Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034610.D
Acq On : 6 Feb 2020 22:17
Operator : SY/AP
Sample : L1435-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-6

Quant Time: Feb 10 09:46:04 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	894841	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.21	114	1891092	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.15	117	1818219	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1601672	10.42	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	104363	0.530	ppbv		89
3) Chlorodifluoromethane	2.97	51	34178m	0.316	ppbv		
4) Chloromethane	3.12	50	30851	0.466	ppbv		89
9) Propene	3.01	41	31893m	0.758	ppbv		
10) Heptane	8.17	43	16127m	0.152	ppbv		
11) Trichlorofluoromethane	3.95	101	47300	0.264	ppbv	#	79
13) Ethanol	3.60	45	361043	32.017	ppbv		100
15) Acetone	3.84	43	1988007	15.116	ppbv		99
19) Isopropyl Alcohol	3.97	45	2847335	37.100	ppbv		99
20) Methylene Chloride	4.35	84	261545	5.223	ppbv		97
26) Hexane	5.71	57	149290	1.674	ppbv	#	46
34) 2-Butanone	5.28	43	19589m	0.143	ppbv		
35) Carbon Tetrachloride	7.06	117	11732m	0.065	ppbv		
36) Benzene	6.93	78	74269	0.442	ppbv		93
37) 1,2-Dichloroethane	6.33	62	16526m	0.118	ppbv		
44) 2,2,4-Trimethylpentane	7.91	57	38893m	0.127	ppbv		
52) Tetrachloroethene	11.29	164	18925m	0.280	ppbv		
53) Toluene	9.86	91	355145	1.922	ppbv		96
58) Ethyl Benzene	12.78	91	26258m	0.108	ppbv		
59) m/p-Xylene	13.03	91	59609m	0.277	ppbv		
60) o-Xylene	13.76	91	21854m	0.101	ppbv		

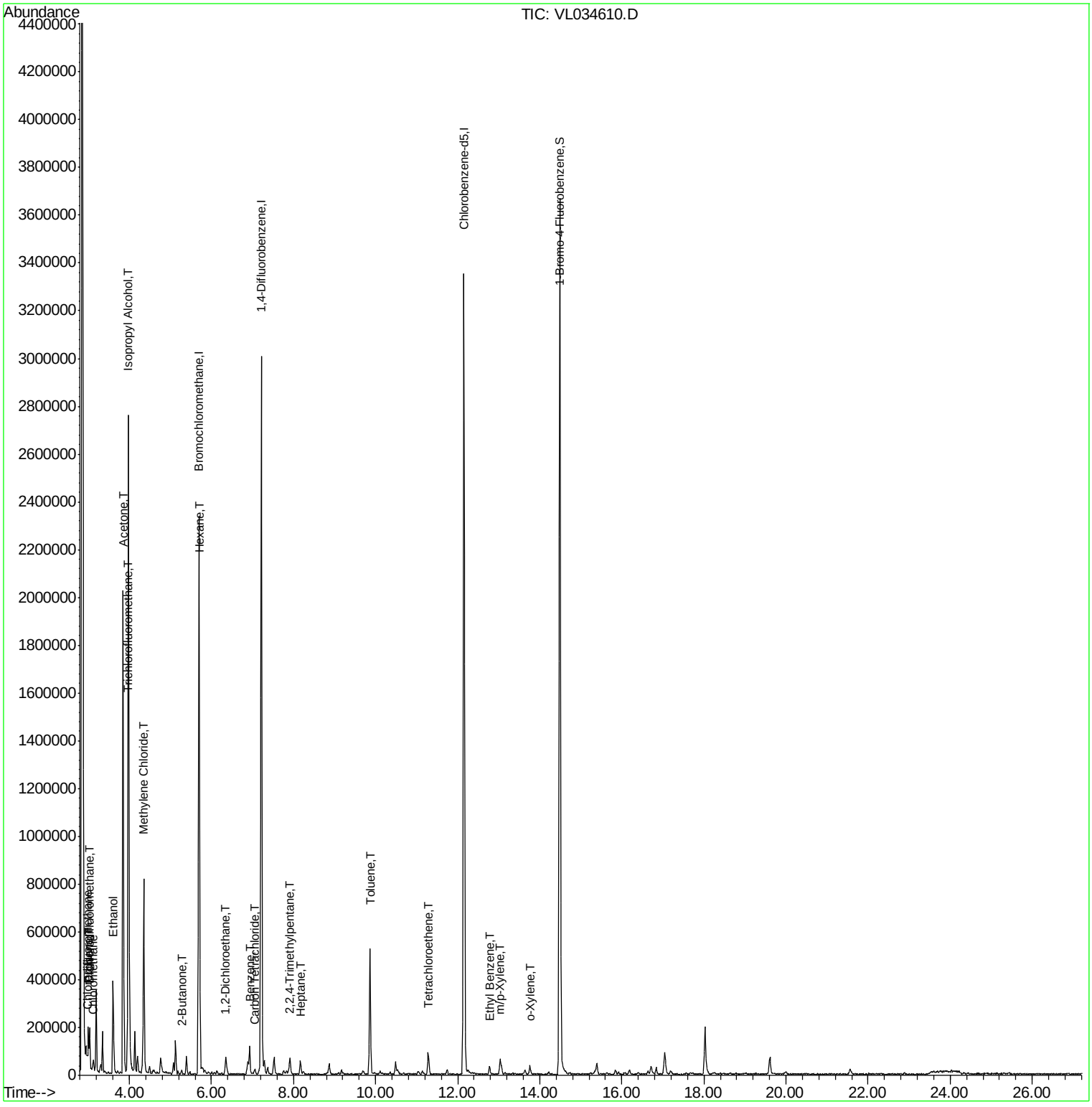
(#) = qualifier out of range (m) = manual integration (+) = signals summed

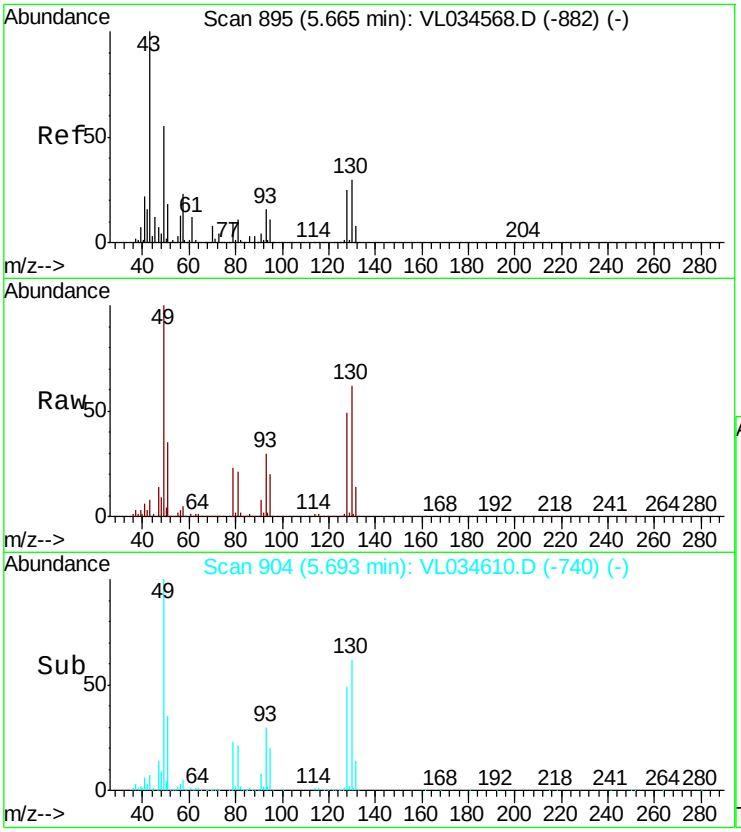
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Data File : VL034610.D
Acq On : 6 Feb 2020 22:17
Operator : SY/AP
Sample : L1435-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-6

Quant Time: Feb 10 09:46:04 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



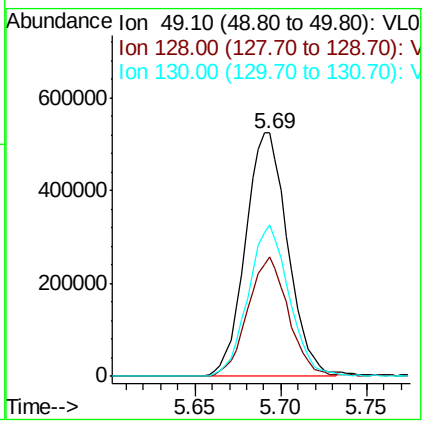


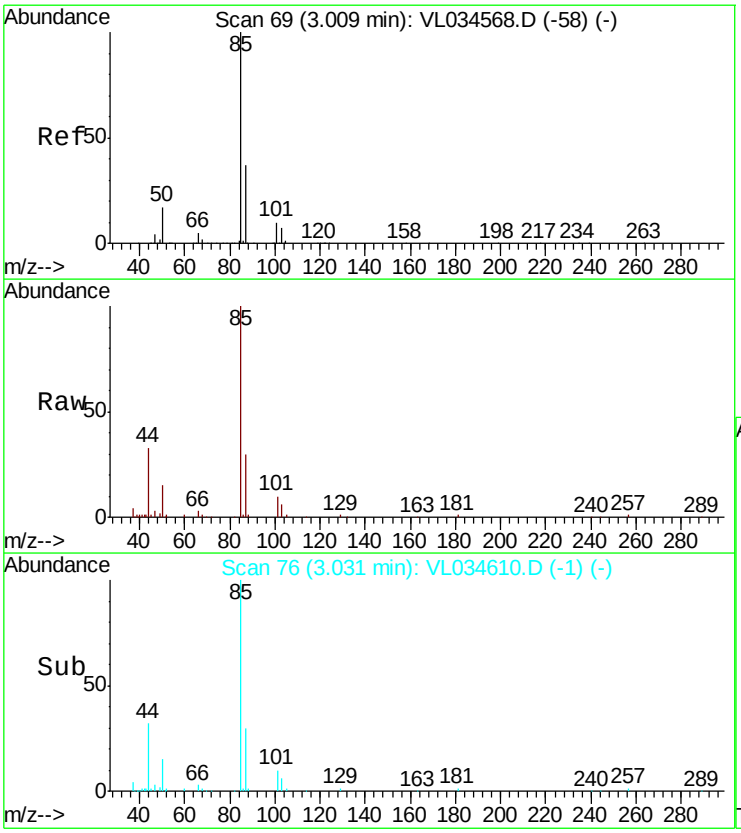
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion: 49 Resp: 894841

Ion	Ratio	Lower	Upper
49	100		
128	47.4	22.7	68.1
130	60.6	28.6	85.8

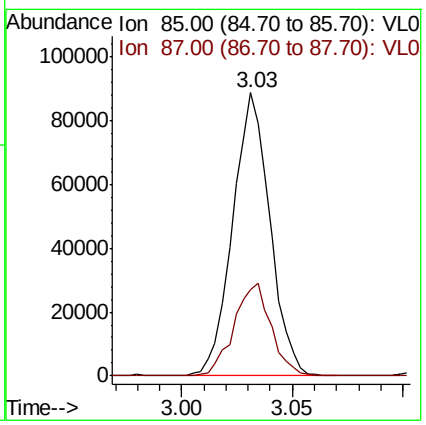


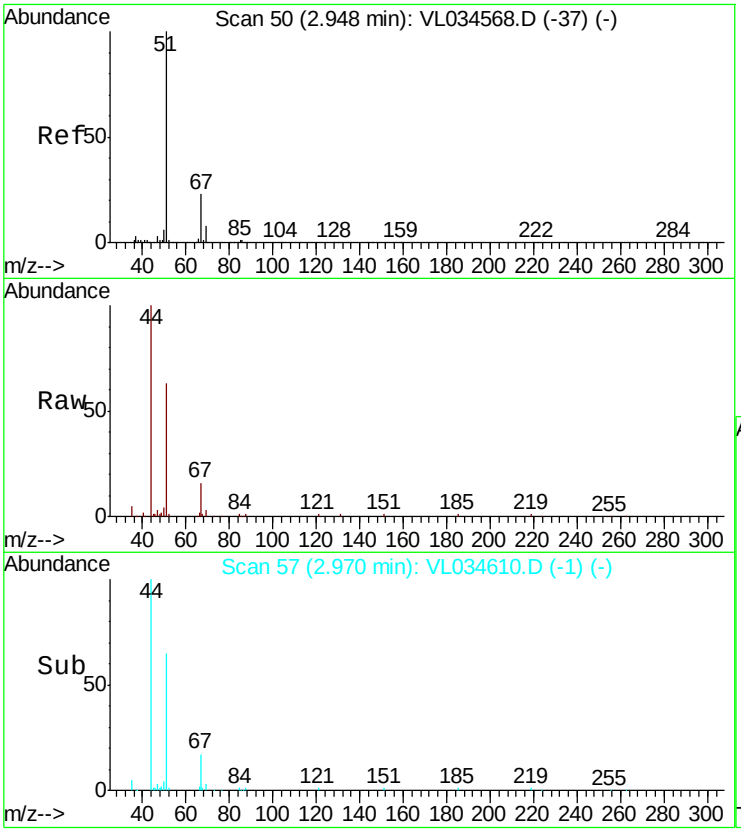


#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.02 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 85 Resp: 104363

Ion	Ratio	Lower	Upper
85	100		
87	30.3	29.5	44.3



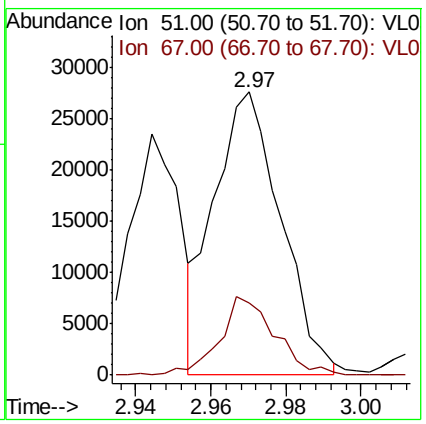


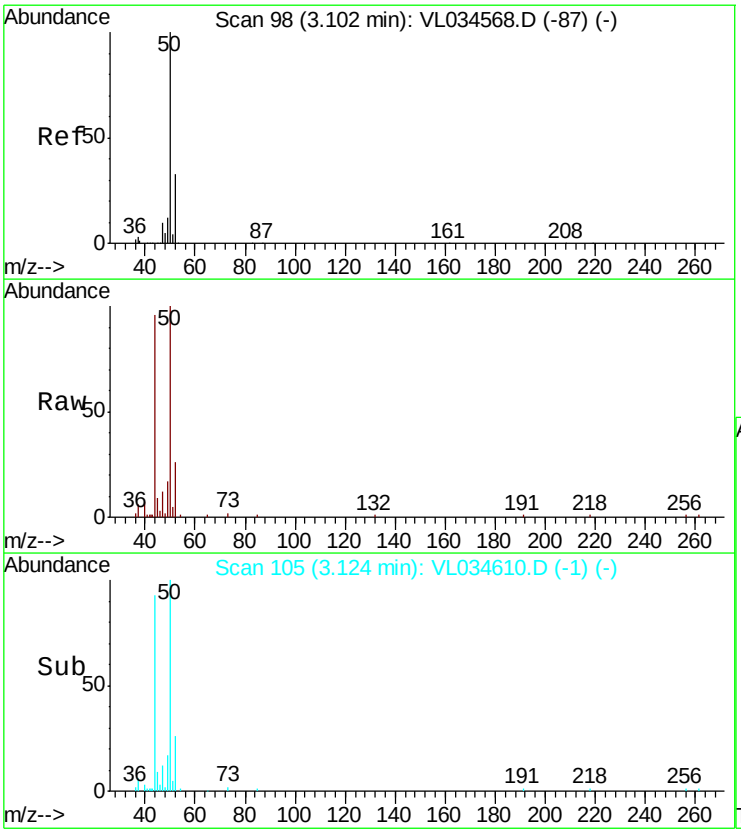
#3
Chlorodifluoromethane
Concen: 0.316 ppbv m
RT: 2.97 min Scan# 57
Delta R.T. 0.02 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion: 51 Resp: 34178

Ion	Ratio	Lower	Upper
51	100		
67	23.0	17.8	26.8

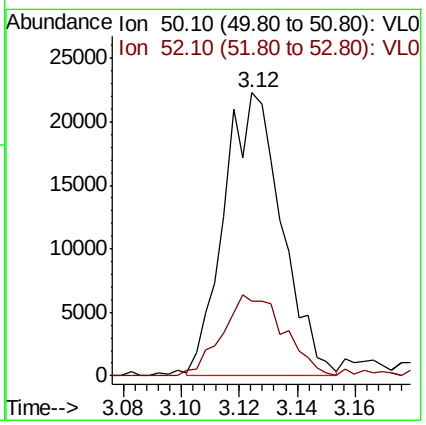


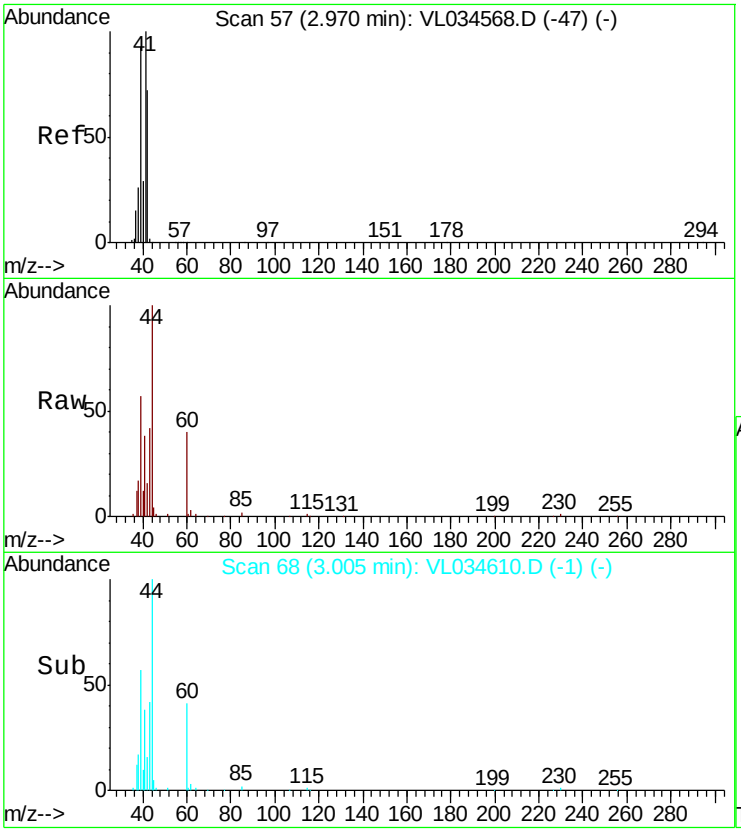


#4
Chloromethane
Concen: 0.466 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.02 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 50 Resp: 30851

Ion	Ratio	Lower	Upper
50	100		
52	26.8	26.6	39.8



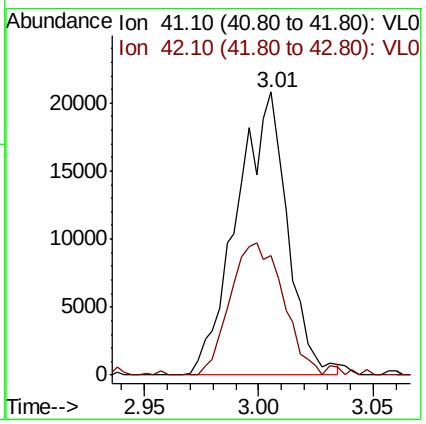


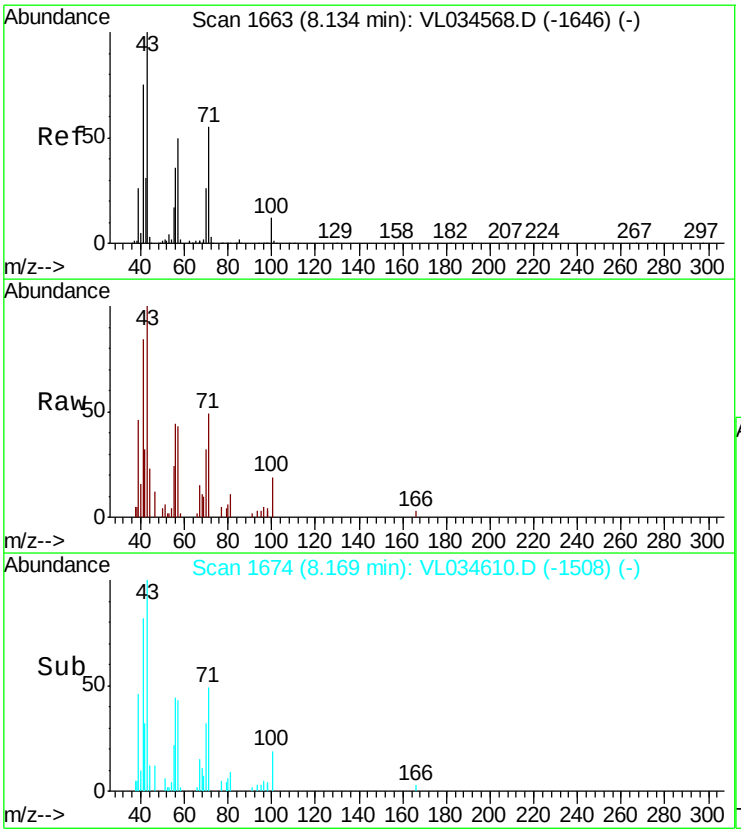
#9
Propene
Concen: 0.758 ppbv m
RT: 3.01 min Scan# 68
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion: 41 Resp: 31893

Ion	Ratio	Lower	Upper
41	100		
42	172.1	57.0	85.4#

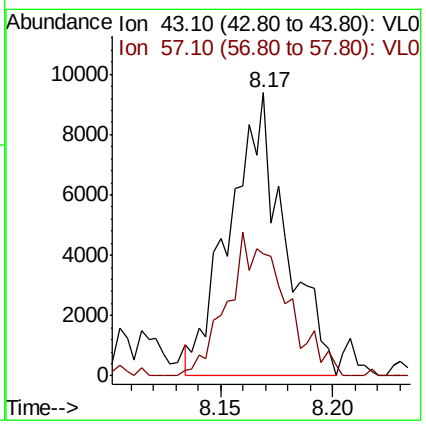


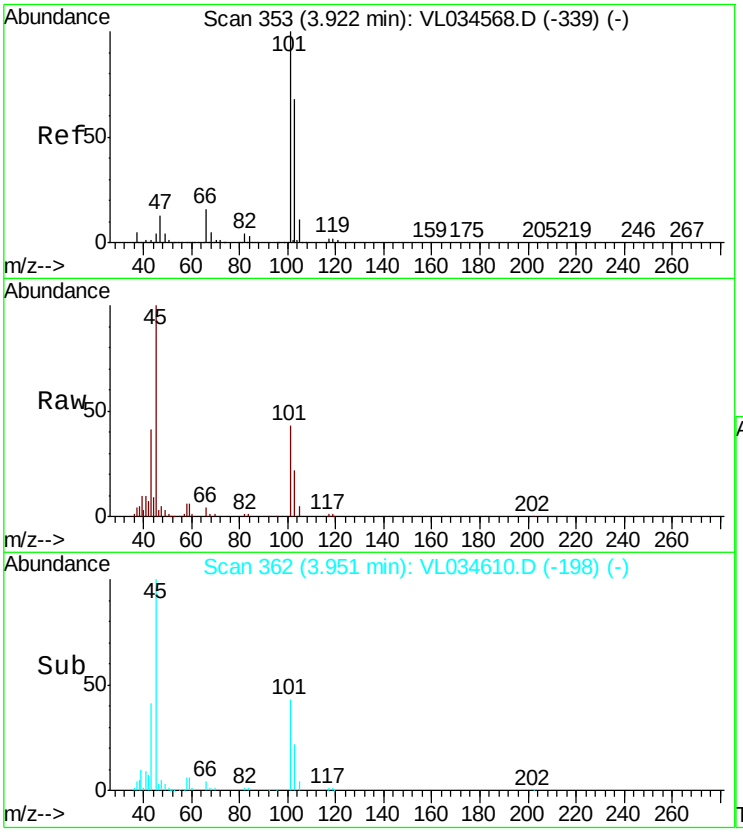


#10
Heptane
Concen: 0.152 ppbv m
RT: 8.17 min Scan# 1674
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 43 Resp: 16127

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.2	61.8#



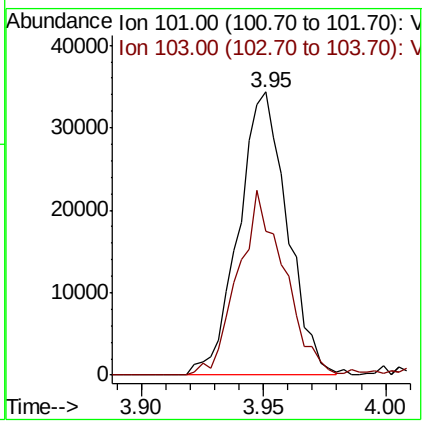


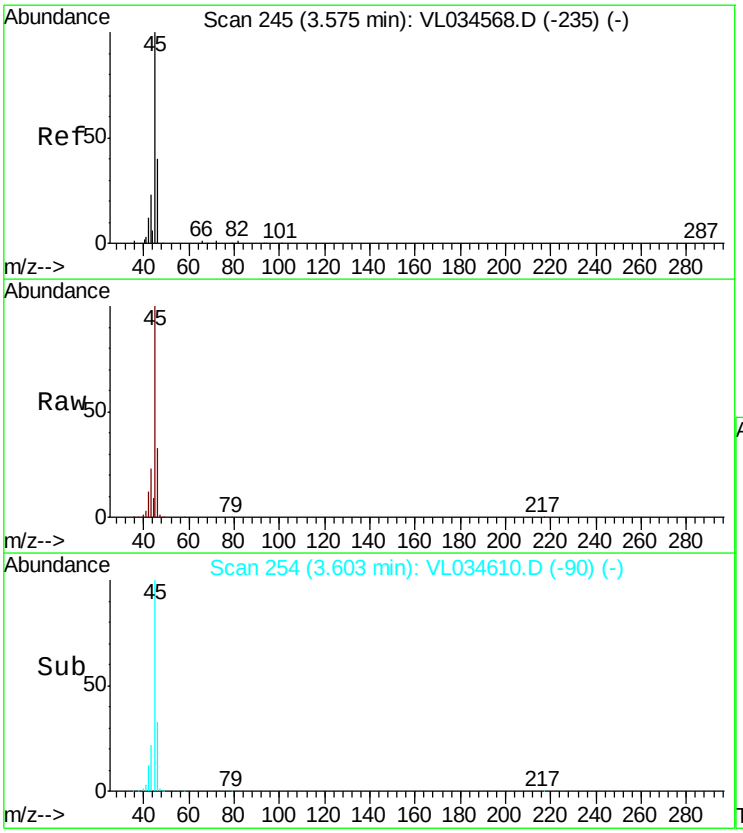
#11
Trichlorofluoromethane
Concen: 0.264 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion:101 Resp: 47300

Ion	Ratio	Lower	Upper
101	100		
103	51.0	54.4	81.6#

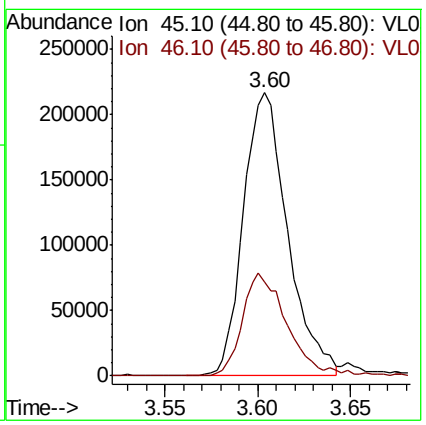


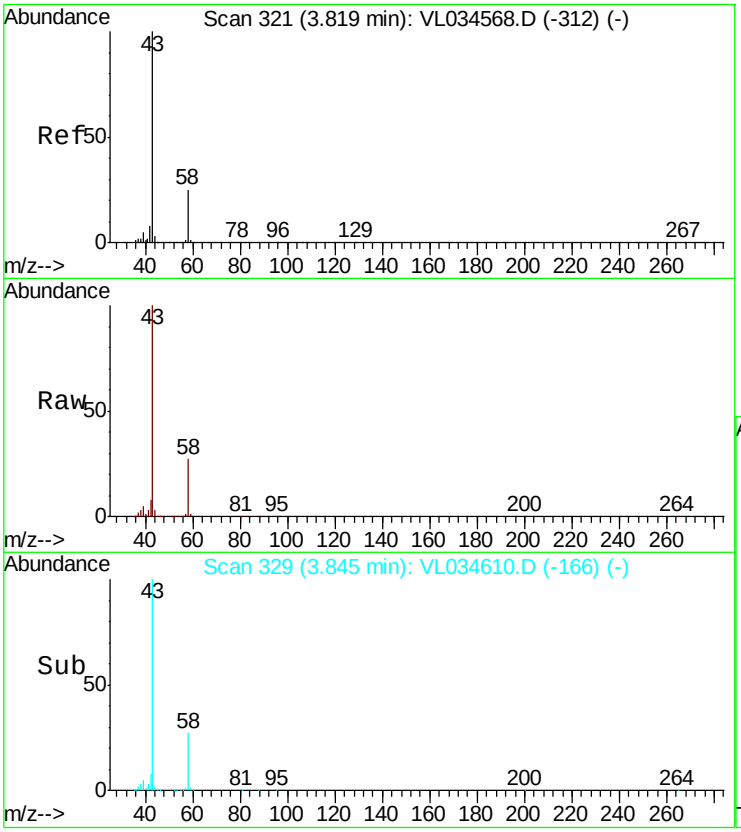


#13
Ethanol
Concen: 32.017 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 45 Resp: 361043

Ion	Ratio	Lower	Upper
45	100		
46	37.2	14.8	59.2



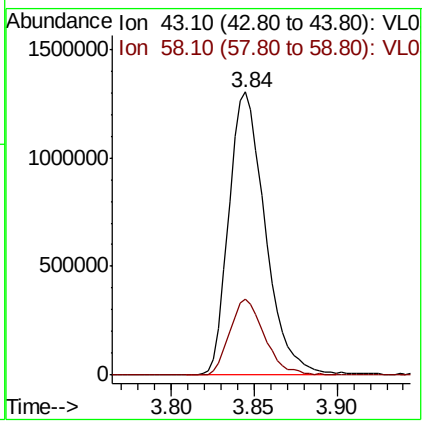


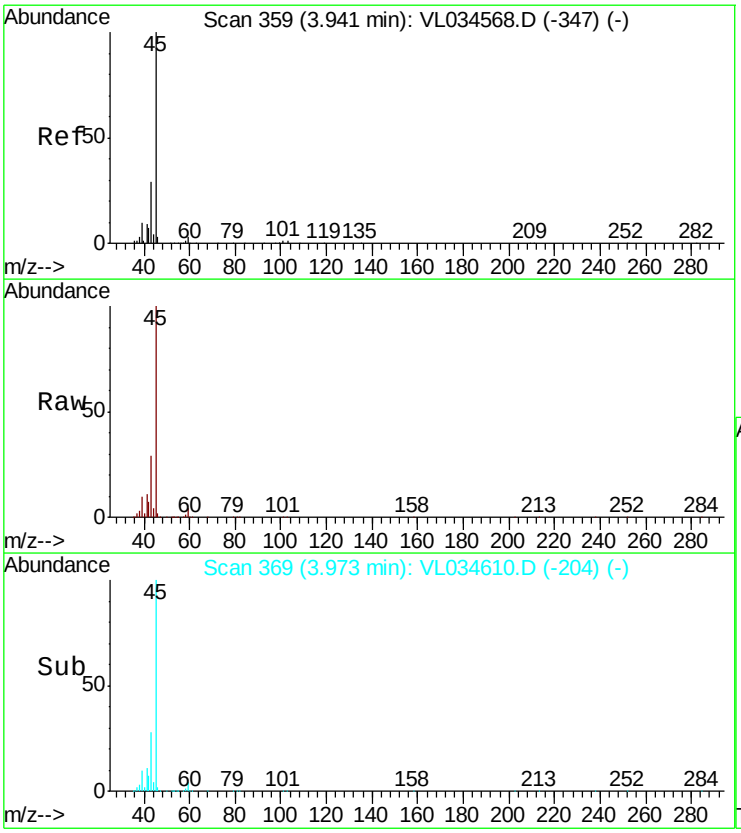
#15
Acetone
Concen: 15.116 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument : MSVOA_L
ClientSampleId : IA-6

Tgt Ion: 43 Resp: 1988007

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.3	30.5

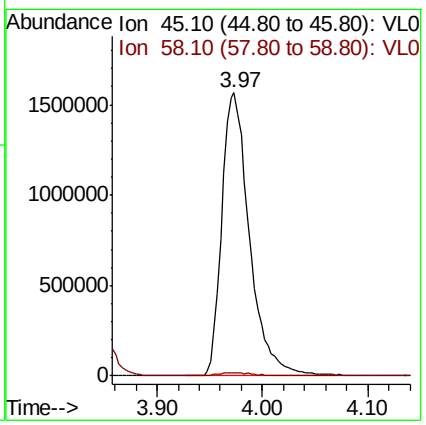


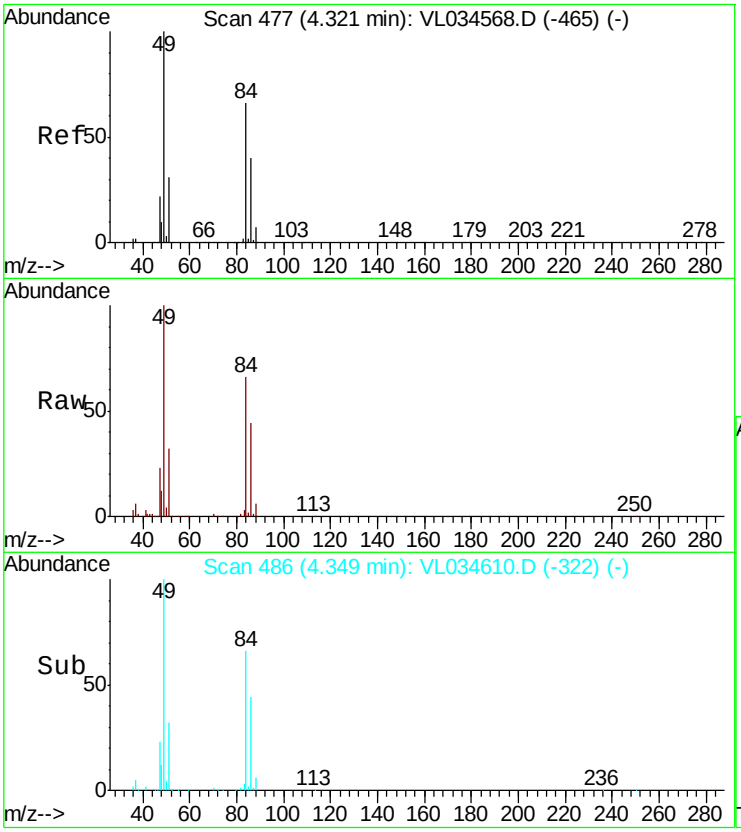


#19
Isopropyl Alcohol
Concen: 37.100 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 45 Resp: 2847335

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.7	2.5



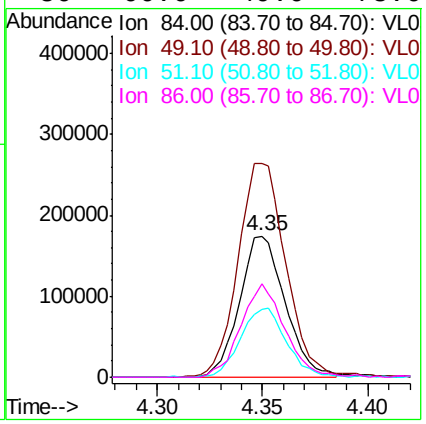


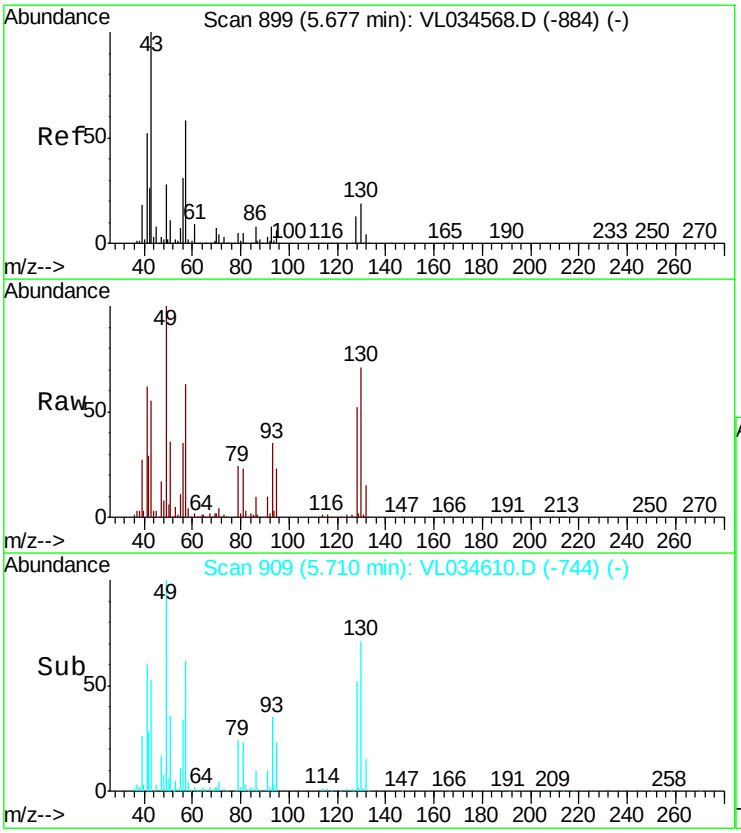
#20
Methylene Chloride
Concen: 5.223 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument : MSVOA_L
ClientSampleId : IA-6

Tgt Ion: 84 Resp: 261545

Ion	Ratio	Lower	Upper
84	100		
49	150.7	122.4	183.6
51	47.9	38.6	57.8
86	66.6	49.0	73.6

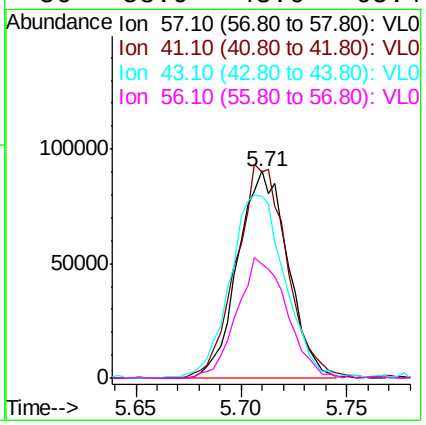


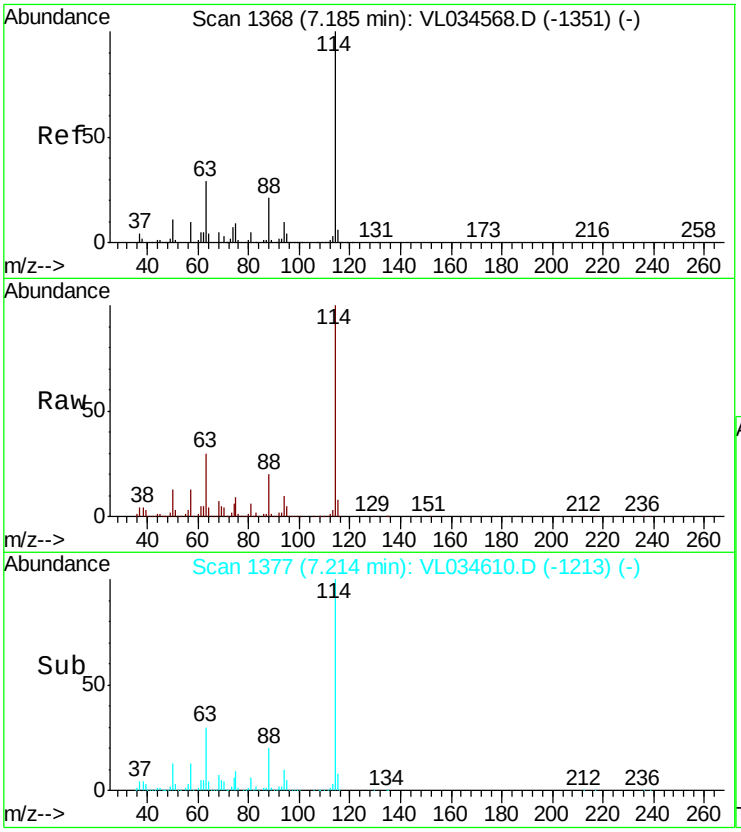


#26
Hexane
Concen: 1.674 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 57 Resp: 149290

Ion	Ratio	Lower	Upper
57	100		
41	105.2	76.2	114.2
43	99.0	189.9	284.9#
56	58.0	43.6	65.4



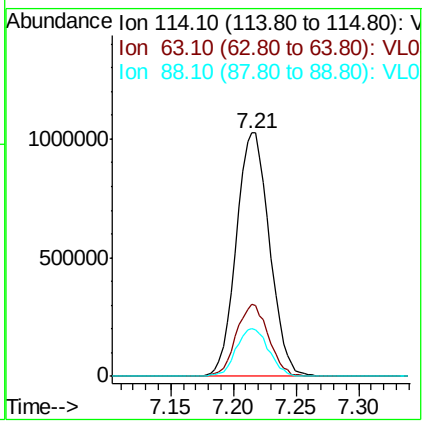


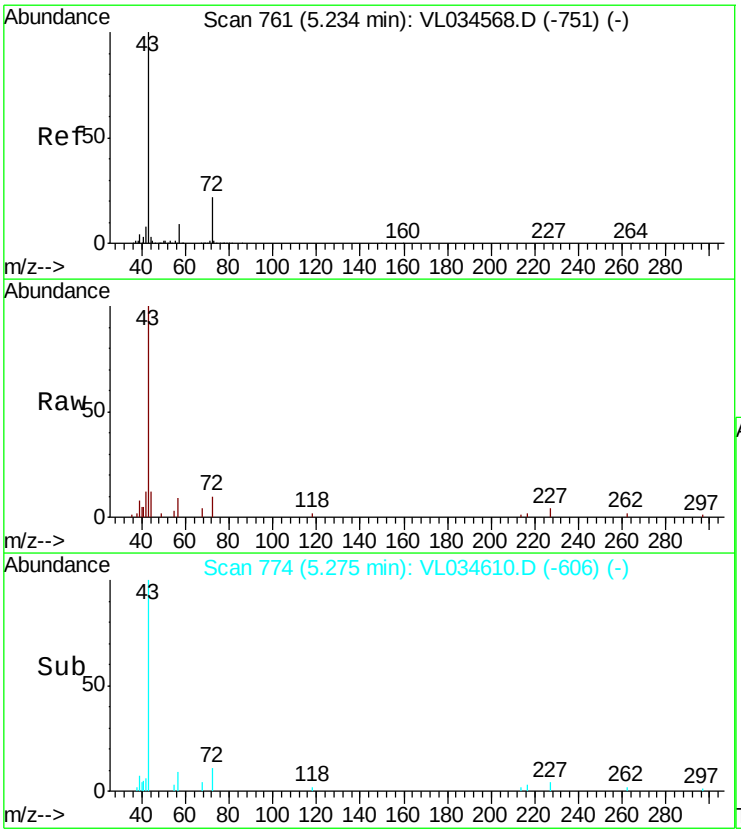
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion:114 Resp: 1891092

Ion	Ratio	Lower	Upper
114	100		
63	28.8	24.1	36.1
88	19.3	15.9	23.9

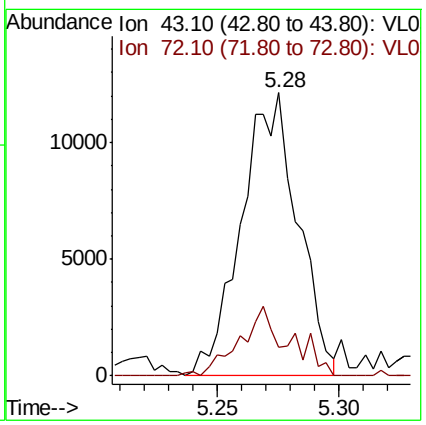


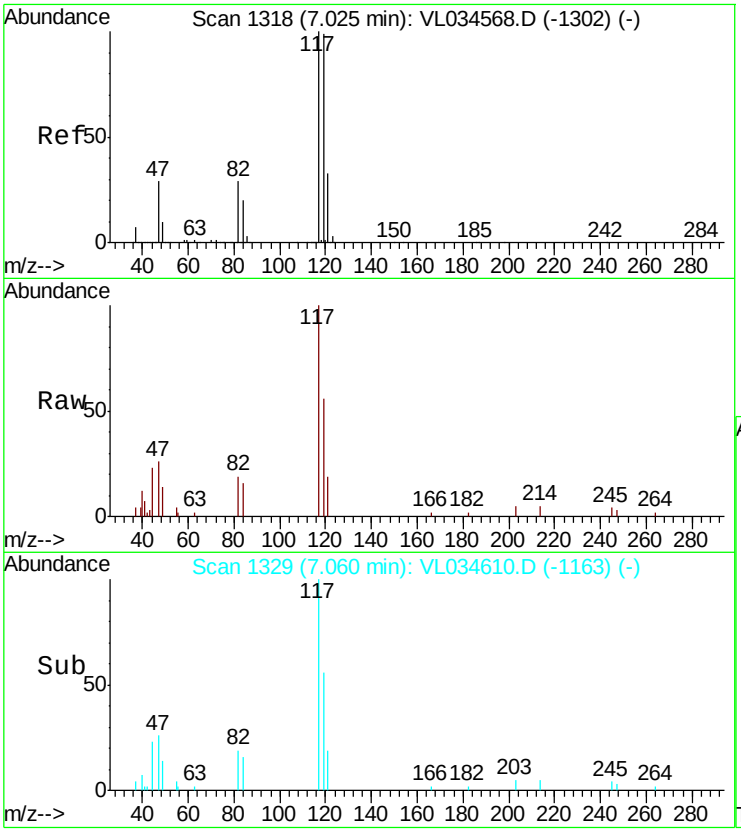


#34
2-Butanone
Concen: 0.143 ppbv m
RT: 5.28 min Scan# 774
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 43 Resp: 19589

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.2	25.8



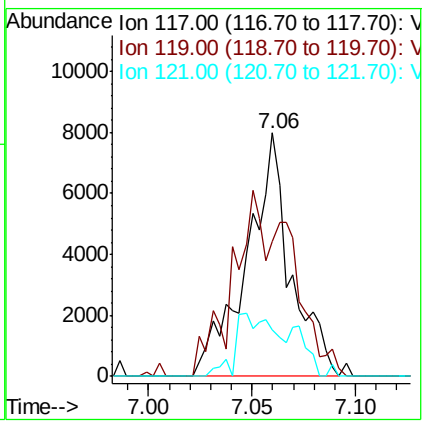


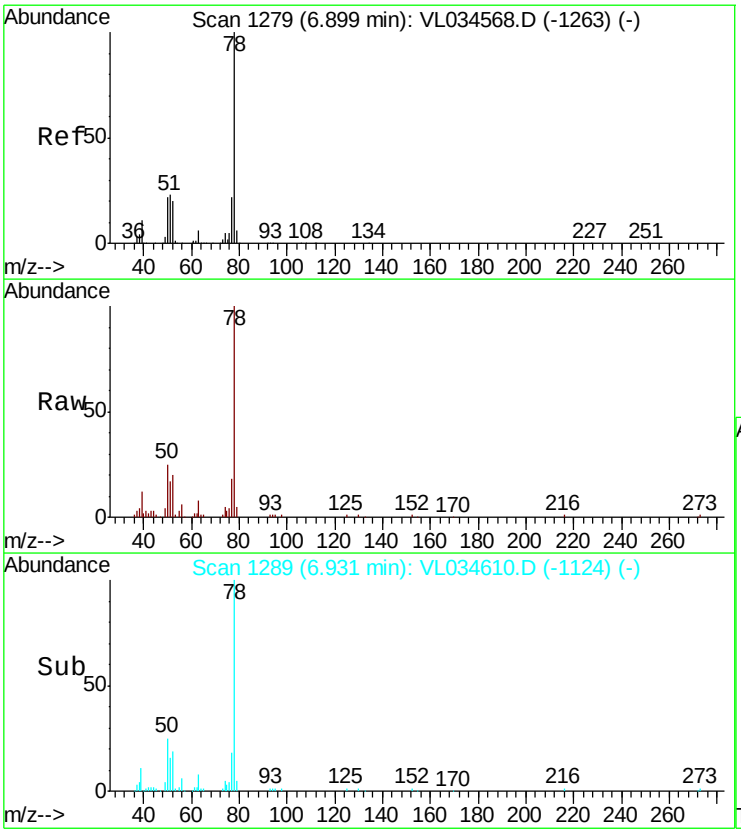
#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.06 min Scan# 1329
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion:117 Resp: 11732

Ion	Ratio	Lower	Upper
117	100		
119	55.5	79.5	119.3#
121	19.3	26.2	39.2#

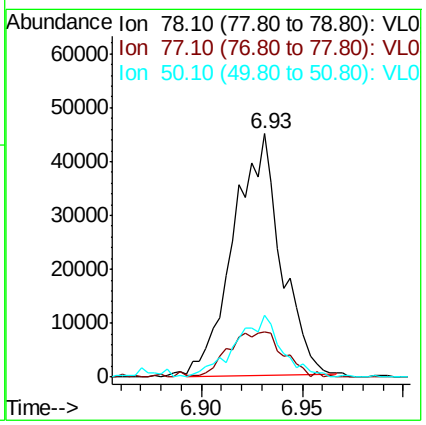


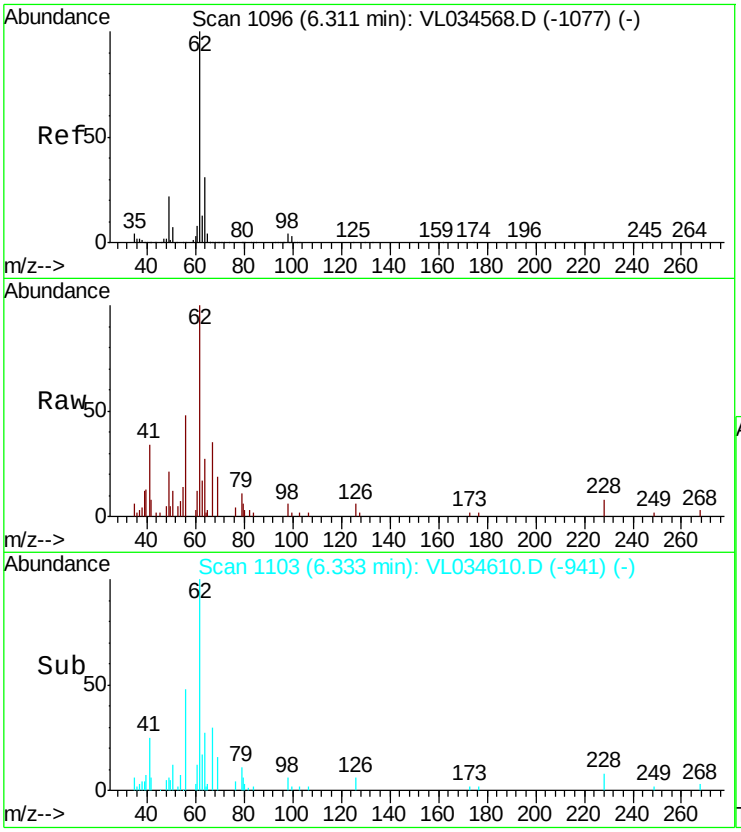


#36
Benzene
Concen: 0.442 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 78 Resp: 74269

Ion	Ratio	Lower	Upper
78	100		
77	18.6	17.3	25.9
50	25.4	17.4	26.2



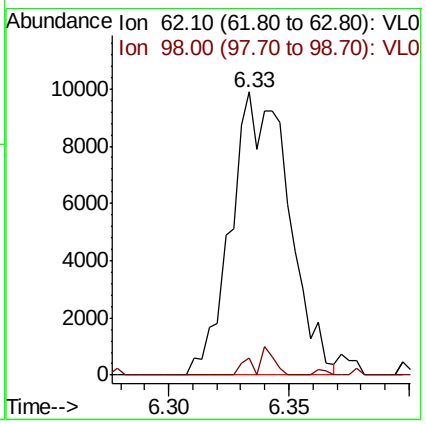


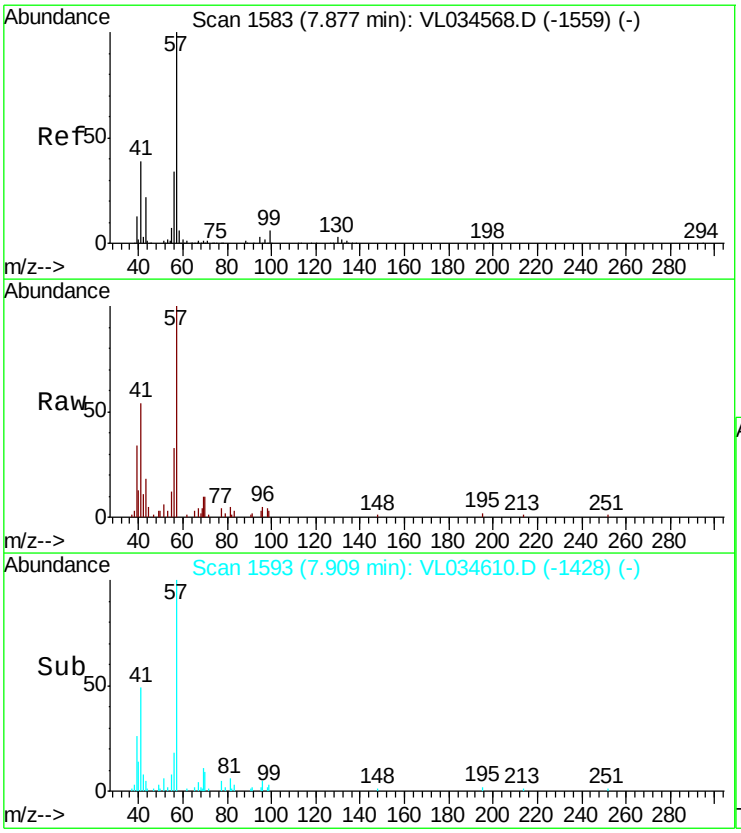
#37
1,2-Dichloroethane
Concen: 0.118 ppbv m
RT: 6.33 min Scan# 1103
Delta R.T. 0.02 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion: 62 Resp: 16526

Ion	Ratio	Lower	Upper
62	100		
98	4.1	3.7	5.5

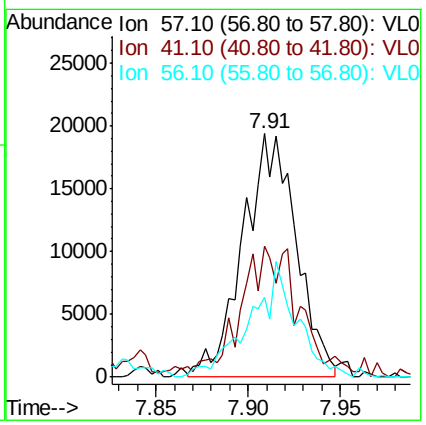


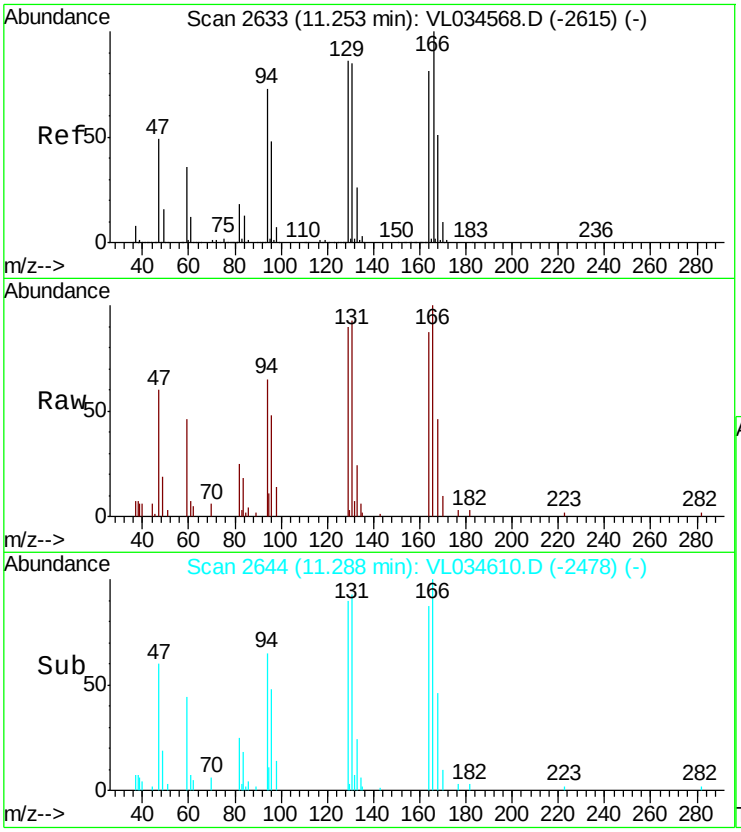


#44
2,2,4-Trimethylpentane
Concen: 0.127 ppbv m
RT: 7.91 min Scan# 1593
Delta R.T. 0.03 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 57 Resp: 38893

Ion	Ratio	Lower	Upper
57	100		
41	60.6	28.9	43.3#
56	42.1	25.5	38.3#



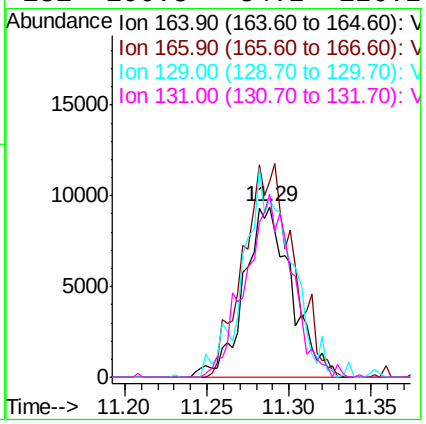


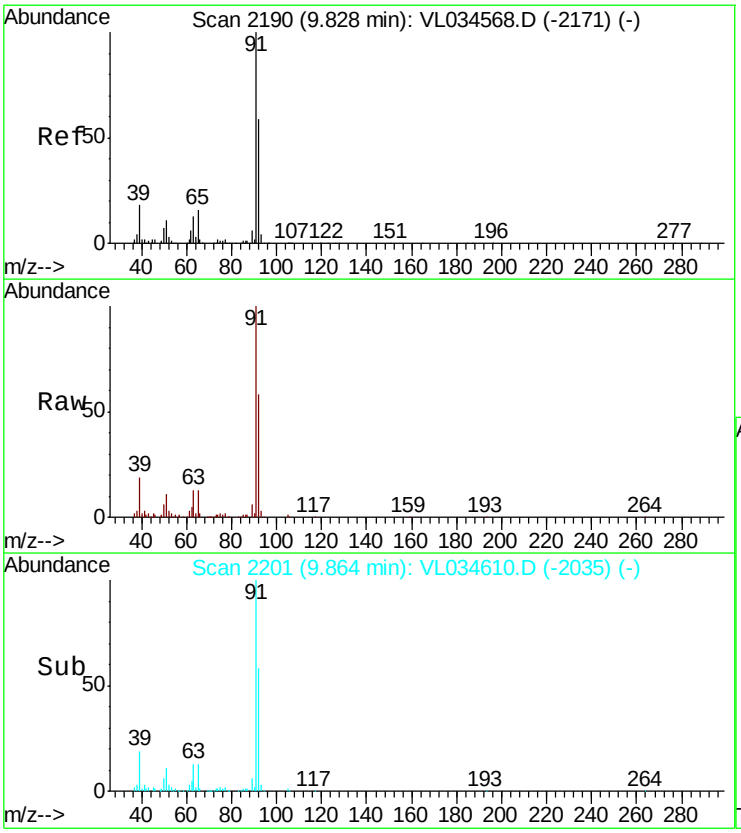
#52
Tetrachloroethene
Concen: 0.280 ppbv m
RT: 11.29 min Scan# 2644
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion:164 Resp: 18925

Ion	Ratio	Lower	Upper
164	100		
166	114.9	99.0	148.4
129	103.8	85.3	127.9
131	106.8	84.2	126.2

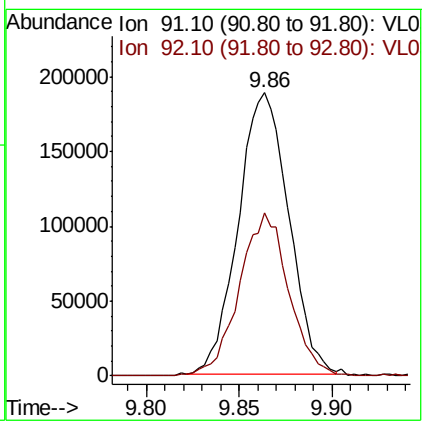


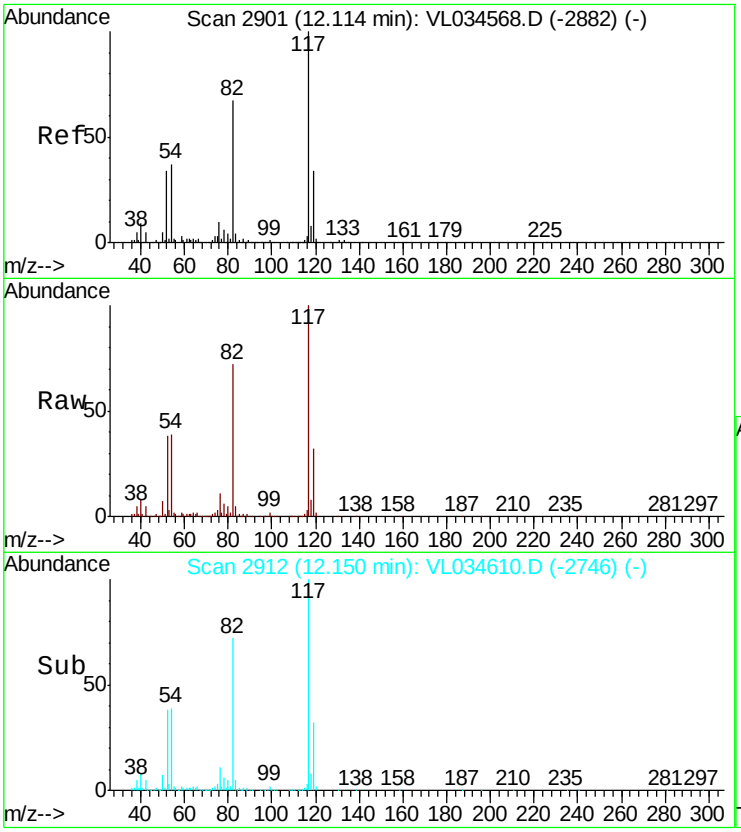


#53
Toluene
Concen: 1.922 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 91 Resp: 355145

Ion	Ratio	Lower	Upper
91	100		
92	57.0	48.2	72.2



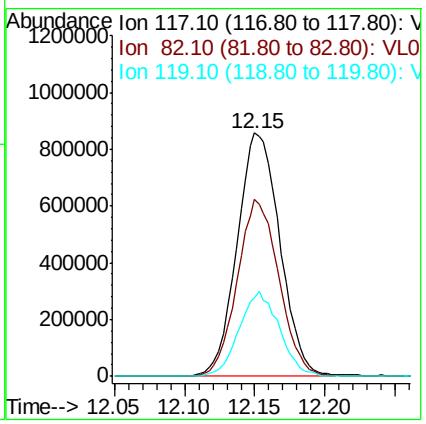


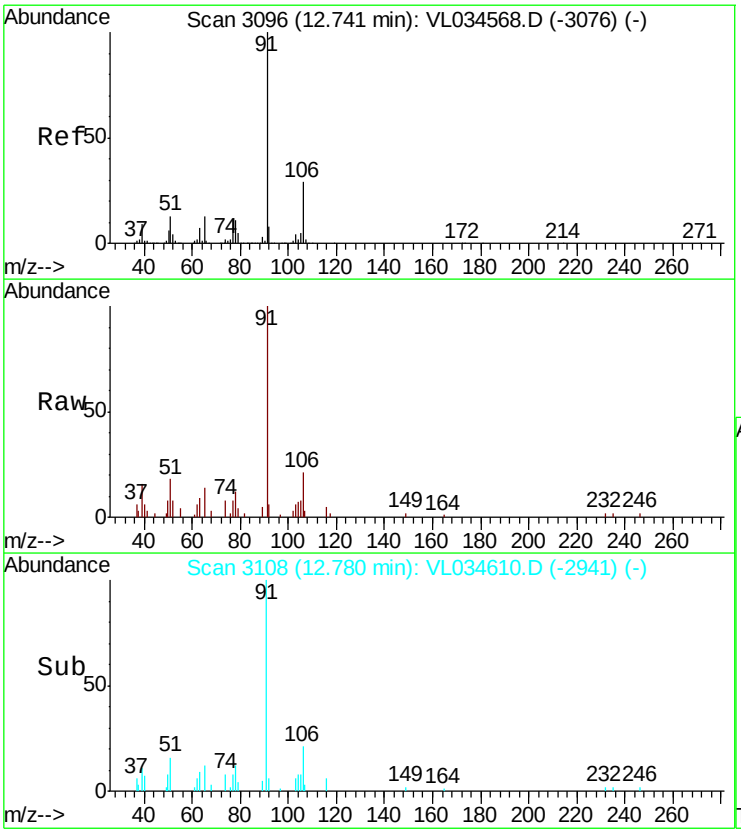
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument : MSVOA_L
ClientSampleId : IA-6

Tgt Ion:117 Resp: 1818219

Ion	Ratio	Lower	Upper
117	100		
82	71.5	54.2	81.4
119	33.1	26.1	39.1

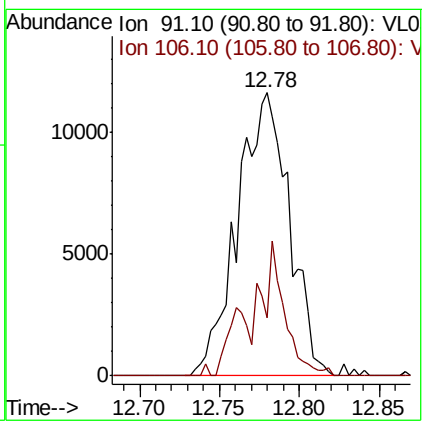


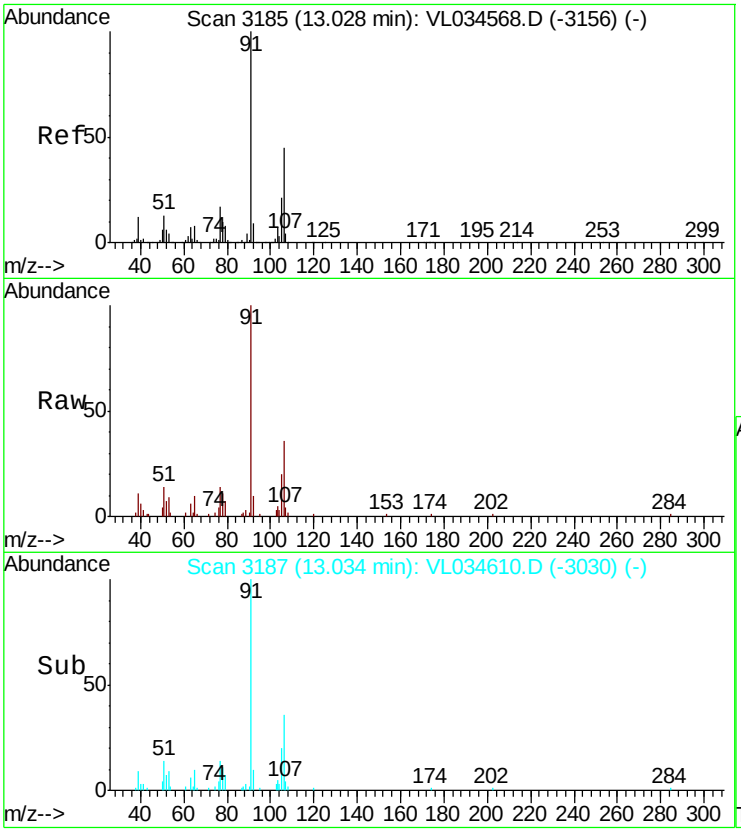


#58
Ethyl Benzene
Concen: 0.108 ppbv m
RT: 12.78 min Scan# 3108
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 91 Resp: 26258

Ion	Ratio	Lower	Upper
91	100		
106	20.5	23.3	34.9#



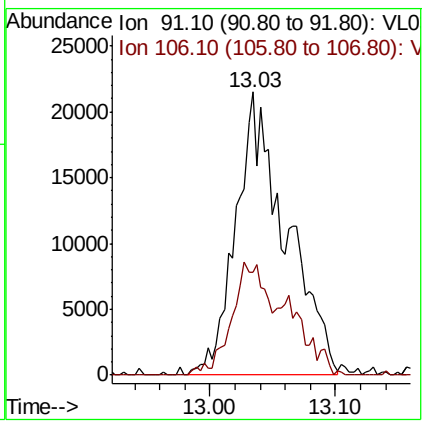


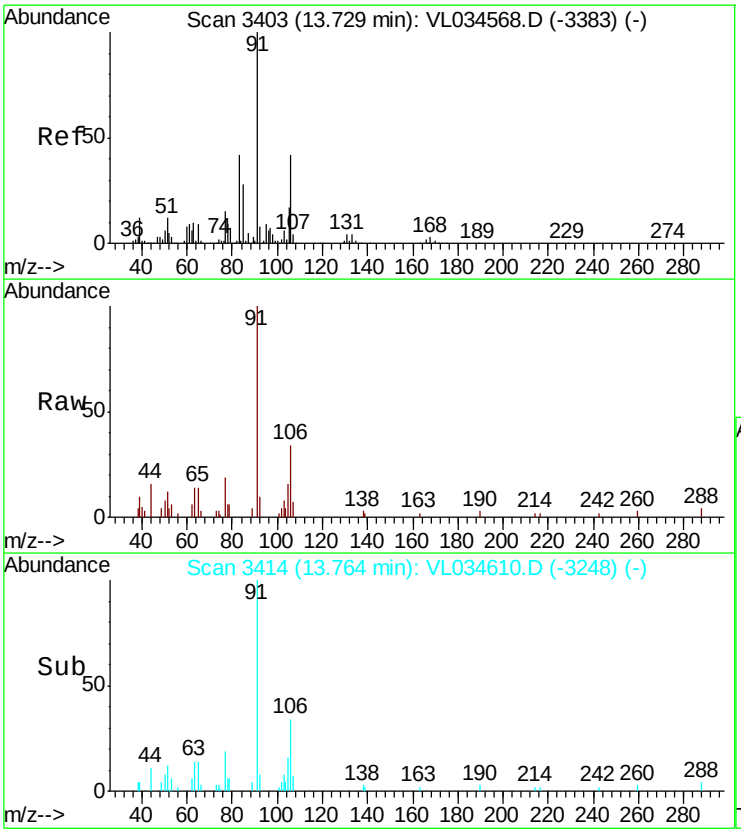
#59
m/p-Xylene
Concen: 0.277 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument : MSVOA_L
ClientSampleId : IA-6

Tgt Ion: 91 Resp: 59609

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#

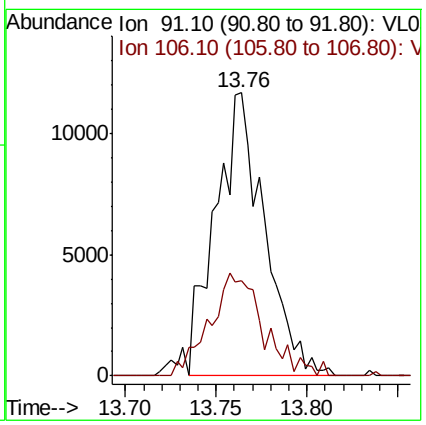


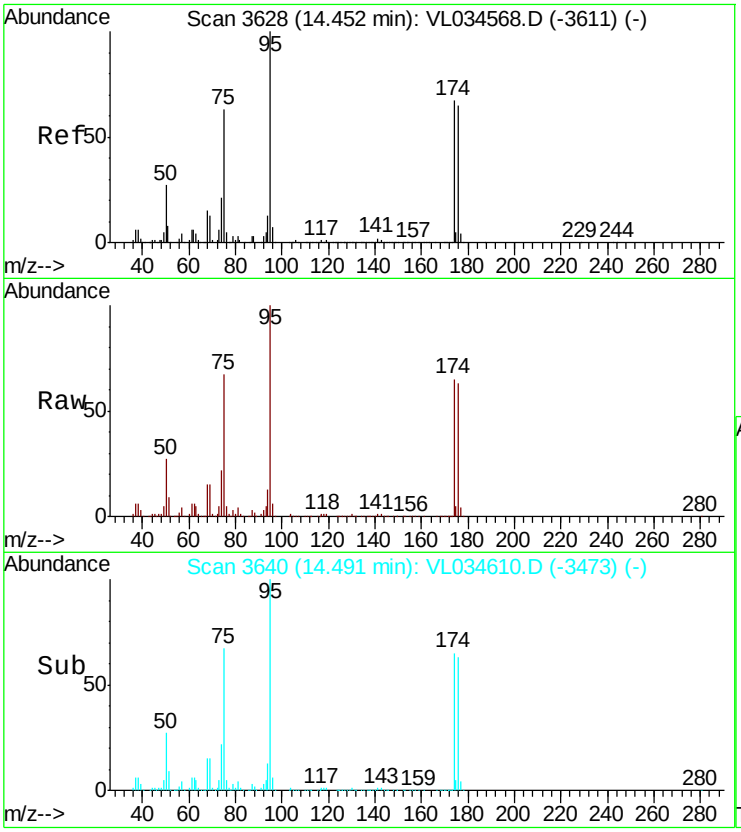


#60
o-Xylene
Concen: 0.101 ppbv m
RT: 13.76 min Scan# 3414
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Tgt Ion: 91 Resp: 21854

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	65.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.423 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.04 min
Lab File: VL034610.D
Acq: 6 Feb 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
IA-6

Tgt Ion: 95 Resp: 1601672

Ion	Ratio	Lower	Upper
95	100		
174	63.4	52.3	78.5
175	4.6	3.8	5.6