Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL034999.D
Acq On : 12 May 2020 22:57
Operator : SY/AP
Sample : L2567-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-1

Quant Time: May 13 01:14:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1030354	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.17	114	2404650	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.10	117	2184463	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1795016	10.15	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	44804	0.306	ppbv		100
3) Chlorodifluoromethane	2.94	51	35873	0.305	ppbv		92
4) Chloromethane	3.09	50	31801	0.472	ppbv		99
9) Propene	2.97	41	15544	0.305	ppbv		96
10) Heptane	8.10	43	2940	0.023	ppbv	#	26
11) Trichlorofluoromethane	3.91	101	19527	0.130	ppbv		91
13) Ethanol	3.56	45	76217	4.525	ppbv		92
15) Acetone	3.81	43	294825	2.164	ppbv		91
19) Isopropyl Alcohol	3.94	45	88296	0.972	ppbv	#	89
20) Methylene Chloride	4.31	84	47824	1.061	ppbv	#	96
21) Allyl Chloride	4.33	41	3149	0.041	ppbv	#	1
23) Vinyl Acetate	5.05	43	4493	0.026	ppbv	#	67
25) Ethyl Acetate	5.66	43	275575	1.204	ppbv	#	78
26) Hexane	5.66	57	372516	3.755	ppbv	#	42
34) 2-Butanone	5.22	43	11772	0.079	ppbv	#	53
35) Carbon Tetrachloride	7.00	117	3601	0.024	ppbv	#	56
36) Benzene	6.88	78	14279	0.072	ppbv	#	76
39) 1,2-Dichloropropane	7.16	63	642533	8.085	ppbv	#	24
41) Tetrahydrofuran	5.66	42	144426	1.835	ppbv	#	49
44) 2,2,4-Trimethylpentane	7.86	57	58019	0.165	ppbv	#	39
52) Tetrachloroethene	11.22	164	2017	0.029	ppbv	#	75
53) Toluene	9.81	91	324825	1.546	ppbv		99
58) Ethyl Benzene	12.73	91	10732	0.040	ppbv		99
59) m/p-Xylene	13.00	91	19348	0.081	ppbv	#	8
60) o-Xylene	13.71	91	7236	0.031	ppbv	#	32

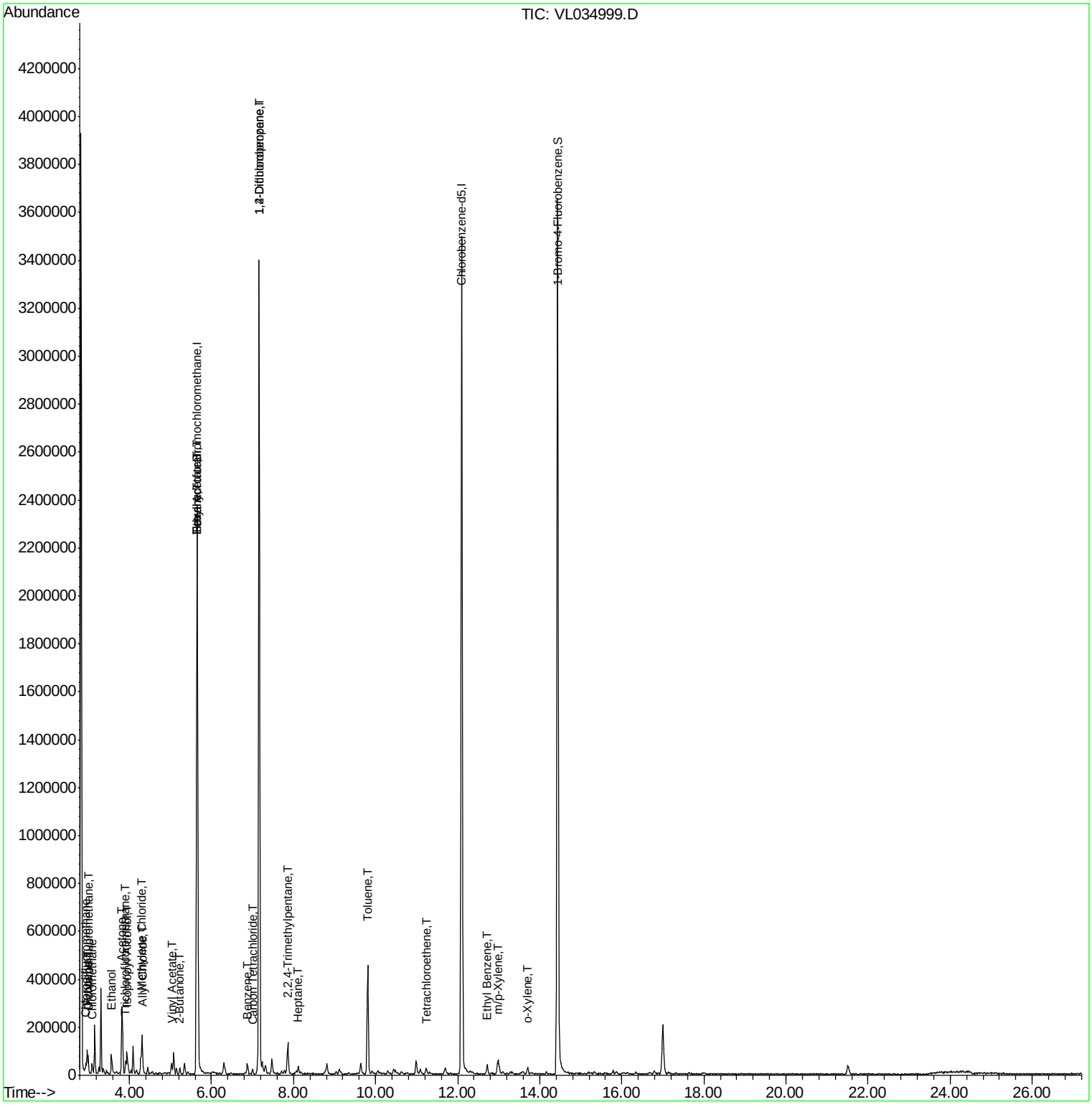
(#) = qualifier out of range (m) = manual integration (+) = signals summed

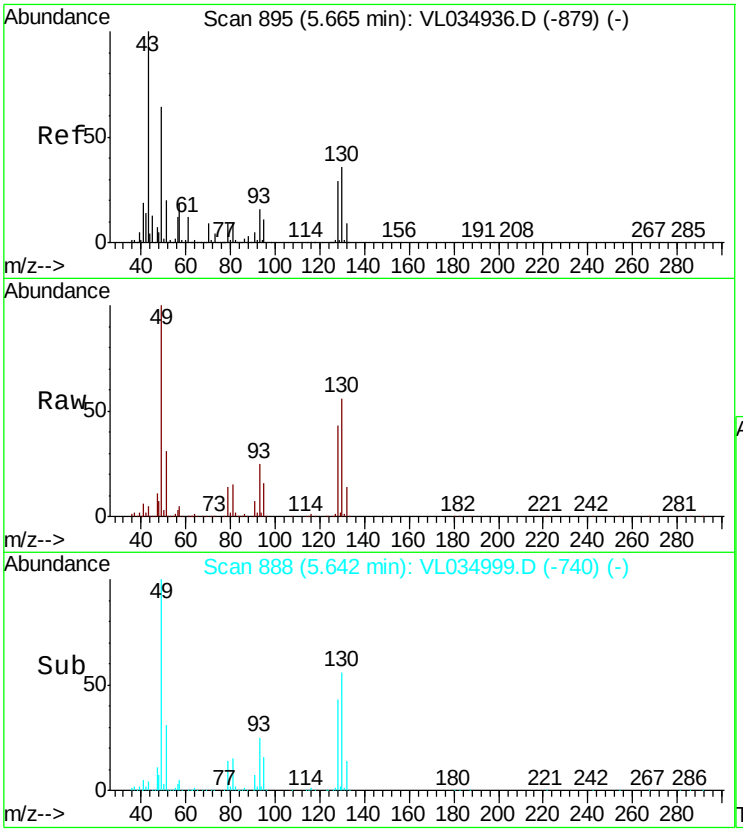
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL034999.D
Acq On : 12 May 2020 22:57
Operator : SY/AP
Sample : L2567-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-1

Quant Time: May 13 01:14:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



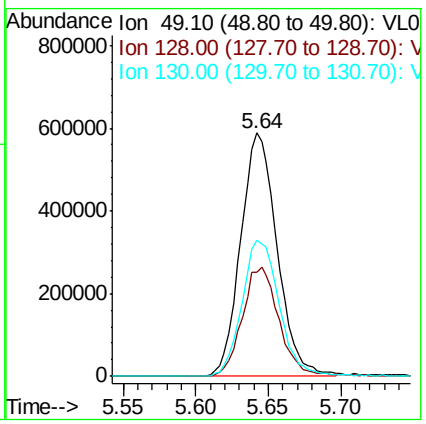


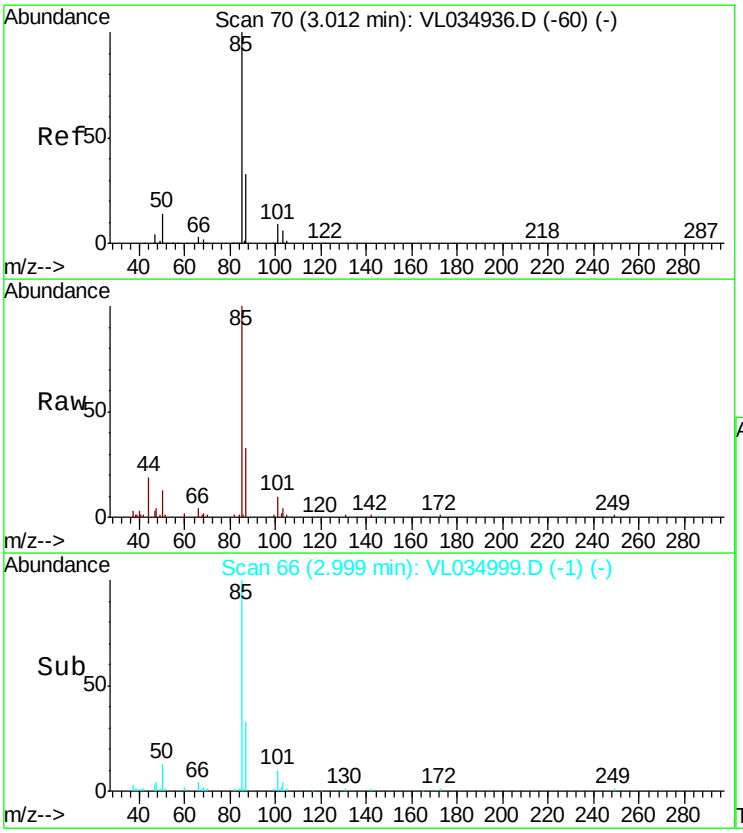
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 49 Resp: 1030354

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.1	66.5
130	57.6	29.1	87.3

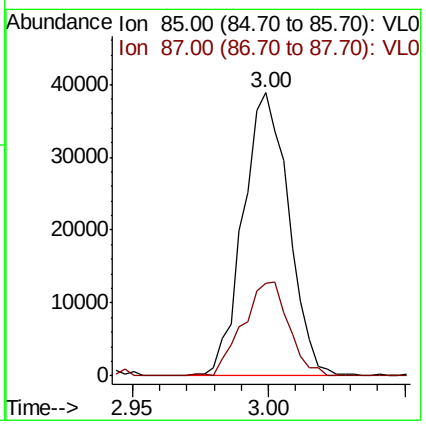


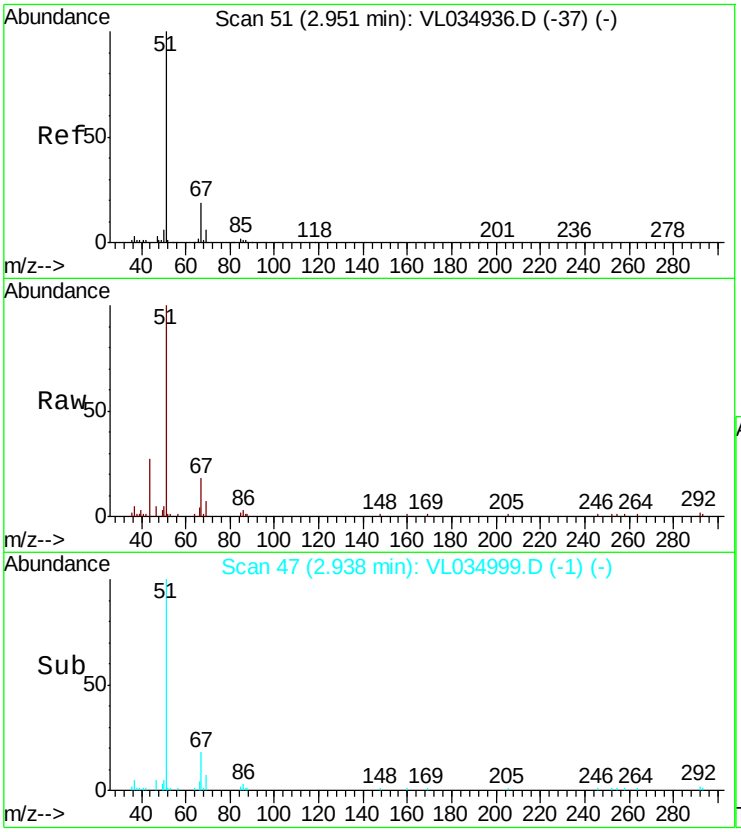


#2
Dichlorodifluoromethane
Concen: 0.306 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 85 Resp: 44804

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2



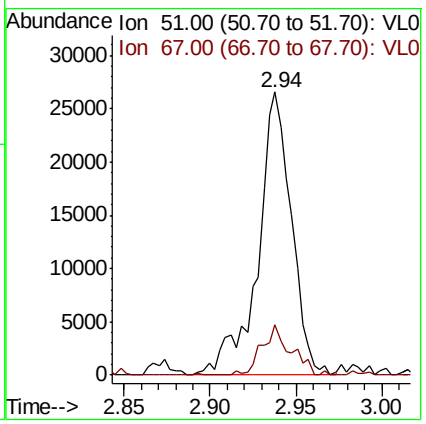


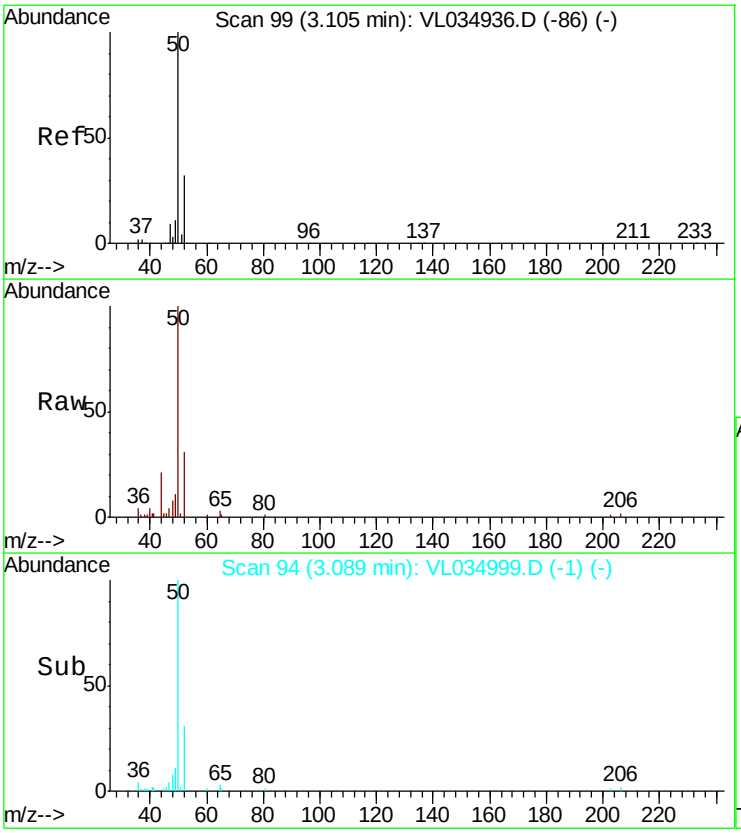
#3
Chlorodifluoromethane
Concen: 0.305 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 51 Resp: 35873

Ion	Ratio	Lower	Upper
51	100		
67	15.2	15.0	22.6

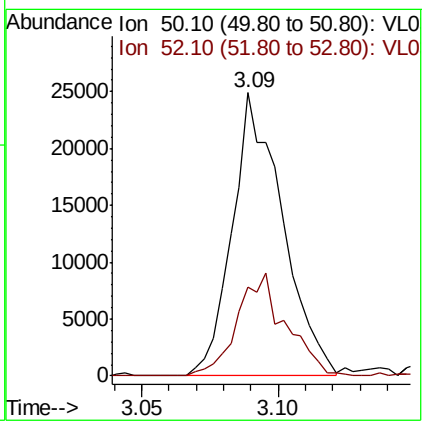


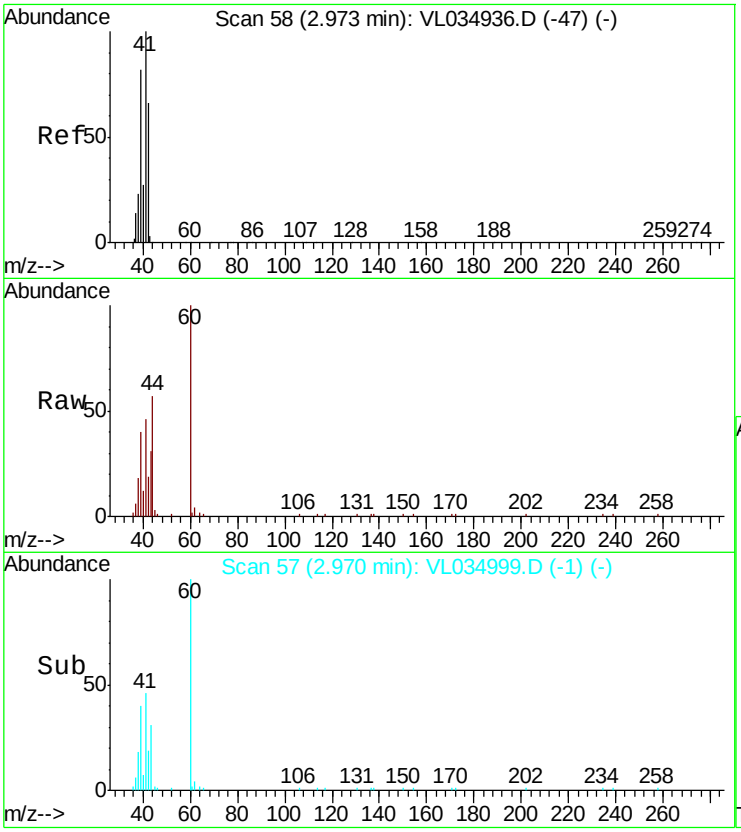


#4
Chloromethane
Concen: 0.472 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 50 Resp: 31801

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.4	38.2



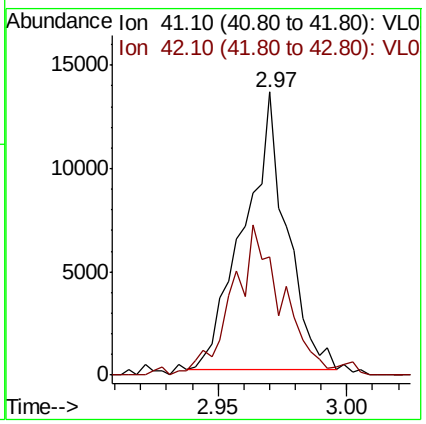


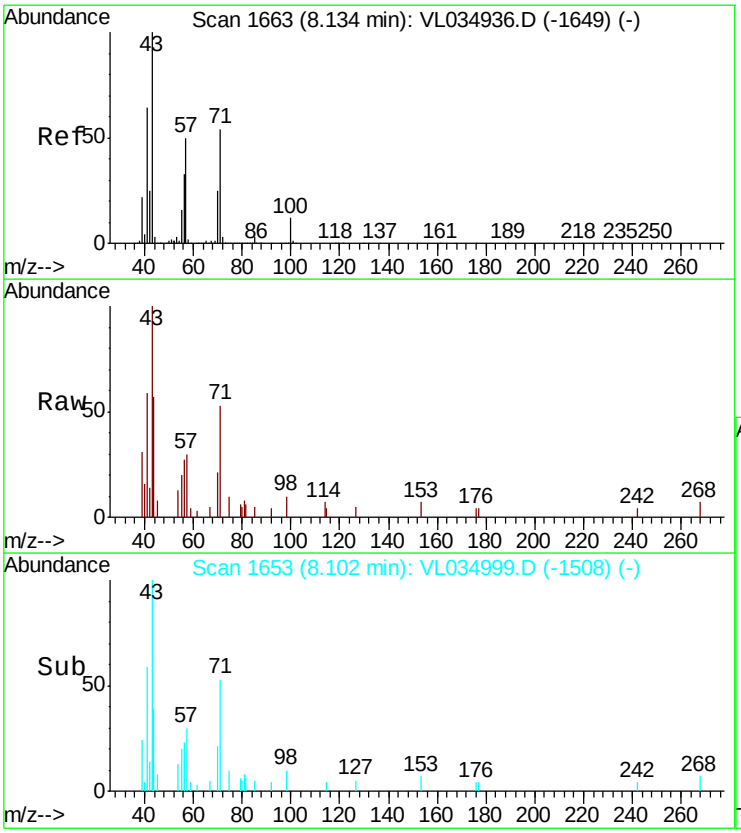
#9
Propene
Concen: 0.305 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.00 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 41 Resp: 15544

Ion	Ratio	Lower	Upper
41	100		
42	65.2	54.5	81.7

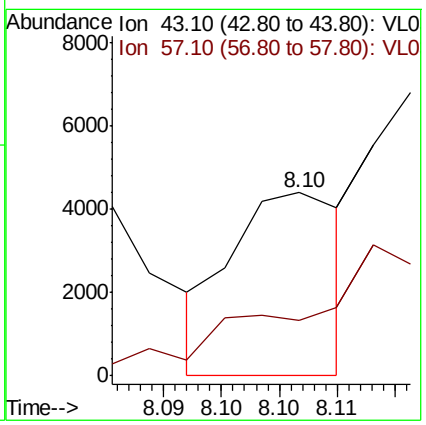


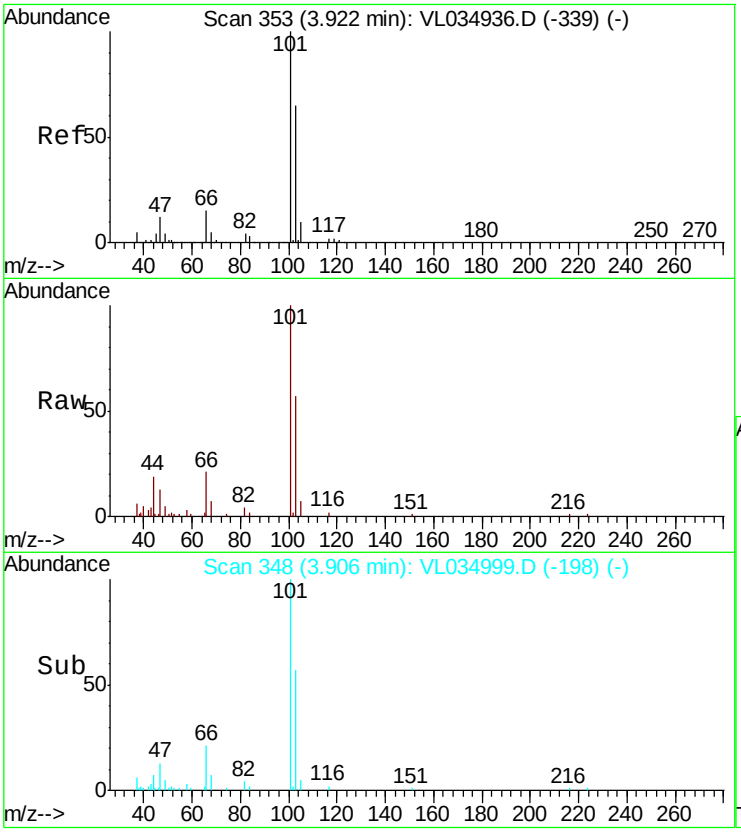


#10
Heptane
Concen: 0.023 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.03 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 43 Resp: 2940

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.1	61.7#



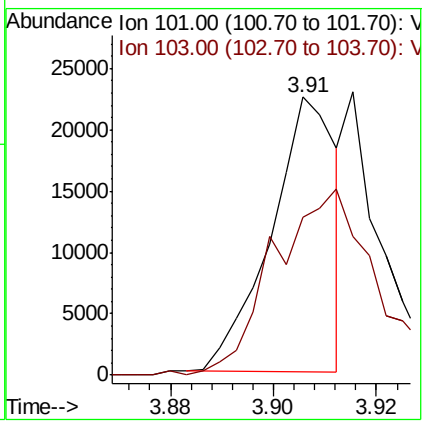


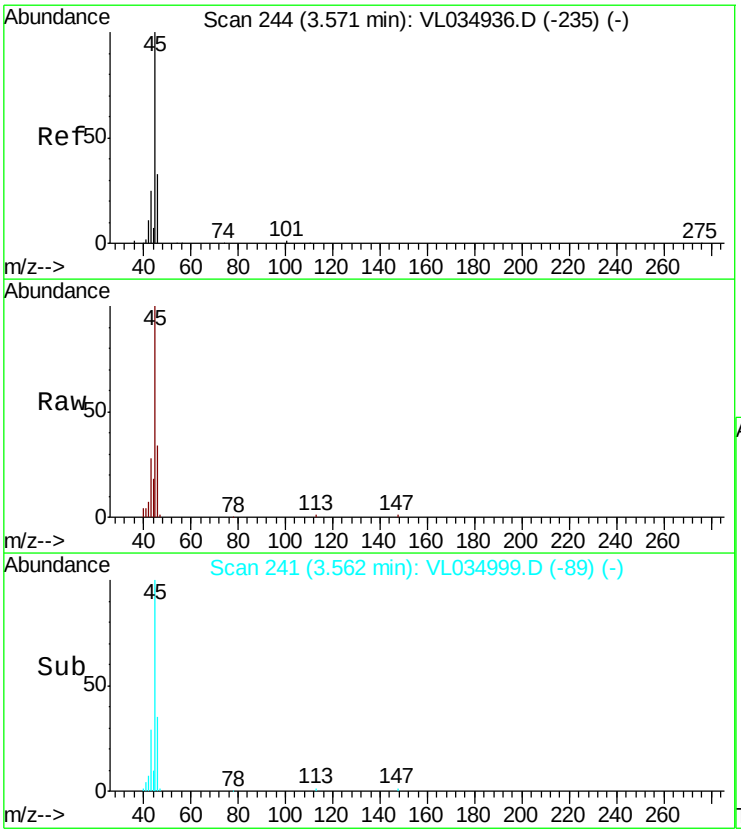
#11
Trichlorofluoromethane
Concen: 0.130 ppbv
RT: 3.91 min Scan# 348
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion:101 Resp: 19527

Ion	Ratio	Lower	Upper
101	100		
103	58.0	51.9	77.9

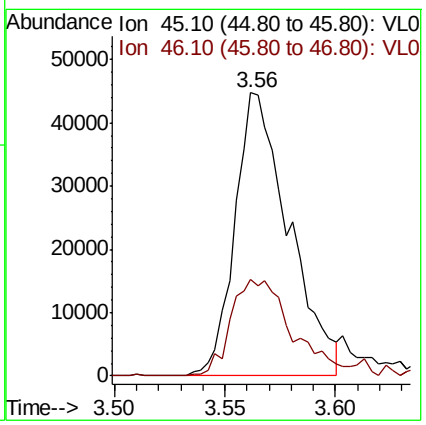


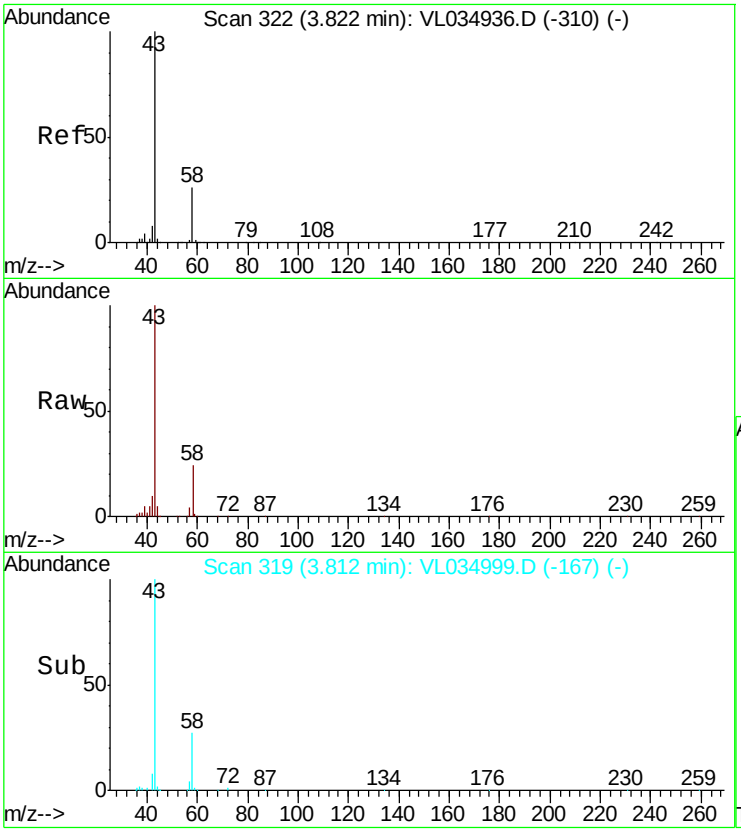


#13
Ethanol
Concen: 4.525 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 45 Resp: 76217

Ion	Ratio	Lower	Upper
45	100		
46	40.5	14.3	57.3



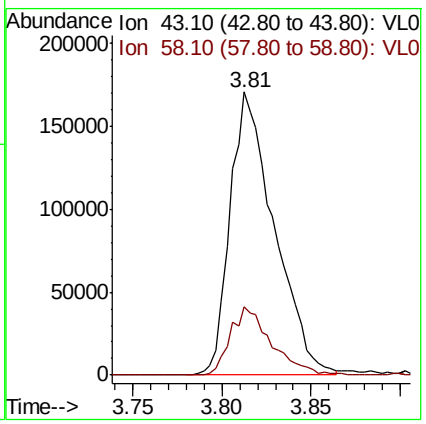


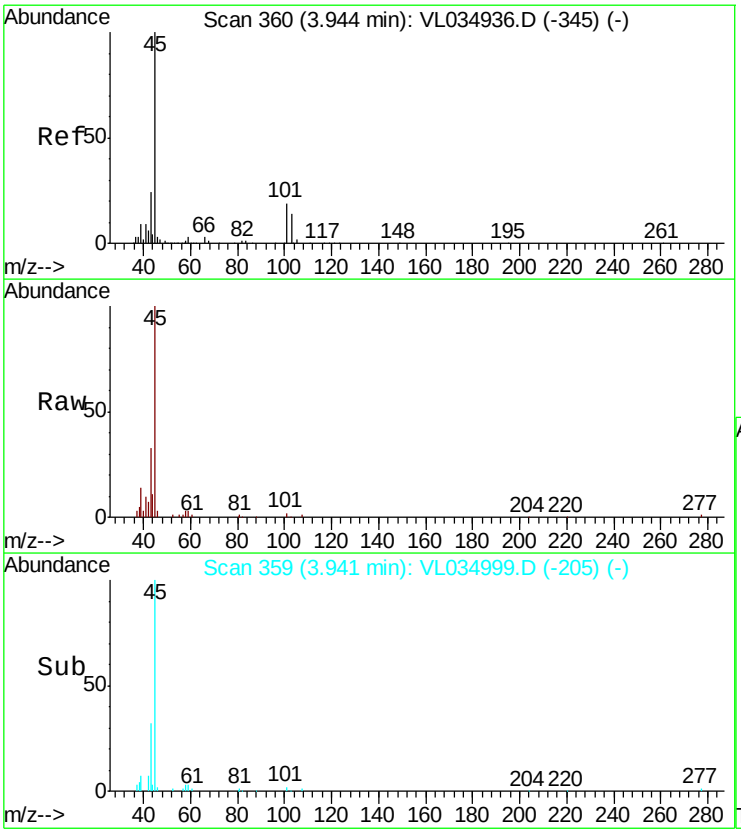
#15
Acetone
Concen: 2.164 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 43 Resp: 294825

Ion	Ratio	Lower	Upper
43	100		
58	22.5	21.7	32.5

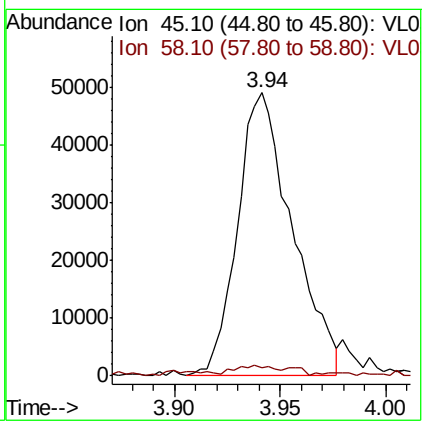


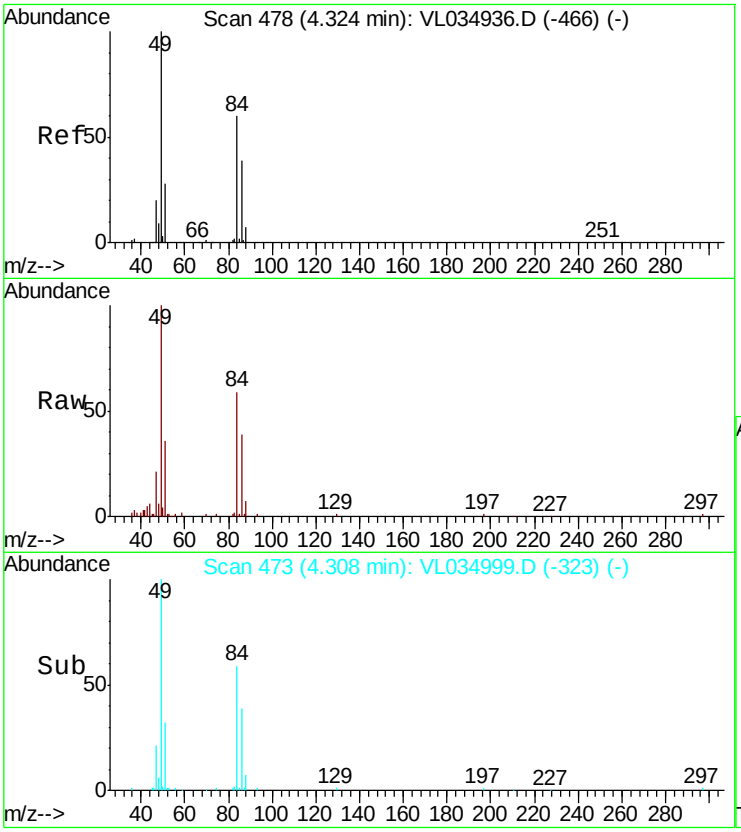


#19
Isopropyl Alcohol
Concen: 0.972 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.00 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 45 Resp: 88296

Ion	Ratio	Lower	Upper
45	100		
58	6.0	1.7	2.5#



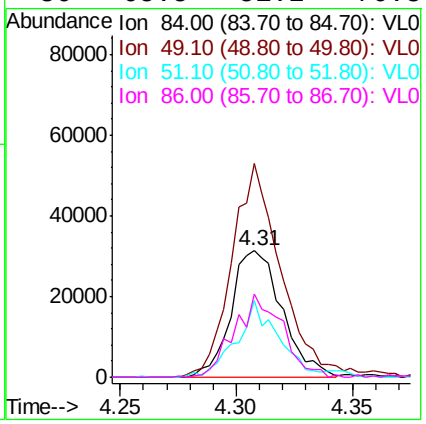


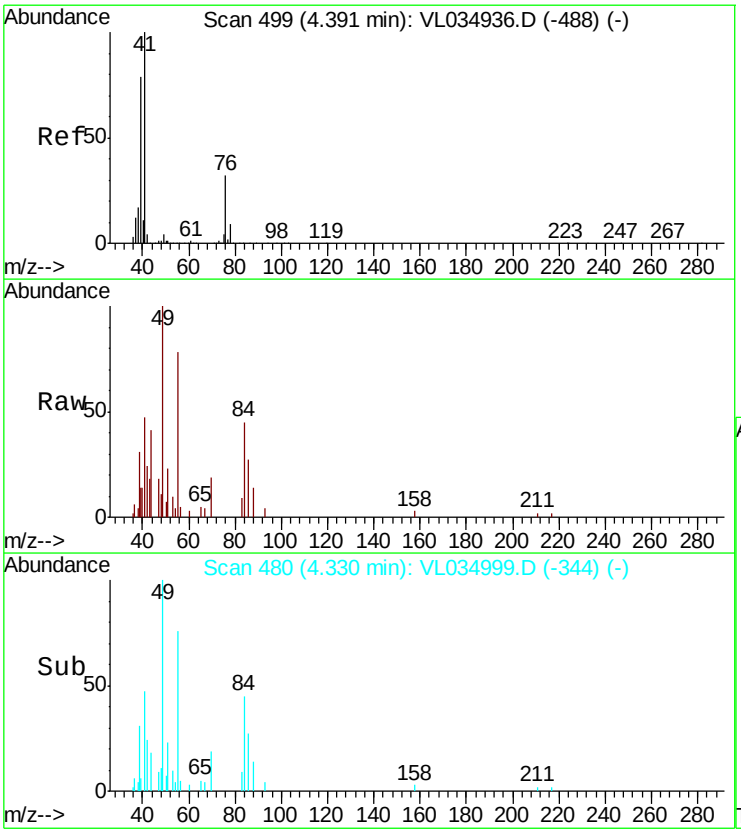
#20
Methylene Chloride
Concen: 1.061 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 84 Resp: 47824

Ion	Ratio	Lower	Upper
84	100		
49	167.1	132.5	198.7
51	59.3	38.4	57.6#
86	65.5	51.2	76.8

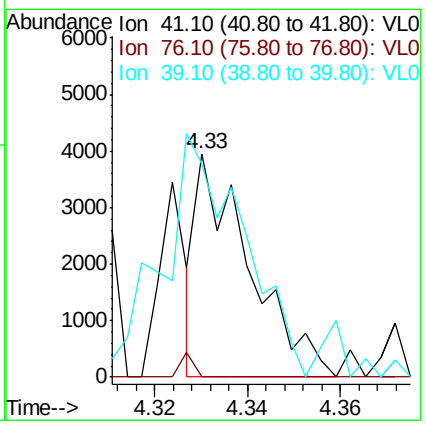


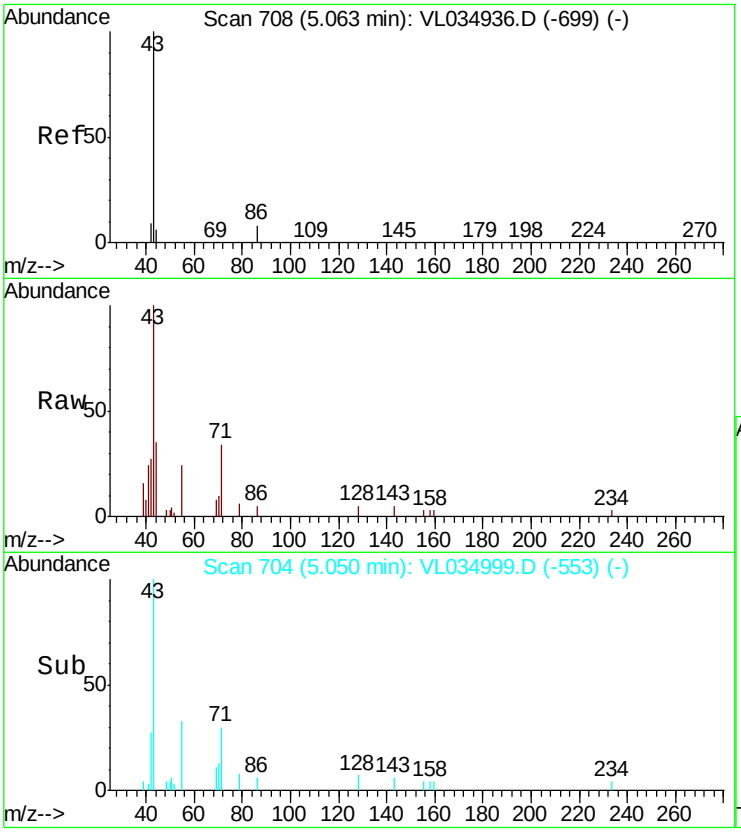


#21
Allyl Chloride
Concen: 0.041 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.06 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 41 Resp: 3149

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.6	35.4#
39	193.6	61.9	92.9#



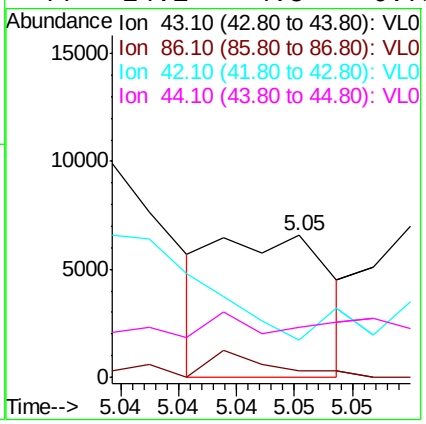


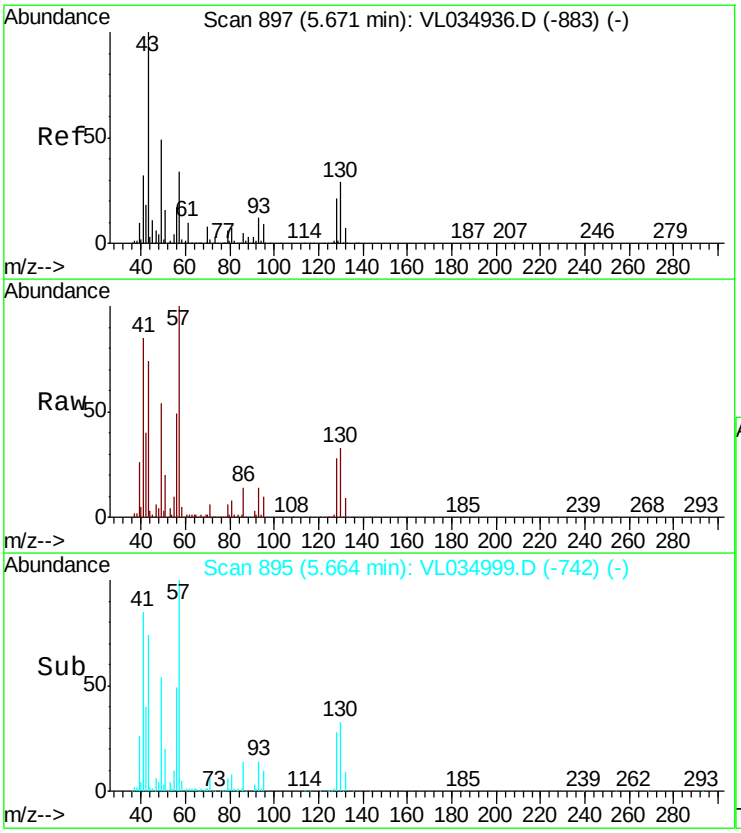
#23
Vinyl Acetate
Concen: 0.026 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 43 Resp: 4493

Ion	Ratio	Lower	Upper
43	100		
86	14.7	5.5	8.3#
42	0.0	8.0	12.0#
44	24.1	4.5	6.7#

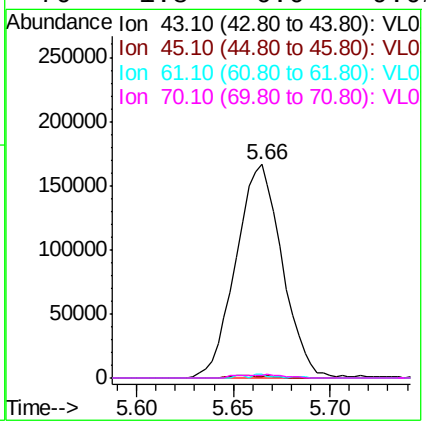


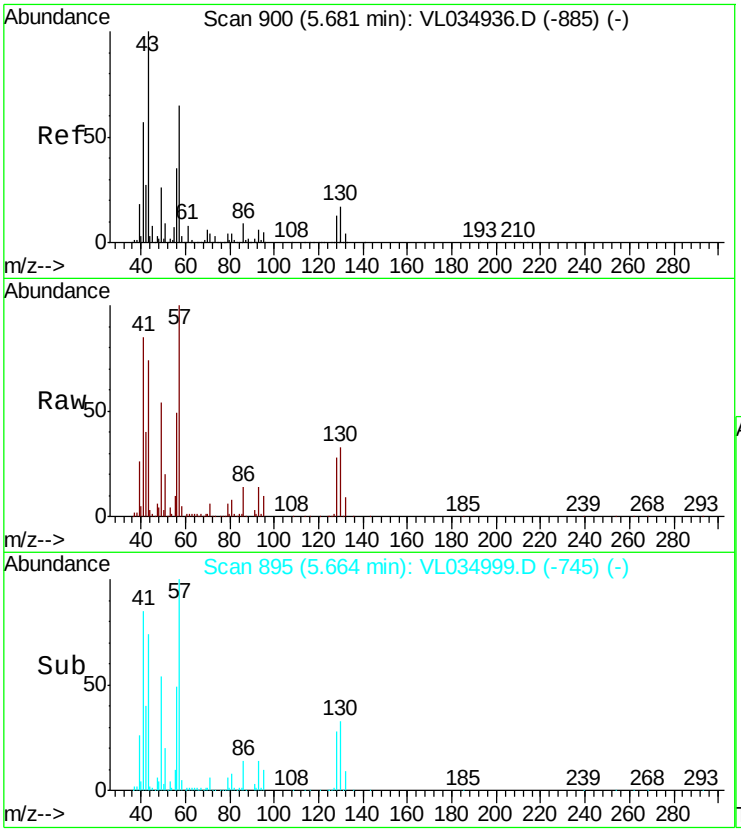


#25
Ethyl Acetate
Concen: 1.204 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 43 Resp: 275575

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.1	12.1#
61	1.2	7.8	11.8#
70	1.8	6.0	9.0#



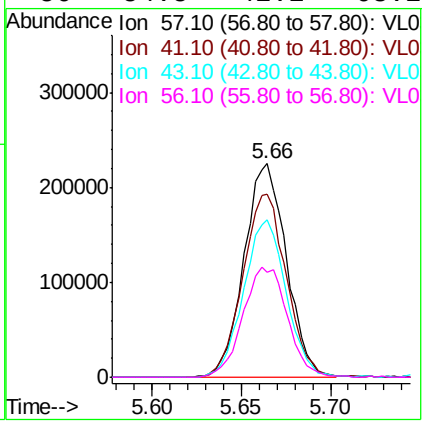


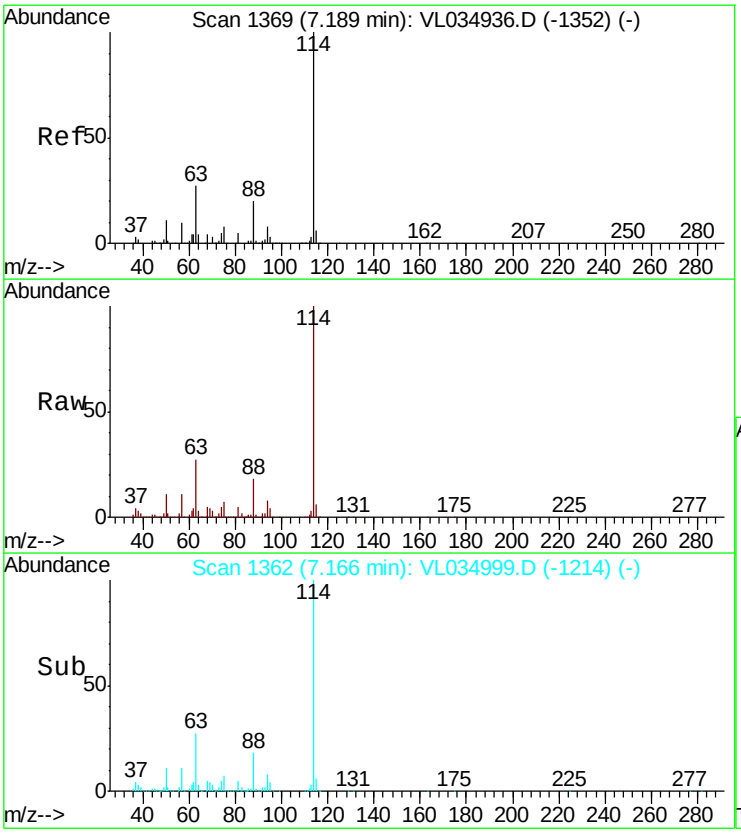
#26
Hexane
Concen: 3.755 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 57 Resp: 372516

Ion	Ratio	Lower	Upper
57	100		
41	88.5	72.7	109.1
43	74.9	182.1	273.1#
56	54.5	42.2	63.2

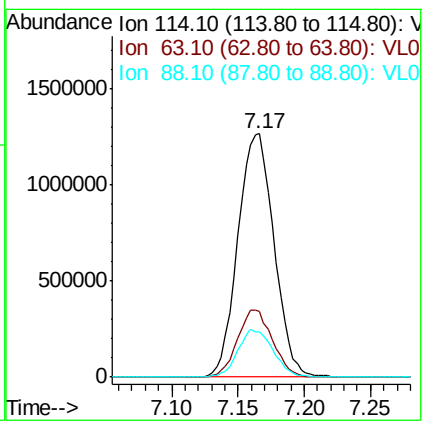


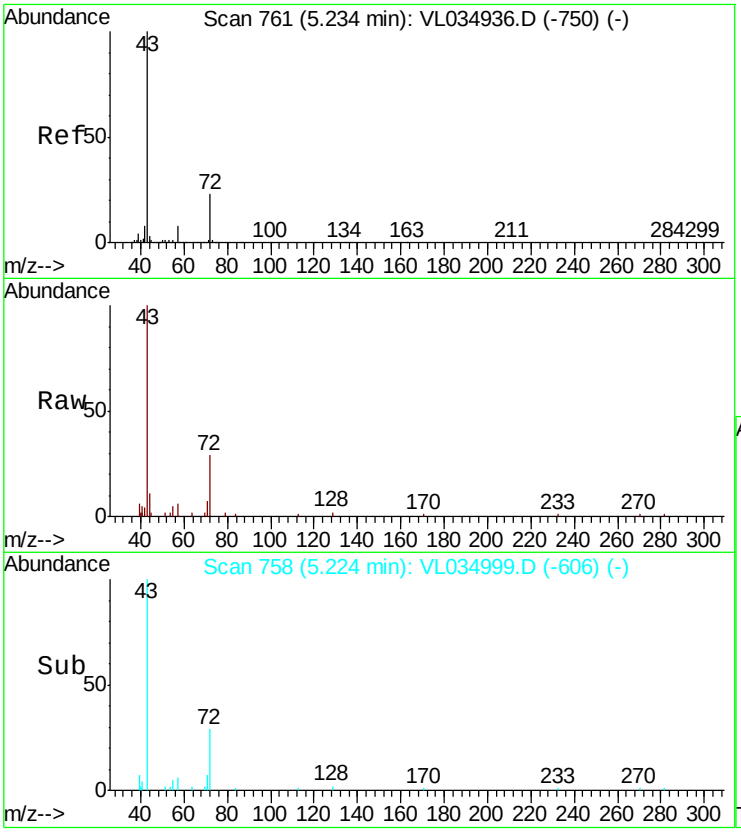


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion:114 Resp: 2404650

Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.2	33.4
88	19.1	15.5	23.3



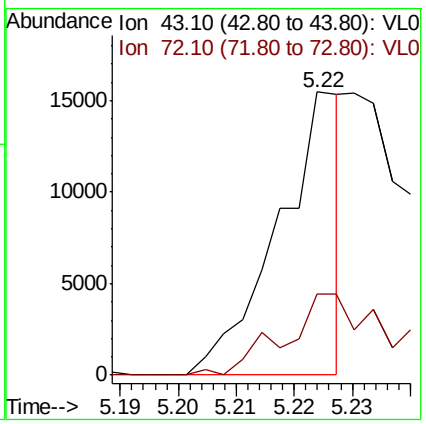


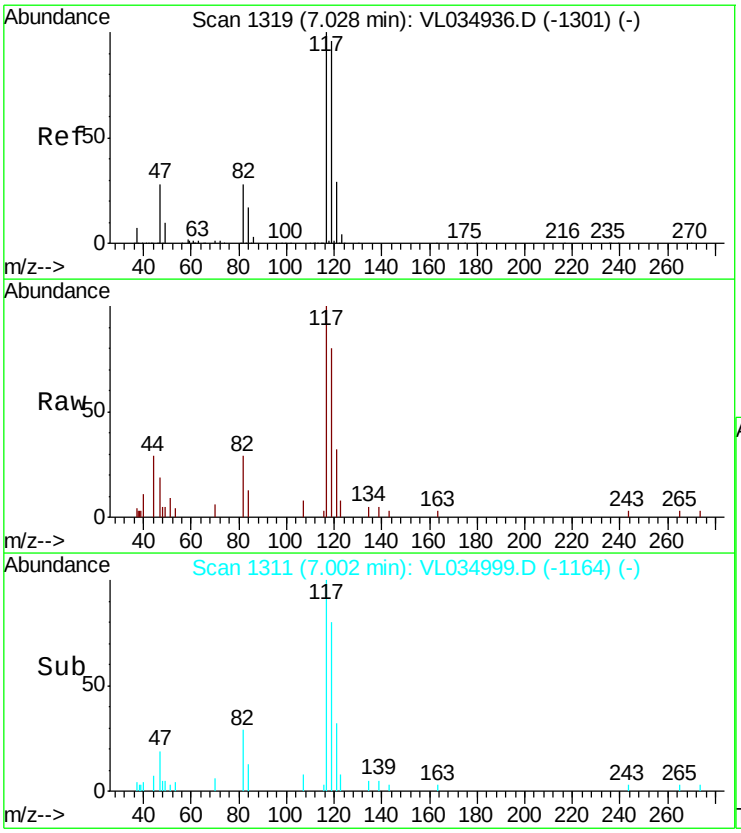
#34
2-Butanone
Concen: 0.079 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.01 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 43 Resp: 11772

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.0	27.0#

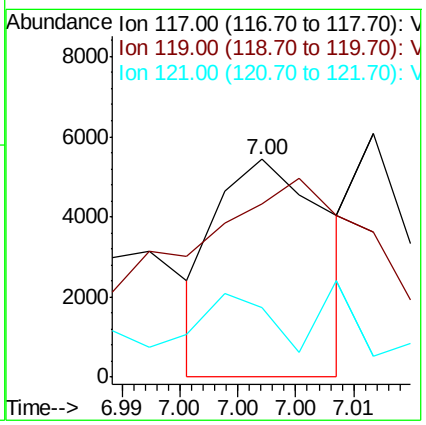


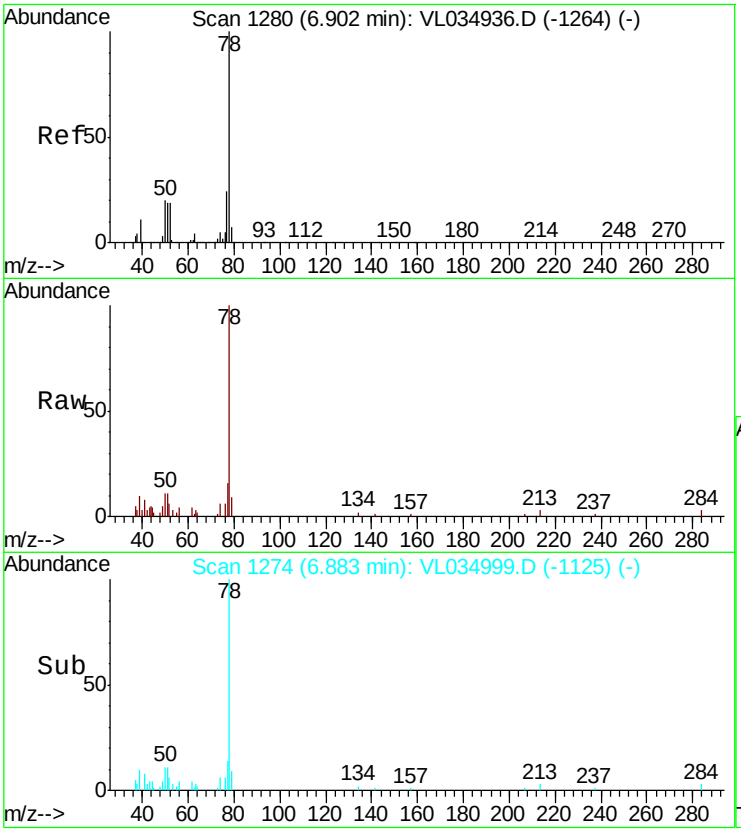


#35
Carbon Tetrachloride
Concen: 0.024 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.03 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion:117 Resp: 3601

Ion	Ratio	Lower	Upper
117	100		
119	43.8	77.0	115.6#
121	21.7	23.0	34.6#



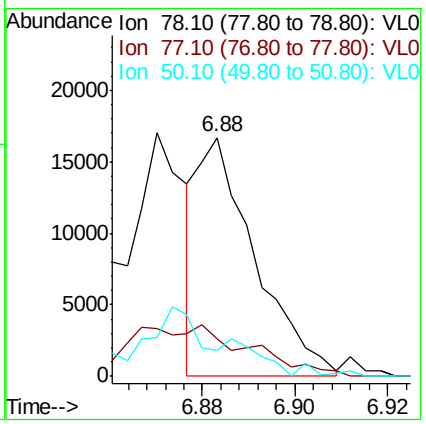


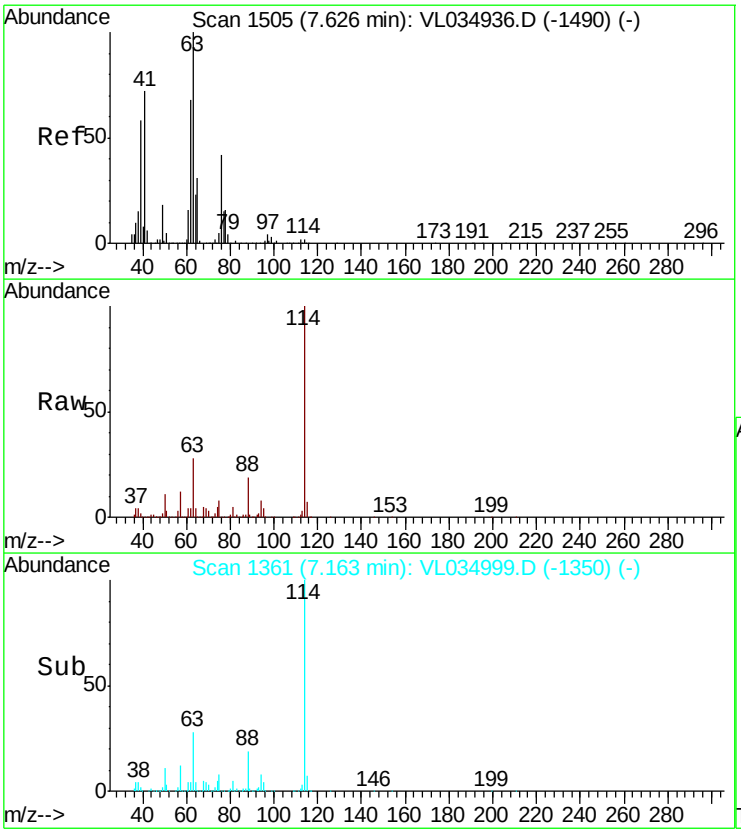
#36
Benzene
Concen: 0.072 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 78 Resp: 14279

Ion	Ratio	Lower	Upper
78	100		
77	11.0	19.0	28.6#
50	9.9	15.8	23.8#

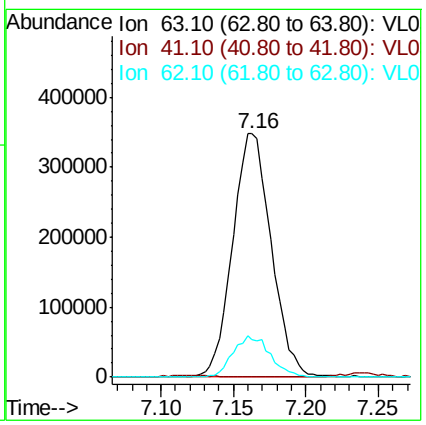


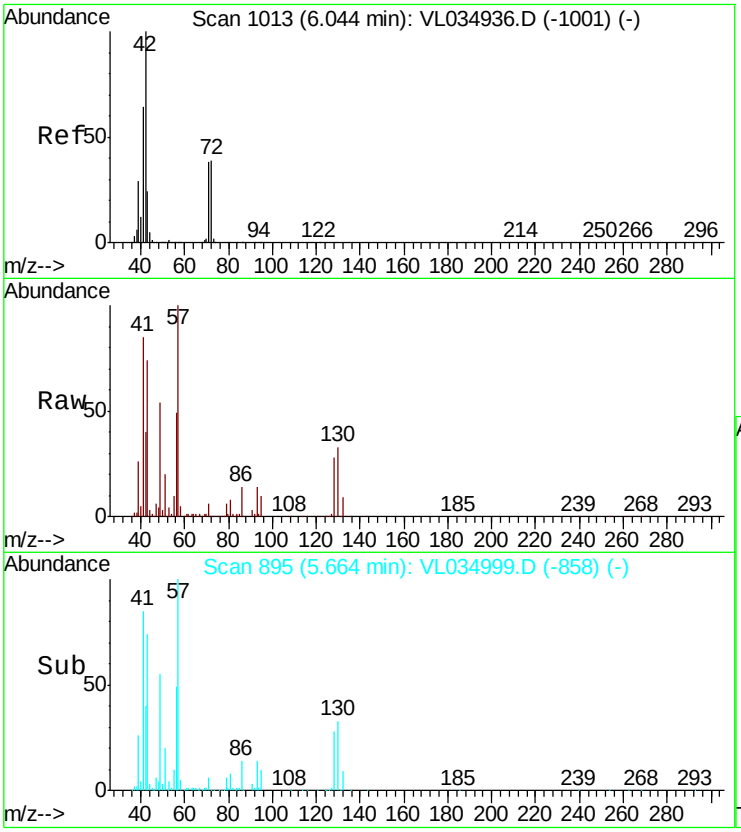


#39
1,2-Dichloropropane
Concen: 8.085 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.46 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 63 Resp: 642533

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	15.3	54.2	81.2#



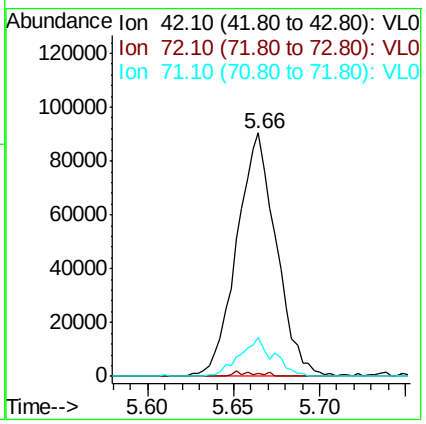


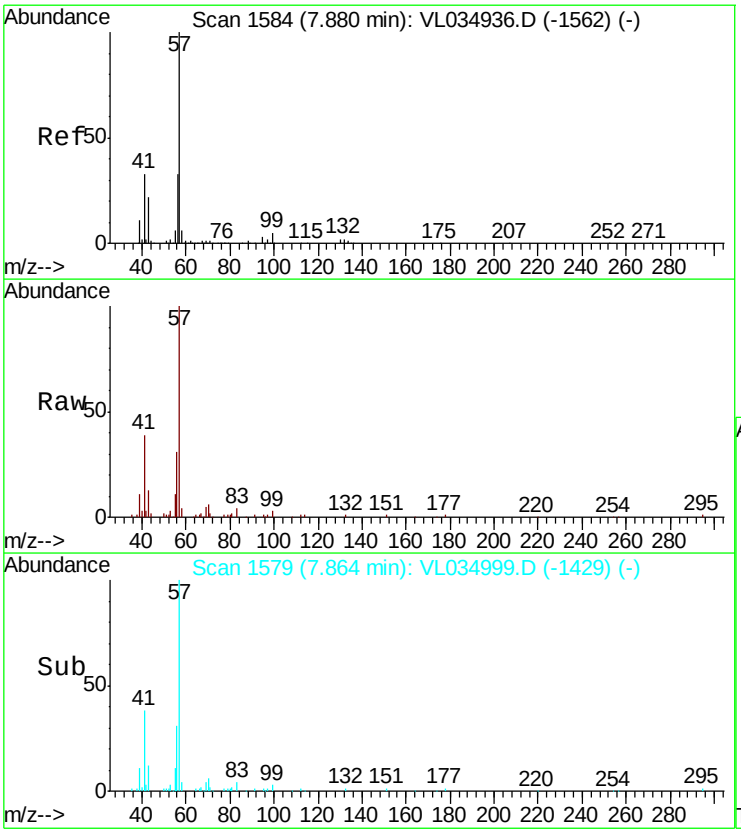
#41
Tetrahydrofuran
Concen: 1.835 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.38 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 42 Resp: 144426

Ion	Ratio	Lower	Upper
42	100		
72	1.3	31.4	47.0#
71	14.1	29.8	44.8#

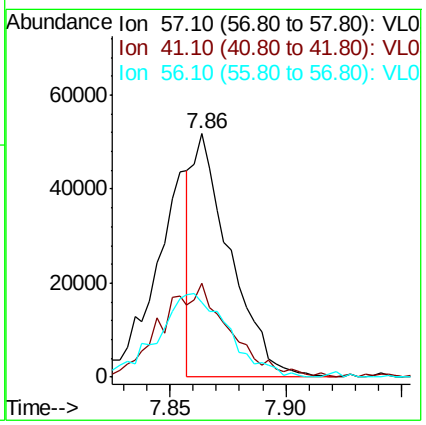


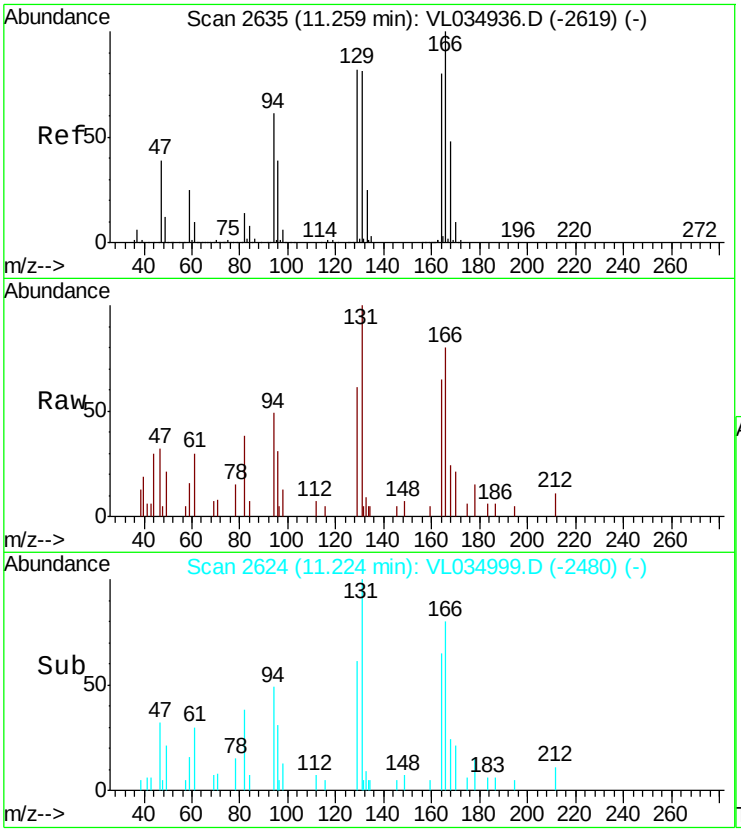


#44
2,2,4-Trimethylpentane
Concen: 0.165 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 57 Resp: 58019

Ion	Ratio	Lower	Upper
57	100		
41	66.4	26.4	39.6#
56	66.9	25.5	38.3#



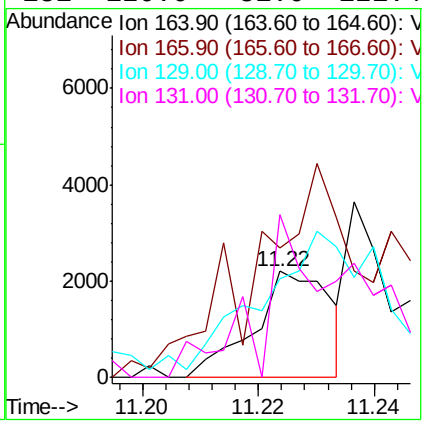


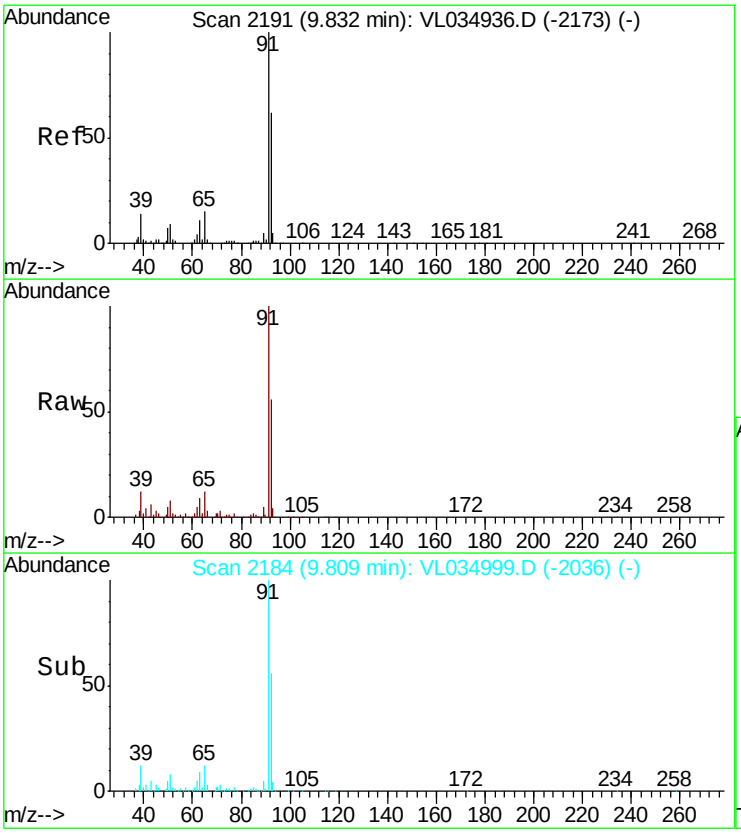
#52
Tetrachloroethene
Concen: 0.029 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.04 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion:164 Resp: 2017

Ion	Ratio	Lower	Upper
164	100		
166	84.2	100.7	151.1#
129	86.6	83.0	124.4
131	120.0	81.0	121.4

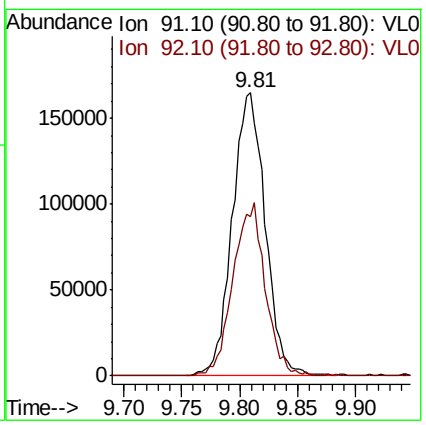


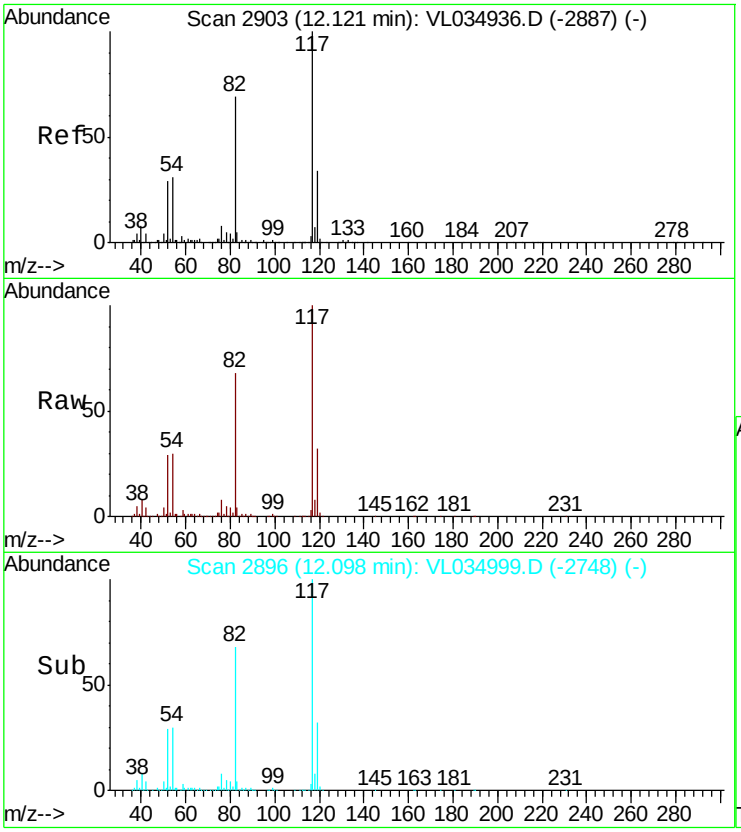


#53
Toluene
Concen: 1.546 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 91 Resp: 324825

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.6	73.0



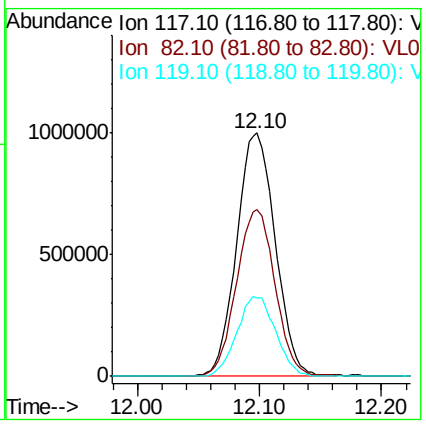


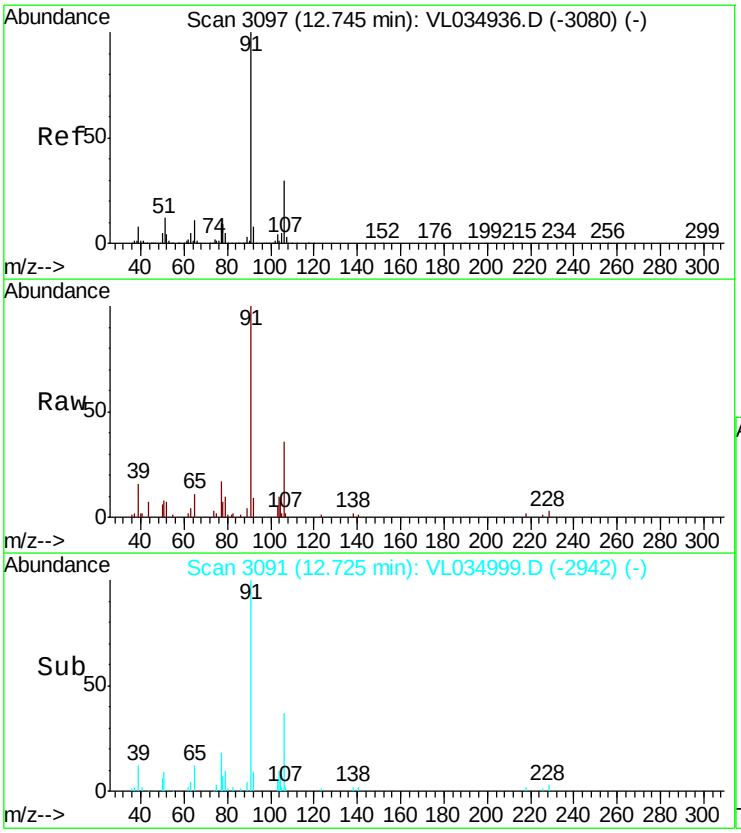
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion:117 Resp: 2184463

Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.1	79.7
119	33.0	26.7	40.1

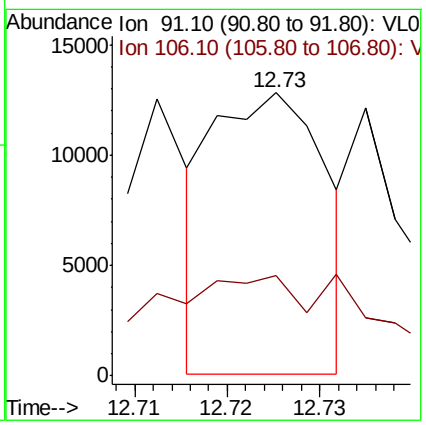


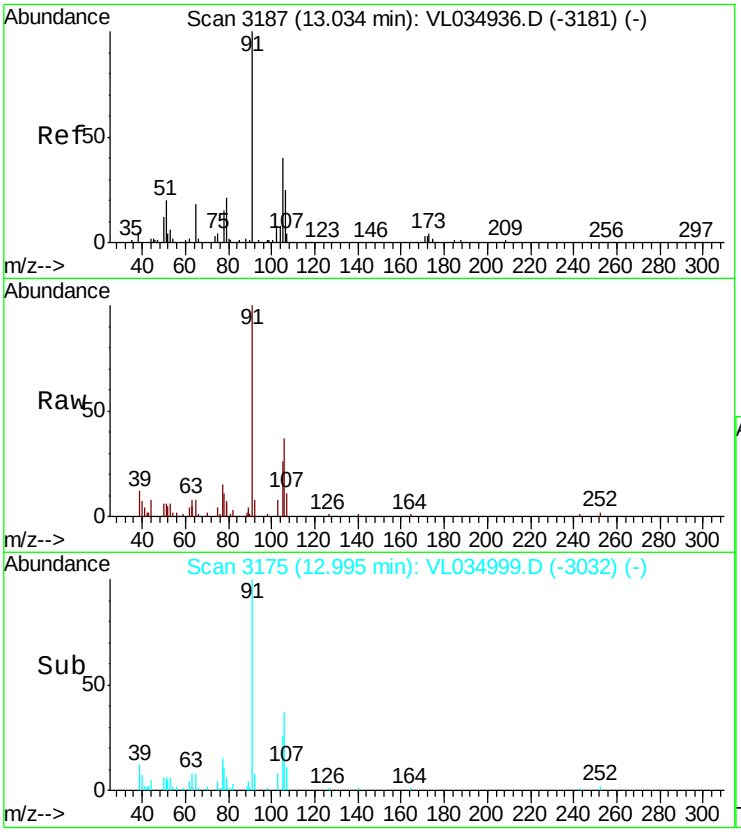


#58
Ethyl Benzene
Concen: 0.040 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 91 Resp: 10732

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4



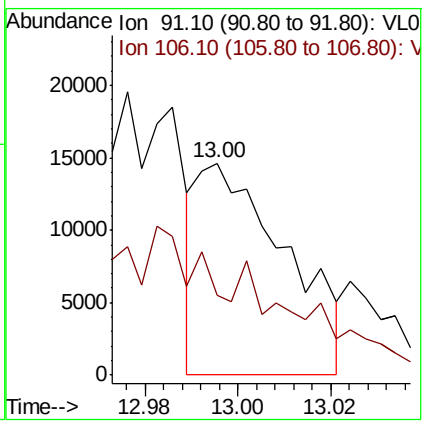


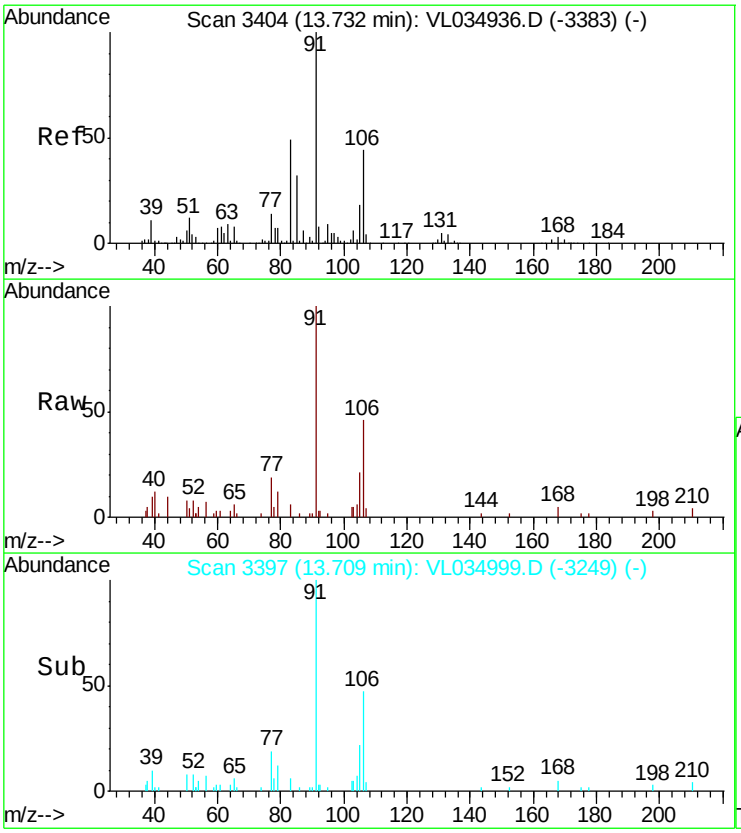
#59
m/p-Xylene
Concen: 0.081 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.04 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument : MSVOA_L
ClientSampleId : AA-1

Tgt Ion: 91 Resp: 19348

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#

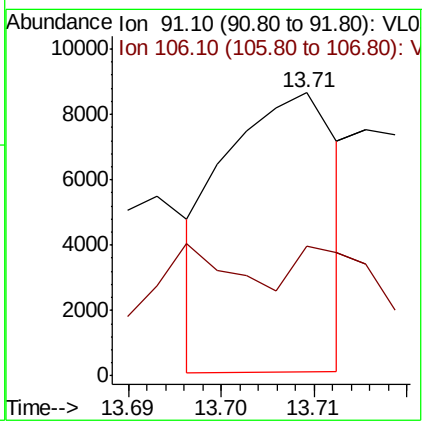


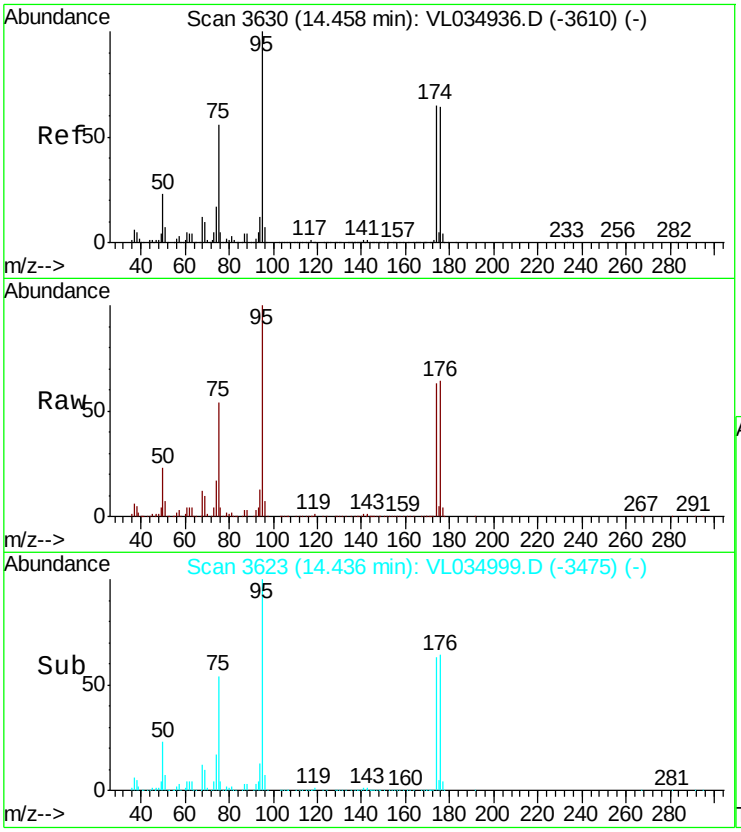


#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Tgt Ion: 91 Resp: 7236

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.152 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.02 min
Lab File: VL034999.D
Acq: 12 May 2020 22:57

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 95 Resp: 1795016

Ion	Ratio	Lower	Upper
95	100		
174	66.3	51.5	77.3
175	5.1	3.8	5.8