Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034612.D
Acq On : 6 Feb 2020 23:39
Operator : SY/AP
Sample : L1435-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-8

Quant Time: Feb 10 09:50:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	943329	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	1941856	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	1892432	10.00	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1669472	10.44	ppbv	0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	102757m	0.495	ppbv	
3) Chlorodifluoromethane	2.97	51	27024m	0.237	ppbv	
4) Chloromethane	3.13	50	31300	0.449	ppbv	93
9) Propene	3.00	41	50143m	1.130	ppbv	
10) Heptane	8.17	43	21826m	0.195	ppbv	
11) Trichlorofluoromethane	3.95	101	44122	0.234	ppbv	99
13) Ethanol	3.63	45	10626408	893.898	ppbv	89
15) Acetone	3.84	43	2612363	18.843	ppbv	99
19) Isopropyl Alcohol	4.00	45	2095078m	25.895	ppbv	
20) Methylene Chloride	4.35	84	94408	1.788	ppbv	93
26) Hexane	5.71	57	91091	0.969	ppbv	95
29) Chloroform	5.78	83	24361	0.147	ppbv	85
34) 2-Butanone	5.27	43	26083m	0.185	ppbv	
35) Carbon Tetrachloride	7.06	117	11059m	0.060	ppbv	
36) Benzene	6.93	78	72093m	0.417	ppbv	
38) Trichloroethene	7.89	130	2971m	0.041	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	50790m	0.162	ppbv	
52) Tetrachloroethene	11.29	164	128834	1.857	ppbv	93
53) Toluene	9.86	91	460127	2.425	ppbv	100
58) Ethyl Benzene	12.78	91	38775	0.153	ppbv	97
59) m/p-Xylene	13.04	91	121732m	0.544	ppbv	
60) o-Xylene	13.76	91	39320m	0.175	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	35706m	0.134	ppbv	

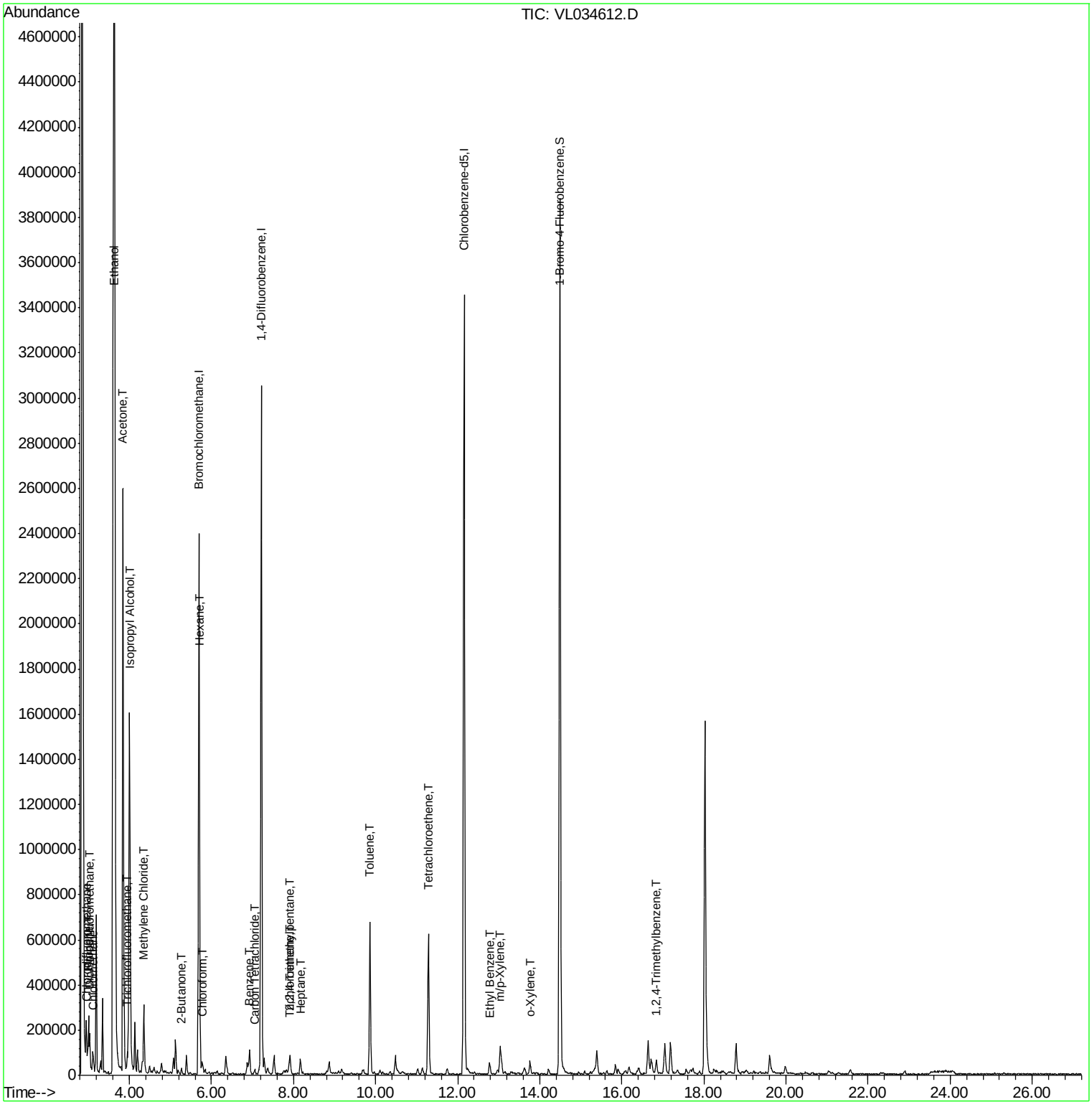
(#) = qualifier out of range (m) = manual integration (+) = signals summed

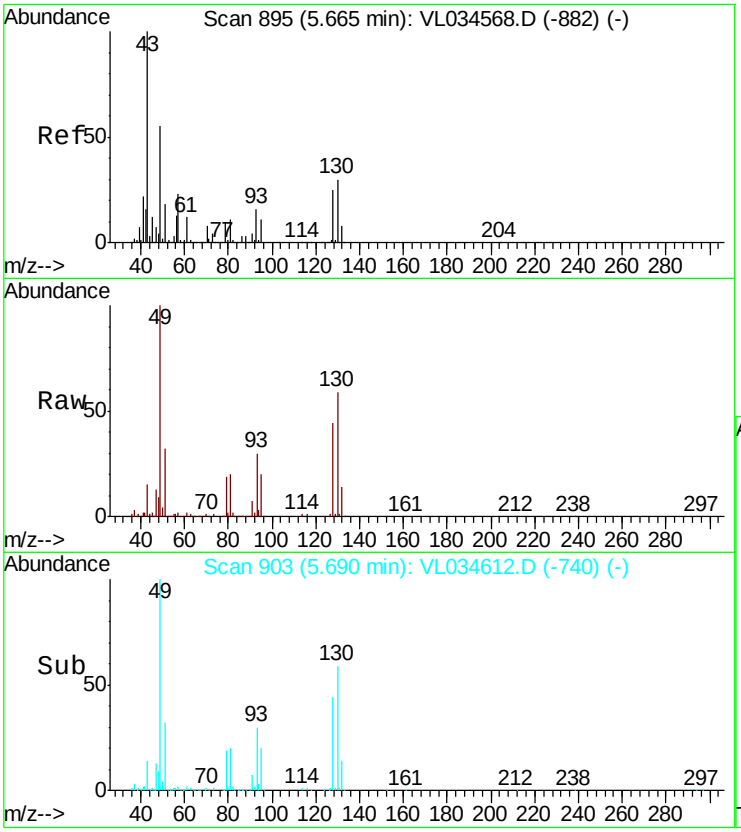
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034612.D
Acq On : 6 Feb 2020 23:39
Operator : SY/AP
Sample : L1435-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-8

Quant Time: Feb 10 09:50:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



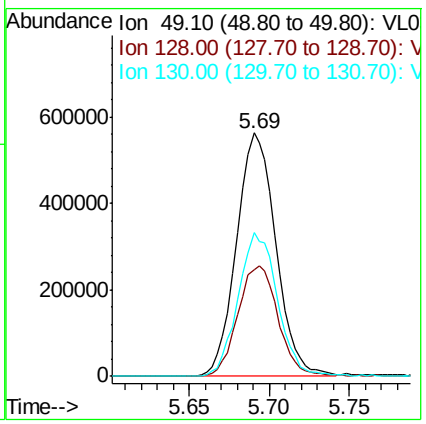


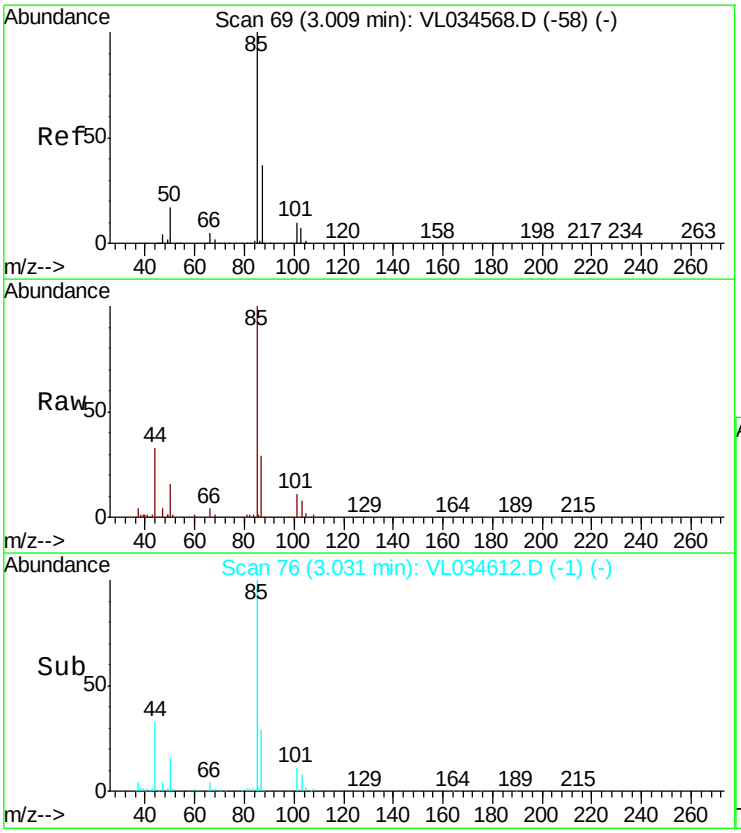
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion: 49 Resp: 943329

Ion	Ratio	Lower	Upper
49	100		
128	46.8	22.7	68.1
130	59.6	28.6	85.8

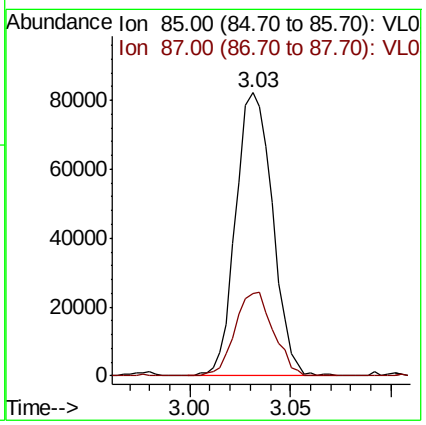


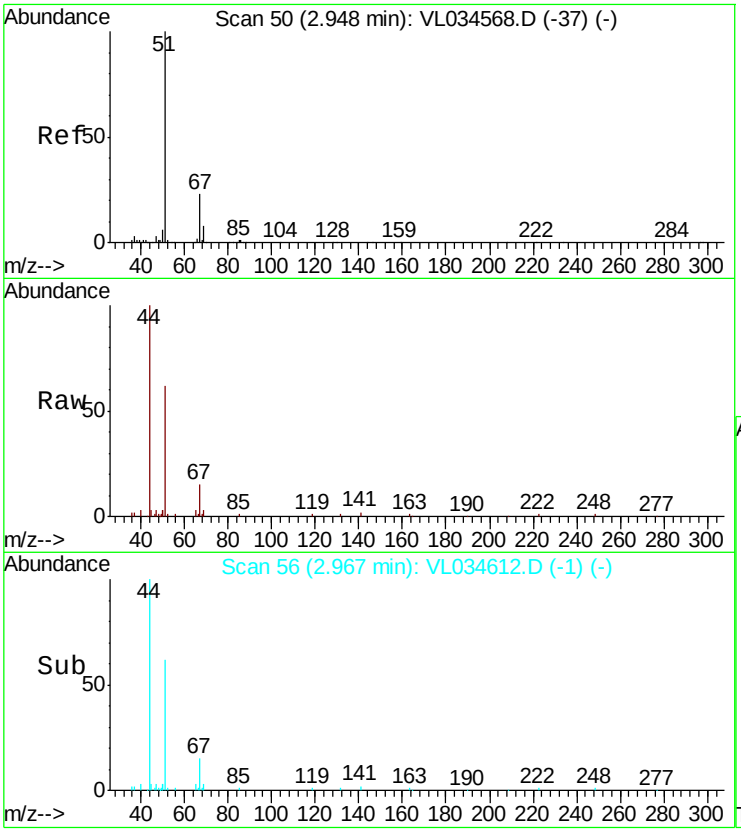


#2
Dichlorodifluoromethane
Concen: 0.495 ppbv m
RT: 3.03 min Scan# 76
Delta R.T. 0.02 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 85 Resp: 102757

Ion	Ratio	Lower	Upper
85	100		
87	29.3	29.5	44.3#



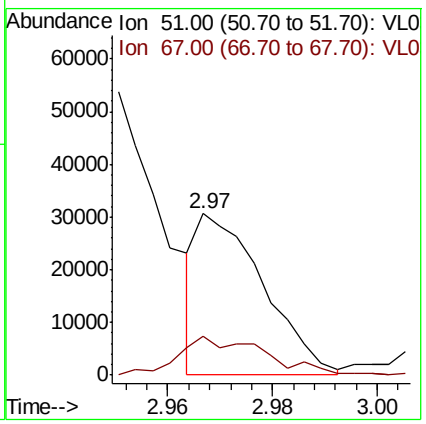


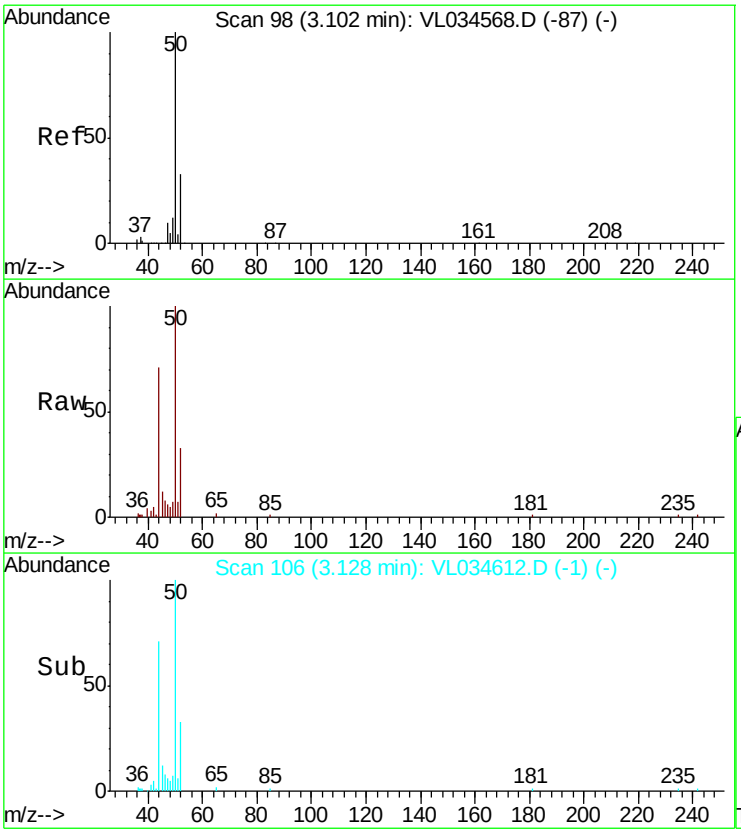
#3
Chlorodifluoromethane
Concen: 0.237 ppbv m
RT: 2.97 min Scan# 56
Delta R.T. 0.02 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion: 51 Resp: 27024

Ion	Ratio	Lower	Upper
51	100		
67	31.9	17.8	26.8#

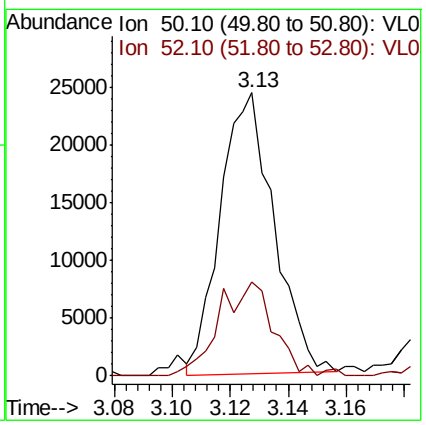


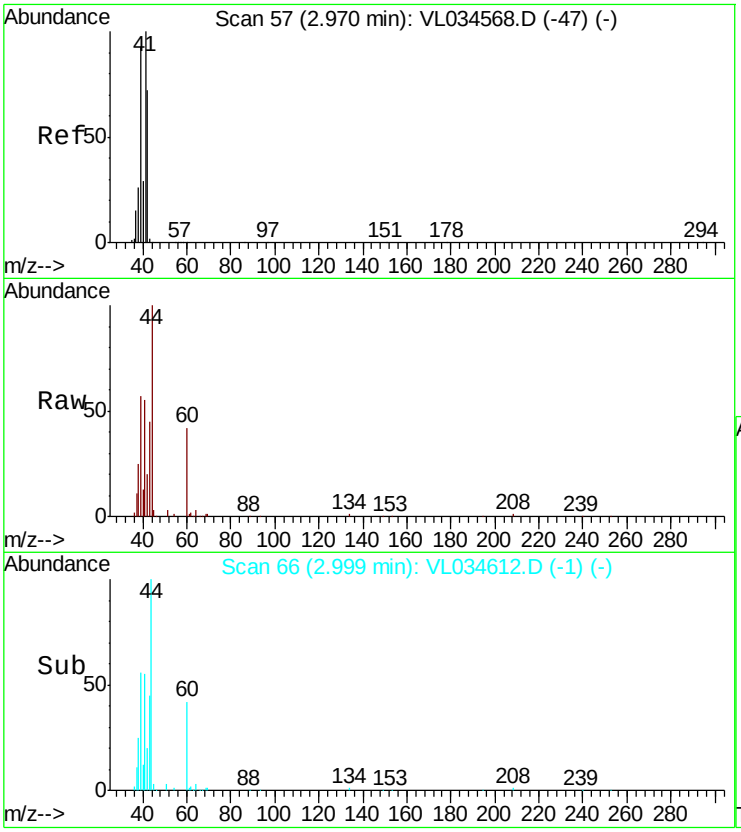


#4
Chloromethane
Concen: 0.449 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 50 Resp: 31300

Ion	Ratio	Lower	Upper
50	100		
52	29.1	26.6	39.8



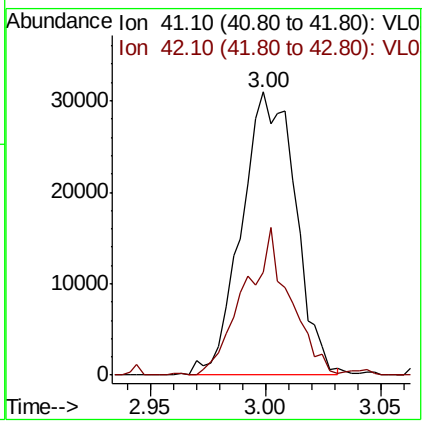


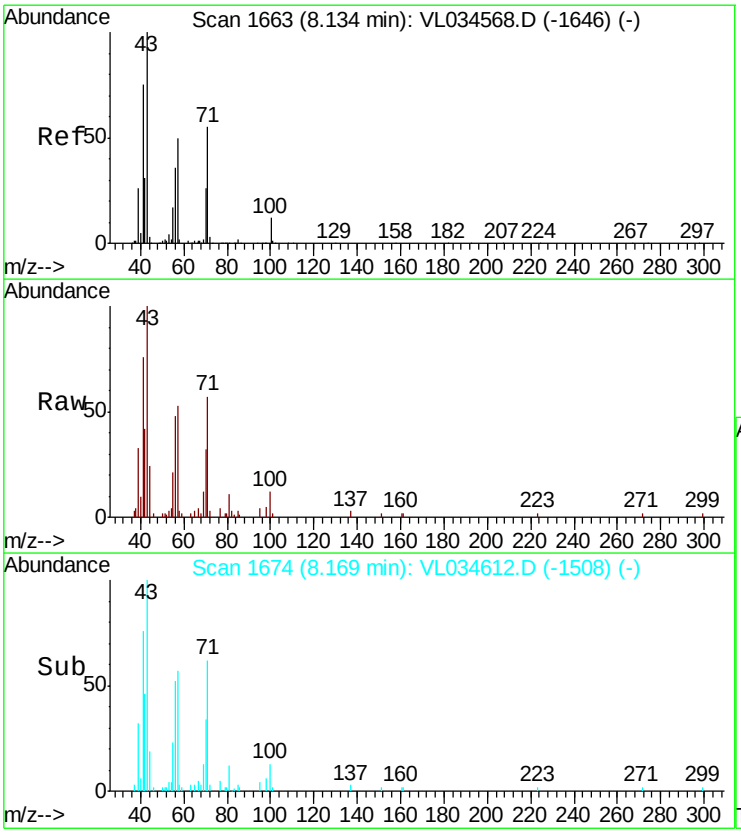
#9
Propene
Concen: 1.130 ppbv m
RT: 3.00 min Scan# 66
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion: 41 Resp: 50143

Ion	Ratio	Lower	Upper
41	100		
42	45.4	57.0	85.4#

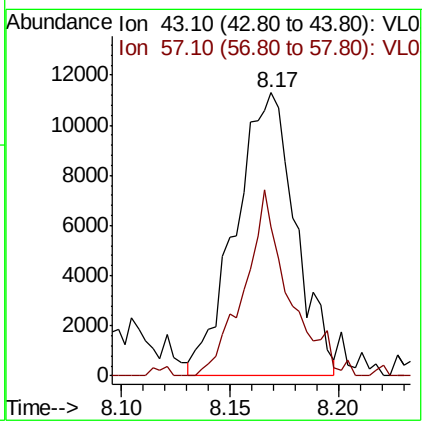


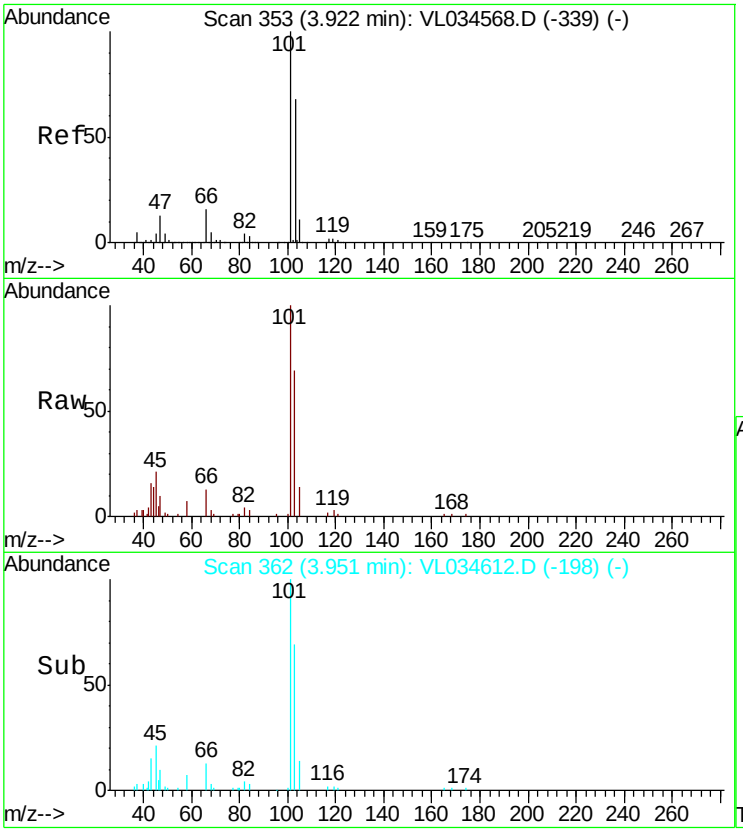


#10
Heptane
Concen: 0.195 ppbv m
RT: 8.17 min Scan# 1674
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 43 Resp: 21826

Ion	Ratio	Lower	Upper
43	100		
57	50.5	41.2	61.8



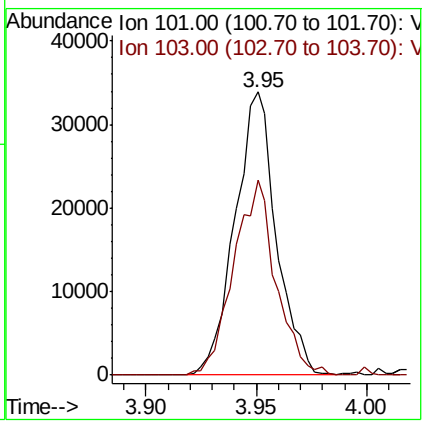


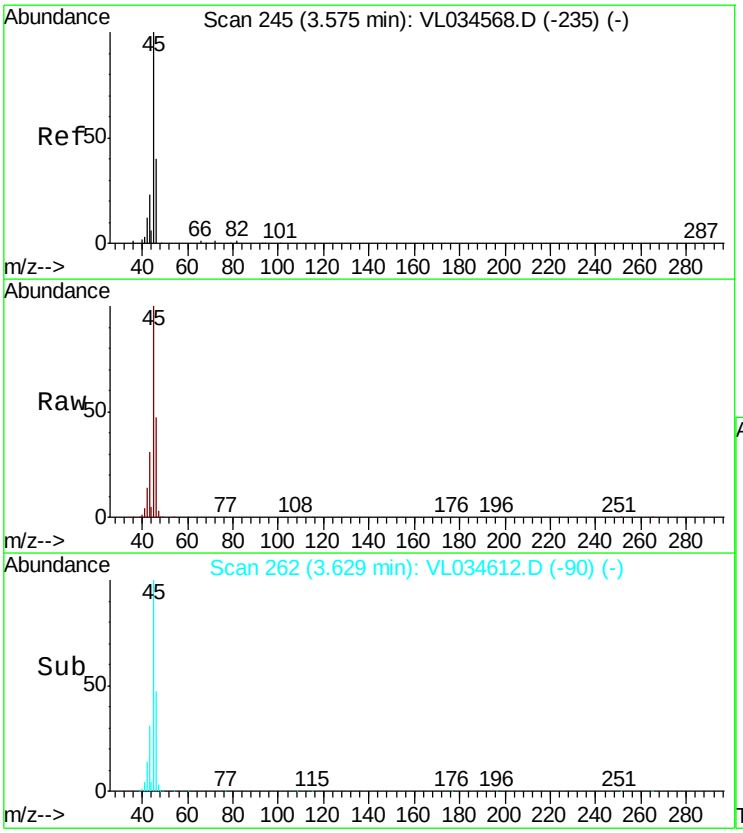
#11
Trichlorofluoromethane
Concen: 0.234 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion:101 Resp: 44122

Ion	Ratio	Lower	Upper
101	100		
103	68.9	54.4	81.6

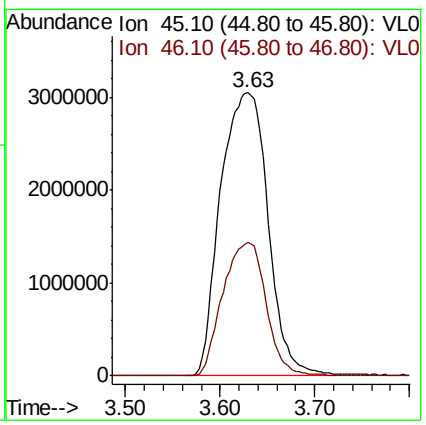


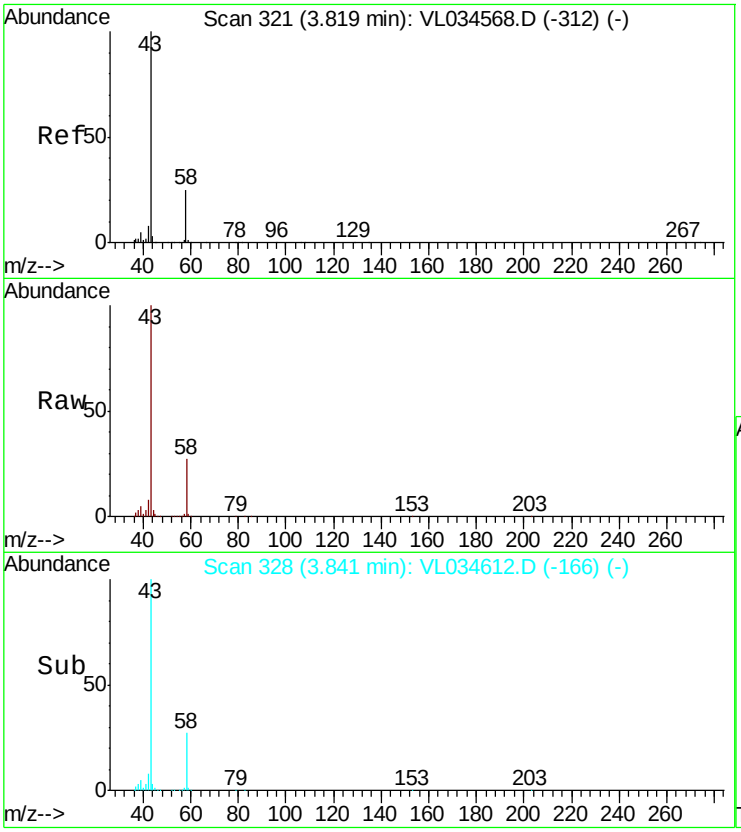


#13
Ethanol
Concen: 893.898 ppbv
RT: 3.63 min Scan# 262
Delta R.T. 0.05 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 45 Resp:10626408

Ion	Ratio	Lower	Upper
45	100		
46	43.3	14.8	59.2



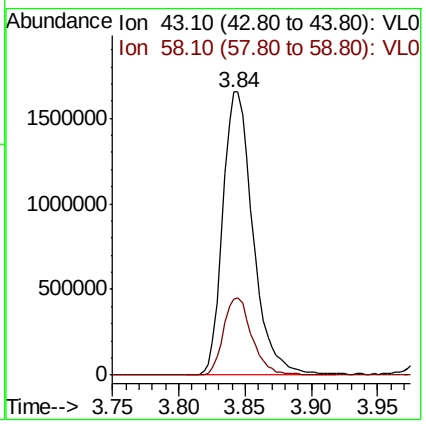


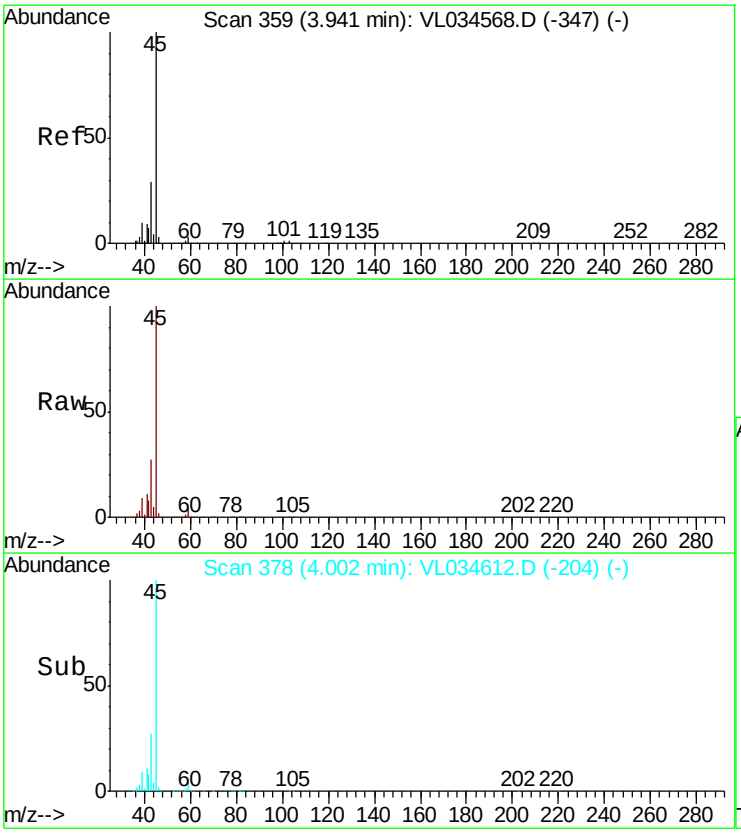
#15
Acetone
Concen: 18.843 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument : MSVOA_L
ClientSampleId : IA-8

Tgt Ion: 43 Resp: 2612363

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.3	30.5

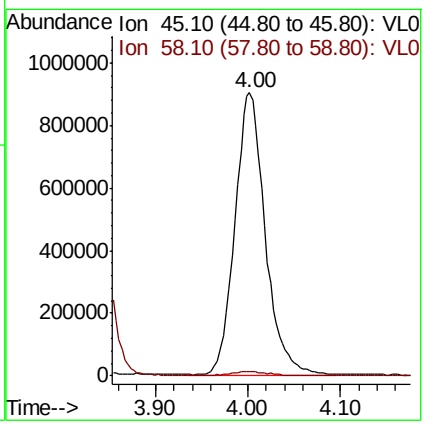


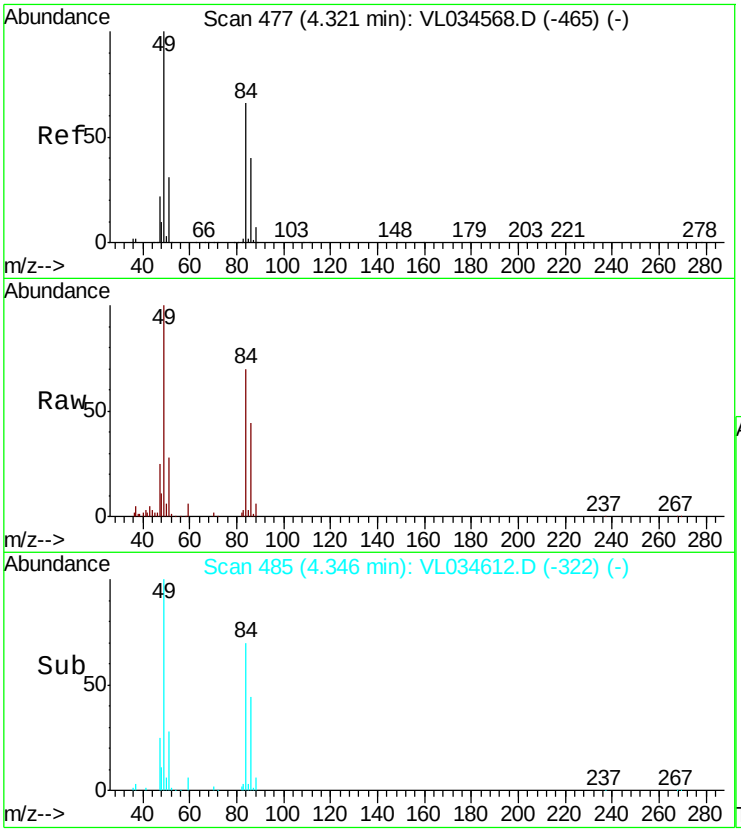


#19
Isopropyl Alcohol
Concen: 25.895 ppbv m
RT: 4.00 min Scan# 378
Delta R.T. 0.06 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 45 Resp: 2095078

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#



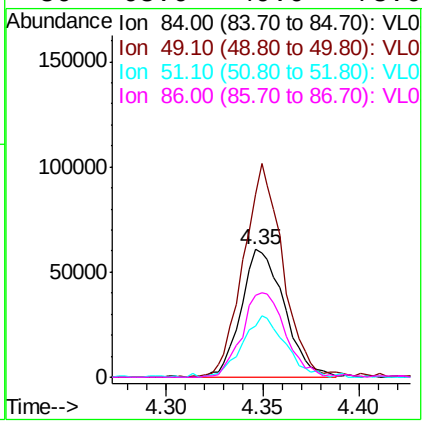


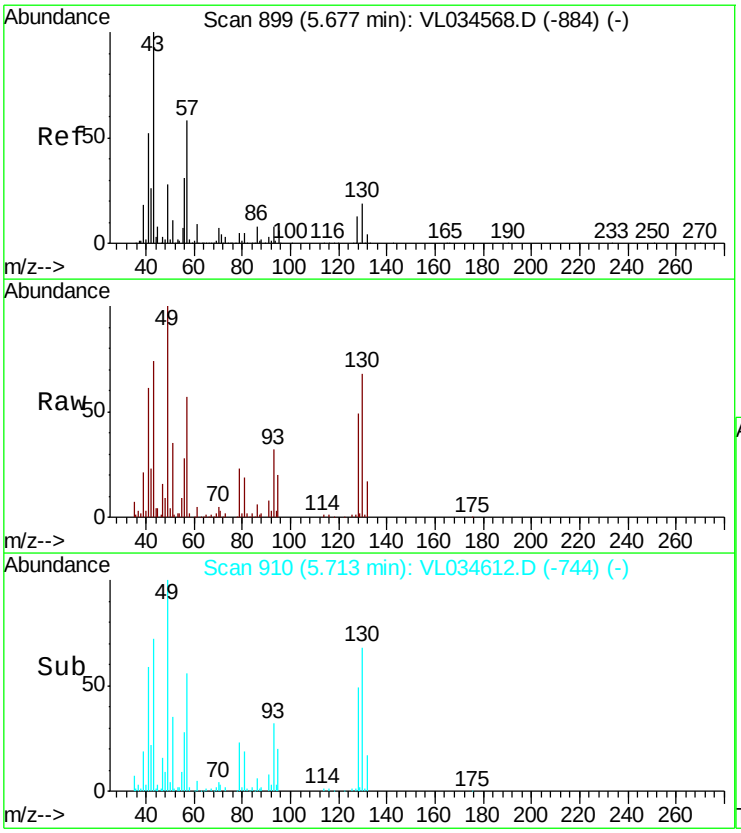
#20
Methylene Chloride
Concen: 1.788 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument : MSVOA_L
ClientSampleId : IA-8

Tgt Ion: 84 Resp: 94408

Ion	Ratio	Lower	Upper
84	100		
49	143.0	122.4	183.6
51	40.3	38.6	57.8
86	63.6	49.0	73.6

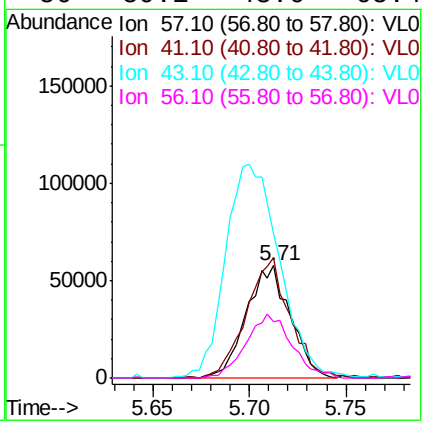


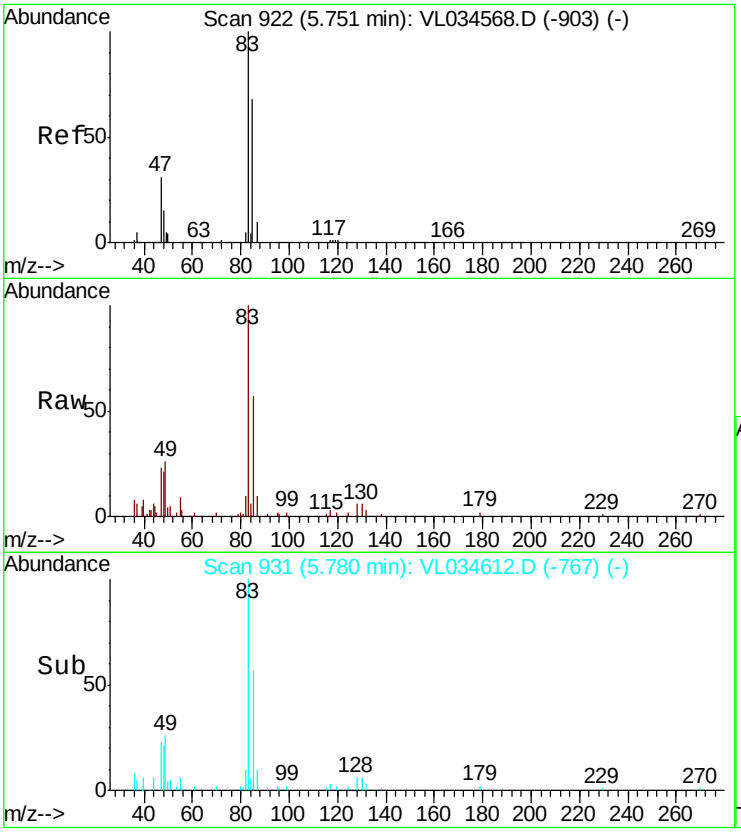


#26
Hexane
Concen: 0.969 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 57 Resp: 91091

Ion	Ratio	Lower	Upper
57	100		
41	107.1	76.2	114.2
43	235.1	189.9	284.9
56	59.1	43.6	65.4



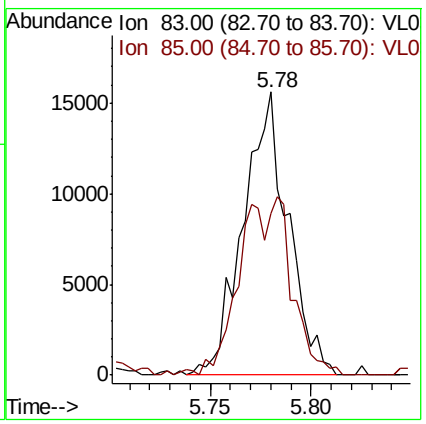


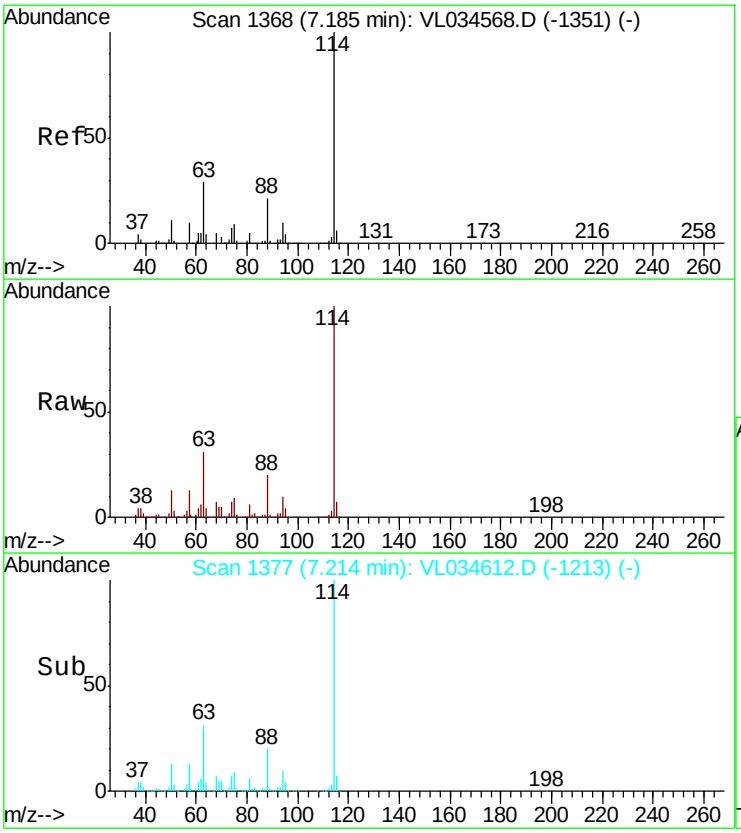
#29
Chloroform
Concen: 0.147 ppbv
RT: 5.78 min Scan# 931
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument : MSVOA_L
ClientSampleId : IA-8

Tgt Ion: 83 Resp: 24361

Ion	Ratio	Lower	Upper
83	100		
85	55.1	54.0	81.0

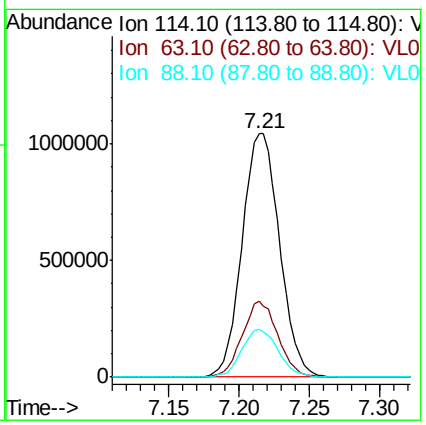


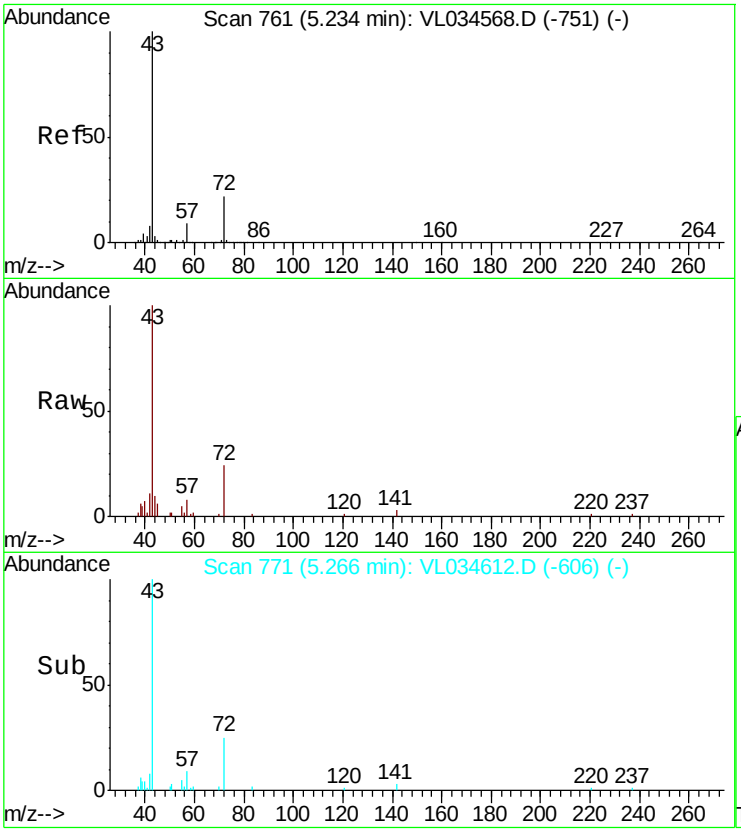


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion:114 Resp: 1941856

Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.1	15.9	23.9



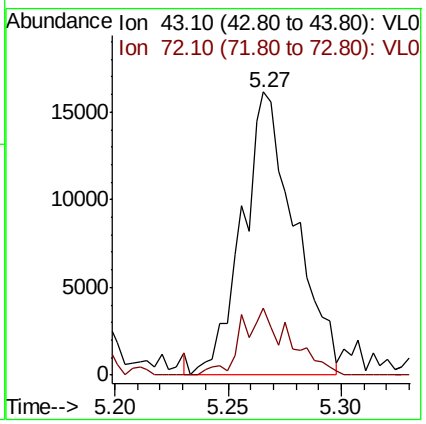


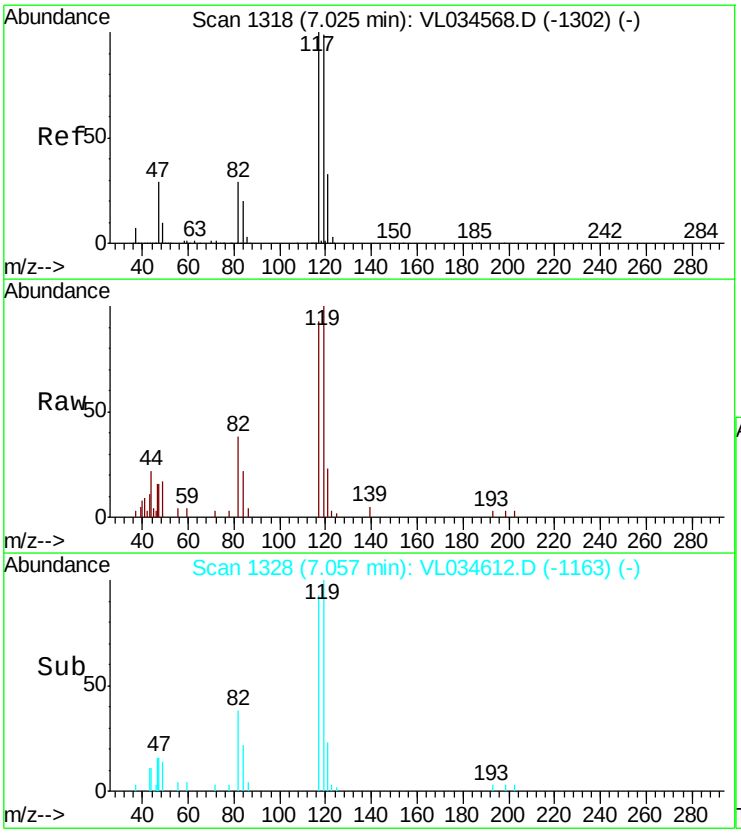
#34
2-Butanone
Concen: 0.185 ppbv m
RT: 5.27 min Scan# 771
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion: 43 Resp: 26083

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.2	25.8#

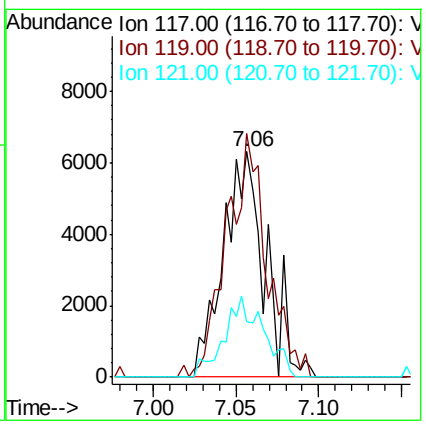


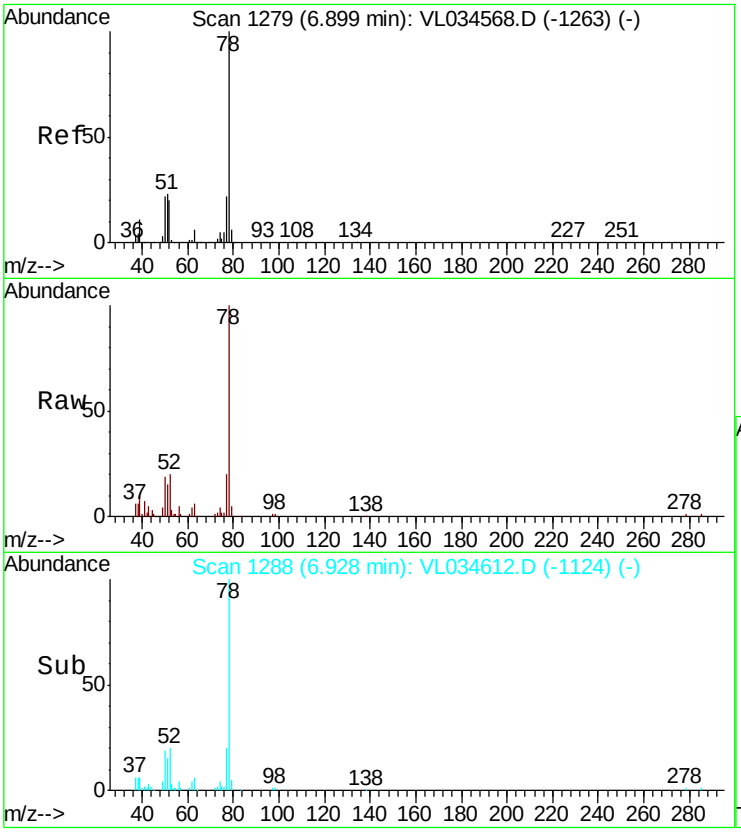


#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 7.06 min Scan# 1328
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion:117 Resp: 11059

Ion	Ratio	Lower	Upper
117	100		
119	107.9	79.5	119.3
121	24.4	26.2	39.2#



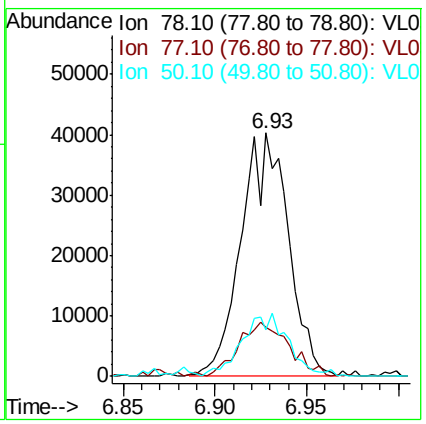


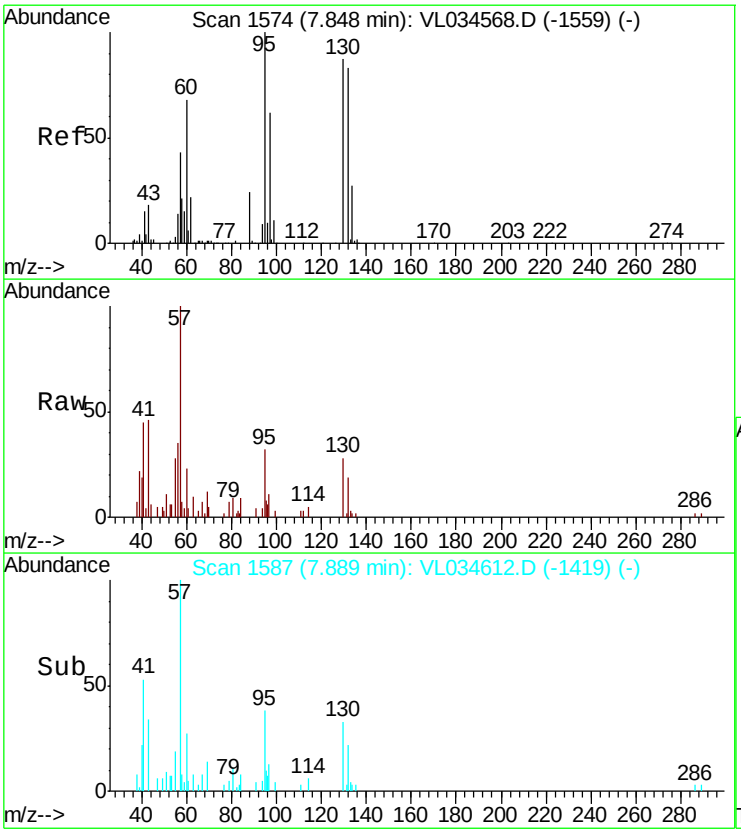
#36
Benzene
Concen: 0.417 ppbv m
RT: 6.93 min Scan# 1288
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument : MSVOA_L
ClientSampleId : IA-8

Tgt Ion: 78 Resp: 72093

Ion	Ratio	Lower	Upper
78	100		
77	20.0	17.3	25.9
50	18.8	17.4	26.2

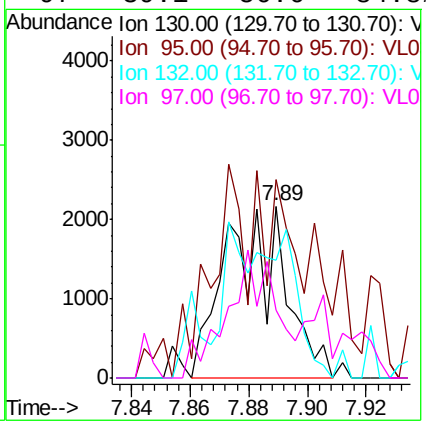


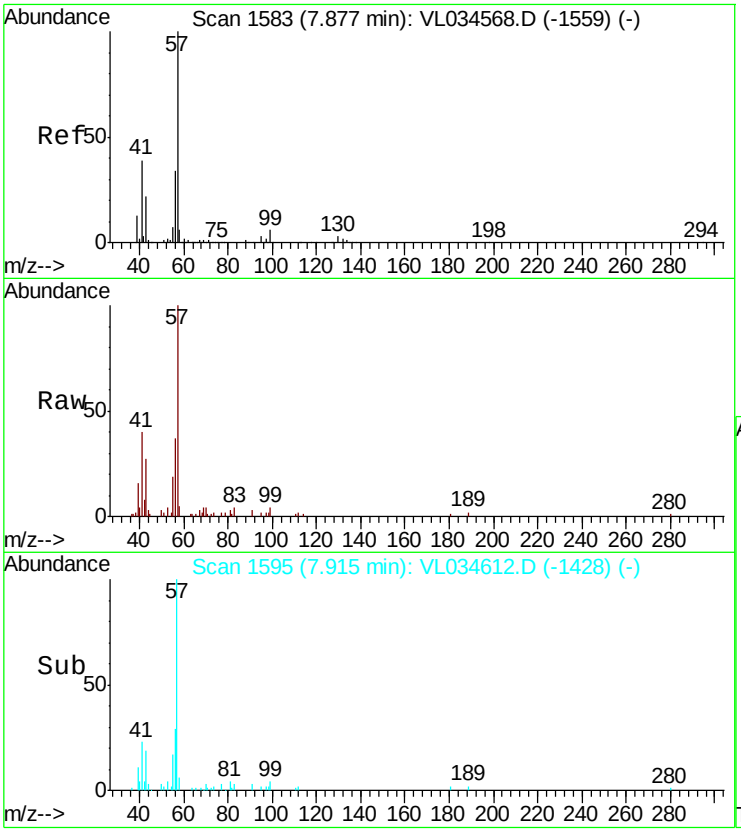


#38
Trichloroethene
Concen: 0.041 ppbv m
RT: 7.89 min Scan# 1587
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion:130 Resp: 2971

Ion	Ratio	Lower	Upper
130	100		
95	115.0	91.6	137.4
132	68.6	76.1	114.1#
97	39.1	56.6	84.8#



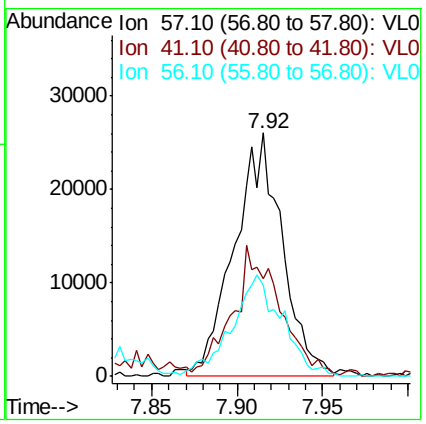


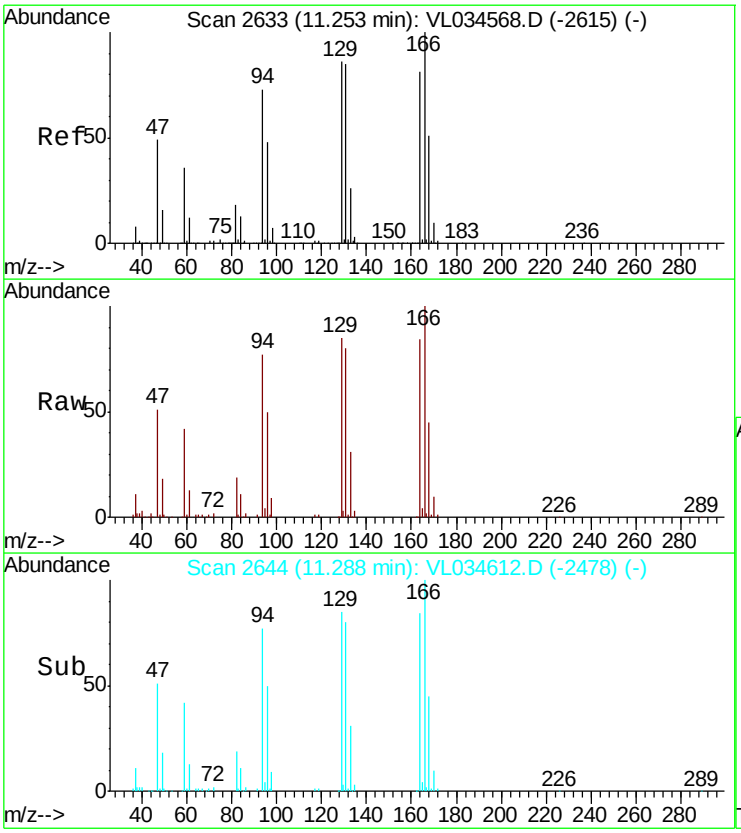
#44
2,2,4-Trimethylpentane
Concen: 0.162 ppbv m
RT: 7.92 min Scan# 1595
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion: 57 Resp: 50790

Ion	Ratio	Lower	Upper
57	100		
41	54.5	28.9	43.3#
56	0.0	25.5	38.3#

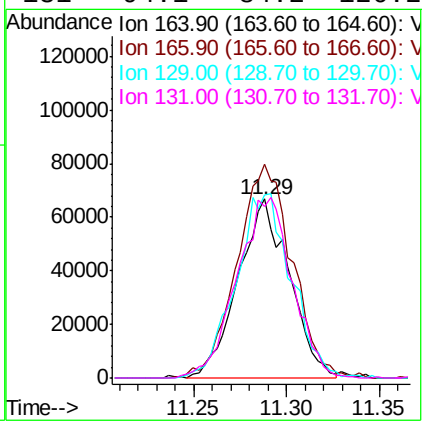


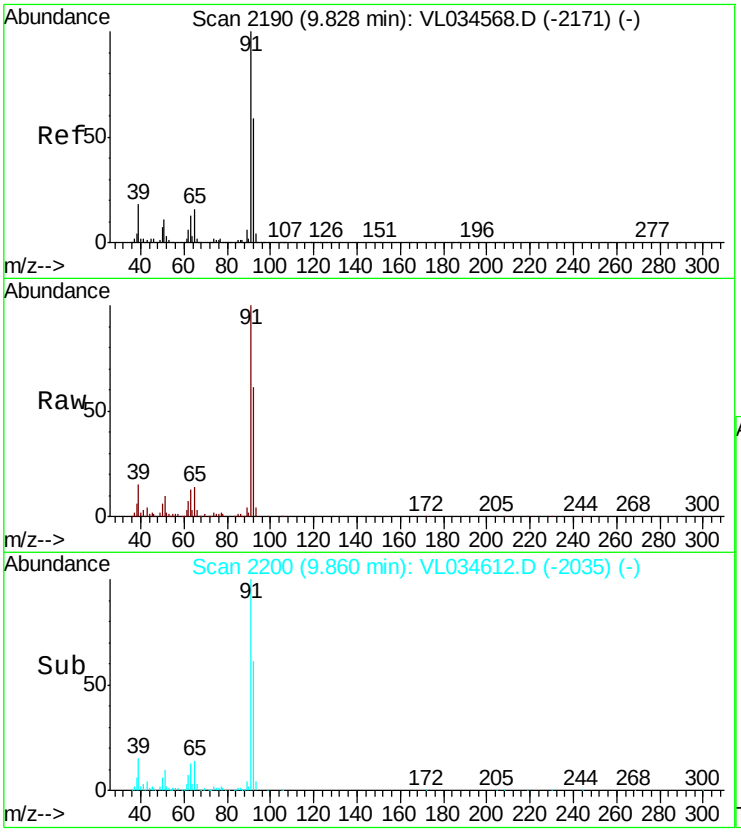


#52
Tetrachloroethene
Concen: 1.857 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion:164 Resp: 128834

Ion	Ratio	Lower	Upper
164	100		
166	117.4	99.0	148.4
129	100.4	85.3	127.9
131	94.1	84.2	126.2



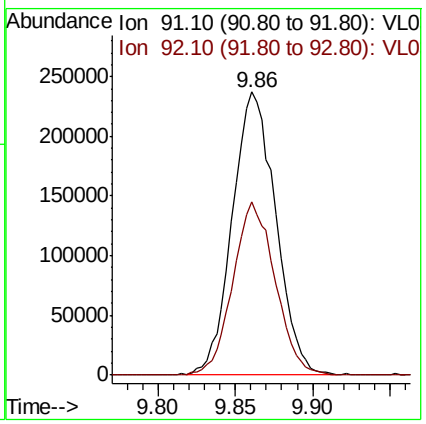


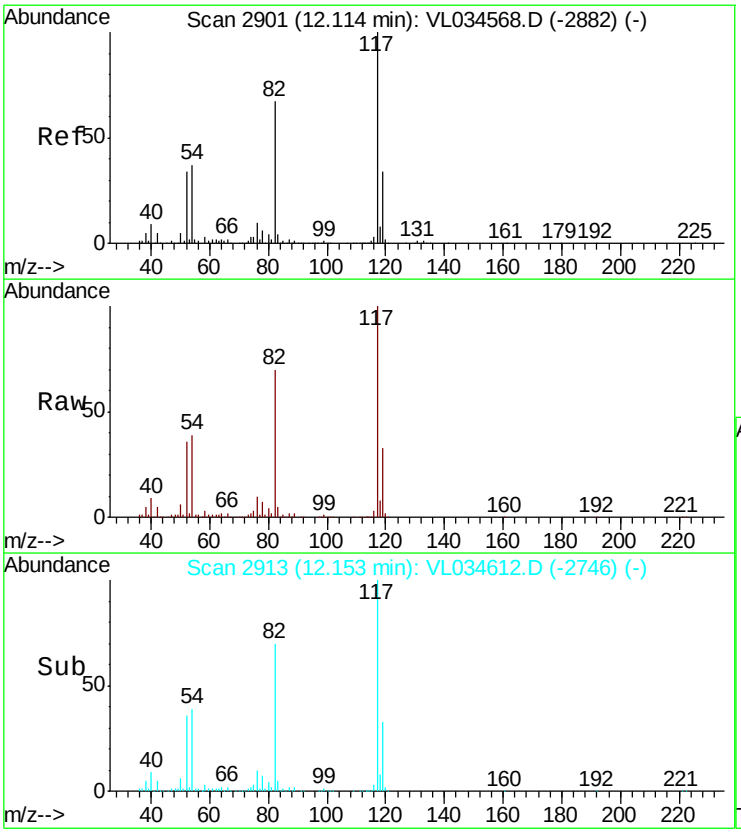
#53
Toluene
Concen: 2.425 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. 0.03 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion: 91 Resp: 460127

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.2

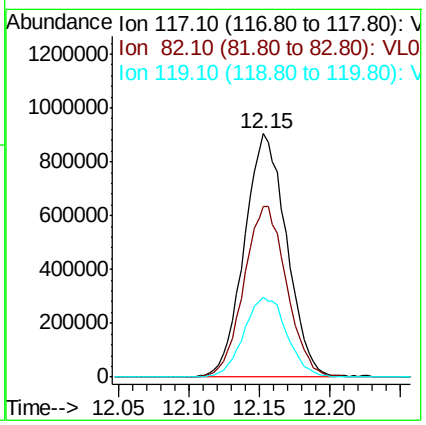


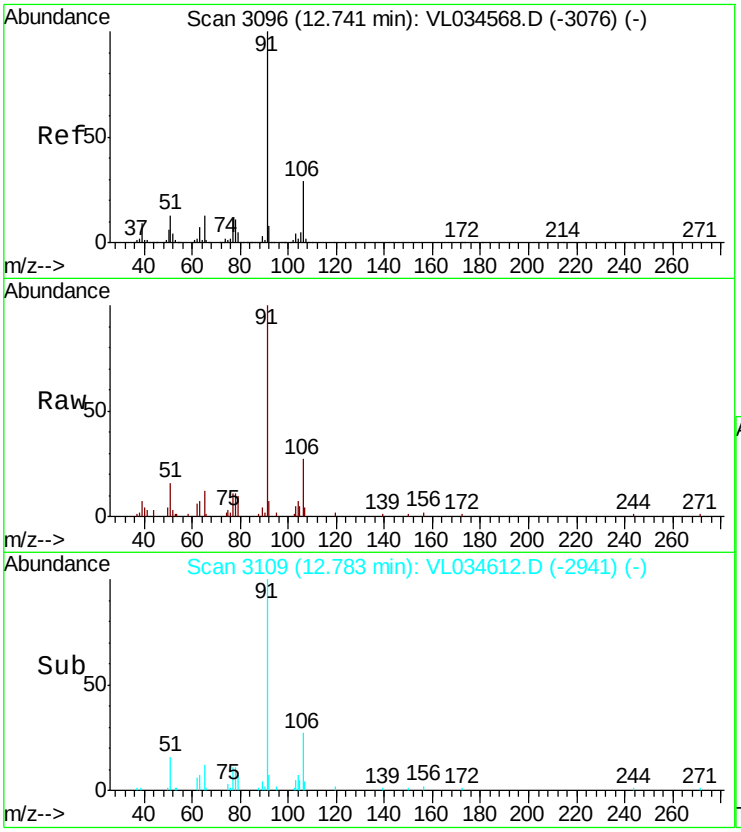


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion:117 Resp: 1892432

Ion	Ratio	Lower	Upper
117	100		
82	71.4	54.2	81.4
119	33.6	26.1	39.1



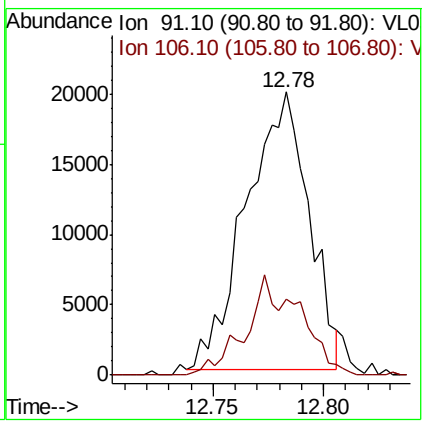


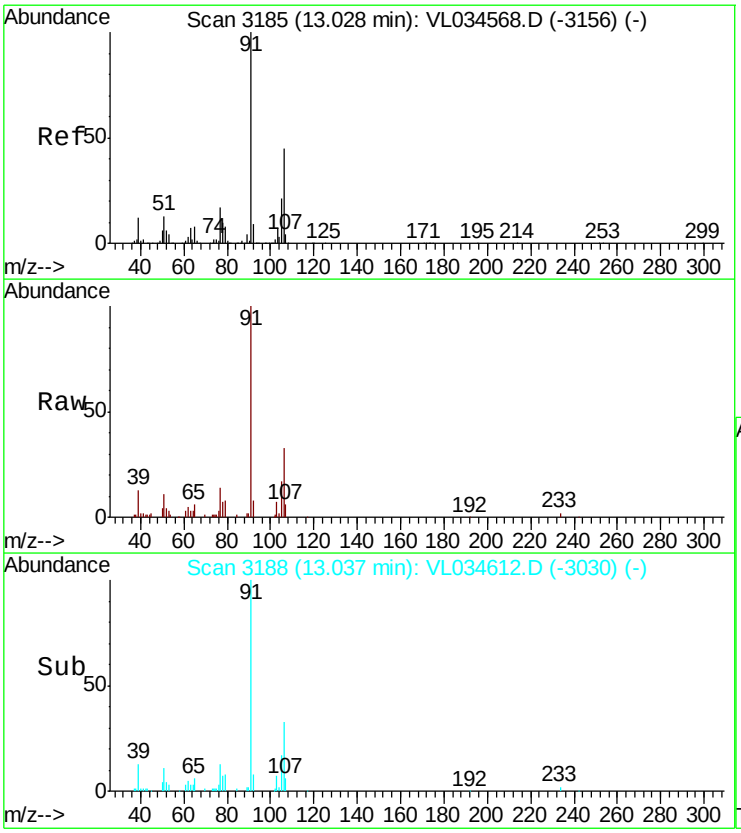
#58
Ethyl Benzene
Concen: 0.153 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument : MSVOA_L
ClientSampleId : IA-8

Tgt Ion: 91 Resp: 38775

Ion	Ratio	Lower	Upper
91	100		
106	27.4	23.3	34.9

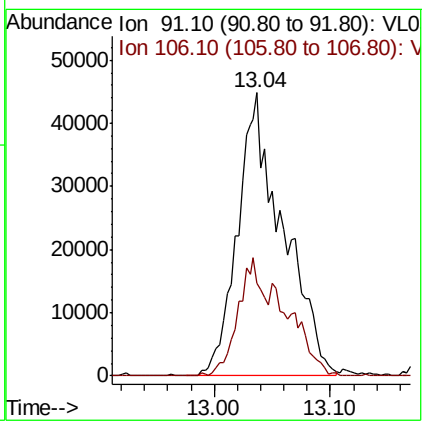


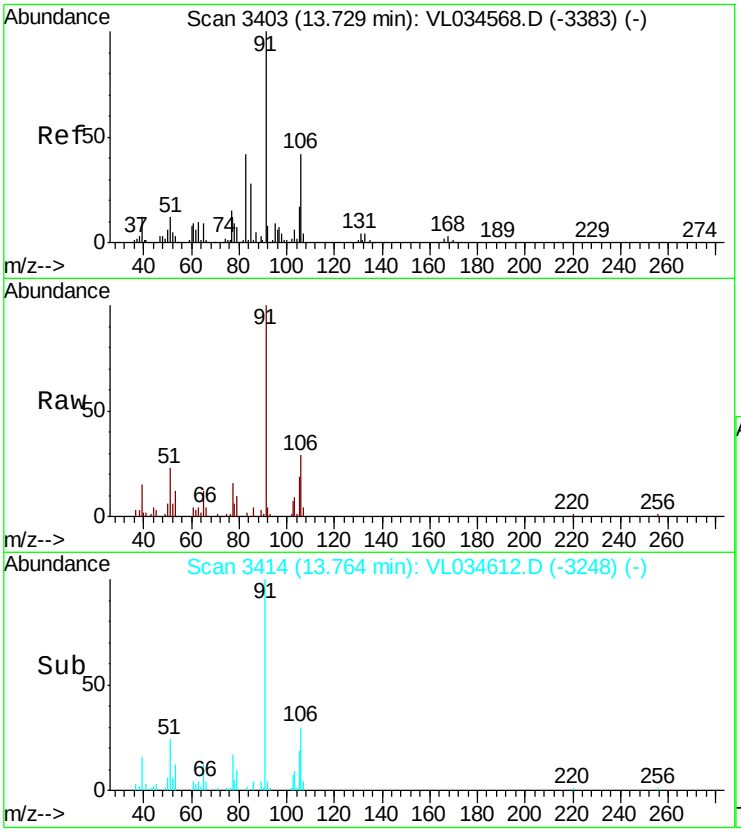


#59
m/p-Xylene
Concen: 0.544 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.01 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 91 Resp: 121732

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#



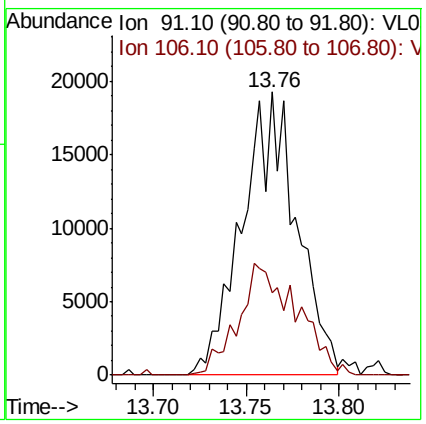


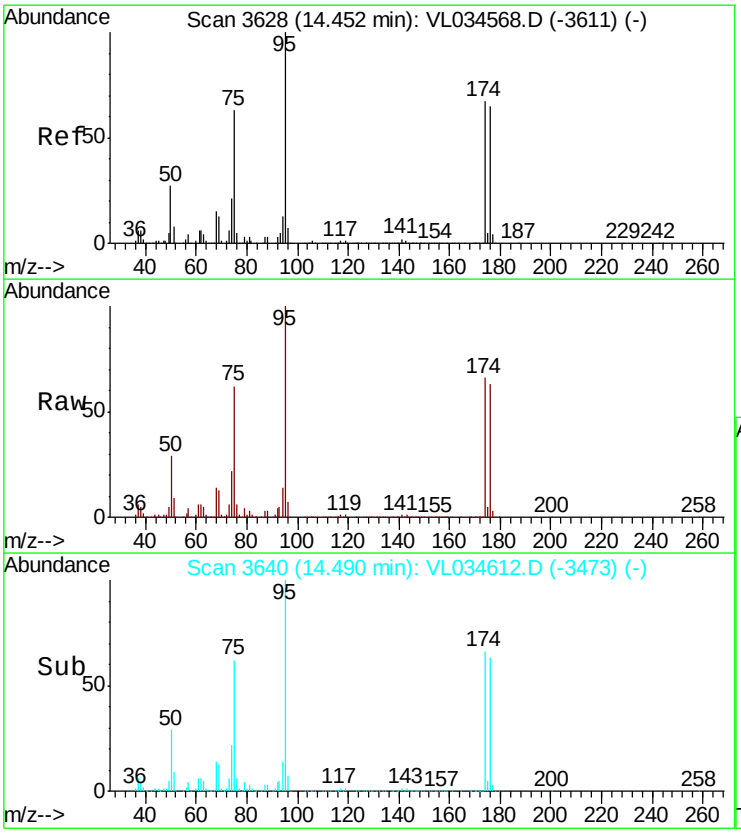
#60
o-Xylene
Concen: 0.175 ppbv m
RT: 13.76 min Scan# 3414
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument : MSVOA_L
ClientSampleId : IA-8

Tgt Ion: 91 Resp: 39320

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	65.0#

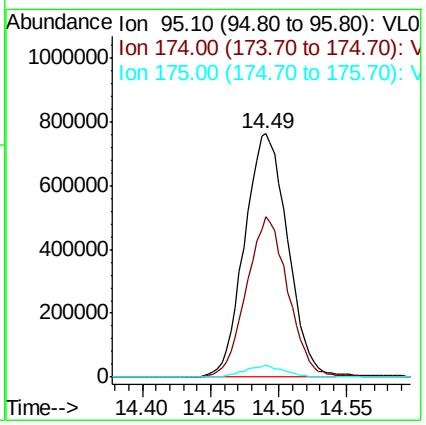


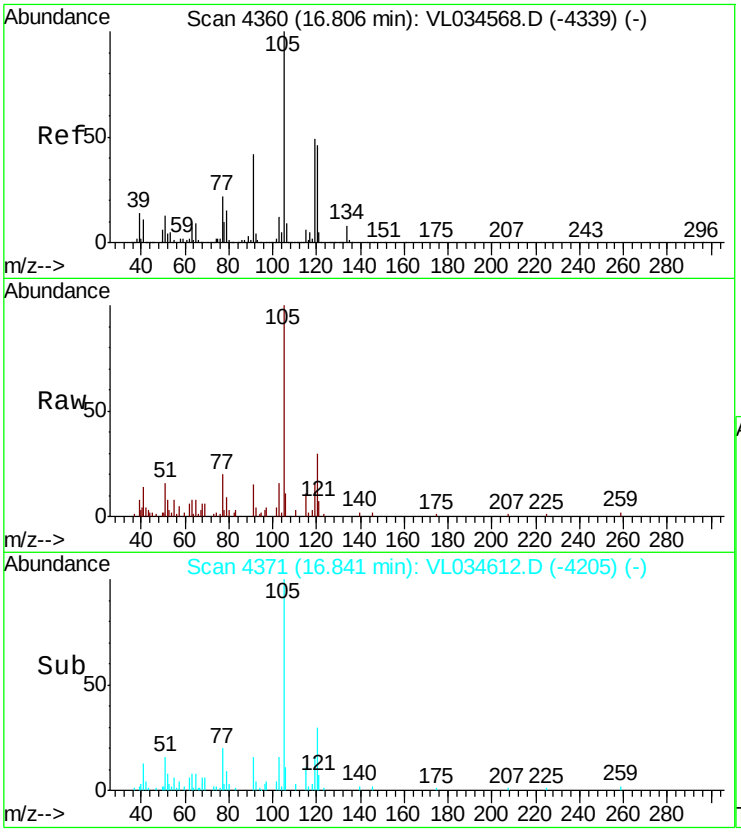


#68
1-Bromo-4-Fluorobenzene
Concen: 10.438 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Tgt Ion: 95 Resp: 1669472

Ion	Ratio	Lower	Upper
95	100		
174	64.0	52.3	78.5
175	4.5	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.134 ppbv m
RT: 16.84 min Scan# 4371
Delta R.T. 0.04 min
Lab File: VL034612.D
Acq: 6 Feb 2020 23:39

Instrument :
MSVOA_L
ClientSampleId :
IA-8

Tgt Ion:105 Resp: 35706

Ion	Ratio	Lower	Upper
105	100		
120	30.0	37.1	55.7#
91	15.4	34.3	51.5#
77	20.1	17.5	26.3