Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025609.D
Acq On : 7 Jul 2015 13:52
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Jul 07 14:57:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 07 13:08:42 2015
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	550814	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.32	114	1448251	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.74	117	1876970	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	1621576	10.46	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.80	85	4684	0.04	ppbv		95
3) Chlorodifluoromethane	3.57	51	2867	0.04	ppbv	#	86
4) Chloromethane	3.76	50	1159	0.03	ppbv	#	42
8) Dichlorotetrafluoroethane	3.80	85	4684	0.05	ppbv		86
11) Trichlorofluoromethane	4.69	101	4661	0.03	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	5.31	101	3695	0.05	ppbv		97
13) Ethanol	3.88	45	250	0.05	ppbv	#	35
15) Acetone	4.65	43	13216	0.16	ppbv	#	79
20) Methylene Chloride	5.15	84	2694	0.08	ppbv		89
21) Allyl Chloride	5.23	41	2109	0.04	ppbv	#	83
29) Chloroform	6.75	83	4663	0.04	ppbv		92
34) 2-Butanone	6.13	43	2673	0.03	ppbv	#	48
35) Carbon Tetrachloride	8.16	117	4791	0.04	ppbv		87
38) Trichloroethene	9.06	130	1903	0.03	ppbv	#	80
42) Bromodichloromethane	9.03	83	3757	0.03	ppbv	#	88
57) Chlorobenzene	13.81	112	6871	0.04	ppbv	#	97
63) 1,1,2,2-Tetrachloroethane	15.49	83	6364	0.03	ppbv	#	87
75) 1,3-Dichlorobenzene	19.13	146	5863	0.03	ppbv		96
78) Hexachloro-1,3-Butadiene	24.67	225	5049	0.05	ppbv		97

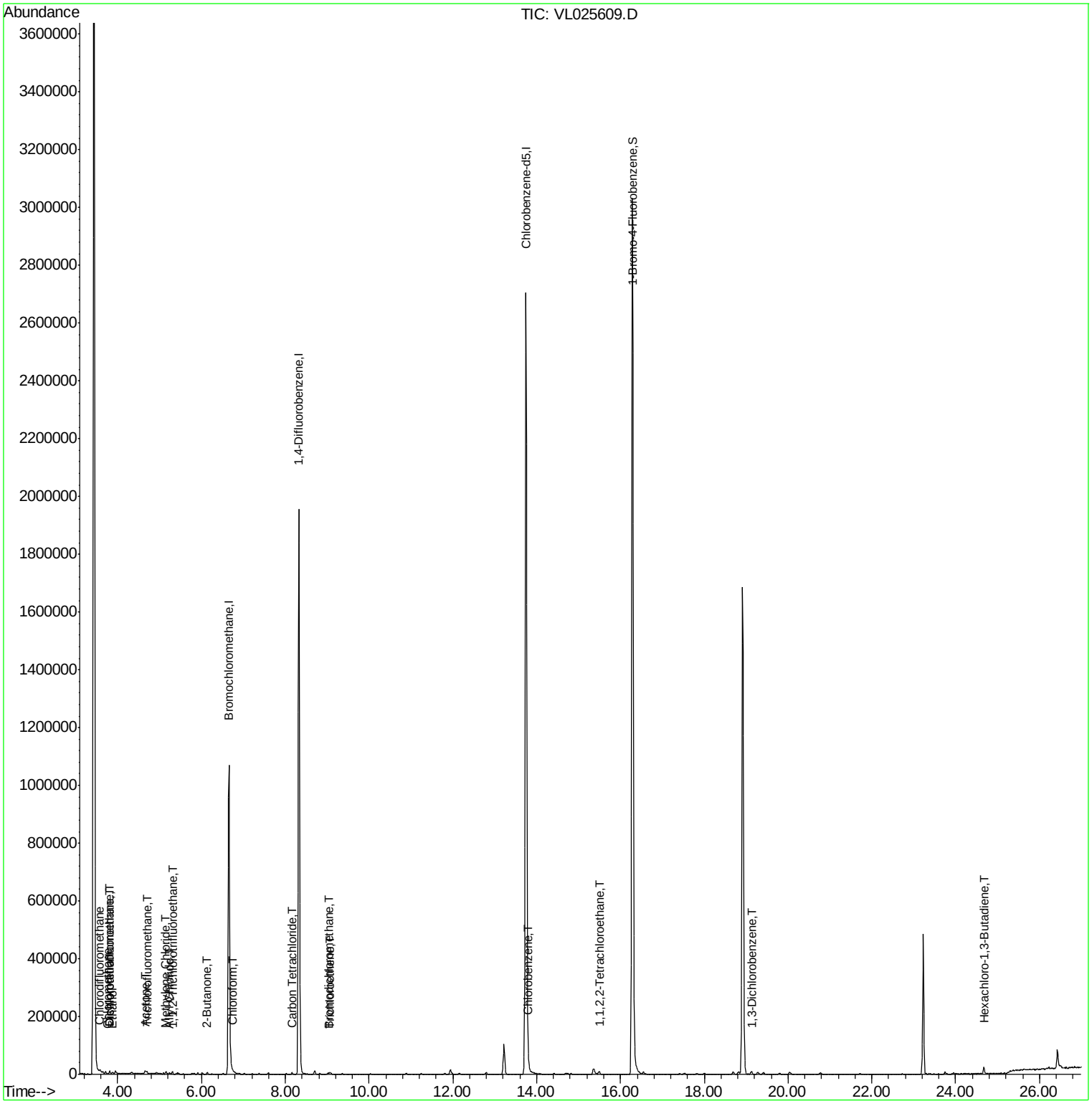
(#) = qualifier out of range (m) = manual integration (+) = signals summed

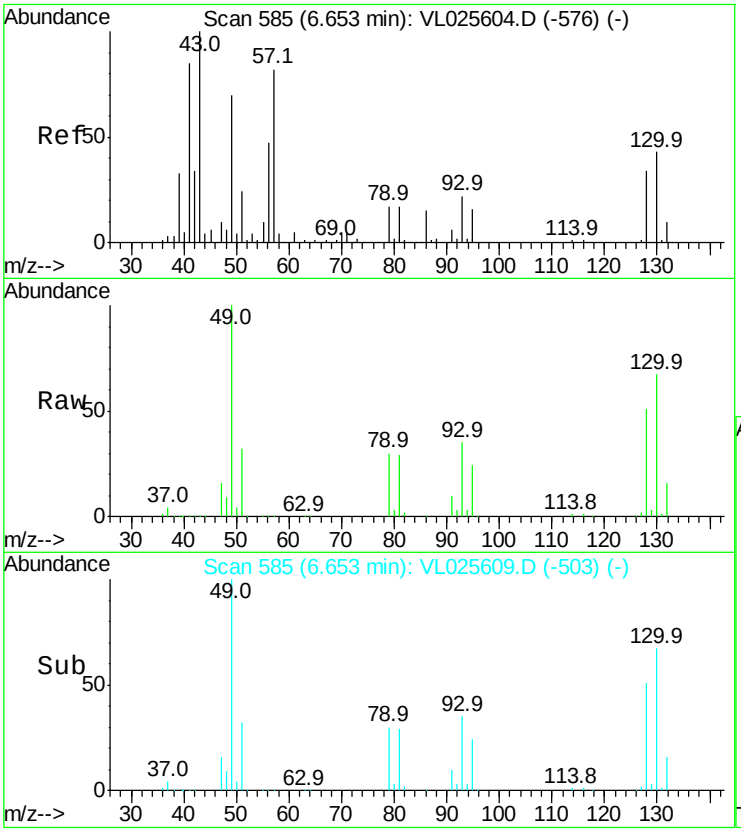
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025609.D
Acq On : 7 Jul 2015 13:52
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 07 14:57:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 07 13:08:42 2015
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration



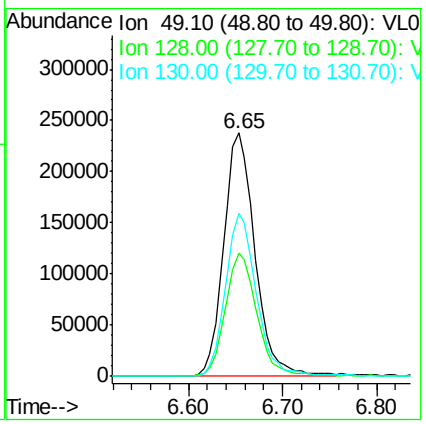


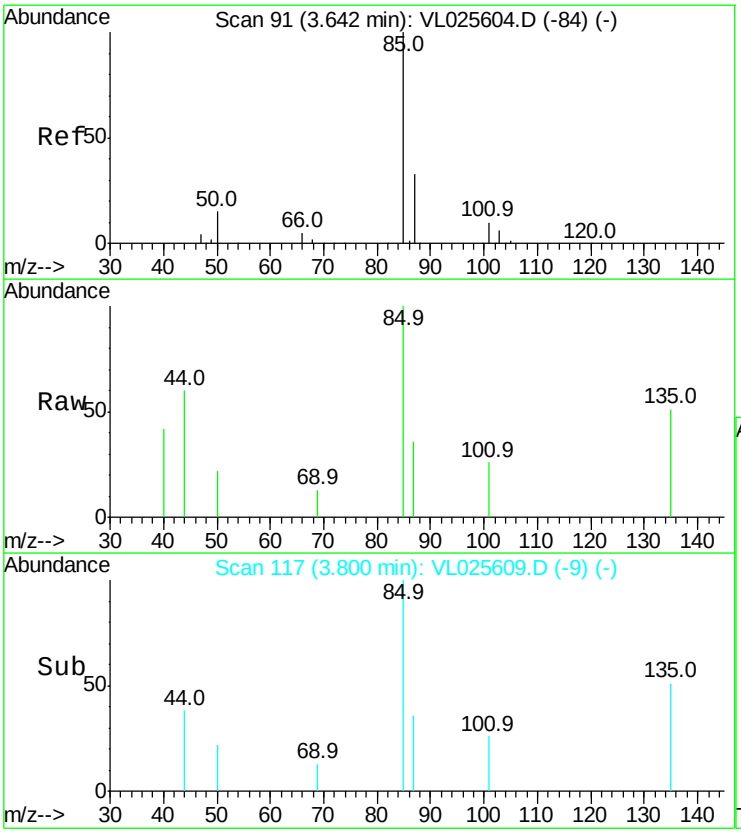
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 585
Delta R.T. -0.00 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 550814

Ion	Ratio	Lower	Upper
49	100		
128	51.3	25.4	76.0
130	67.3	31.9	95.9

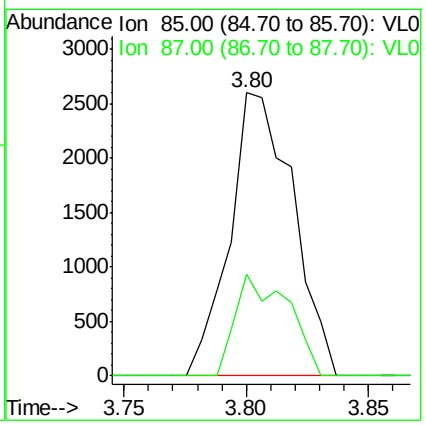


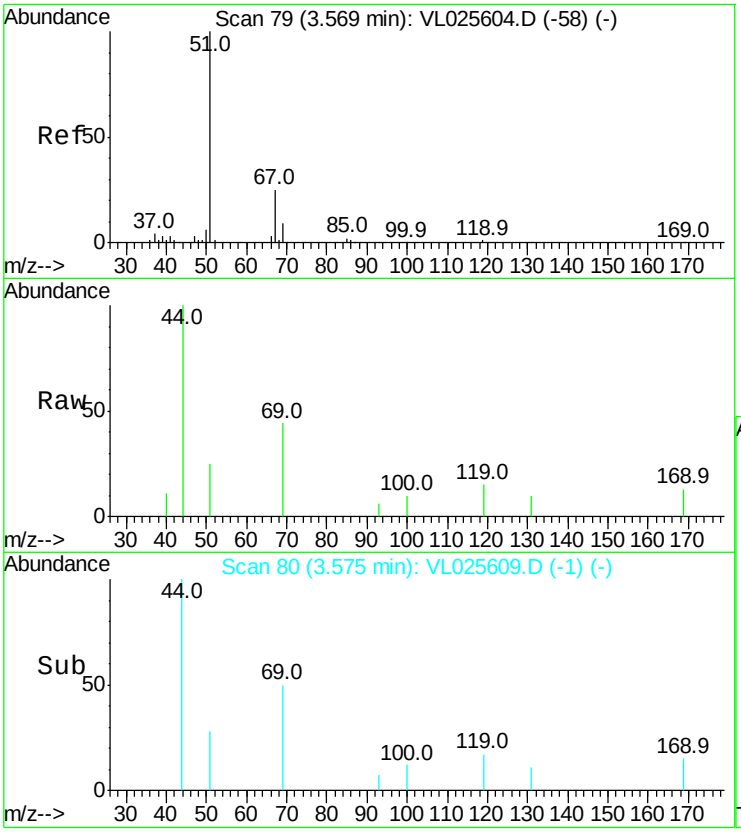


#2
Dichlorodifluoromethane
Concen: 0.04 ppbv
RT: 3.80 min Scan# 117
Delta R.T. 0.16 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 85 Resp: 4684

Ion	Ratio	Lower	Upper
85	100		
87	36.0	26.5	39.7



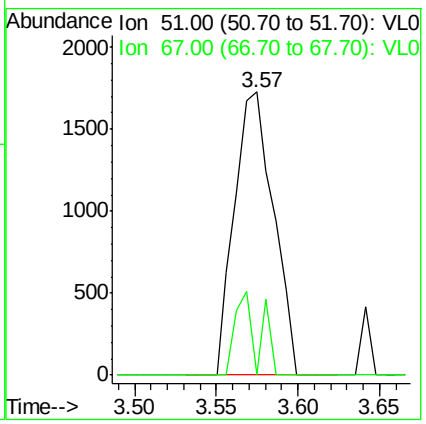


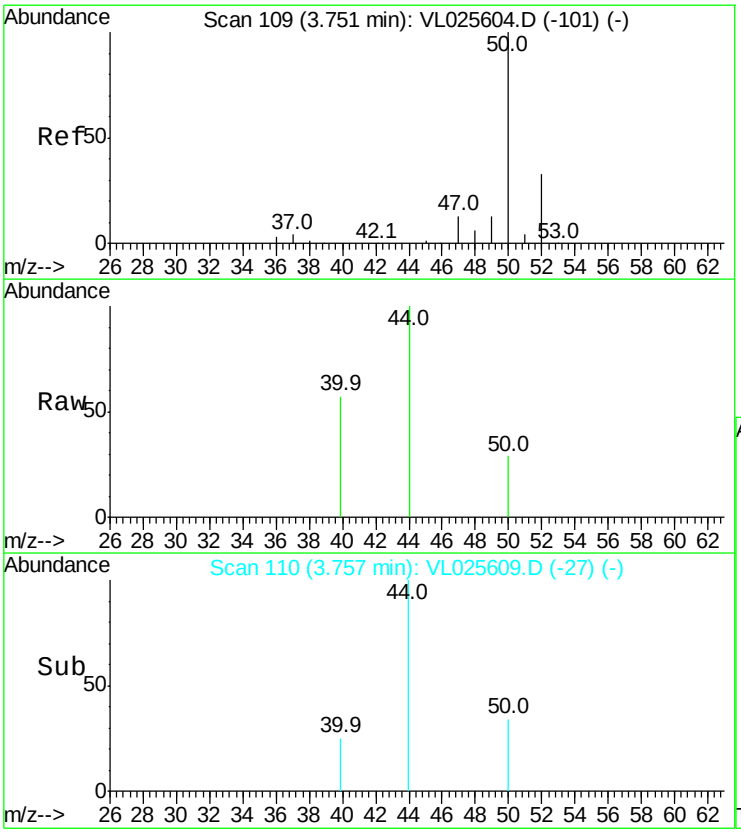
#3
Chlorodifluoromethane
Concen: 0.04 ppbv
RT: 3.57 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 2867

Ion	Ratio	Lower	Upper
51	100		
67	17.4	19.5	29.3#

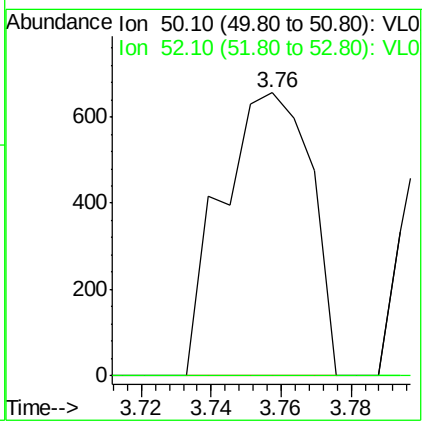


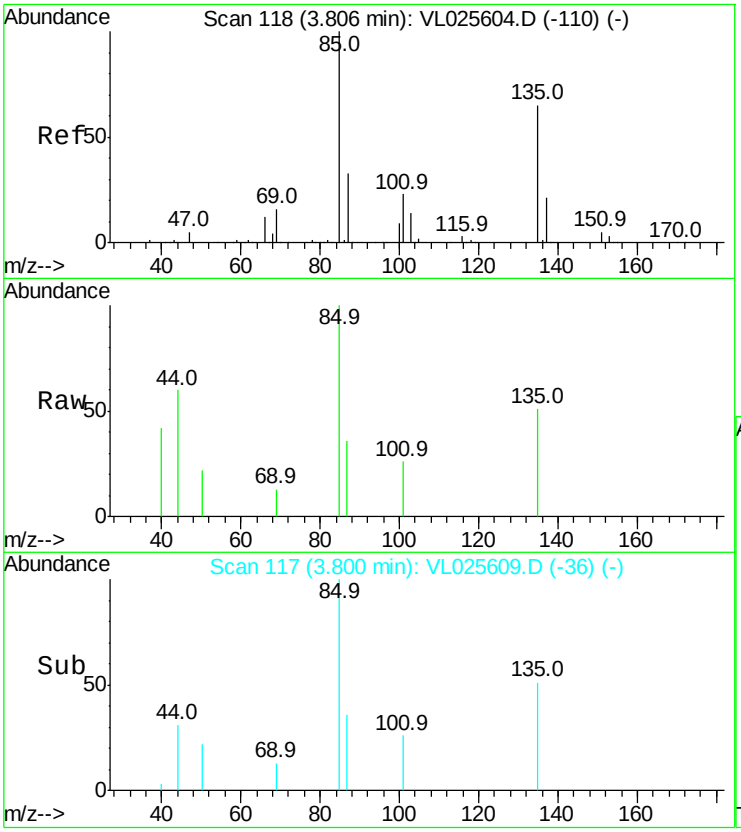


#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 50 Resp: 1159

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.2	39.2#



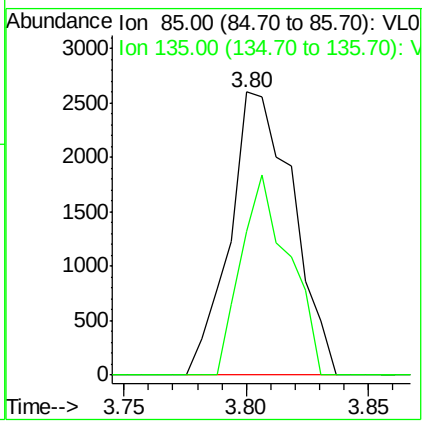


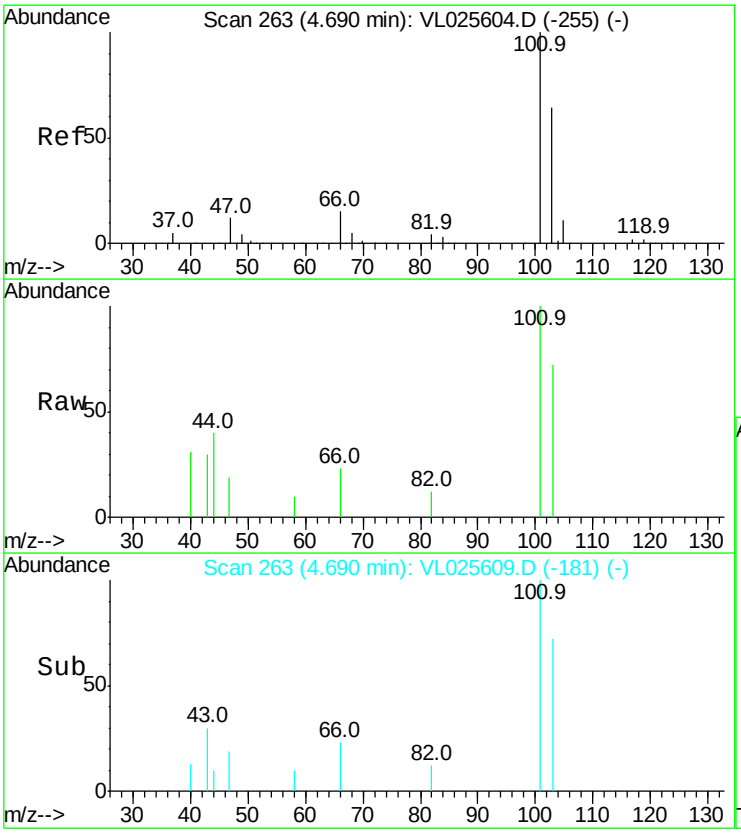
#8
Dichlorotetrafluoroethane
Concen: 0.05 ppbv
RT: 3.80 min Scan# 117
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 85 Resp: 4684

Ion	Ratio	Lower	Upper
85	100		
135	53.9	52.2	78.4

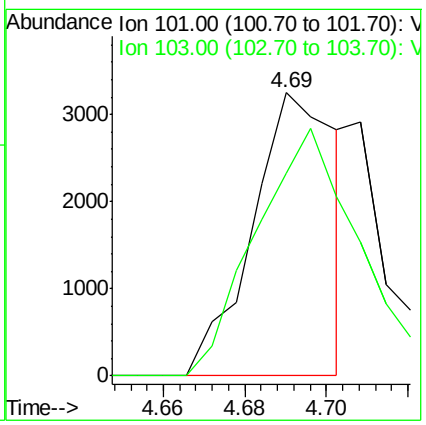


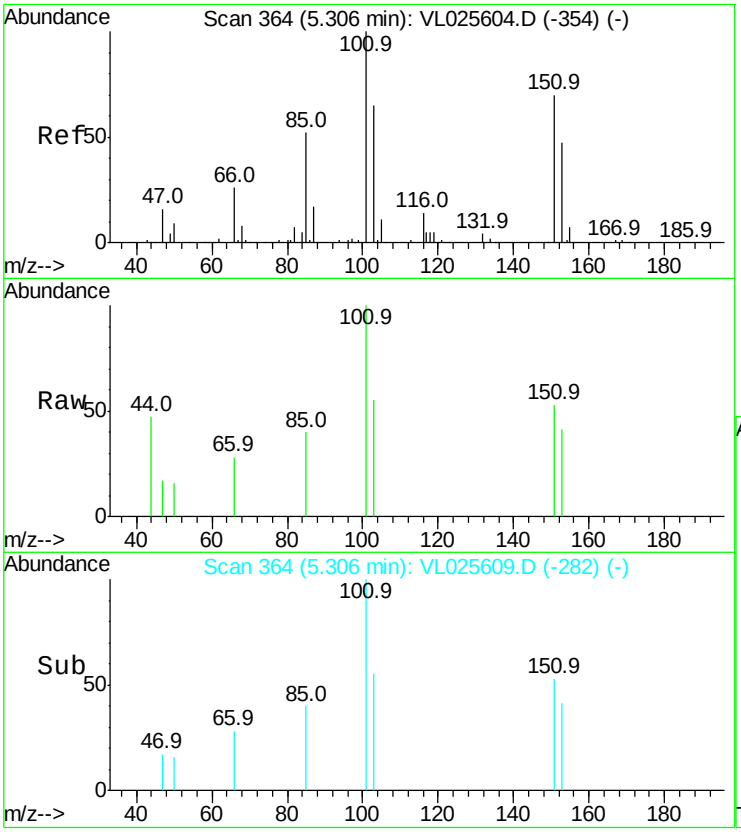


#11
Trichlorofluoromethane
Concen: 0.03 ppbv
RT: 4.69 min Scan# 263
Delta R.T. -0.00 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:101 Resp: 4661

Ion	Ratio	Lower	Upper
101	100		
103	71.6	51.4	77.2



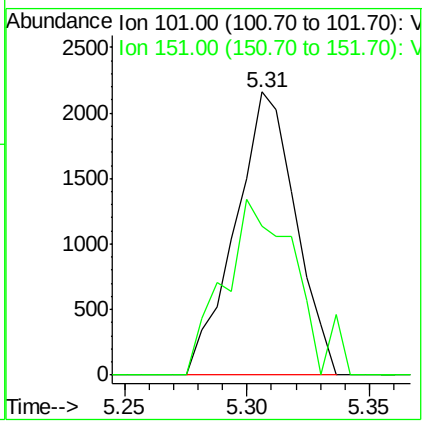


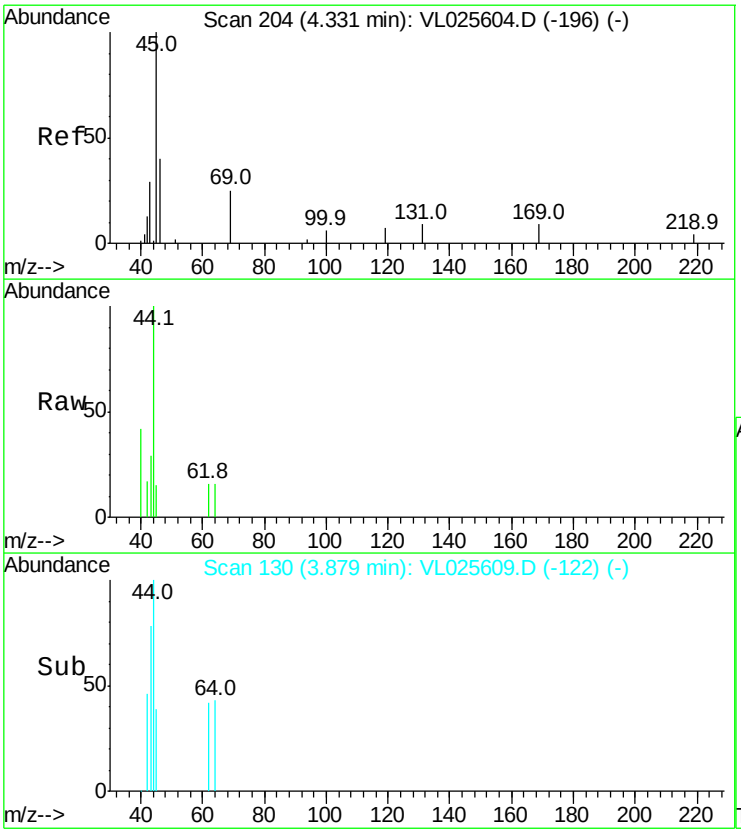
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 5.31 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 3695

Ion	Ratio	Lower	Upper
101	100		
151	73.2	56.3	84.5

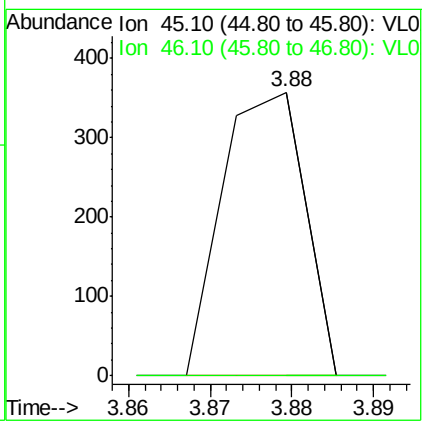


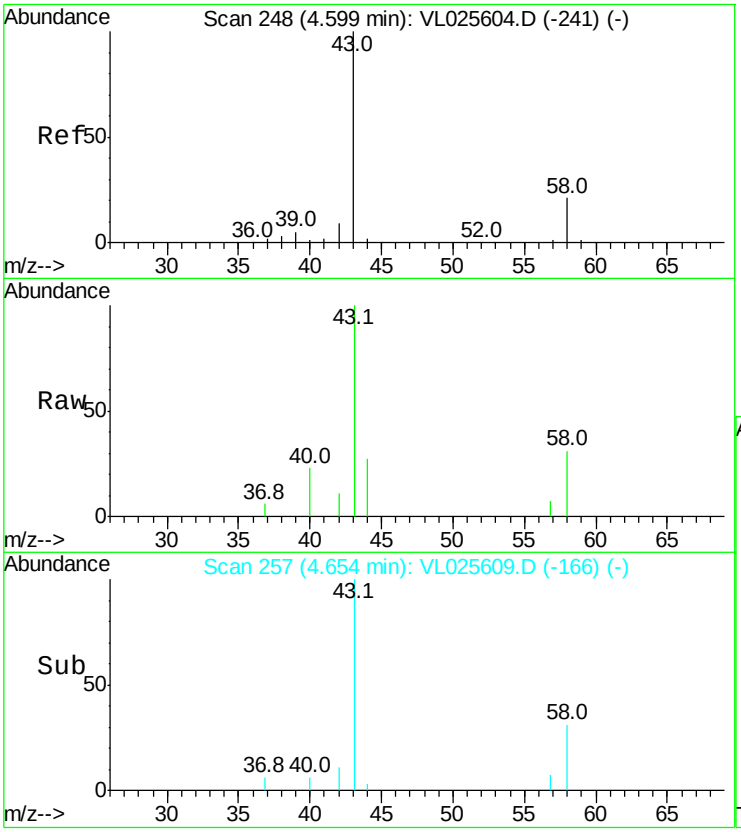


#13
Ethanol
Concen: 0.05 ppbv
RT: 3.88 min Scan# 130
Delta R.T. -0.45 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 45 Resp: 250

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.0	64.0#



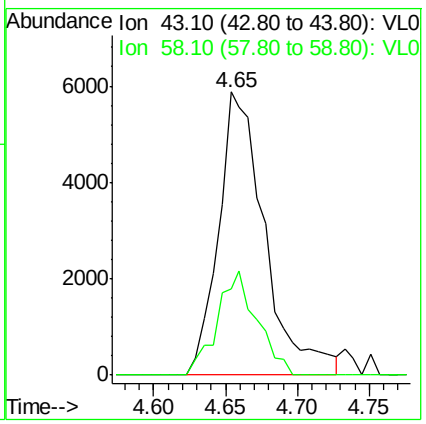


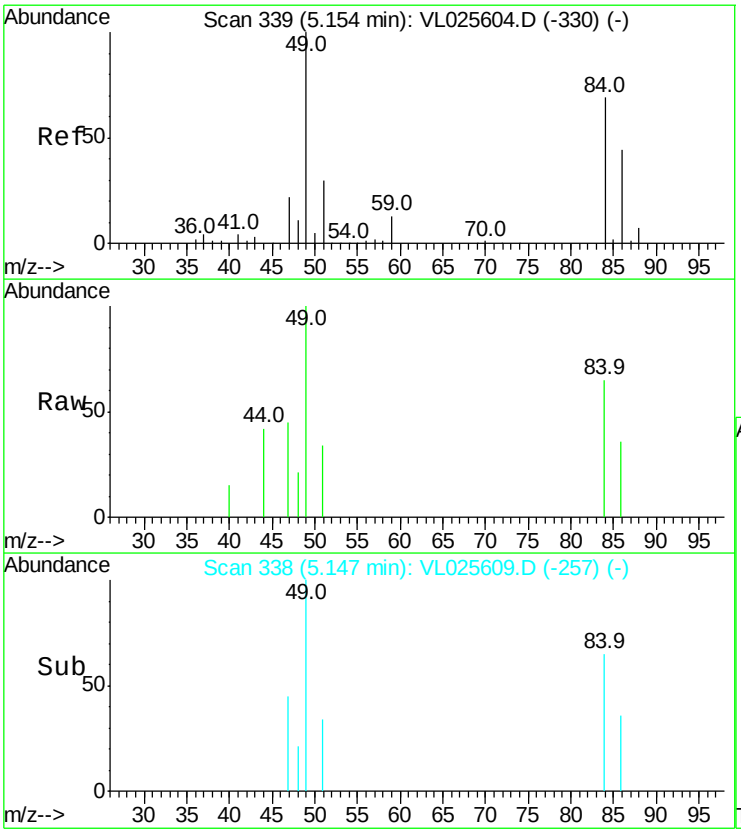
#15
Acetone
Concen: 0.16 ppbv
RT: 4.65 min Scan# 257
Delta R.T. 0.05 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 13216

Ion	Ratio	Lower	Upper
43	100		
58	31.5	17.2	25.8#

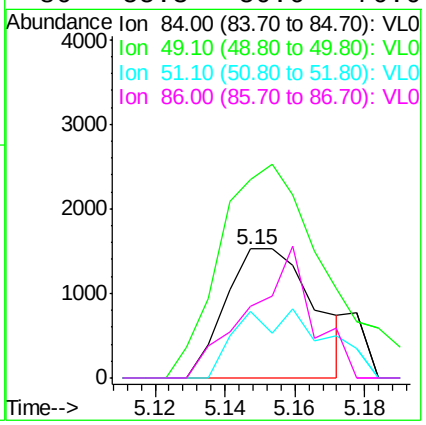


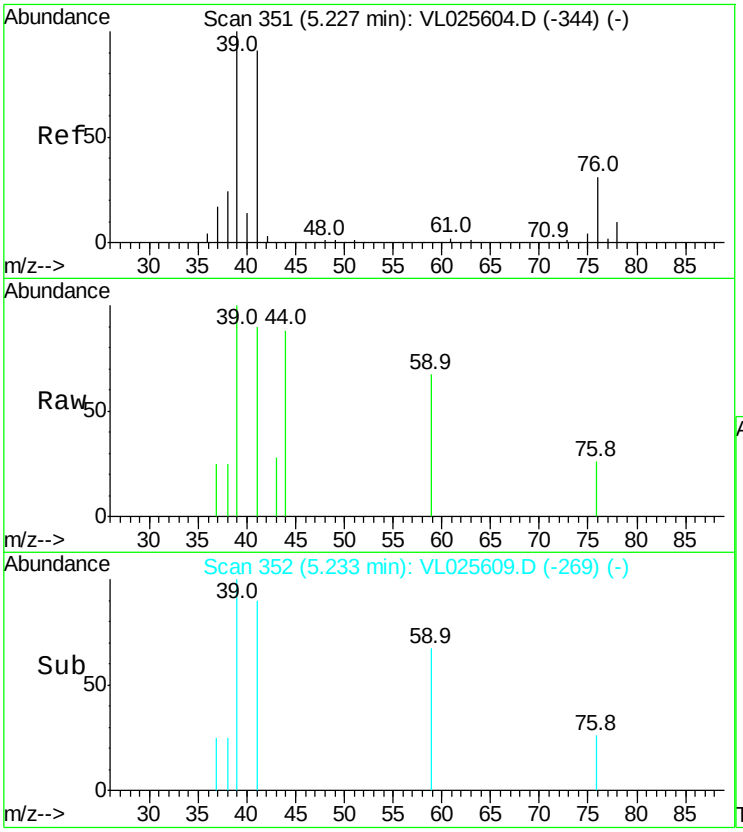


#20
Methylene Chloride
Concen: 0.08 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 84 Resp: 2694

Ion	Ratio	Lower	Upper
84	100		
49	129.5	115.2	172.8
51	51.9	35.0	52.6
86	55.3	50.6	76.0



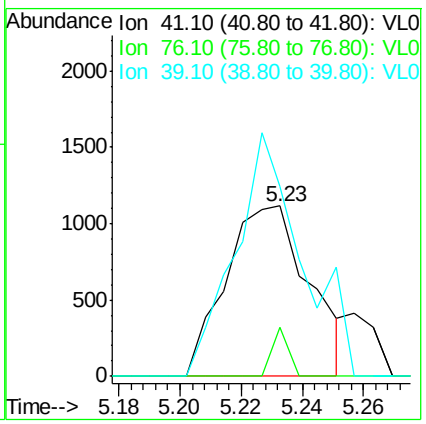


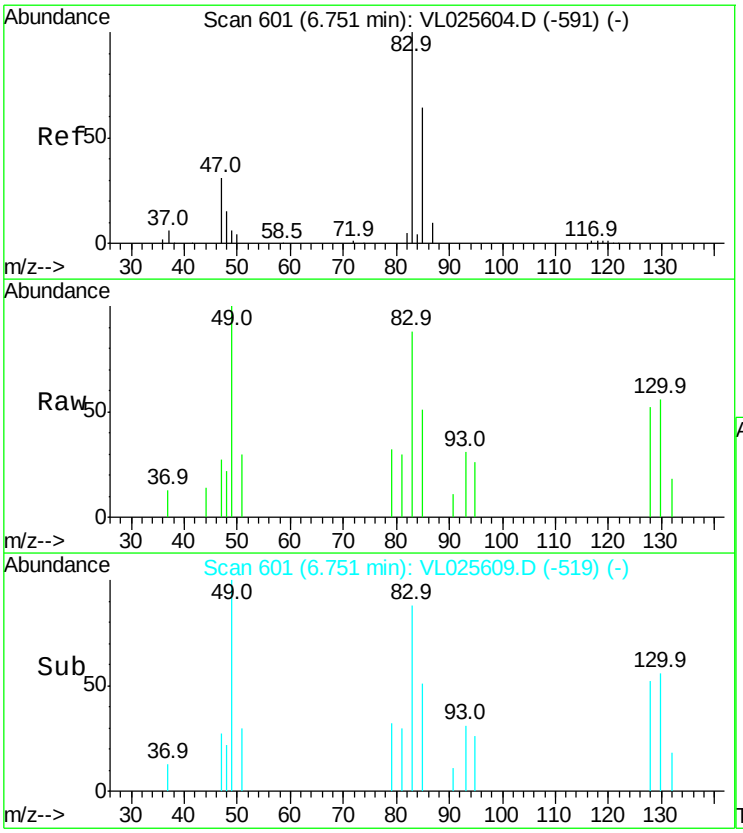
#21
Allyl Chloride
Concen: 0.04 ppbv
RT: 5.23 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 41 Resp: 2109

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	40.0#
39	115.2	88.2	132.4

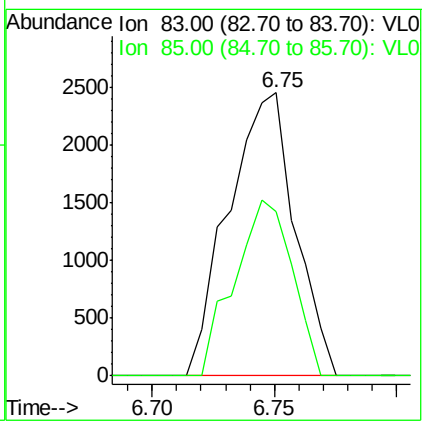


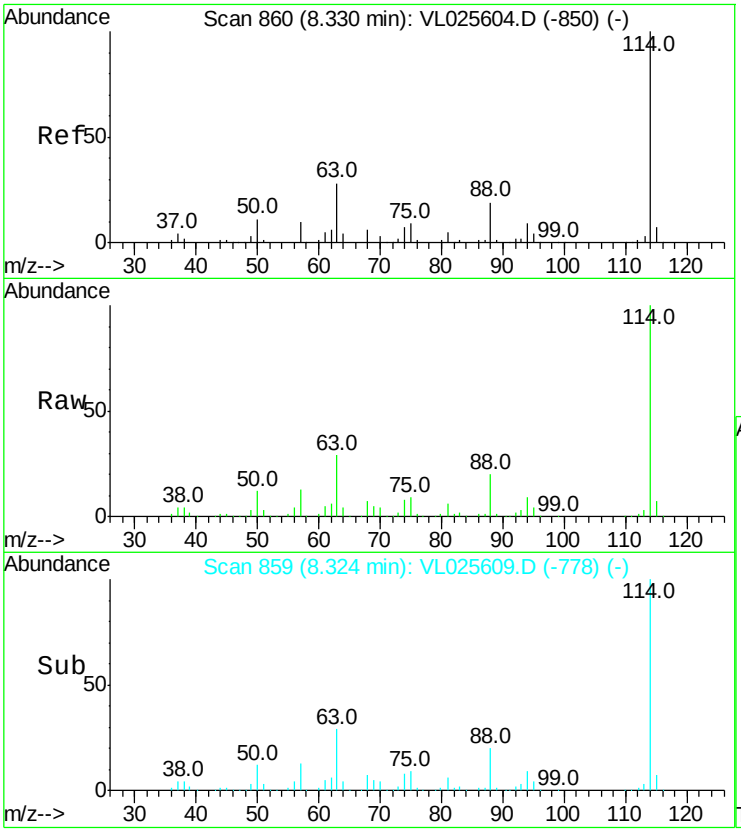


#29
Chloroform
Concen: 0.04 ppbv
RT: 6.75 min Scan# 601
Delta R.T. -0.00 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 83 Resp: 4663

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.6	77.4



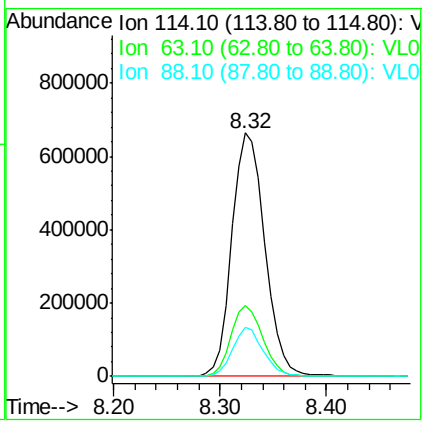


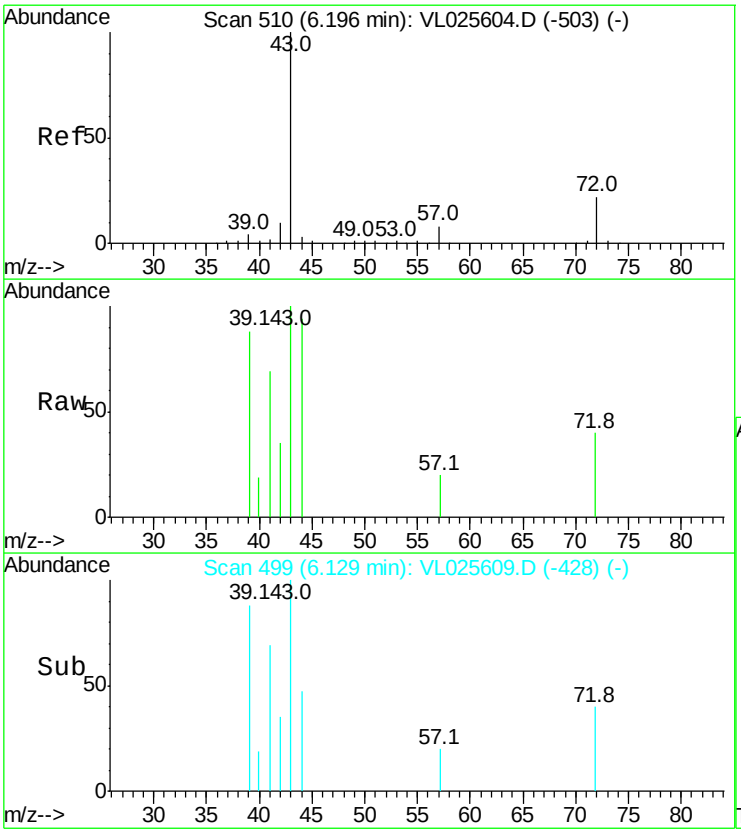
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 1448251

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	18.8	15.0	22.4

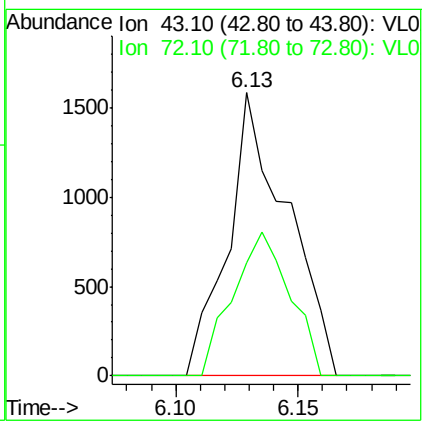


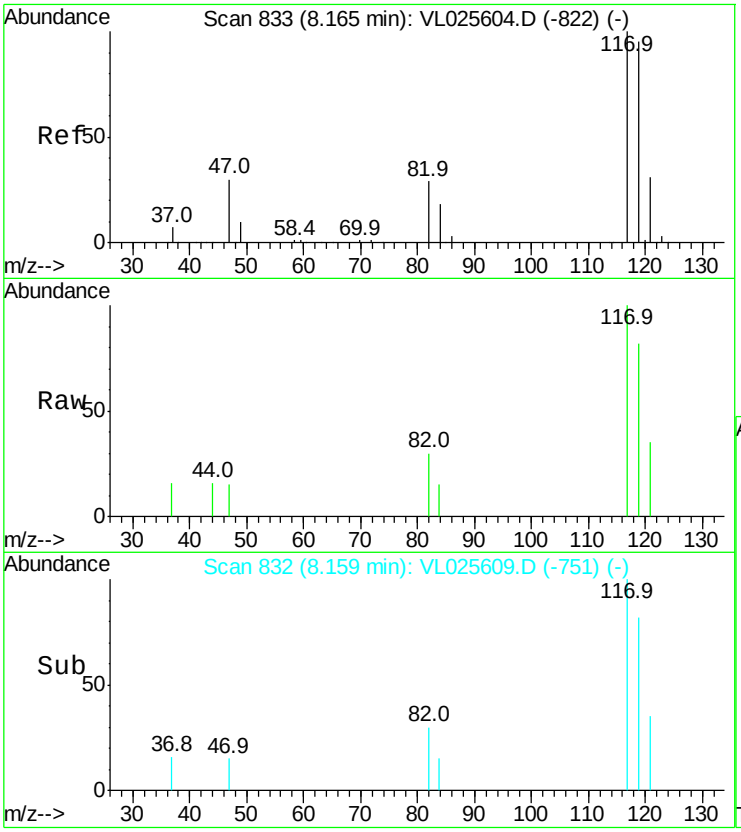


#34
2-Butanone
Concen: 0.03 ppbv
RT: 6.13 min Scan# 499
Delta R.T. -0.07 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 43 Resp: 2673

Ion	Ratio	Lower	Upper
43	100		
72	48.9	18.6	28.0#



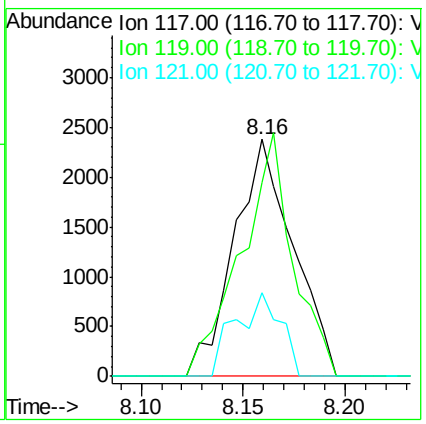


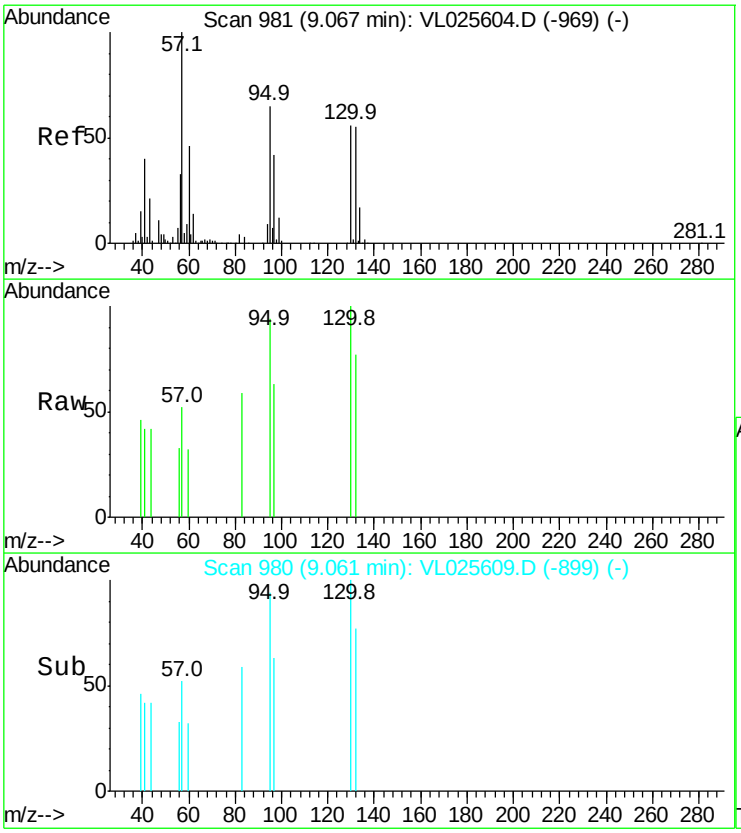
#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 8.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:117 Resp: 4791

Ion	Ratio	Lower	Upper
117	100		
119	81.5	75.9	113.9
121	35.4	24.4	36.6

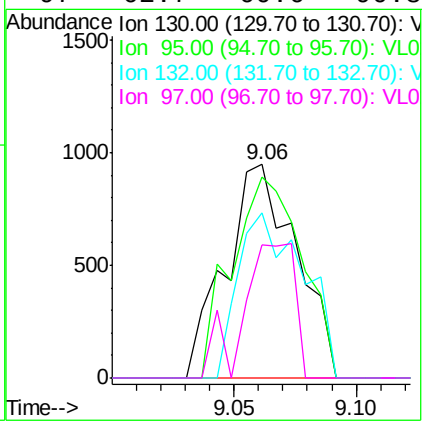


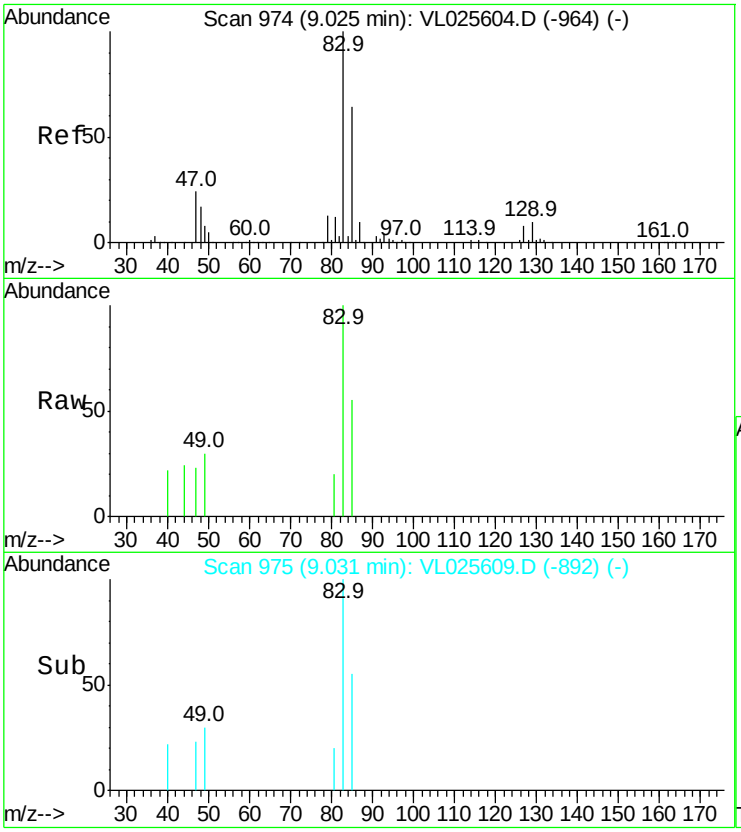


#38
Trichloroethene
Concen: 0.03 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:130 Resp: 1903

Ion	Ratio	Lower	Upper
130	100		
95	93.9	94.2	141.4#
132	77.3	78.6	118.0#
97	62.7	60.6	90.8



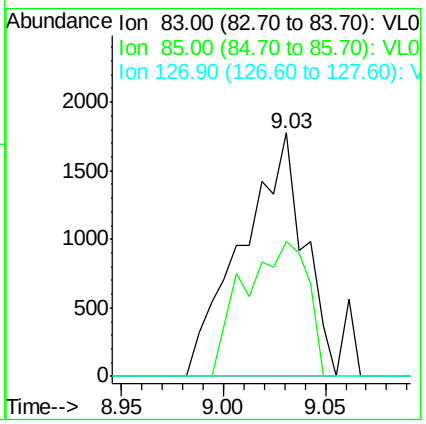


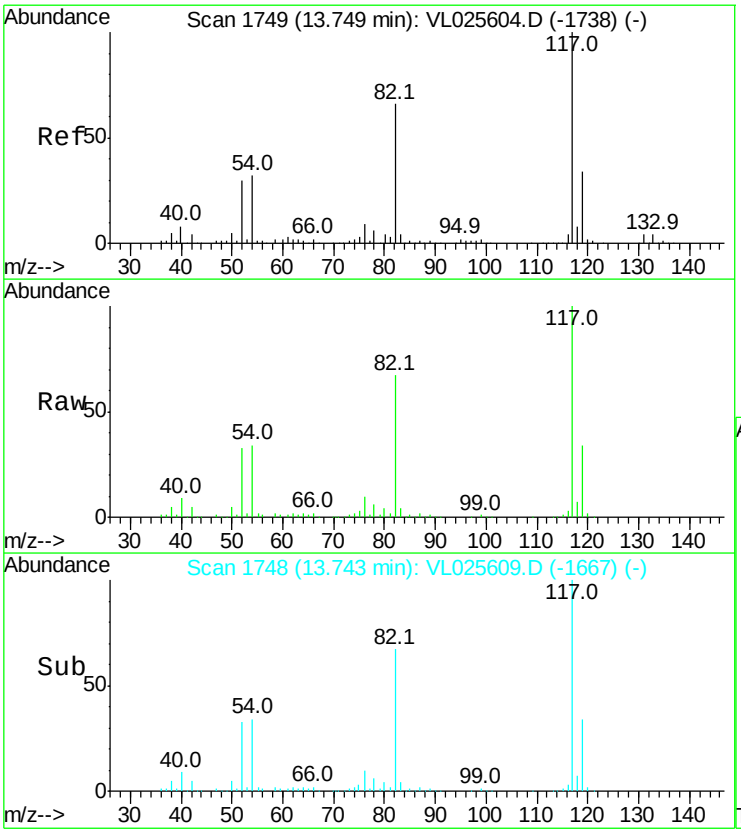
#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 9.03 min Scan# 975
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 3757

Ion	Ratio	Lower	Upper
83	100		
85	55.4	51.3	76.9
127	0.0	6.0	9.0#

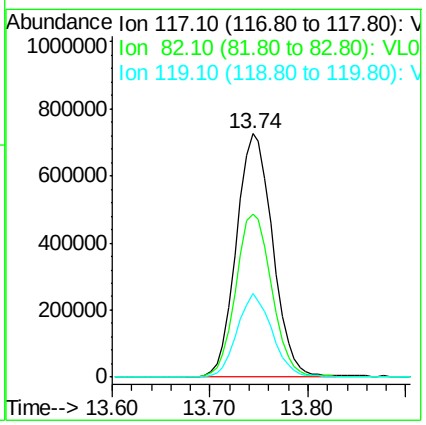


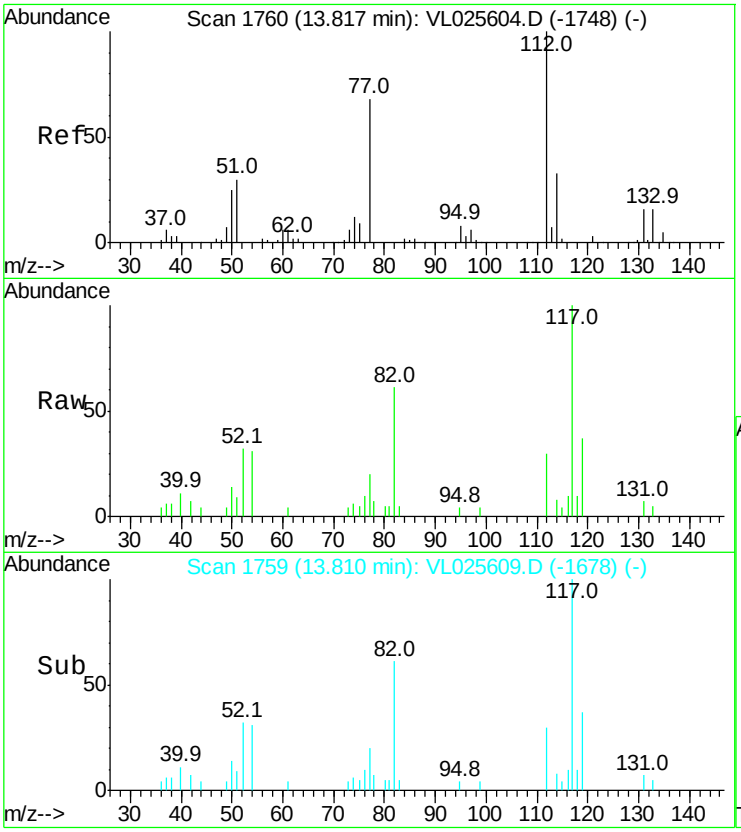


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:117 Resp: 1876970

Ion	Ratio	Lower	Upper
117	100		
82	67.0	50.5	75.7
119	33.2	45.1	67.7#



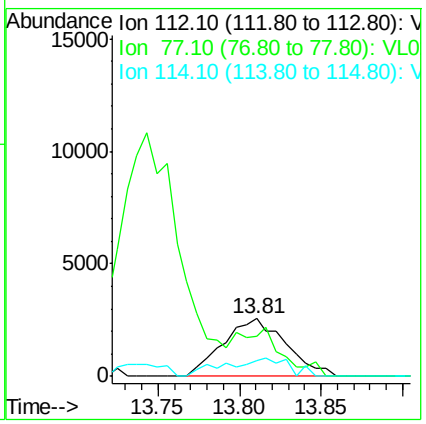


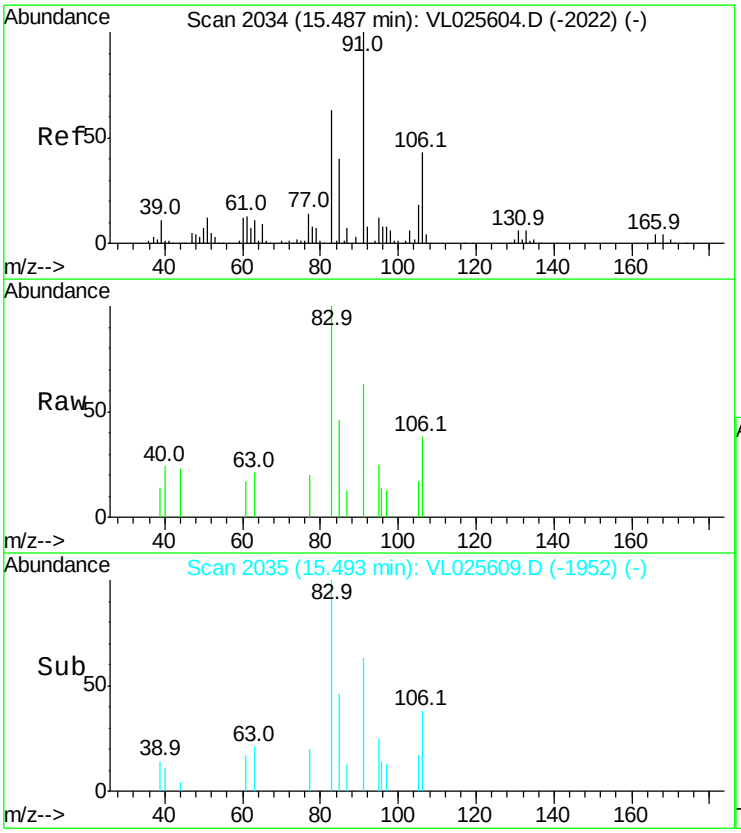
#57
Chlorobenzene
Concen: 0.04 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:112 Resp: 6871

Ion	Ratio	Lower	Upper
112	100		
77	68.8	55.2	82.8
114	28.1	29.4	36.0#

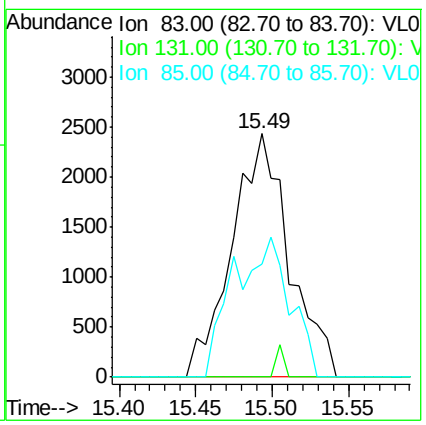


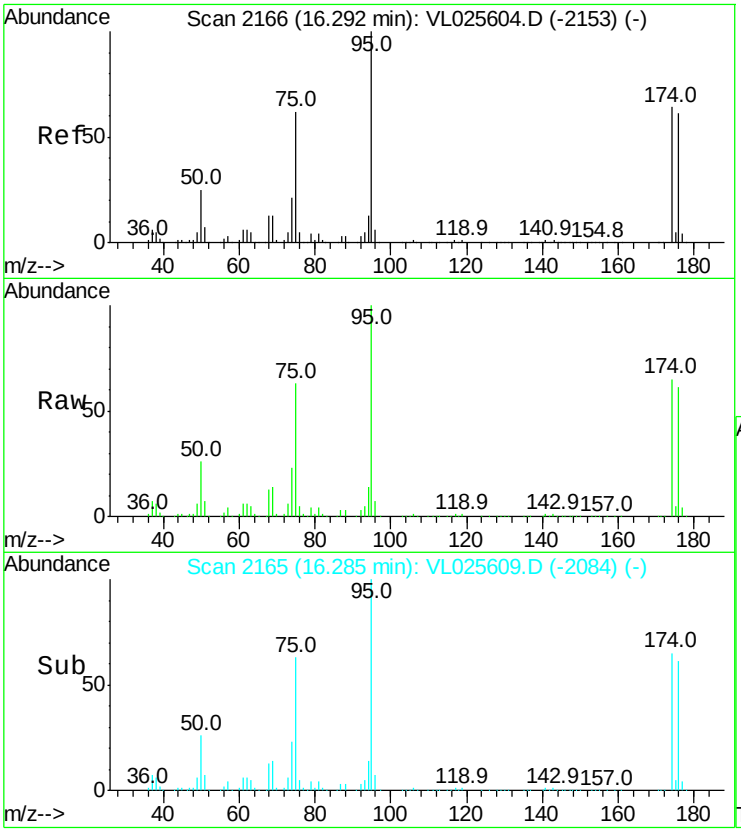


#63
1,1,2,2-Tetrachloroethane
Concen: 0.03 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion: 83 Resp: 6364

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	56.3	32.4	97.2



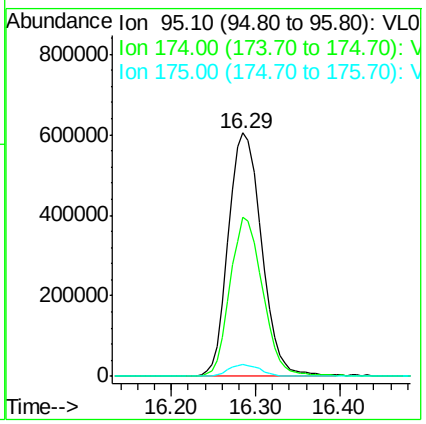


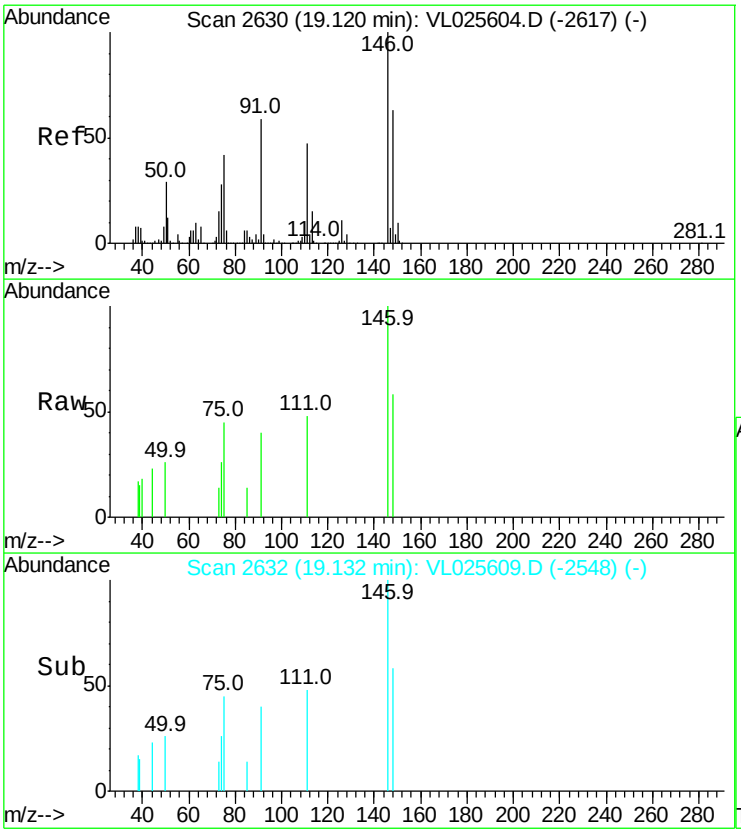
#68
1-Bromo-4-Fluorobenzene
Concen: 10.46 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 95 Resp: 1621576

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.0	78.0
175	4.9	3.9	5.9

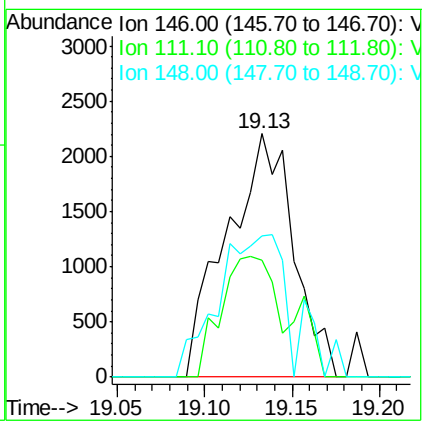


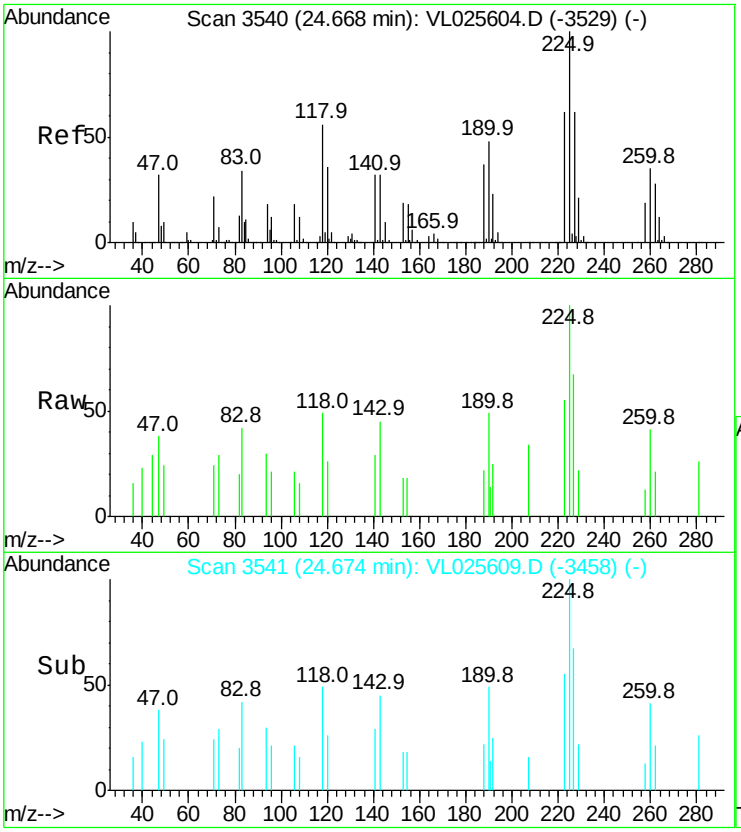


#75
1,3-Dichlorobenzene
Concen: 0.03 ppbv
RT: 19.13 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Tgt Ion:146 Resp: 5863

Ion	Ratio	Lower	Upper
146	100		
111	49.9	22.7	68.1
148	65.4	31.8	95.3





#78
Hexachloro-1,3-Butadiene
Concen: 0.05 ppbv
RT: 24.67 min Scan# 3541
Delta R.T. 0.01 min
Lab File: VL025609.D
Acq: 7 Jul 2015 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:225 Resp: 5049

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	58.7	50.5	75.7