Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034611.D
Acq On : 6 Feb 2020 22:58
Operator : SY/AP
Sample : L1435-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-7

Quant Time: Feb 10 09:48:02 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	927571	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.21	114	1914087	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.15	117	1865960	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1645311	10.43	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	101107	0.495	ppbv		93
3) Chlorodifluoromethane	2.97	51	34425m	0.307	ppbv		
4) Chloromethane	3.12	50	35332	0.515	ppbv		97
9) Propene	3.00	41	51658m	1.184	ppbv		
10) Heptane	8.17	43	27253m	0.248	ppbv		
11) Trichlorofluoromethane	3.95	101	44834	0.242	ppbv	#	81
13) Ethanol	3.61	45	5851219	500.569	ppbv		94
15) Acetone	3.84	43	1401347	10.279	ppbv		99
17) tert-Butyl alcohol	4.32	59	32687m	0.326	ppbv		
19) Isopropyl Alcohol	3.99	45	598127m	7.518	ppbv		
20) Methylene Chloride	4.35	84	125604	2.420	ppbv		96
26) Hexane	5.71	57	94666	1.024	ppbv		80
34) 2-Butanone	5.27	43	38214	0.275	ppbv		96
35) Carbon Tetrachloride	7.05	117	12342m	0.067	ppbv		
36) Benzene	6.92	78	86843	0.510	ppbv		96
44) 2,2,4-Trimethylpentane	7.92	57	34605m	0.112	ppbv		
52) Tetrachloroethene	11.28	164	21288m	0.311	ppbv		
53) Toluene	9.86	91	313246	1.675	ppbv		100
58) Ethyl Benzene	12.79	91	41854m	0.168	ppbv		
59) m/p-Xylene	13.03	91	131596m	0.596	ppbv		
60) o-Xylene	13.76	91	38901m	0.175	ppbv		
74) 1,2,4-Trimethylbenzene	16.84	105	30085m	0.114	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 : VL034611.D
Acq On : 6 Feb 2020 22:58
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Misc : 400ml/MSVOA_L
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Instrument : MSVOA_L
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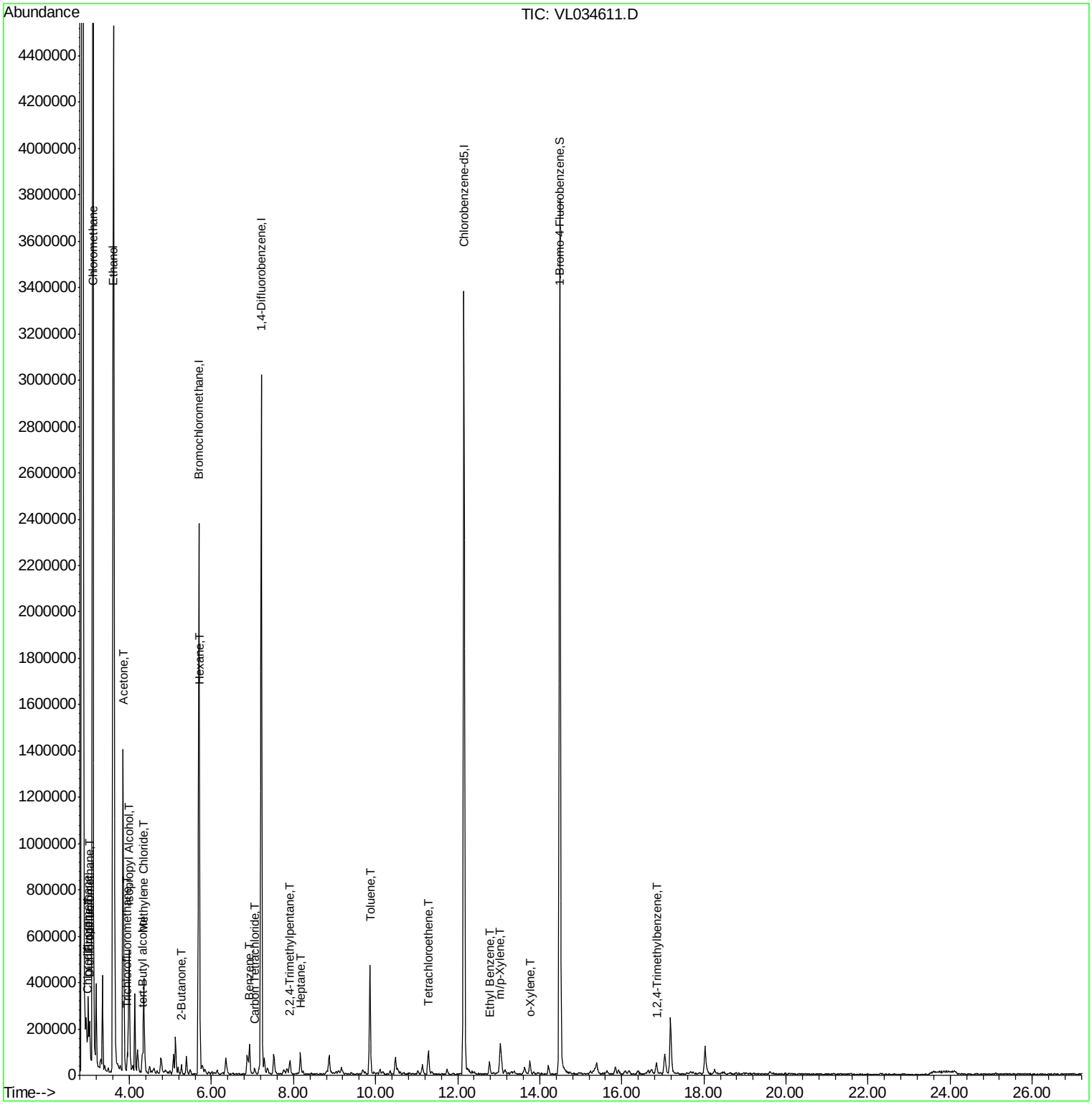
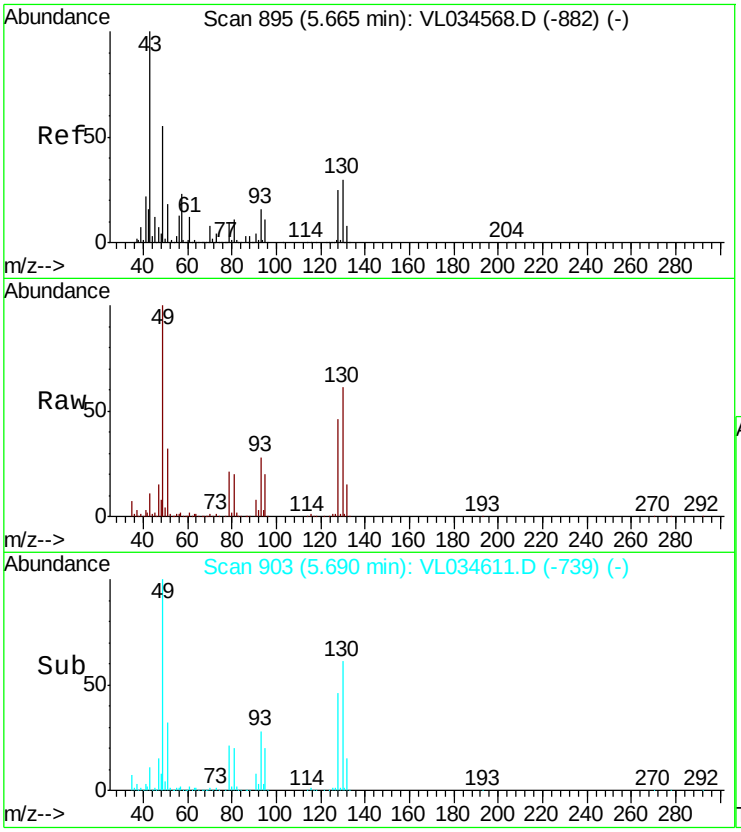
Quant Time: Feb 10 09:48:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



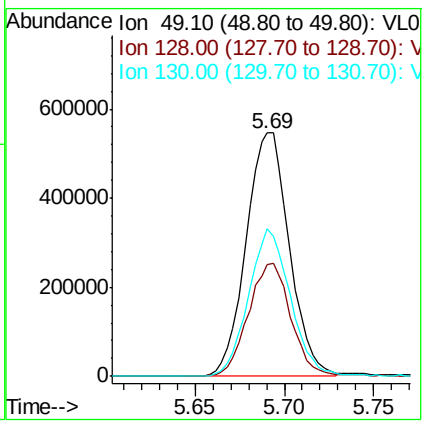


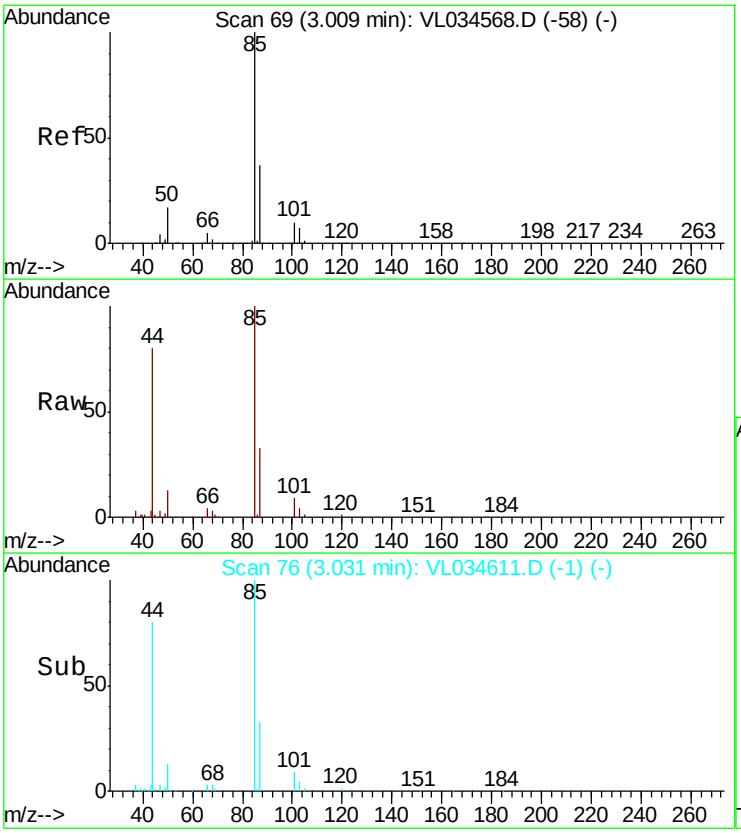
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument :
MSVOA_L
ClientSampleId :
IA-7

Tgt Ion: 49 Resp: 927571

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.7	68.1
130	58.9	28.6	85.8

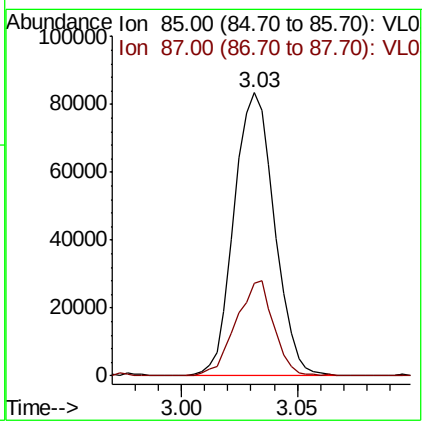


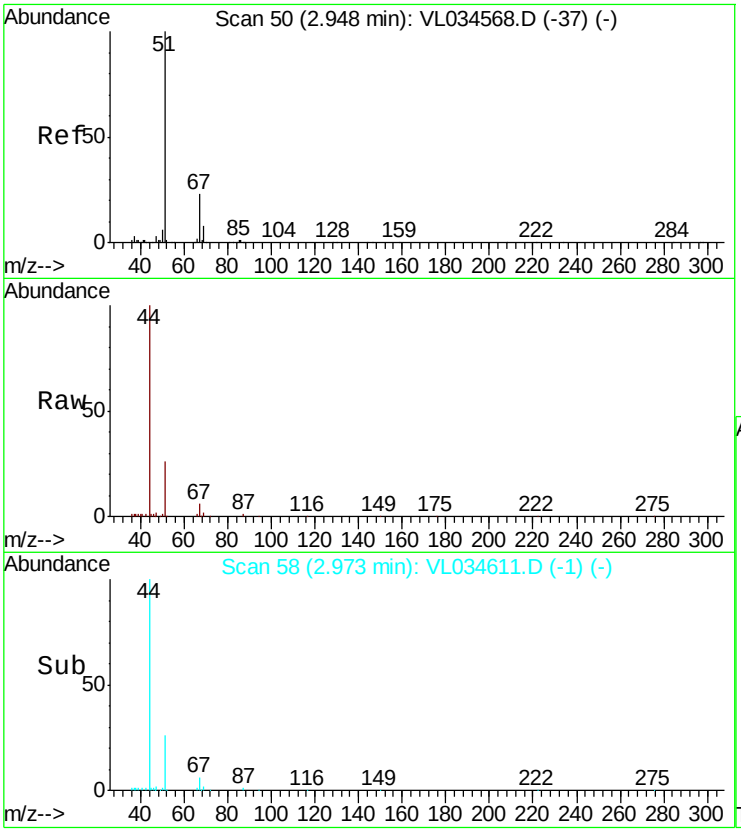


#2
Dichlorodifluoromethane
Concen: 0.495 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.02 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 85 Resp: 101107

Ion	Ratio	Lower	Upper
85	100		
87	32.8	29.5	44.3



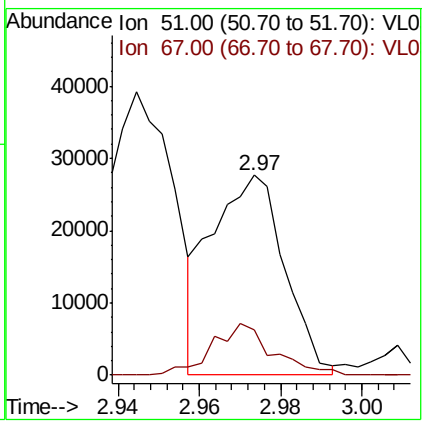


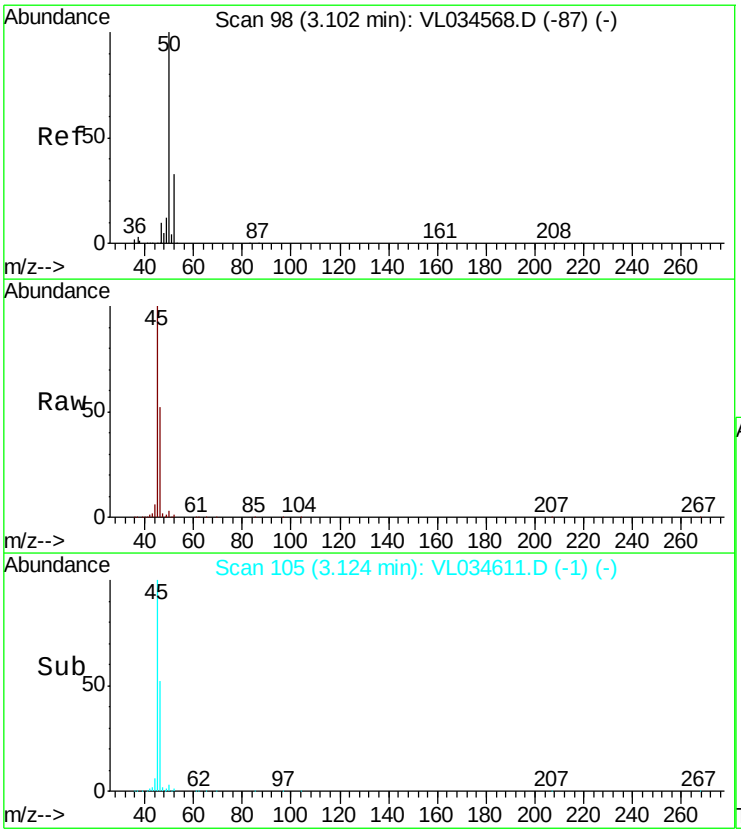
#3
Chlorodifluoromethane
Concen: 0.307 ppbv m
RT: 2.97 min Scan# 58
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument :
MSVOA_L
ClientSampleId :
IA-7

Tgt Ion: 51 Resp: 34425

Ion	Ratio	Lower	Upper
51	100		
67	21.4	17.8	26.8

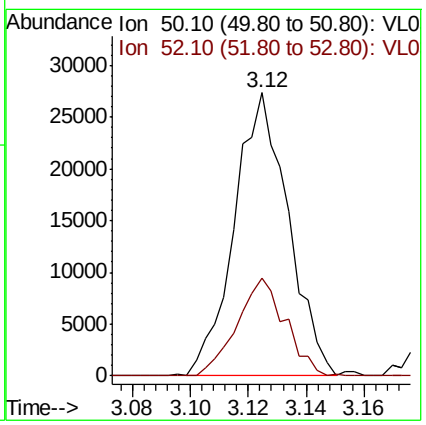


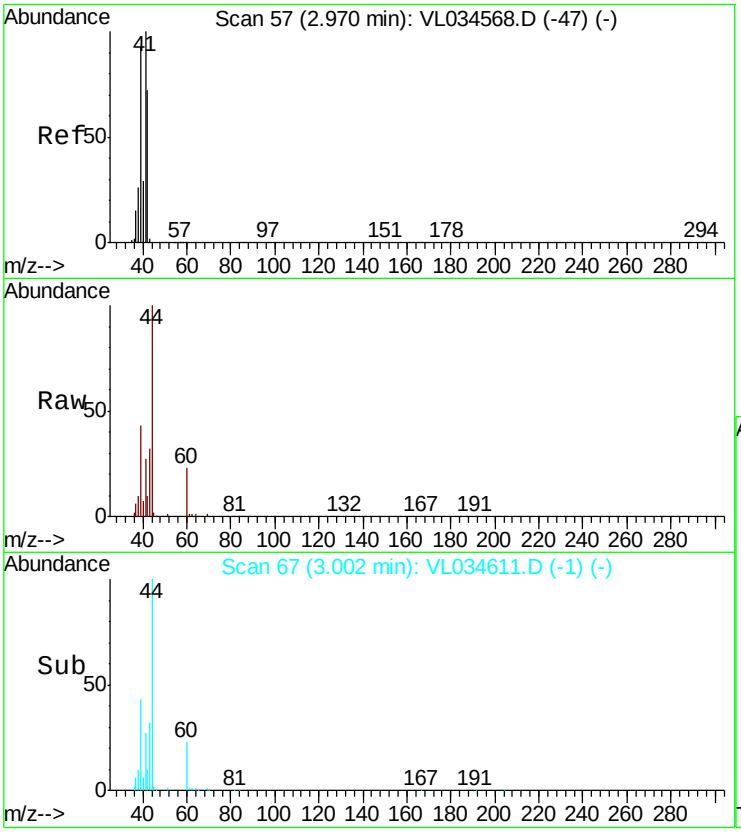


#4
Chloromethane
Concen: 0.515 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.02 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 50 Resp: 35332

Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.6	39.8



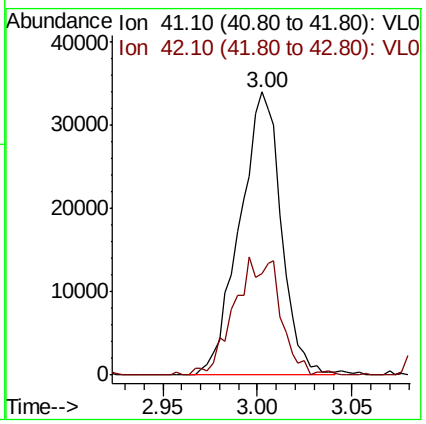


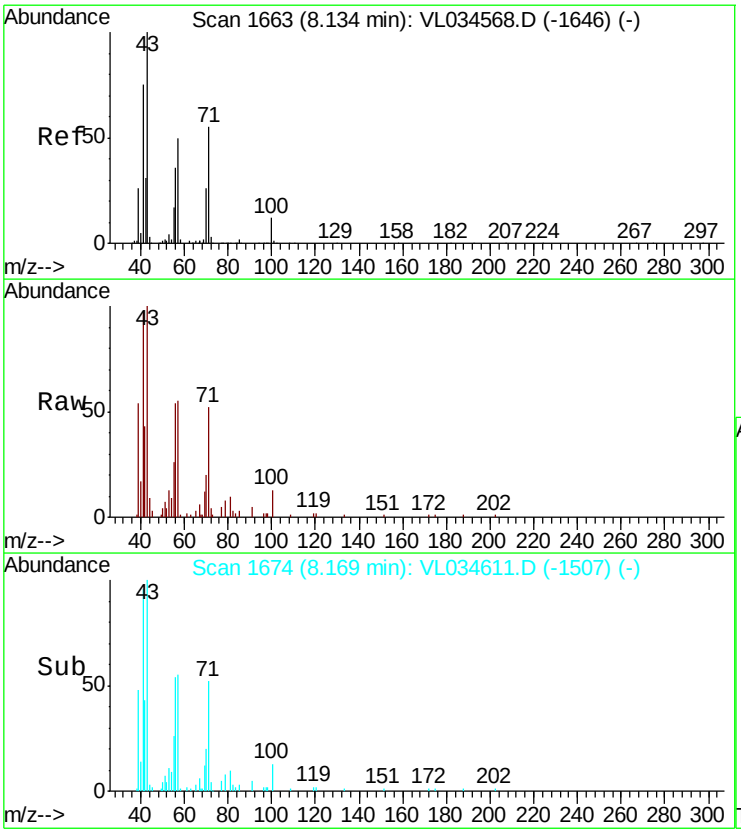
#9
Propene
Concen: 1.184 ppbv m
RT: 3.00 min Scan# 67
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion: 41 Resp: 51658

Ion	Ratio	Lower	Upper
41	100		
42	108.2	57.0	85.4#

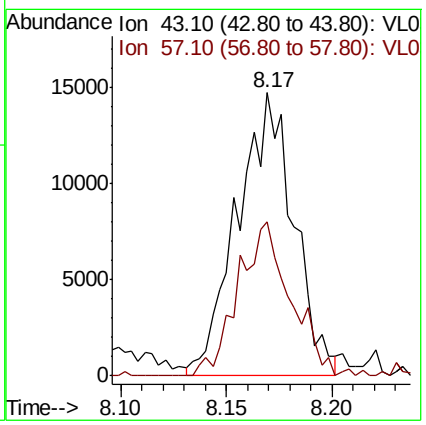


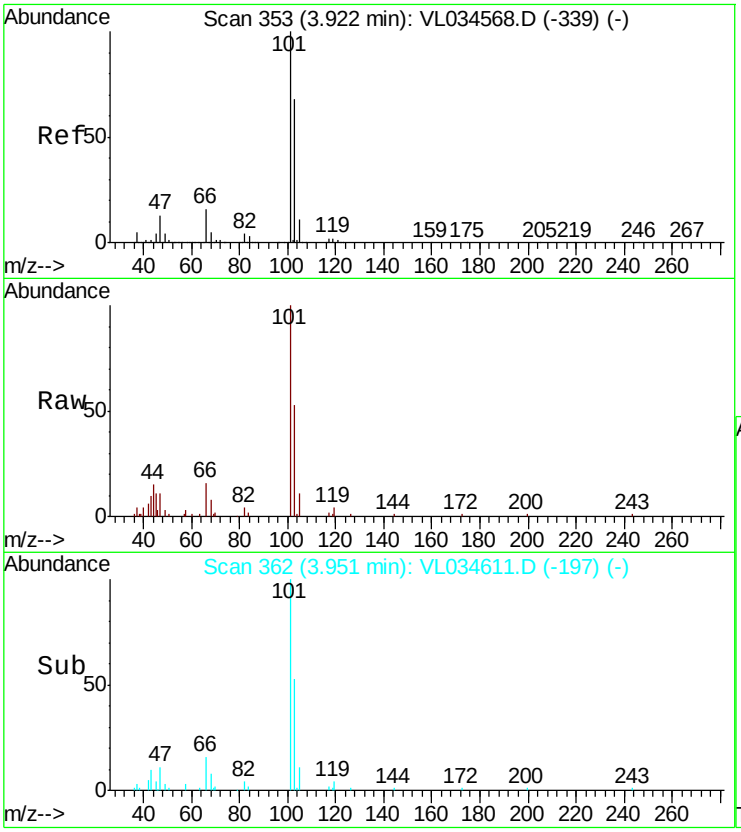


#10
Heptane
Concen: 0.248 ppbv m
RT: 8.17 min Scan# 1674
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 43 Resp: 27253

Ion	Ratio	Lower	Upper
43	100		
57	51.1	41.2	61.8



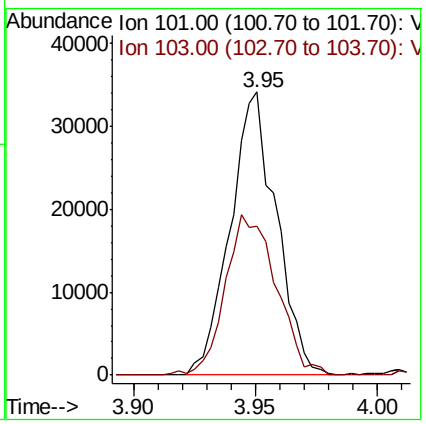


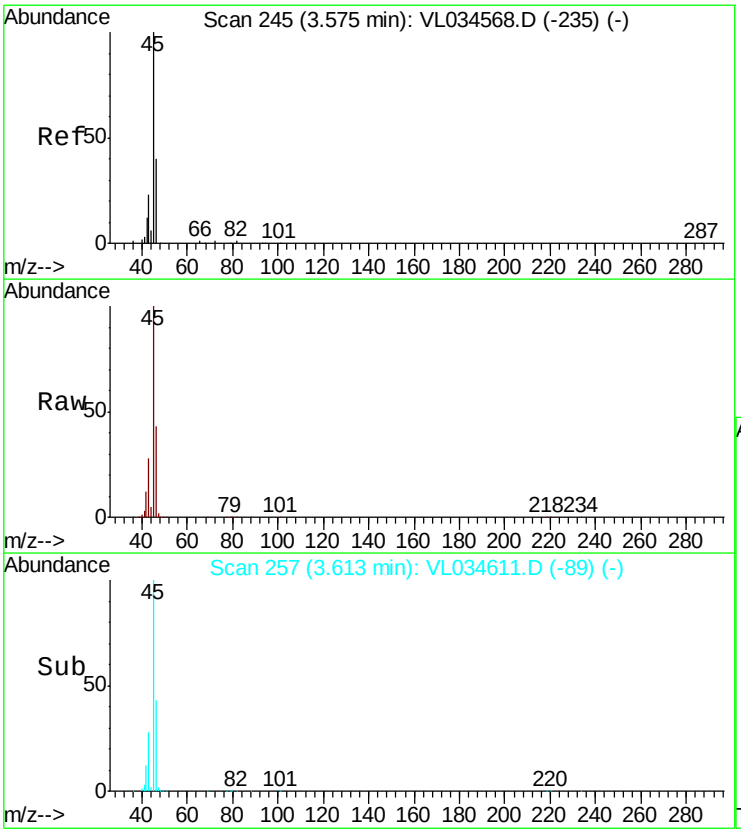
#11
Trichlorofluoromethane
Concen: 0.242 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion:101 Resp: 44834

Ion	Ratio	Lower	Upper
101	100		
103	52.8	54.4	81.6#

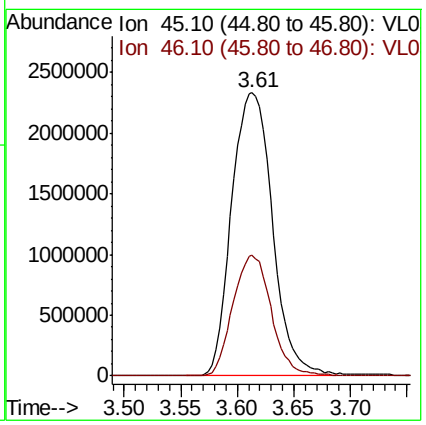


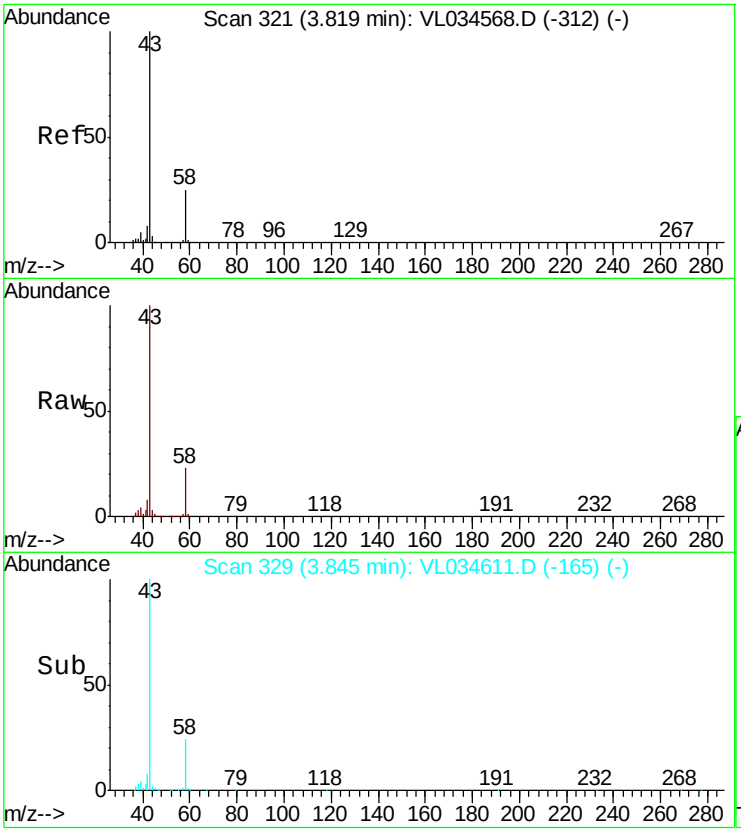


#13
Ethanol
Concen: 500.569 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 45 Resp: 5851219

Ion	Ratio	Lower	Upper
45	100		
46	40.4	14.8	59.2



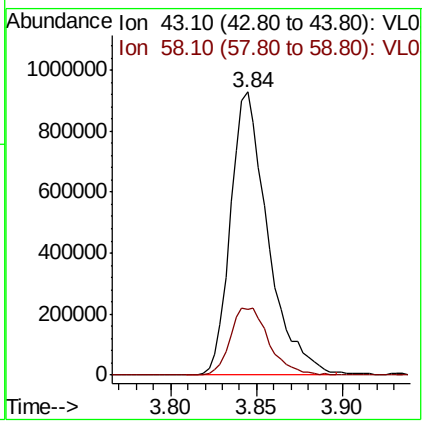


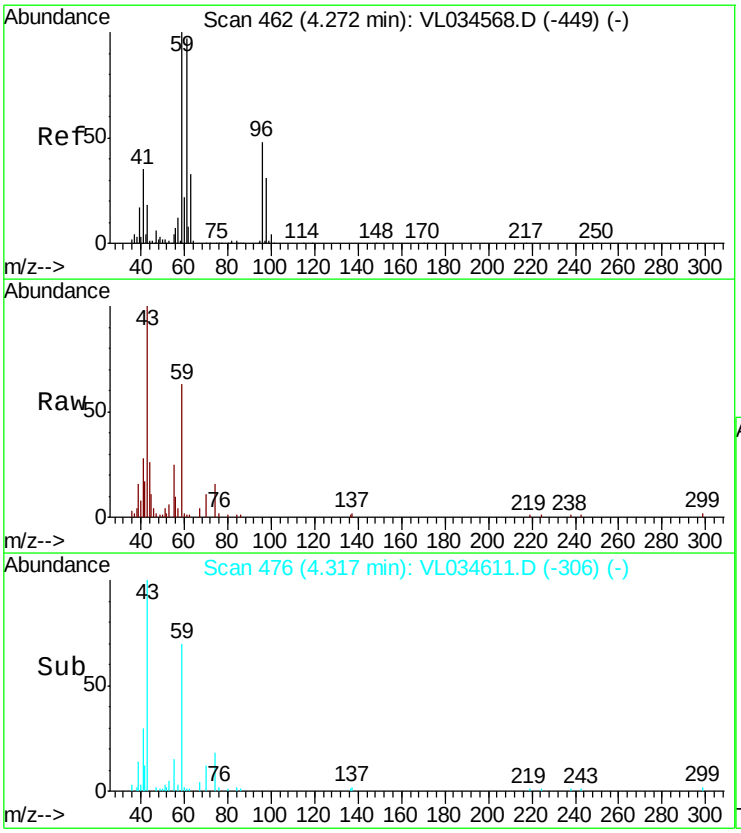
#15
Acetone
Concen: 10.279 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion: 43 Resp: 1401347

Ion	Ratio	Lower	Upper
43	100		
58	24.9	20.3	30.5

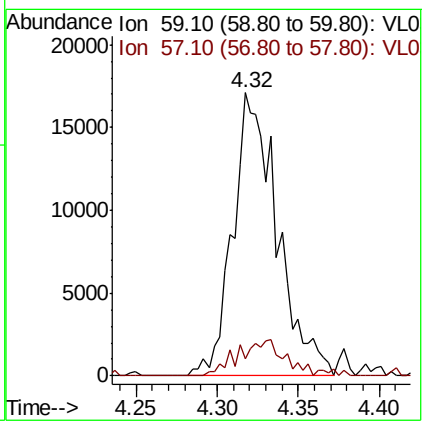


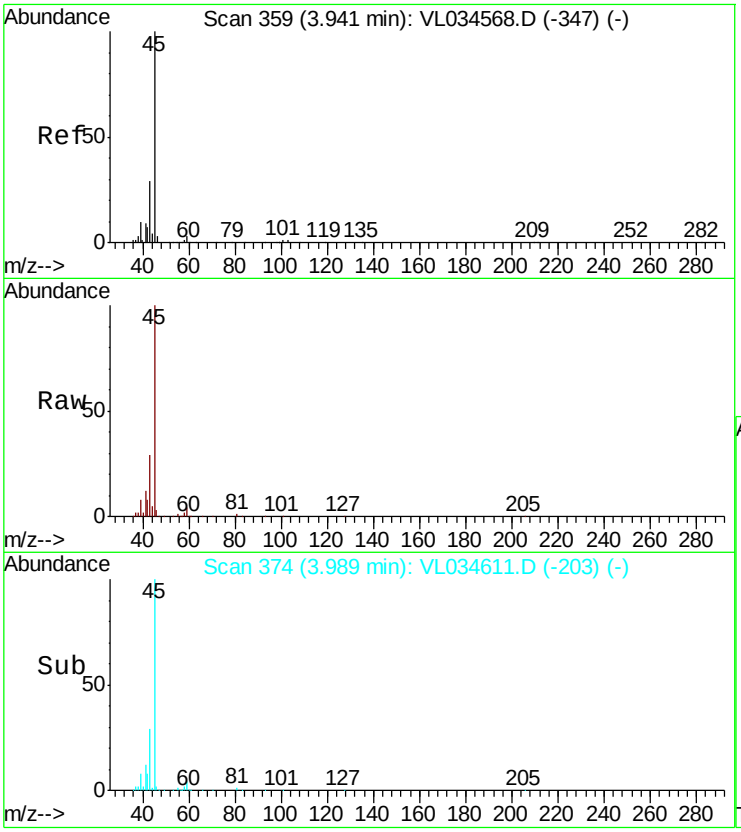


#17
tert-Butyl alcohol
Concen: 0.326 ppbv m
RT: 4.32 min Scan# 476
Delta R.T. 0.05 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 59 Resp: 32687

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



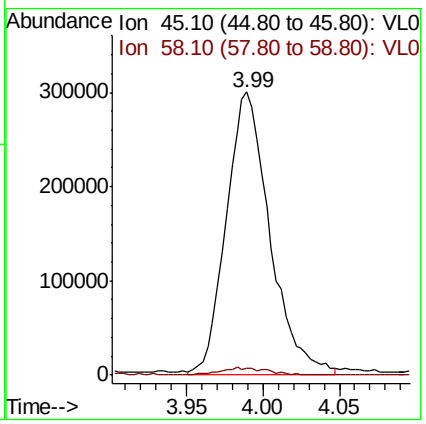


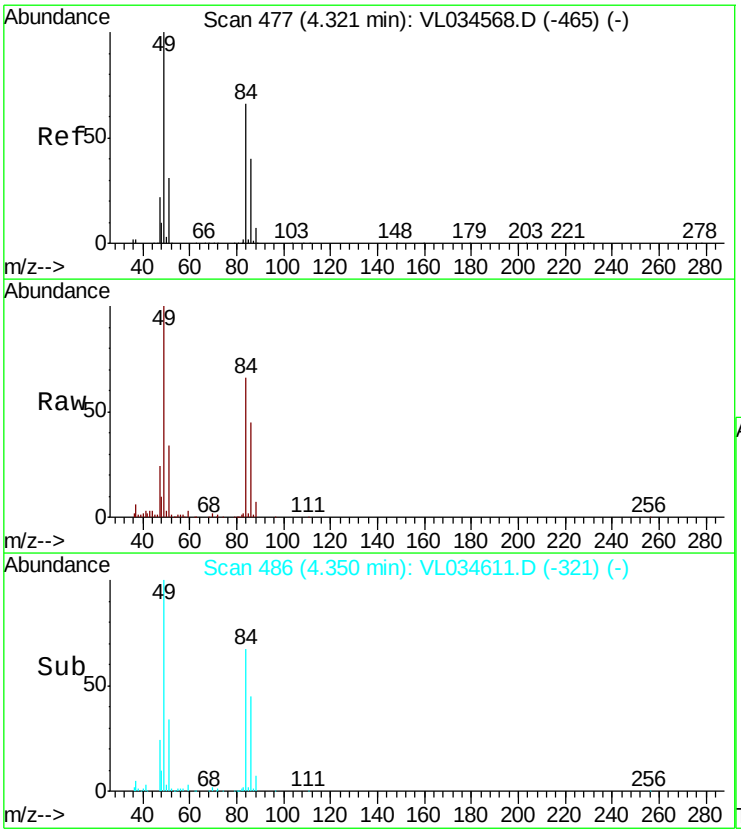
#19
Isopropyl Alcohol
Concen: 7.518 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.05 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument :
MSVOA_L
ClientSampleId :
IA-7

Tgt Ion: 45 Resp: 598127

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#

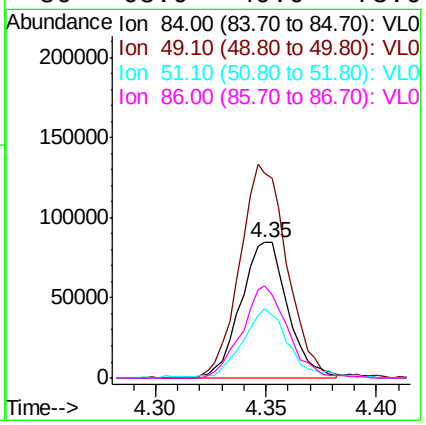


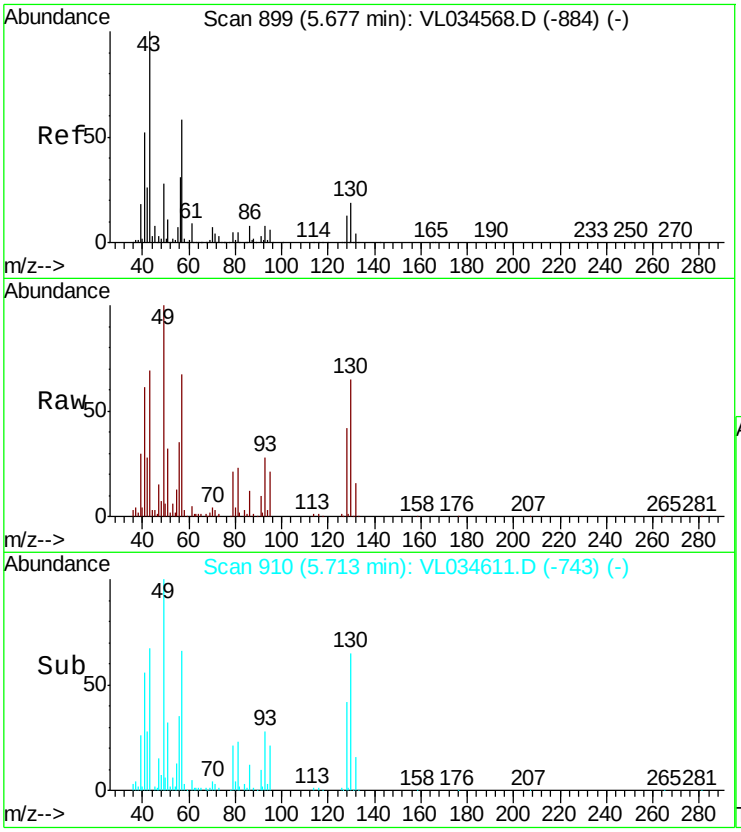


#20
Methylene Chloride
Concen: 2.420 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 84 Resp: 125604

Ion	Ratio	Lower	Upper
84	100		
49	149.9	122.4	183.6
51	50.1	38.6	57.8
86	68.0	49.0	73.6



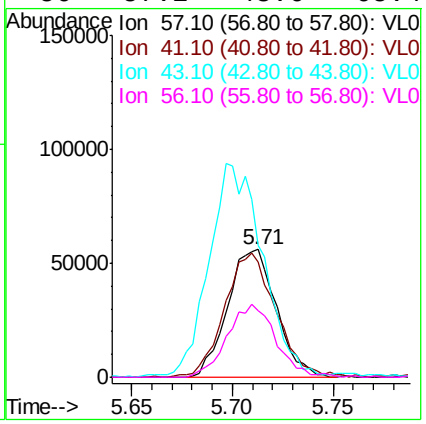


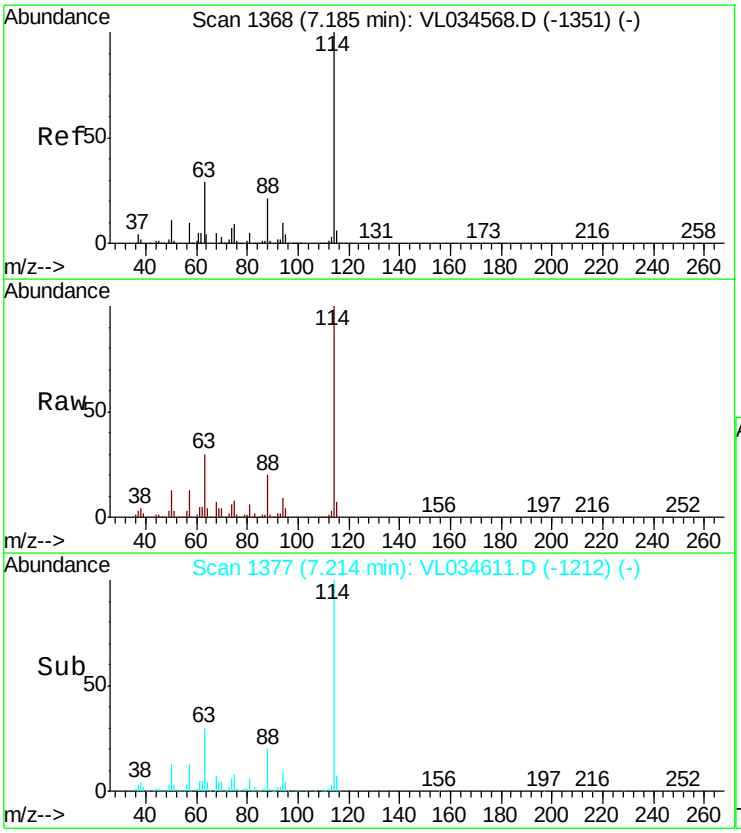
#26
Hexane
Concen: 1.024 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument :
MSVOA_L
ClientSampleId :
IA-7

Tgt Ion: 57 Resp: 94666

Ion	Ratio	Lower	Upper
57	100		
41	103.2	76.2	114.2
43	189.9	189.9	284.9
56	57.2	43.6	65.4

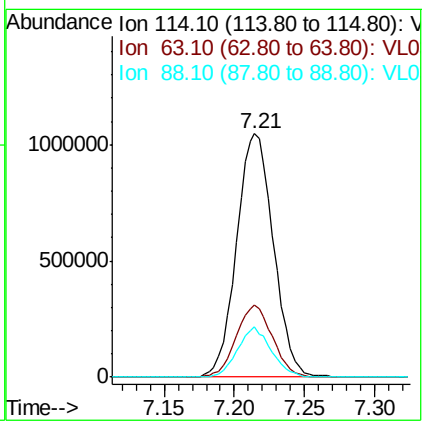


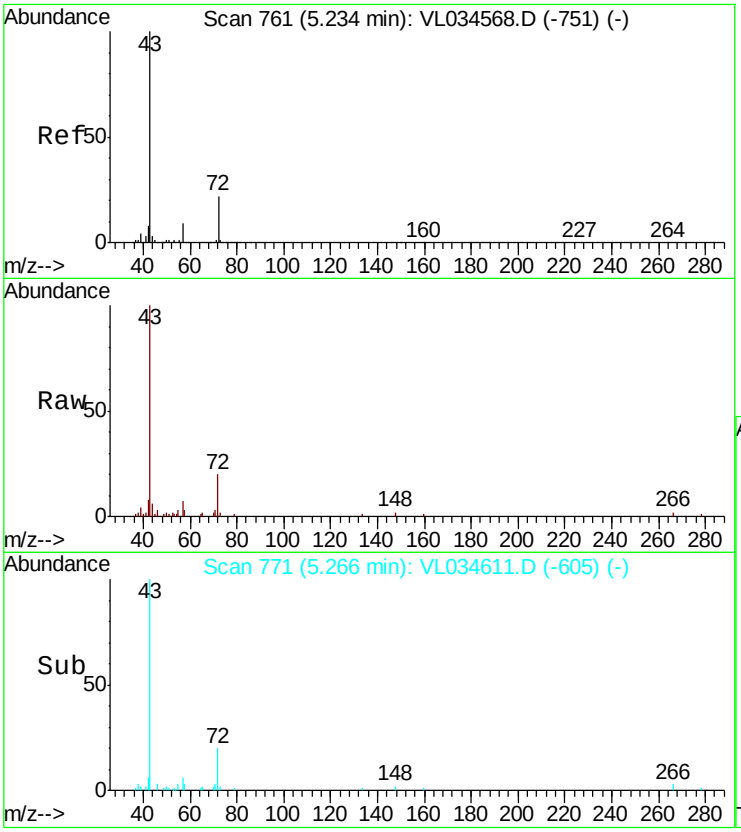


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion:114 Resp: 1914087

Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.1	36.1
88	18.9	15.9	23.9



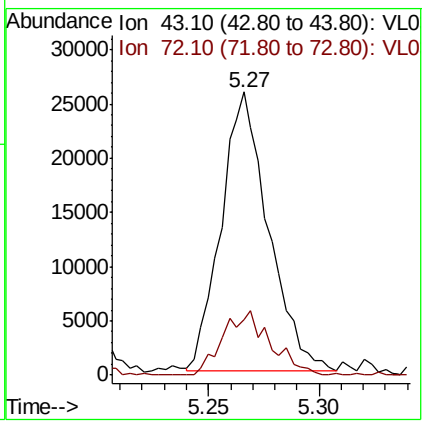


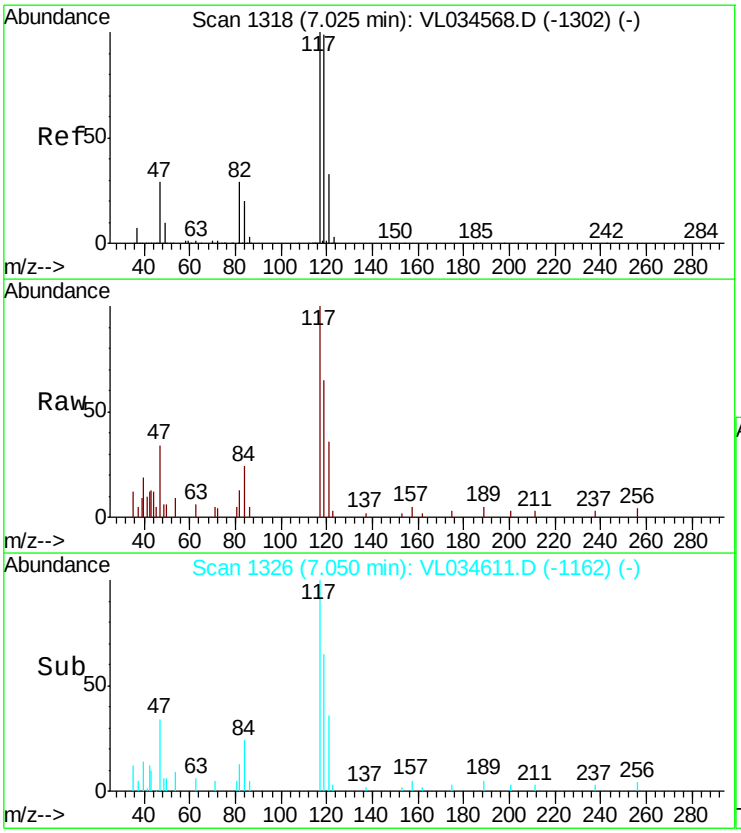
#34
2-Butanone
Concen: 0.275 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion: 43 Resp: 38214

Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.2	25.8

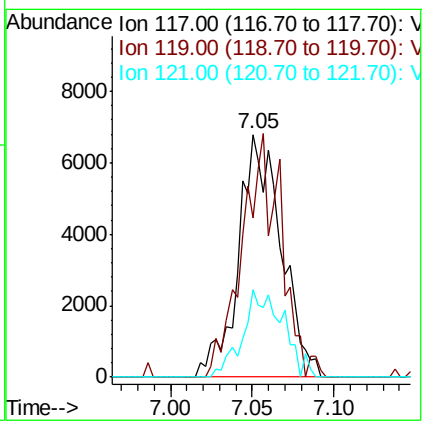


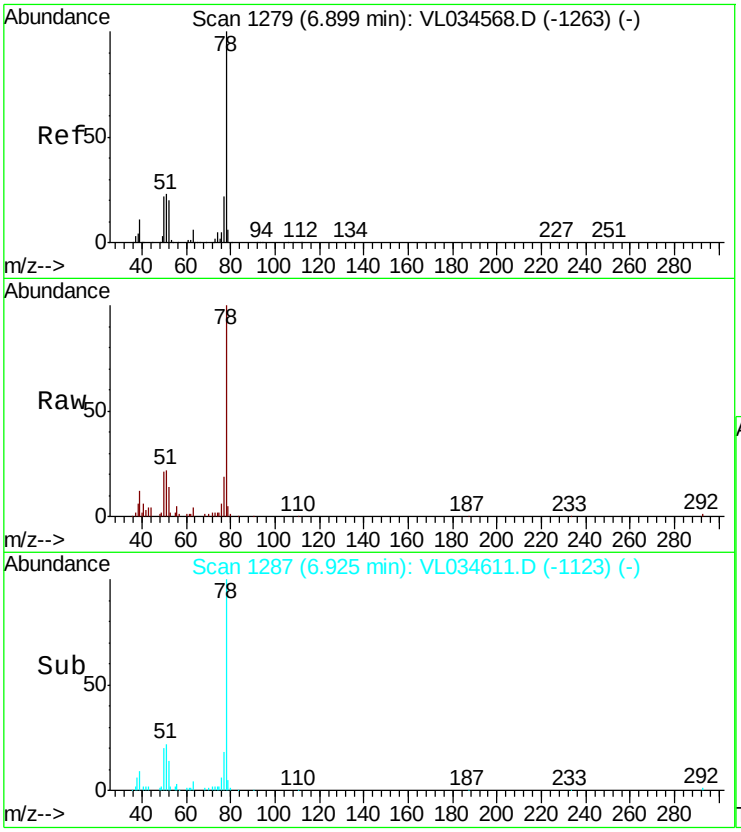


#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.05 min Scan# 1326
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion:117 Resp: 12342

Ion	Ratio	Lower	Upper
117	100		
119	65.5	79.5	119.3#
121	36.1	26.2	39.2



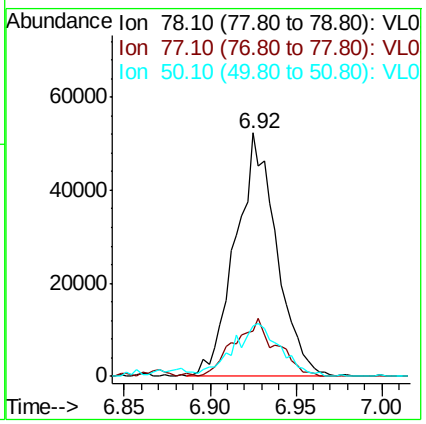


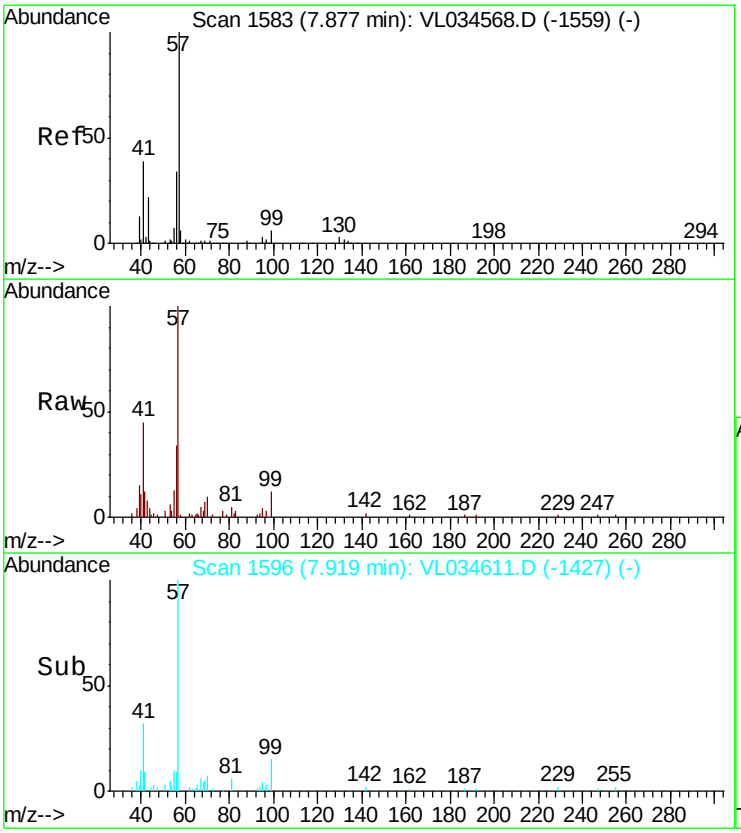
#36
Benzene
Concen: 0.510 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion: 78 Resp: 86843

Ion	Ratio	Lower	Upper
78	100		
77	18.7	17.3	25.9
50	20.9	17.4	26.2

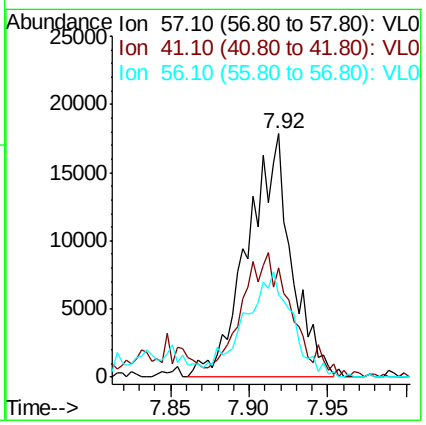


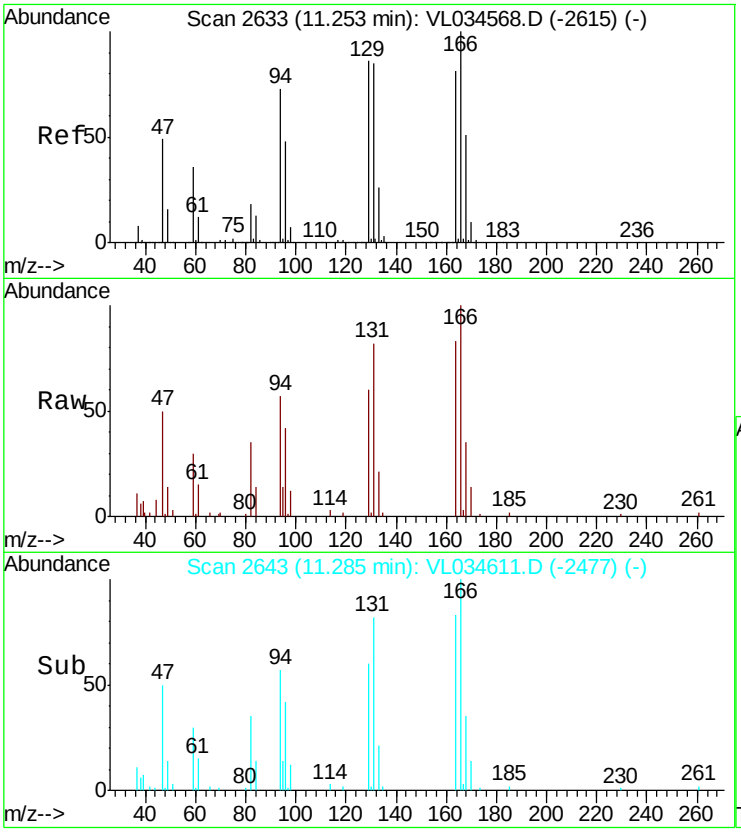


#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv m
RT: 7.92 min Scan# 1596
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 57 Resp: 34605

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



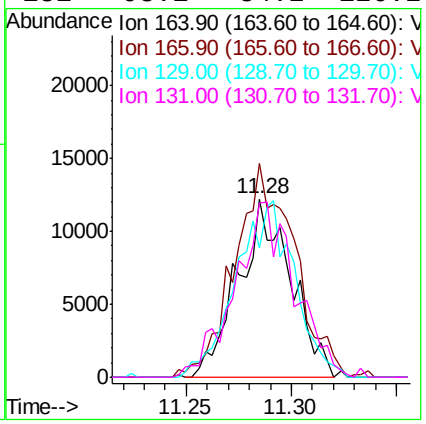


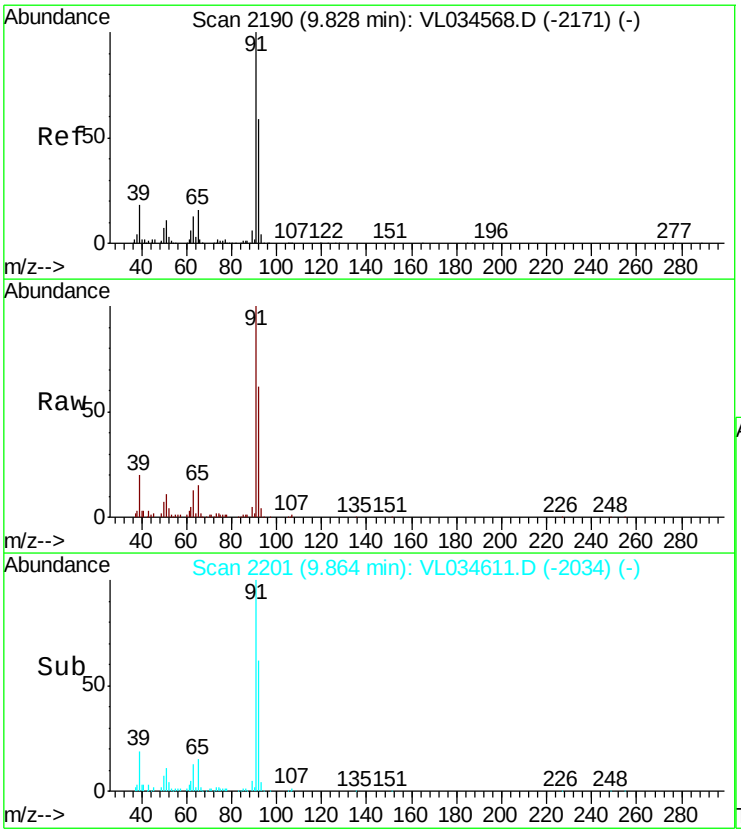
#52
Tetrachloroethene
Concen: 0.311 ppbv m
RT: 11.28 min Scan# 2643
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion:164 Resp: 21288

Ion	Ratio	Lower	Upper
164	100		
166	120.0	99.0	148.4
129	72.4	85.3	127.9#
131	98.1	84.2	126.2

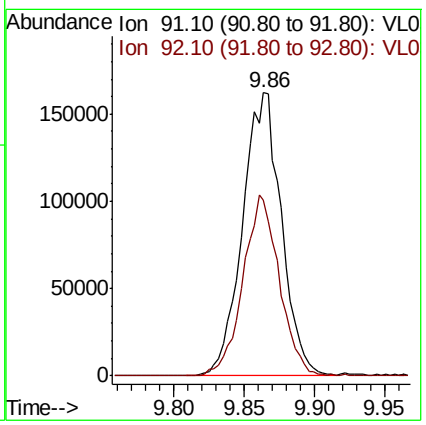


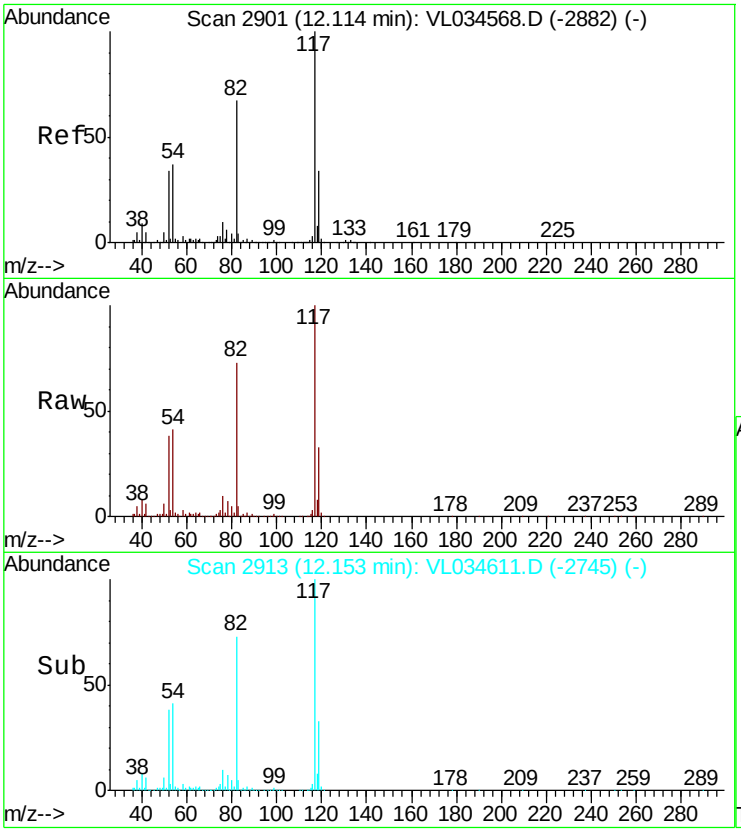


#53
Toluene
Concen: 1.675 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 91 Resp: 313246

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.2



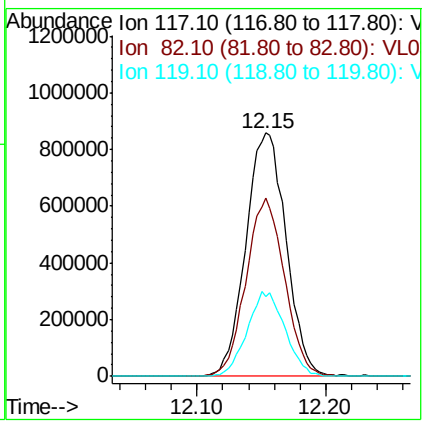


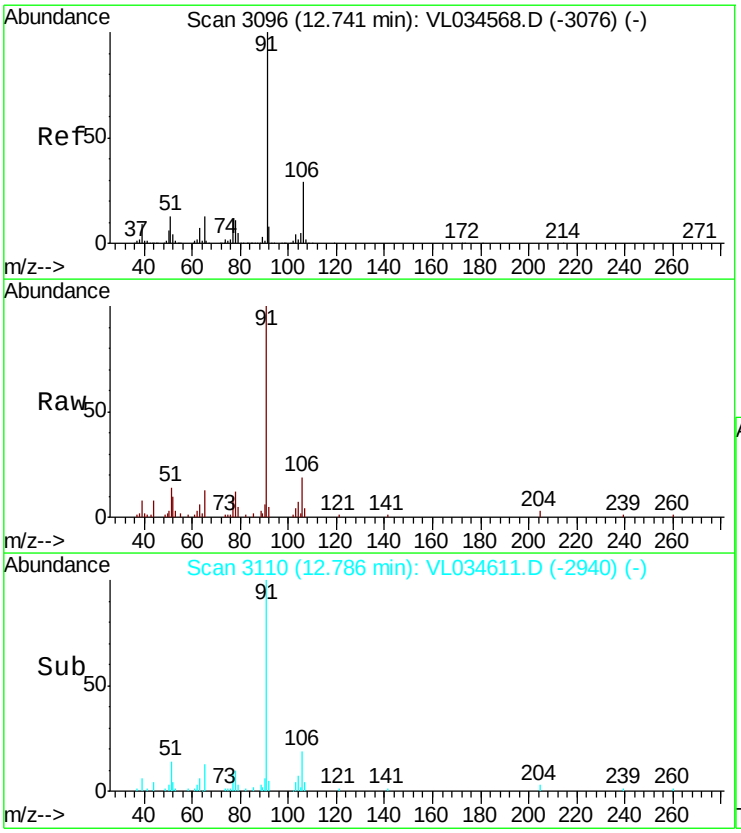
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion:117 Resp: 1865960

Ion	Ratio	Lower	Upper
117	100		
82	70.4	54.2	81.4
119	33.1	26.1	39.1

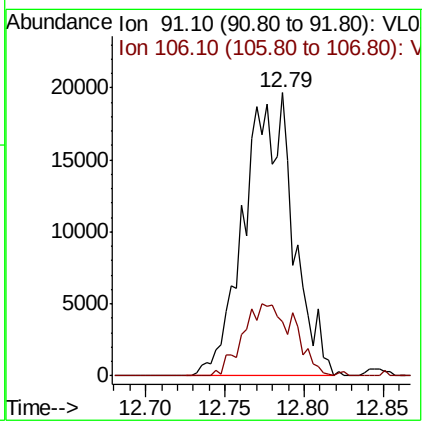


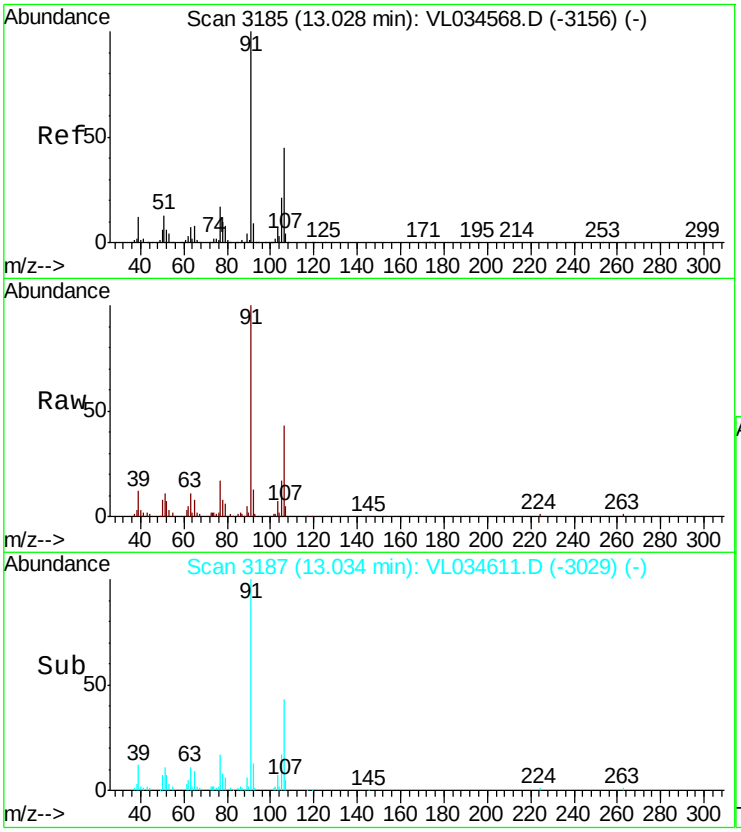


#58
Ethyl Benzene
Concen: 0.168 ppbv m
RT: 12.79 min Scan# 3110
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 91 Resp: 41854

Ion	Ratio	Lower	Upper
91	100		
106	19.1	23.3	34.9#



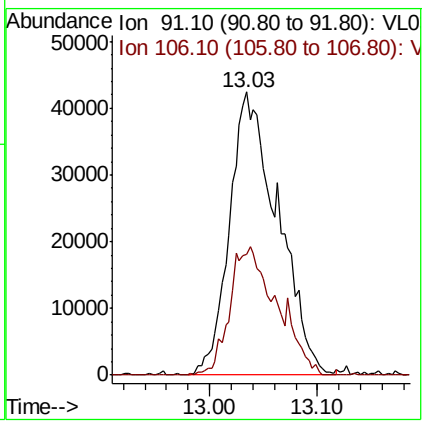


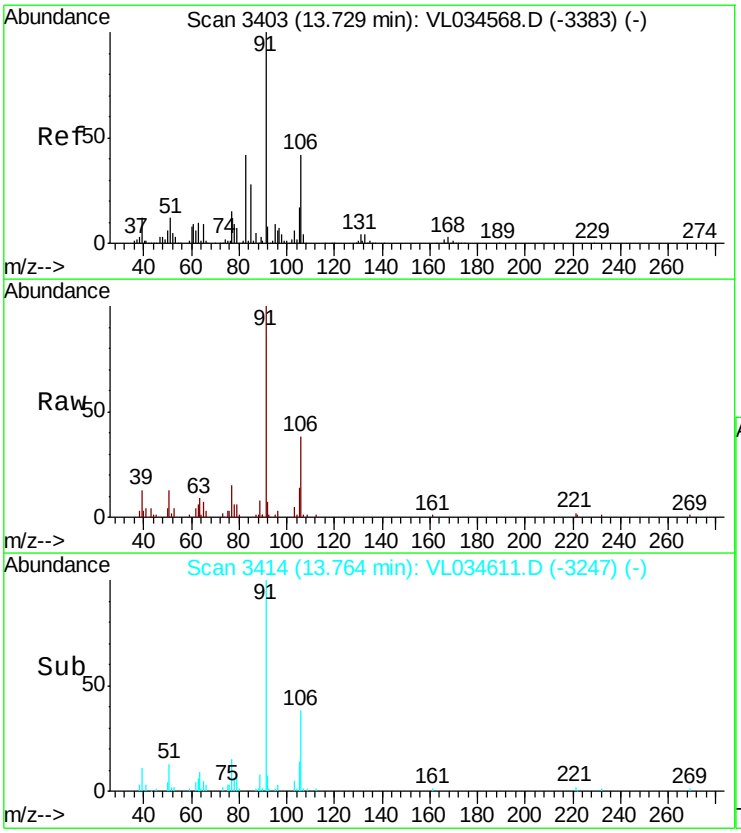
#59
m/p-Xylene
Concen: 0.596 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument : MSVOA_L
ClientSampleId : IA-7

Tgt Ion: 91 Resp: 131596

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#

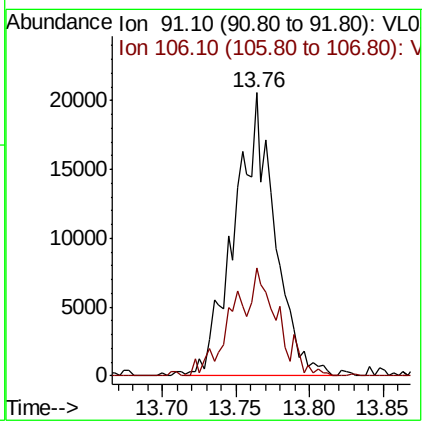


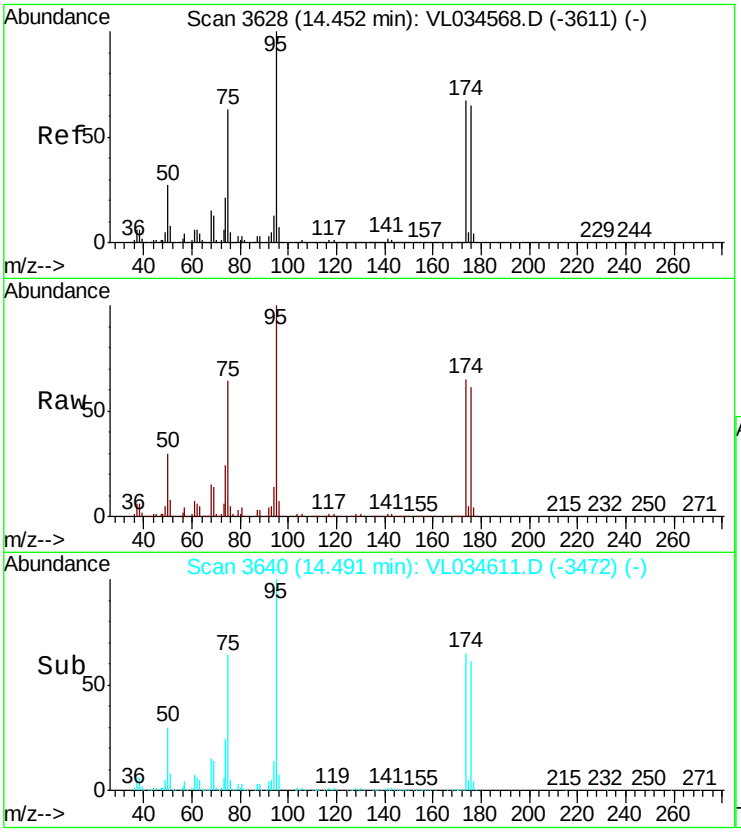


#60
o-Xylene
Concen: 0.175 ppbv m
RT: 13.76 min Scan# 3414
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion: 91 Resp: 38901

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	65.0#



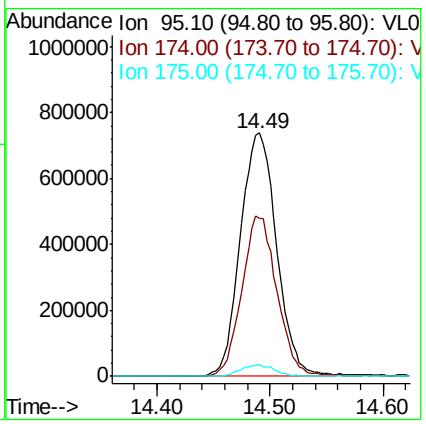


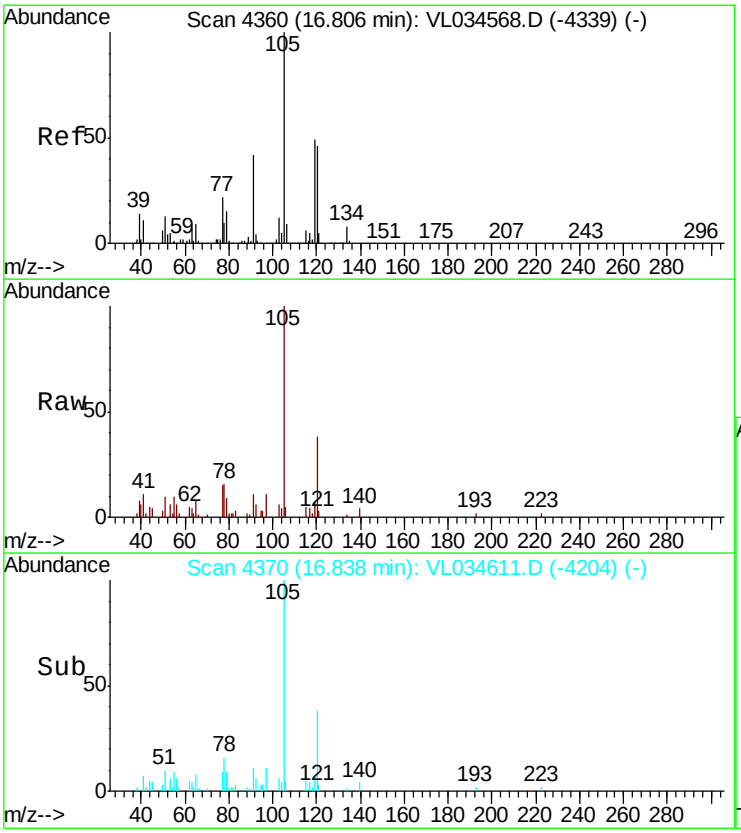
#68
1-Bromo-4-Fluorobenzene
Concen: 10.433 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.04 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Instrument :
MSVOA_L
ClientSampleId :
IA-7

Tgt Ion: 95 Resp: 1645311

Ion	Ratio	Lower	Upper
95	100		
174	63.9	52.3	78.5
175	4.5	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.114 ppbv m
RT: 16.84 min Scan# 4370
Delta R.T. 0.03 min
Lab File: VL034611.D
Acq: 6 Feb 2020 22:58

Tgt Ion:105 Resp: 30085

Ion	Ratio	Lower	Upper
105	100		
120	38.2	37.1	55.7
91	11.3	34.3	51.5#
77	14.7	17.5	26.3#