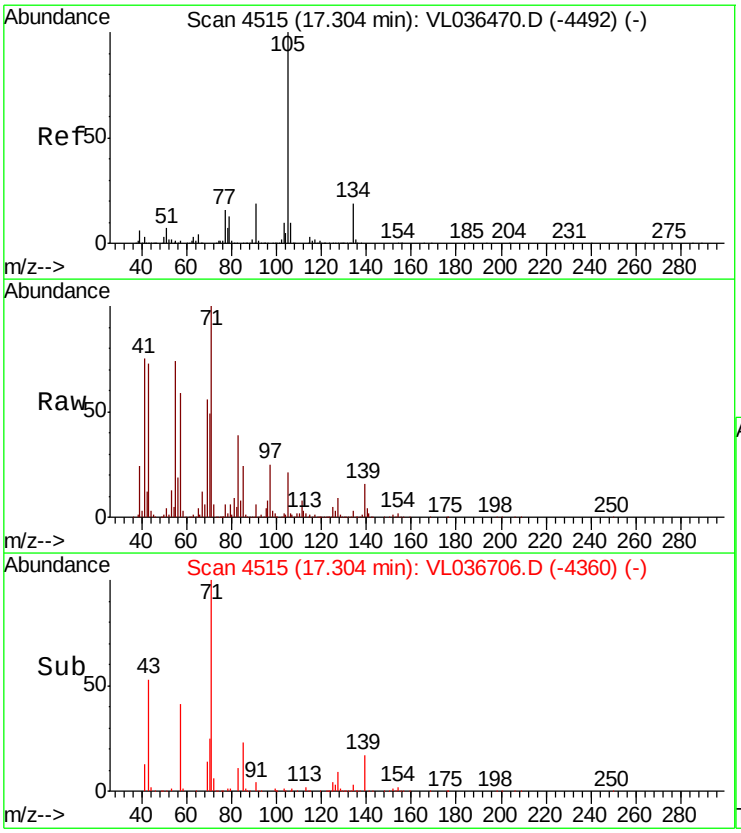
#64
n-propylbenzene
Concen: 0.143 ppbv
RT: 15.57 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:120 Resp: 16742

Ion	Ratio	Lower	Upper
120	100		
91	1572.4	377.4	566.2#

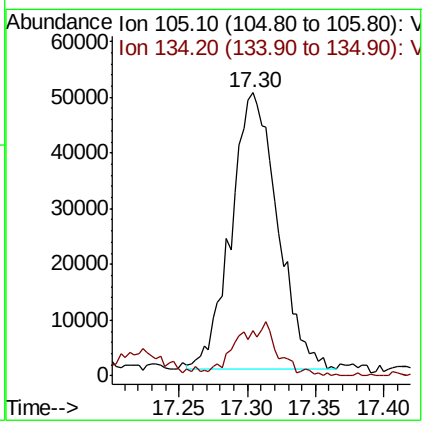


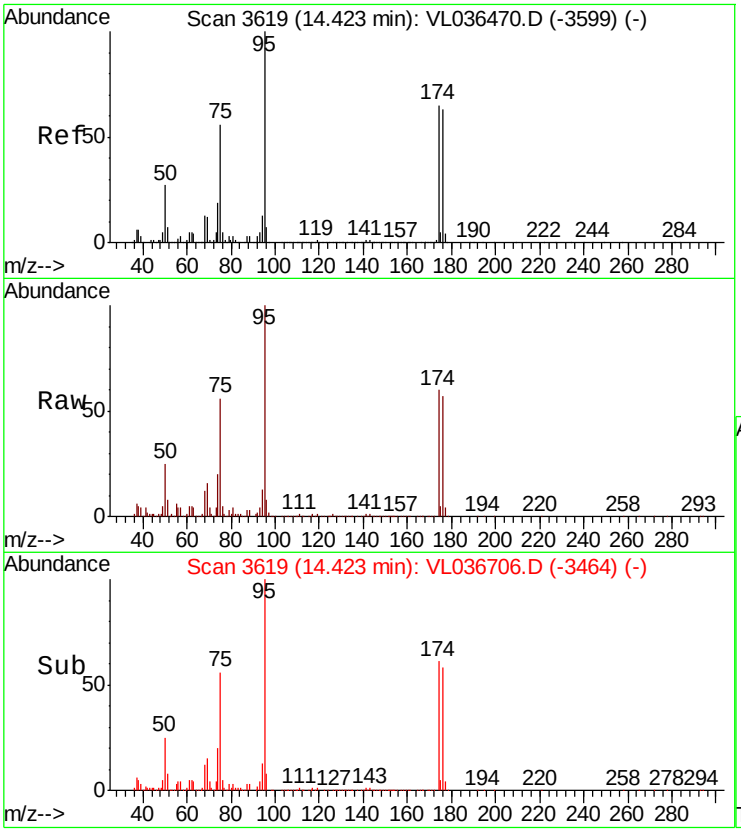


#67
sec-Butylbenzene
Concen: 0.201 ppbv
RT: 17.30 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion:105 Resp: 117544

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.7	22.1



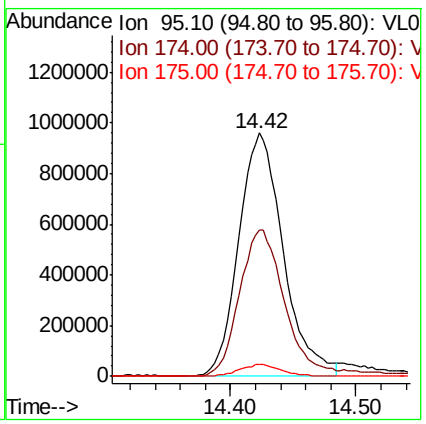


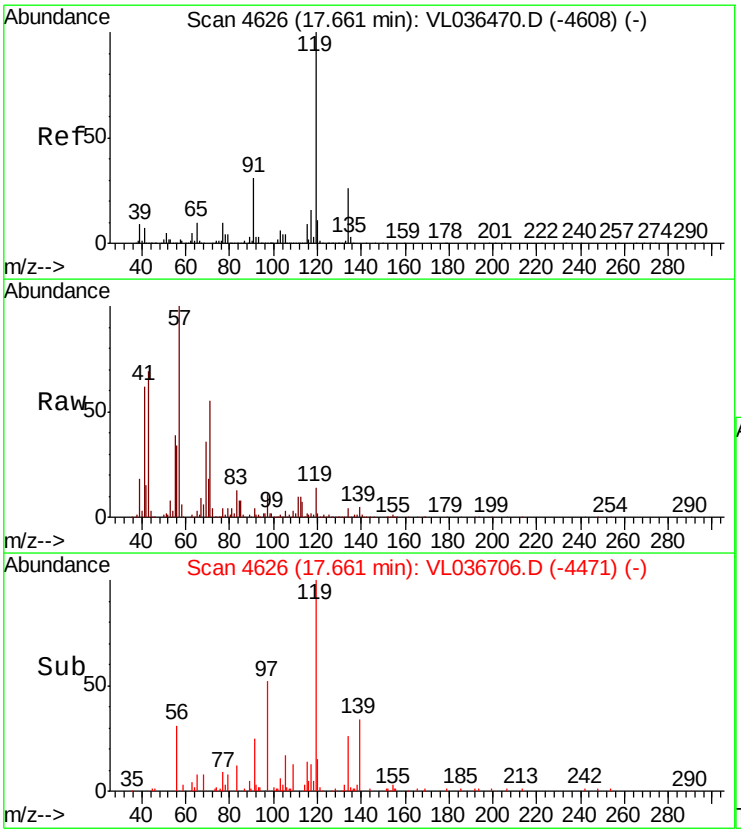
#68
1-Bromo-4-Fluorobenzene
Concen: 10.264 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 2365175

Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.0	76.6
175	4.7	3.9	5.9

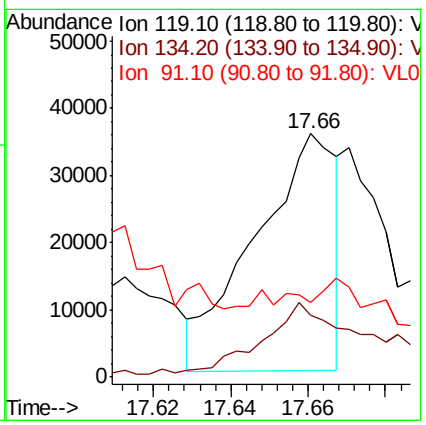


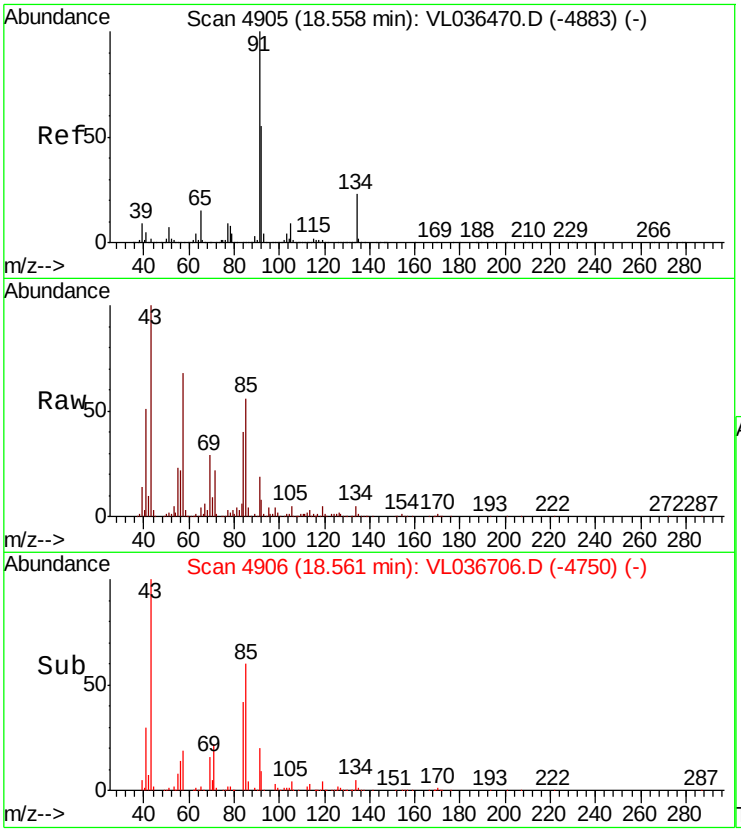


#69
p-Isopropyltoluene
Concen: 0.112 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion:119 Resp: 51168

Ion	Ratio	Lower	Upper
119	100		
134	46.7	20.6	30.8#
91	0.0	25.0	37.6#



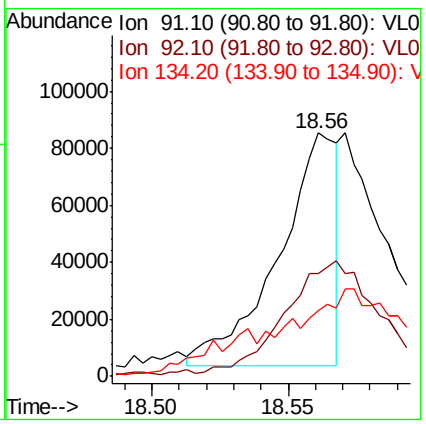


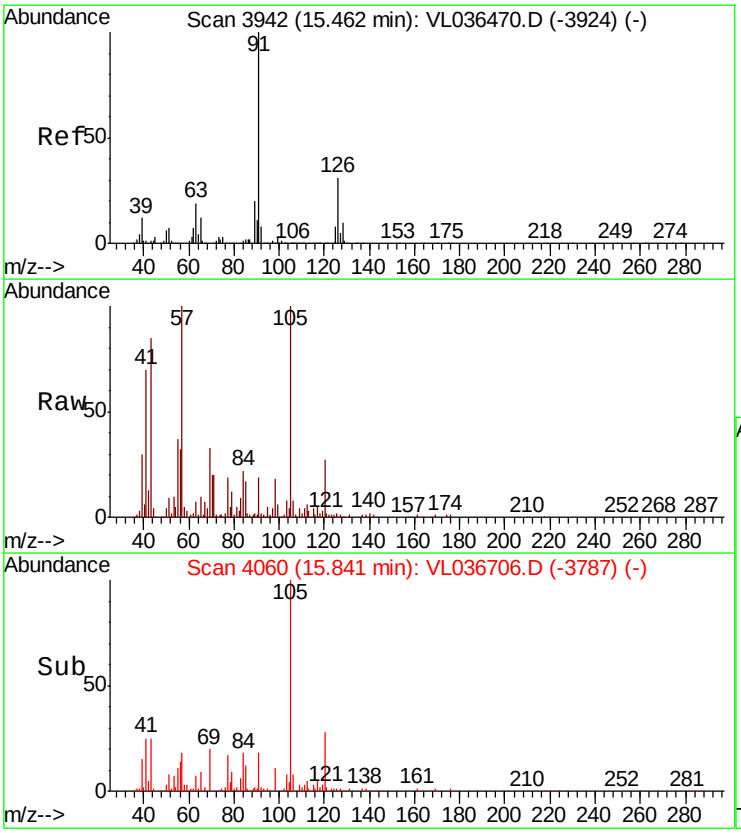
#70
n-Butylbenzene
Concen: 0.255 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 120808

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.8#
134	0.0	18.0	27.0#

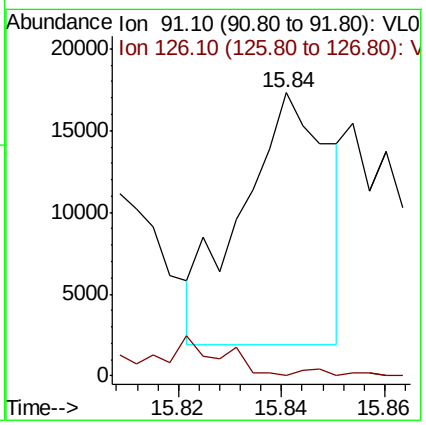


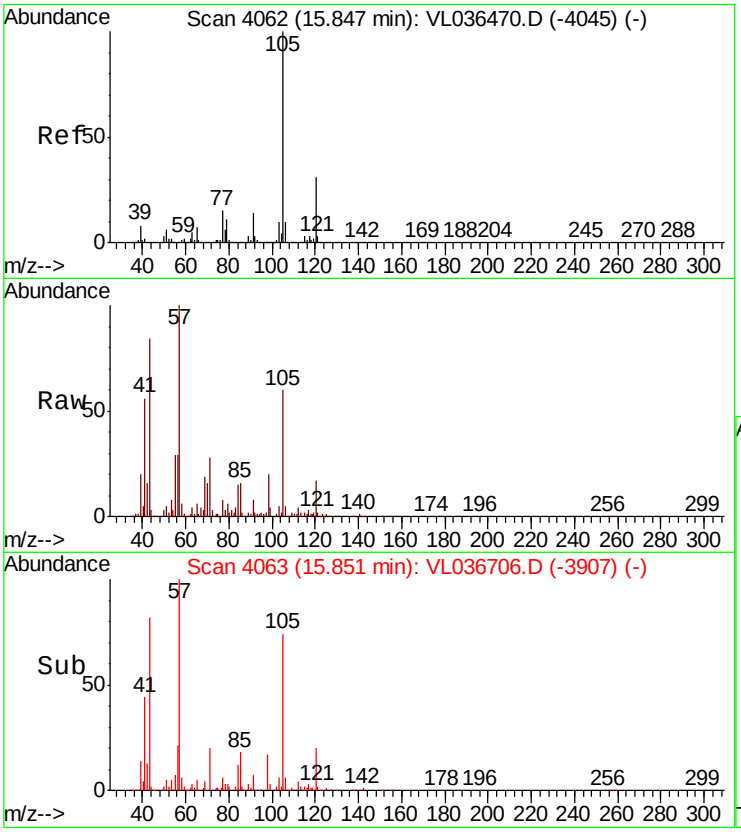


#71
2-Chlorotoluene
Concen: 0.050 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. 0.38 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion: 91 Resp: 17994

Ion	Ratio	Lower	Upper
91	100		
126	46.2	12.1	48.5



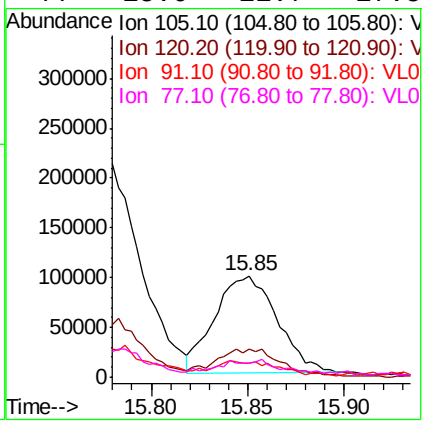


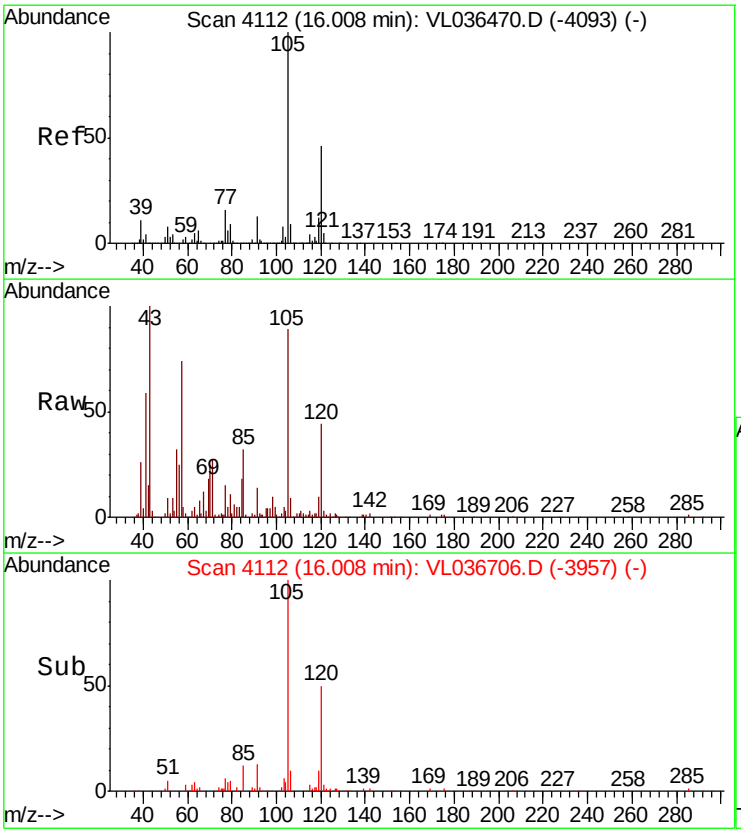
#72
4-Ethyltoluene
Concen: 0.563 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 218922

Ion	Ratio	Lower	Upper
105	100		
120	32.1	24.0	36.0
91	16.8	11.0	16.4#
77	15.0	11.7	17.5

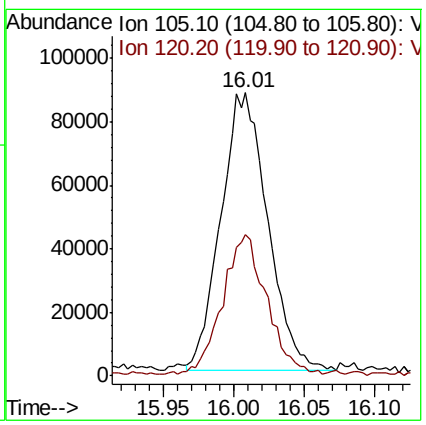


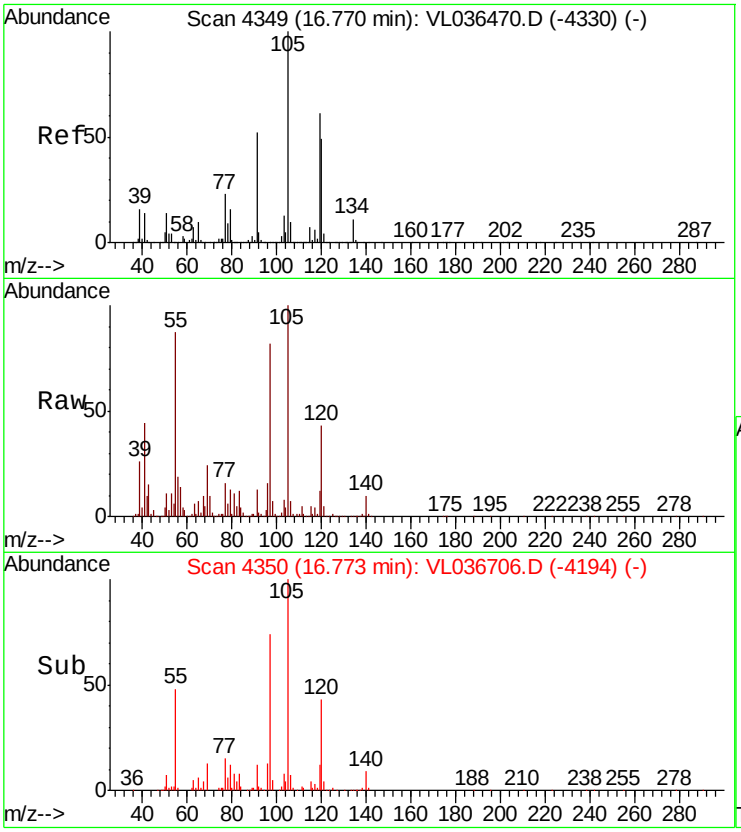


#73
1,3,5-Trimethylbenzene
Concen: 0.560 ppbv
RT: 16.01 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion:105 Resp: 203297

Ion	Ratio	Lower	Upper
105	100		
120	48.8	36.6	54.8



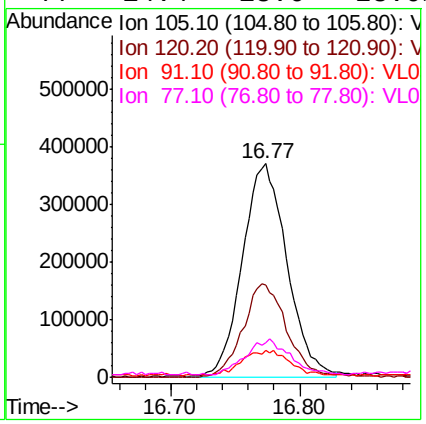


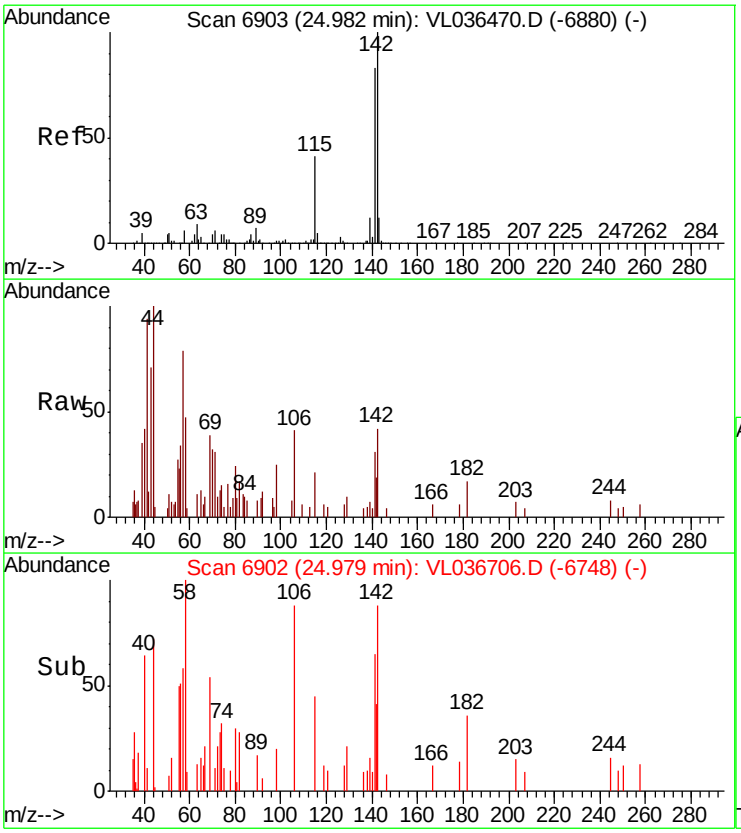
#74
1,2,4-Trimethylbenzene
Concen: 2.289 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. 0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 888503

Ion	Ratio	Lower	Upper
105	100		
120	43.1	39.2	58.8
91	11.5	42.6	64.0#
77	14.4	18.6	28.0#





#80
Naphthalene,2-methyl-
Concen: 0.091 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.00 min
Lab File: VL036706.D
Acq: 6 Apr 2021 20:27

Tgt Ion:142 Resp: 4053

Ion	Ratio	Lower	Upper
142	100		
141	88.6	67.8	101.8
115	24.6	34.0	51.0#