Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102915\
Data File : VL026275.D
Acq On : 29 Oct 2015 21:47
Operator : SY/AP
Sample : G4169-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2

Quant Time: Oct 30 04:18:30 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.67	49	573966	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.35	114	1591774	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.77	117	1795565	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.32	95	1381407	10.14	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	19893	0.16	ppbv		97
3) Chlorodifluoromethane	3.57	51	231277	3.20	ppbv		98
4) Chloromethane	3.76	50	15402	0.37	ppbv		96
9) Propene	3.61	41	25960	0.75	ppbv	#	77
11) Trichlorofluoromethane	4.71	101	20489	0.18	ppbv		93
13) Ethanol	4.34	45	10135	1.95	ppbv		90
15) Acetone	4.62	43	164581	2.17	ppbv		94
19) Isopropyl Alcohol	4.78	45	9743	0.30	ppbv	#	24
20) Methylene Chloride	5.17	84	26385	0.80	ppbv		99
26) Hexane	6.68	57	12385	0.16	ppbv	#	60
34) 2-Butanone	6.23	43	17198	0.18	ppbv		98
35) Carbon Tetrachloride	8.18	117	5792	0.05	ppbv		97
36) Benzene	8.04	78	29790	0.18	ppbv		97
53) Toluene	11.26	91	70294	0.32	ppbv		99
74) 1,2,4-Trimethylbenzene	18.86	105	29684	0.11	ppbv	#	76
79) Naphthalene	23.96	128	23964	0.12	ppbv	#	95

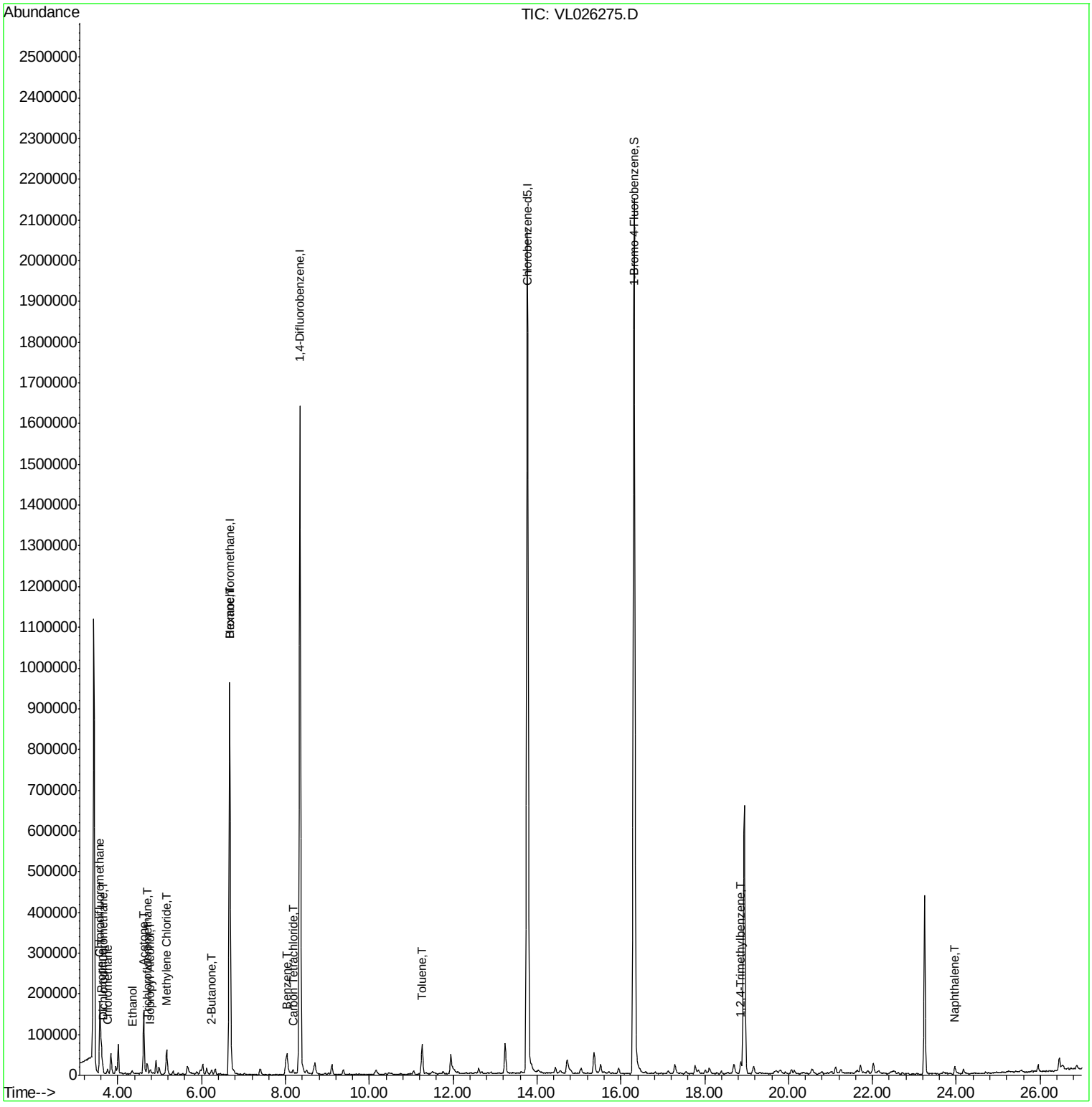
(#) = qualifier out of range (m) = manual integration (+) = signals summed

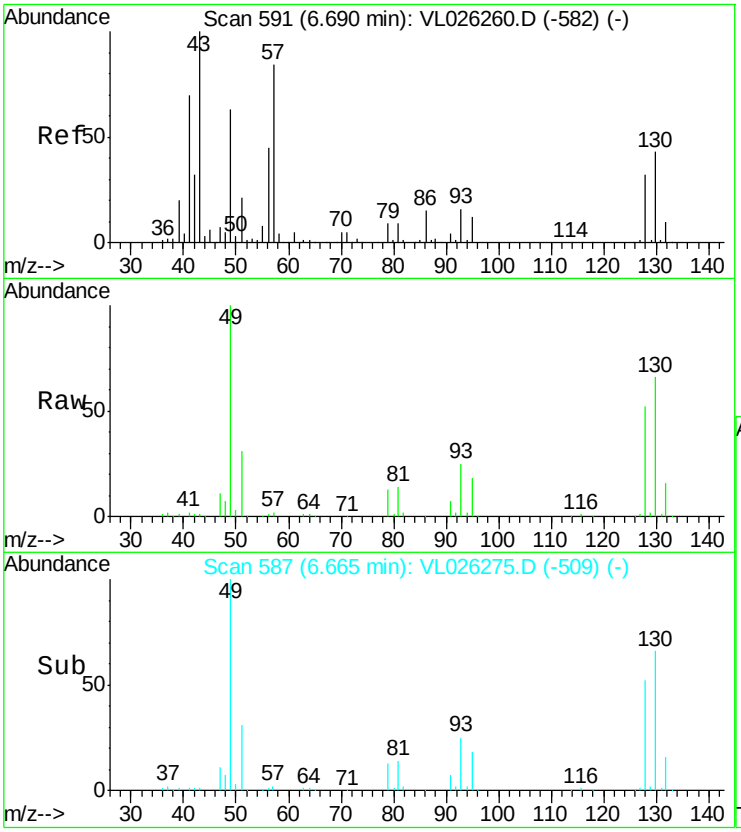
Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102915\
Data File : VL026275.D
Acq On : 29 Oct 2015 21:47
Operator : SY/AP
Sample : G4169-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2

Quant Time: Oct 30 04:18:30 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration



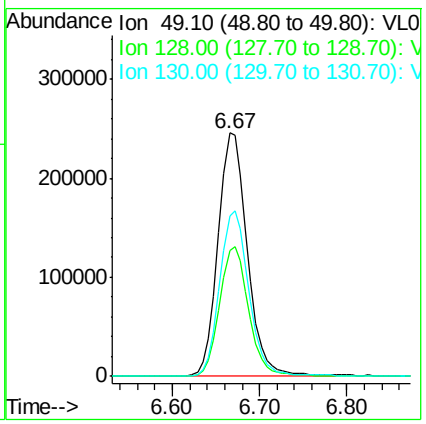


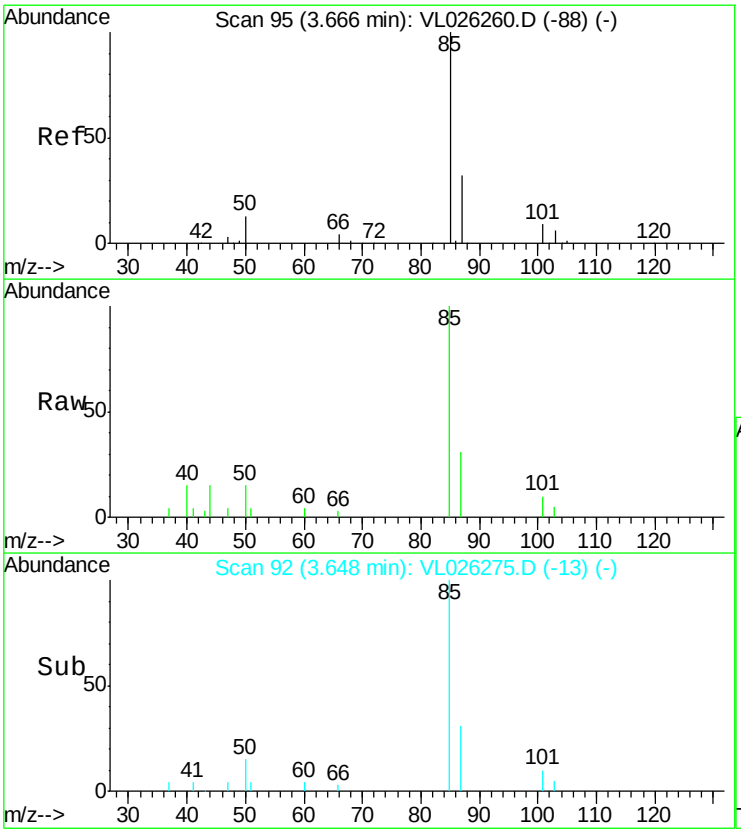
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 49 Resp: 573966

Ion	Ratio	Lower	Upper
49	100		
128	53.4	26.7	80.1
130	68.5	34.4	103.2

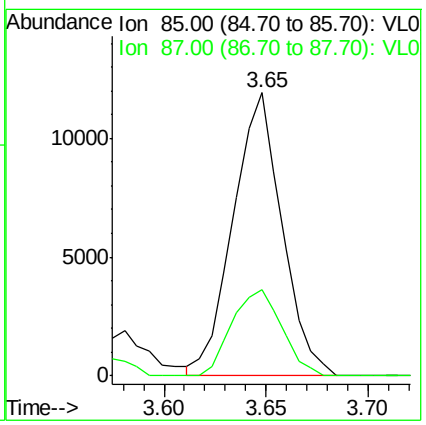


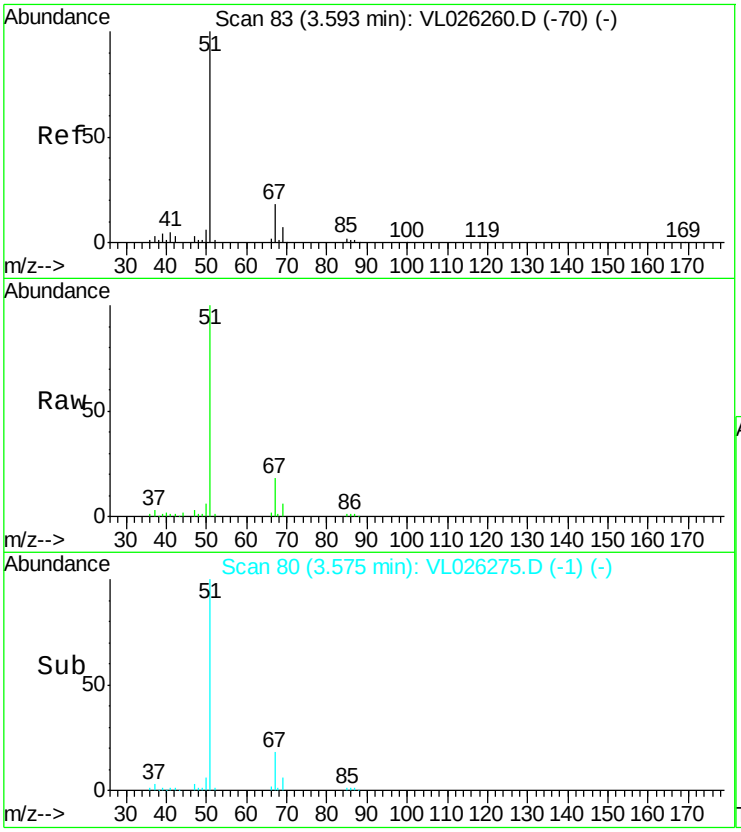


#2
Dichlorodifluoromethane
Concen: 0.16 ppbv
RT: 3.65 min Scan# 92
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 85 Resp: 19893

Ion	Ratio	Lower	Upper
85	100		
87	30.5	25.9	38.9

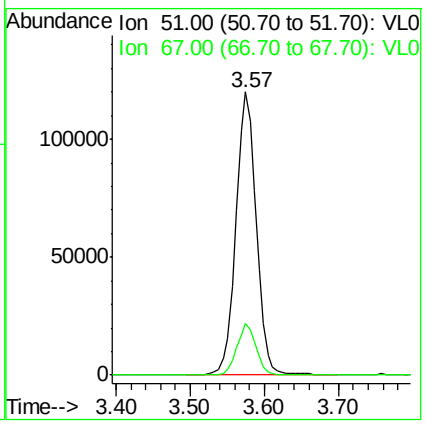




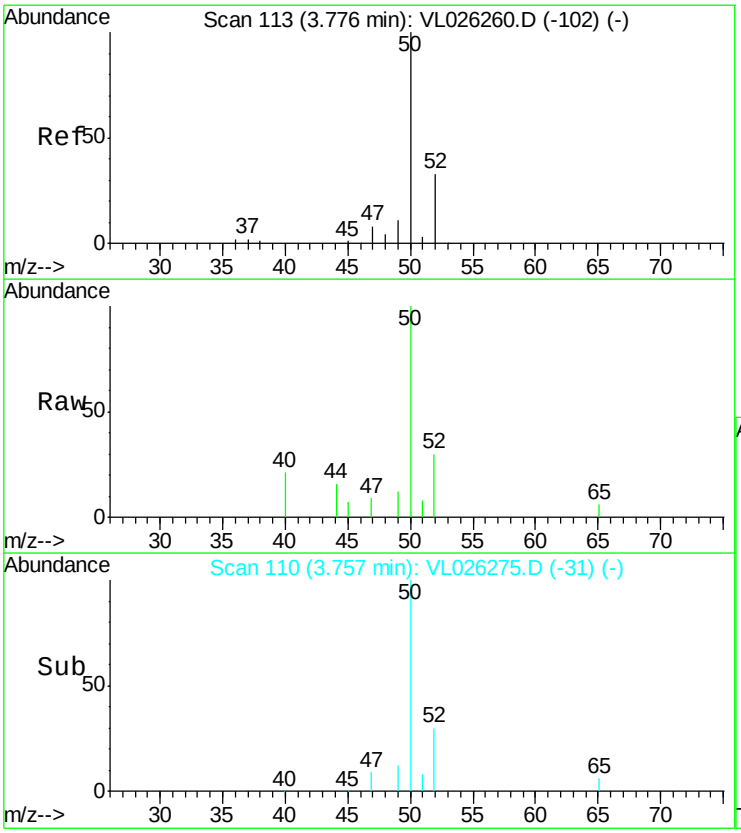
#3
Chlorodifluoromethane
Concen: 3.20 ppbv
RT: 3.57 min Scan# 80
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 51 Resp: 231277

Ion	Ratio	Lower	Upper
51	100		
67	17.0	14.5	21.7



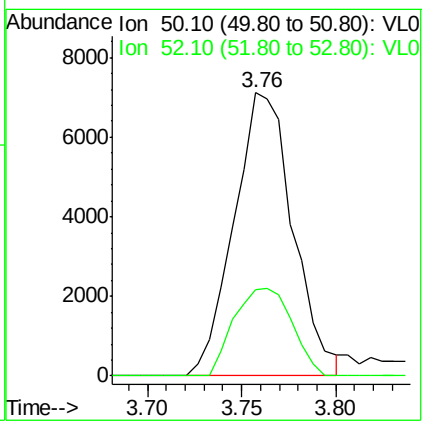
Instrument :
MSVOA_L
ClientSampleId :
IA2

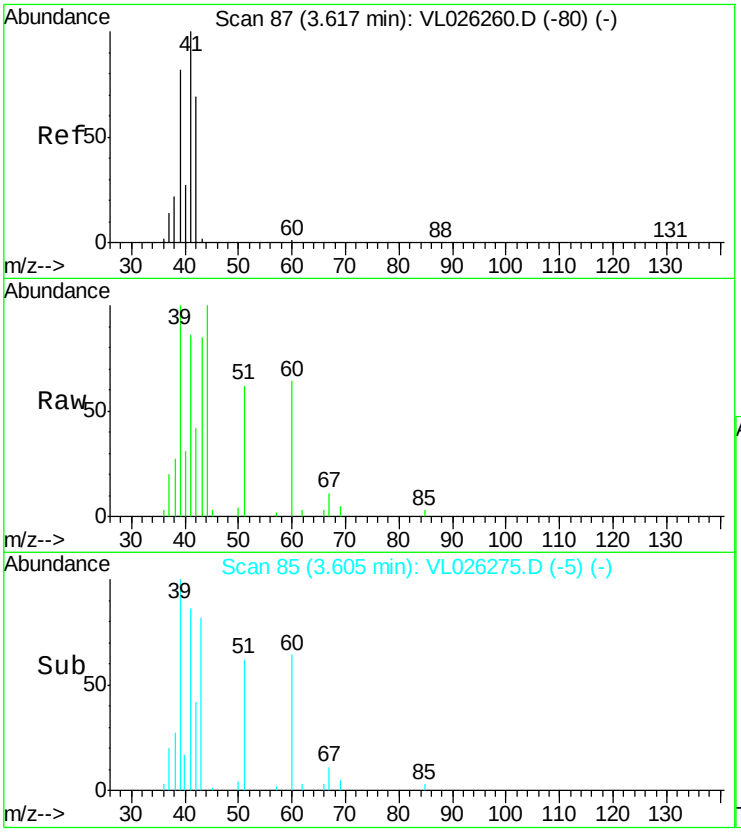


#4
Chloromethane
Concen: 0.37 ppbv
RT: 3.76 min Scan# 110
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 50 Resp: 15402

Ion	Ratio	Lower	Upper
50	100		
52	30.5	26.1	39.1



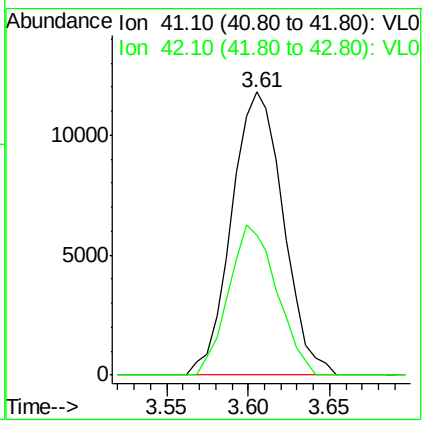


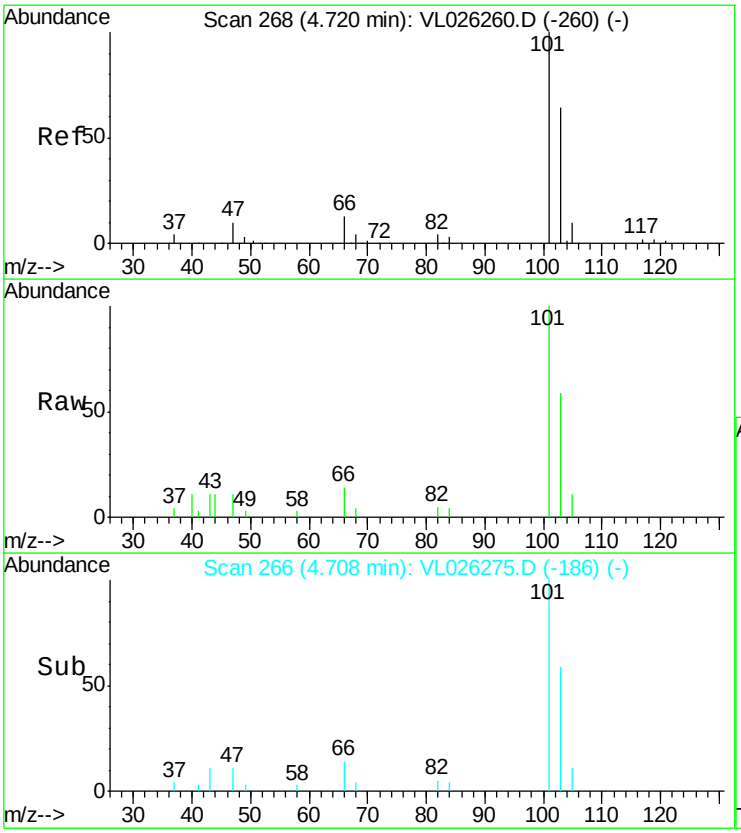
#9
Propene
Concen: 0.75 ppbv
RT: 3.61 min Scan# 85
Delta R.T. -0.01 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 41 Resp: 25960

Ion	Ratio	Lower	Upper
41	100		
42	49.7	54.5	81.7#

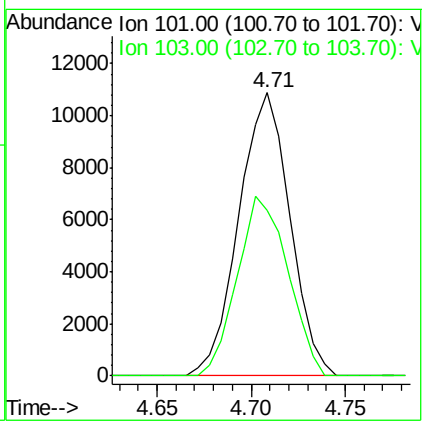


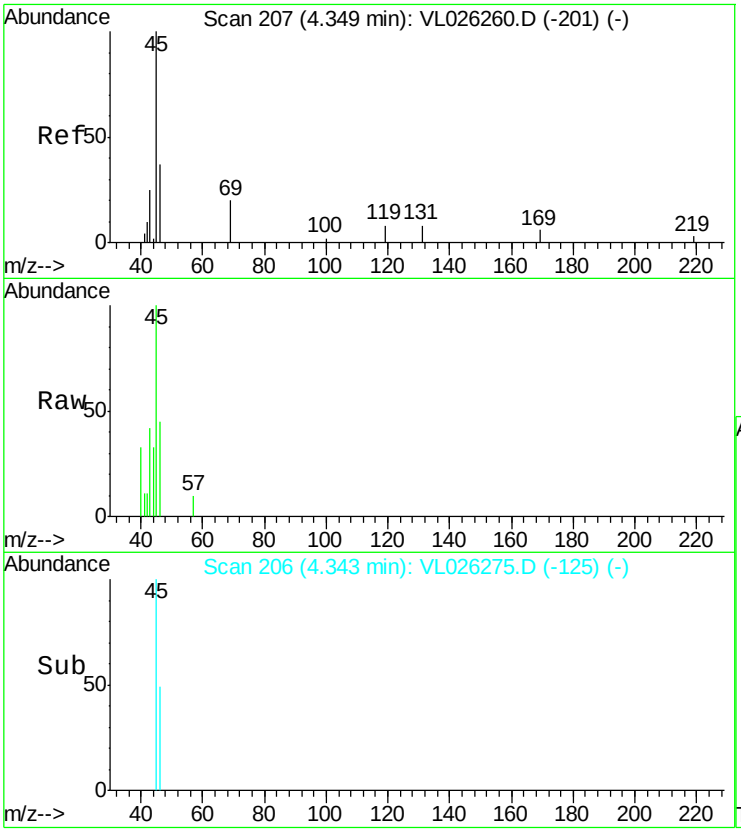


#11
Trichlorofluoromethane
Concen: 0.18 ppbv
RT: 4.71 min Scan# 266
Delta R.T. -0.01 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion:101 Resp: 20489

Ion	Ratio	Lower	Upper
101	100		
103	58.6	51.4	77.0



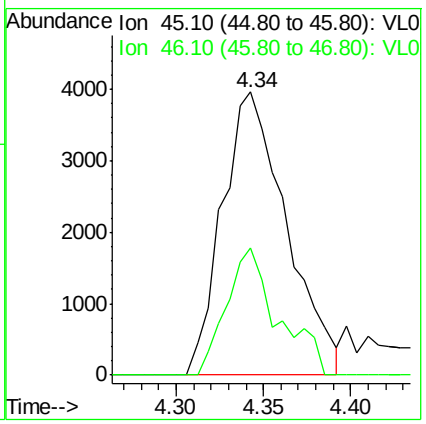


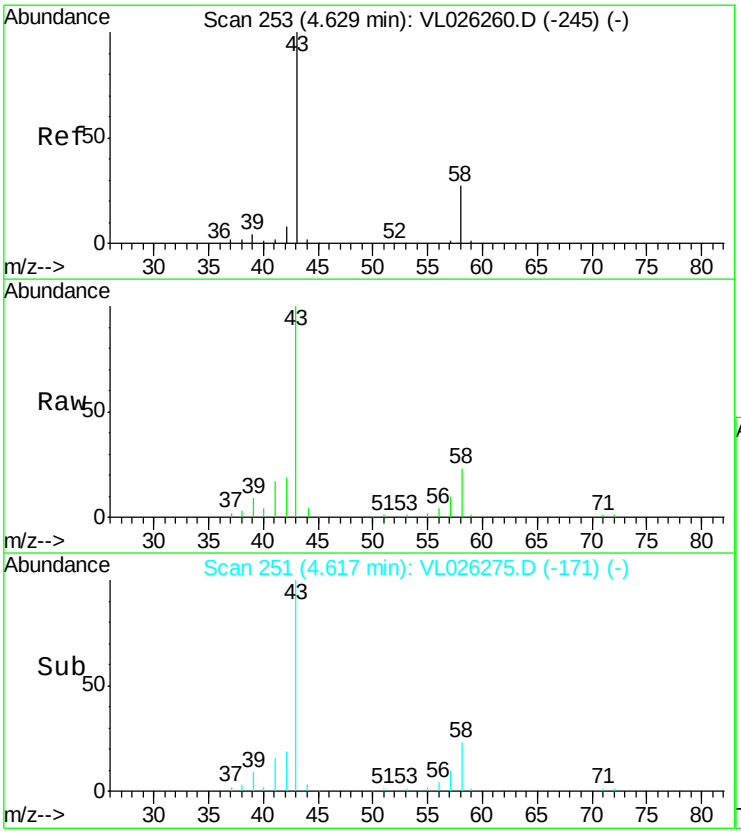
#13
Ethanol
Concen: 1.95 ppbv
RT: 4.34 min Scan# 206
Delta R.T. -0.01 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 10135

Ion	Ratio	Lower	Upper
45	100		
46	35.9	17.0	68.0

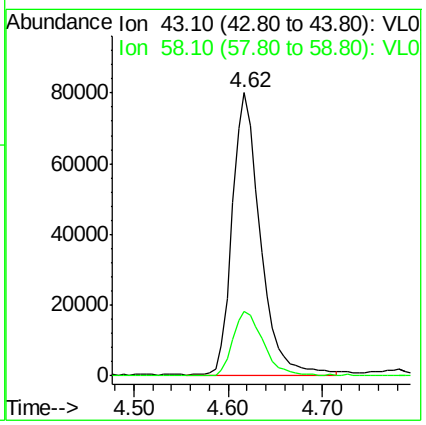


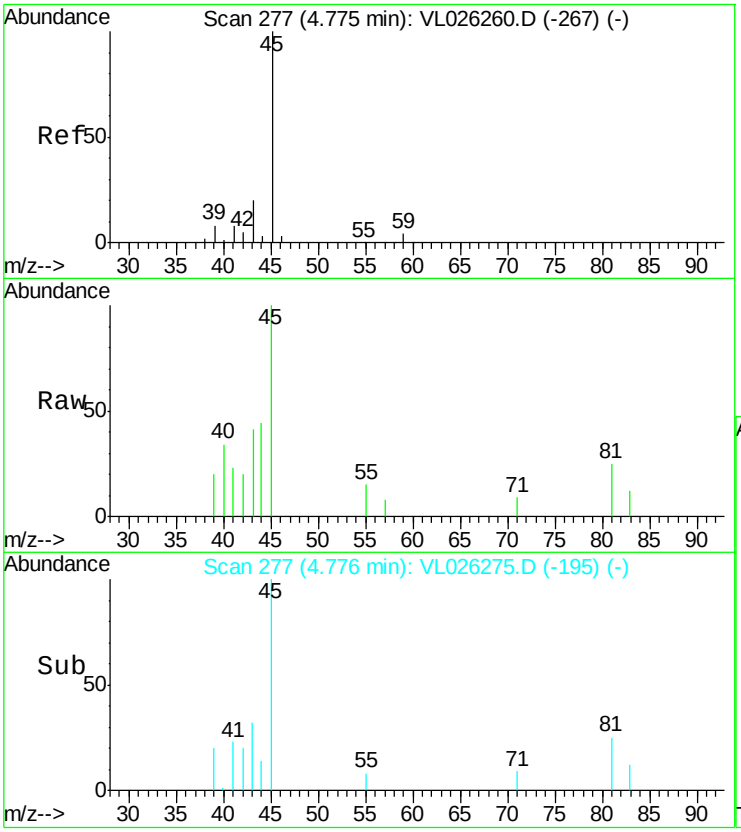


#15
Acetone
Concen: 2.17 ppbv
RT: 4.62 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 43 Resp: 164581

Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.3	33.5



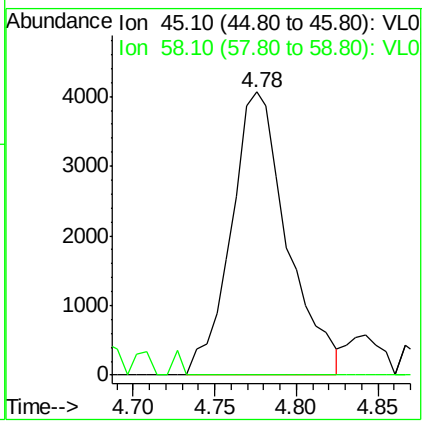


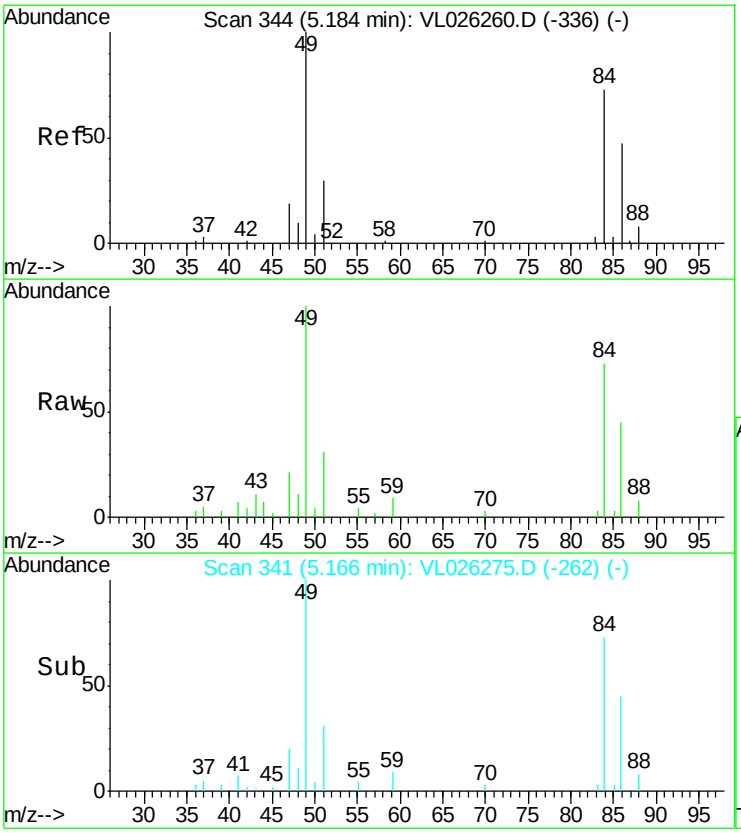
#19
Isopropyl Alcohol
Concen: 0.30 ppbv
RT: 4.78 min Scan# 277
Delta R.T. 0.00 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 45 Resp: 9743

Ion	Ratio	Lower	Upper
45	100		
58	0.0	43.8	65.8#

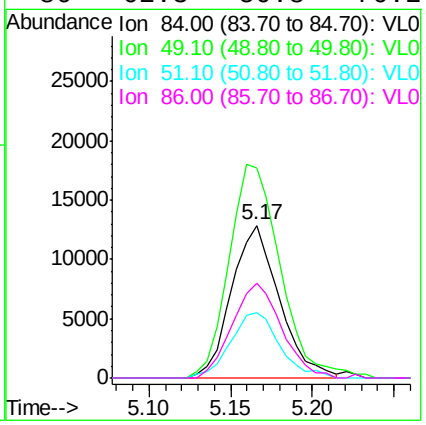


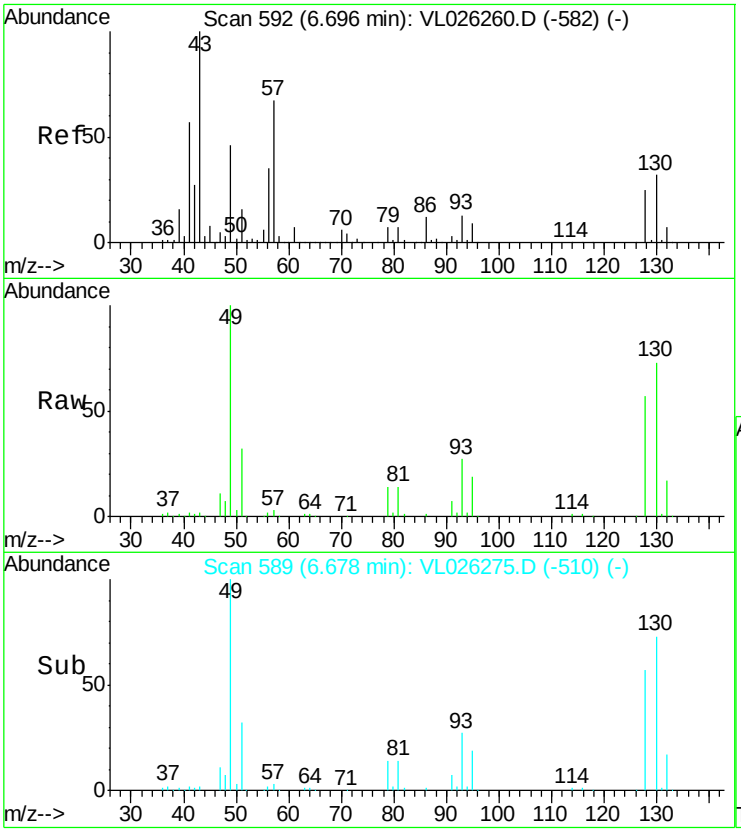


#20
Methylene Chloride
Concen: 0.80 ppbv
RT: 5.17 min Scan# 341
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 84 Resp: 26385

Ion	Ratio	Lower	Upper
84	100		
49	137.2	109.0	163.4
51	42.9	32.8	49.2
86	62.3	50.8	76.2



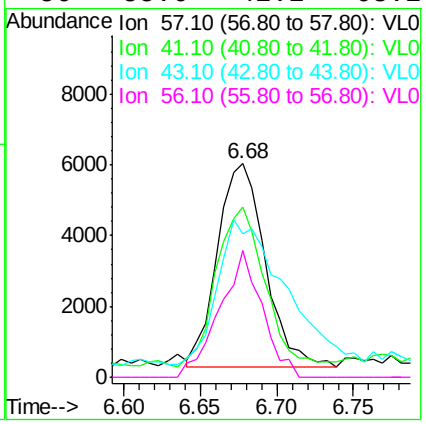


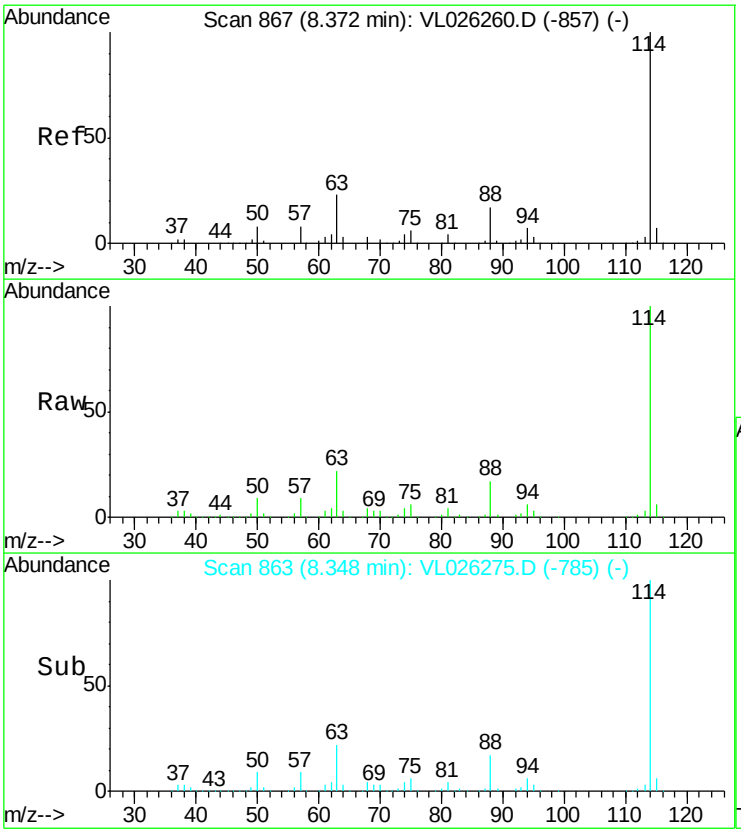
#26
Hexane
Concen: 0.16 ppbv
RT: 6.68 min Scan# 589
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 57 Resp: 12385

Ion	Ratio	Lower	Upper
57	100		
41	90.9	67.4	101.2
43	107.6	163.9	245.9#
56	55.6	42.2	63.2

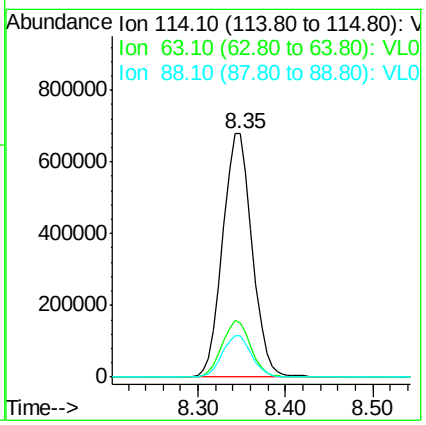


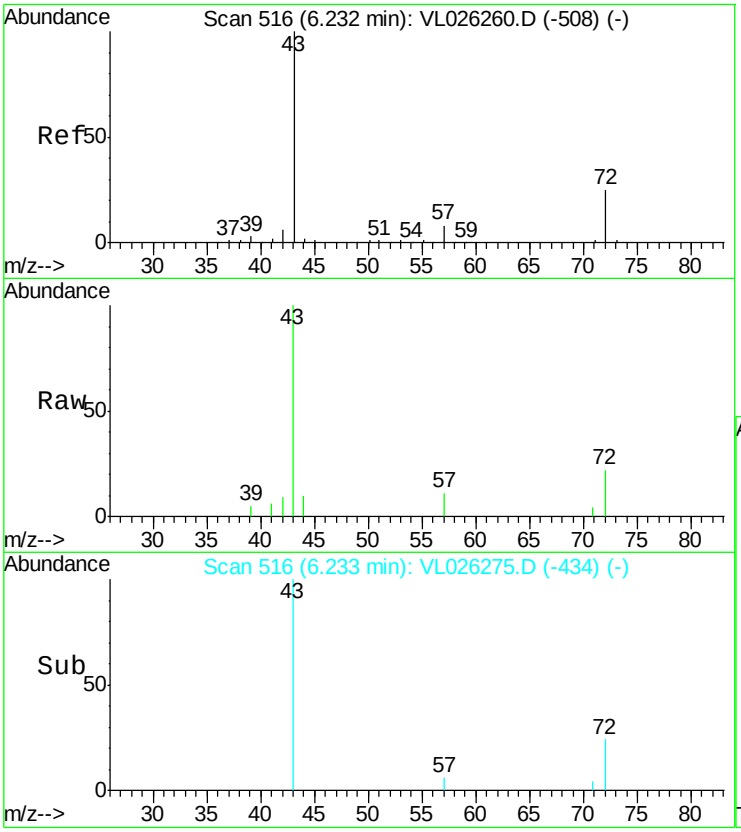


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion:114 Resp: 1591774

Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.6	28.0
88	16.9	13.4	20.2



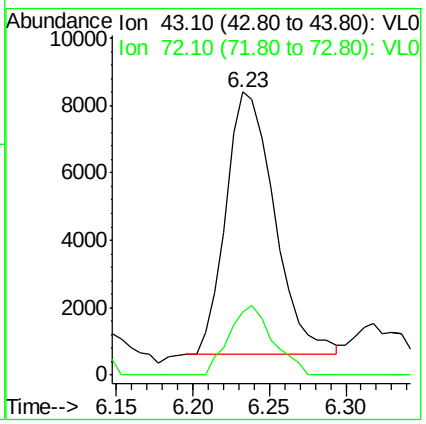


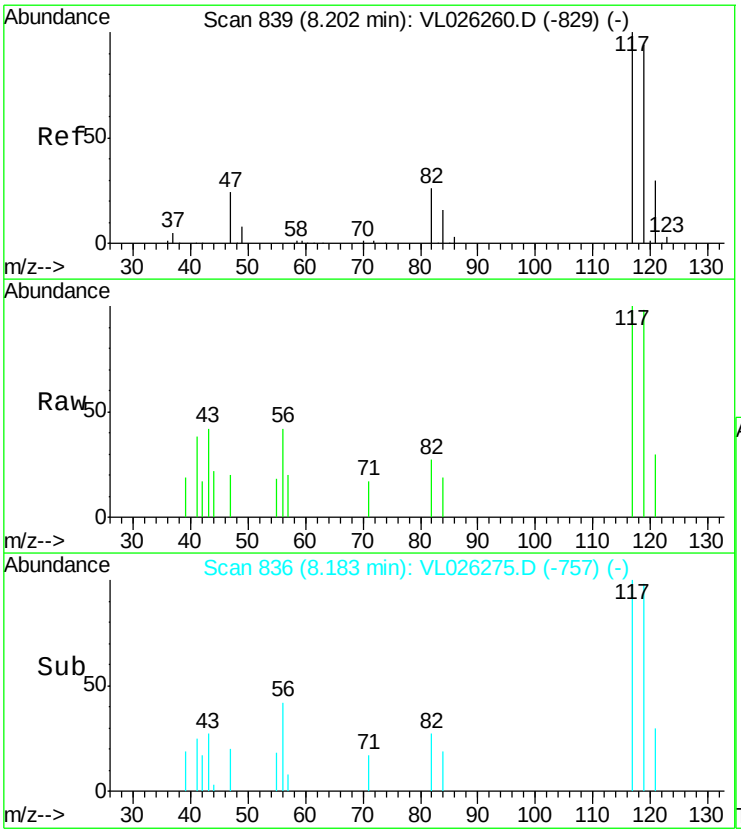
#34
2-Butanone
Concen: 0.18 ppbv
RT: 6.23 min Scan# 516
Delta R.T. 0.00 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 43 Resp: 17198

Ion	Ratio	Lower	Upper
43	100		
72	24.0	19.9	29.9

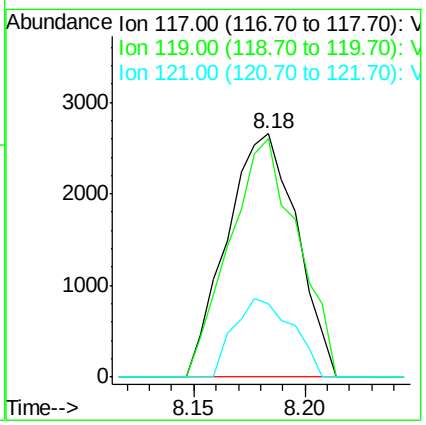


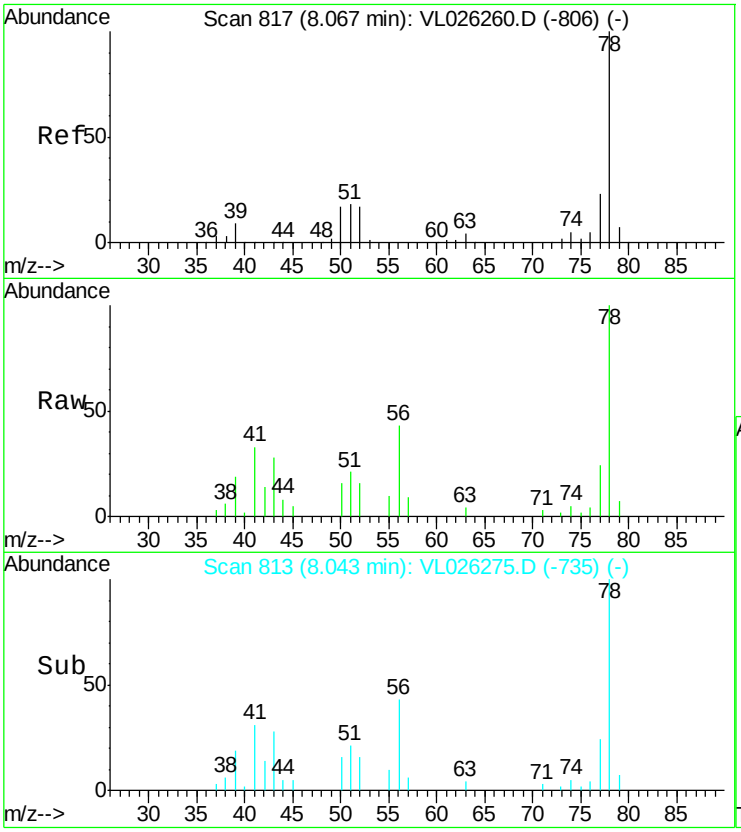


#35
Carbon Tetrachloride
Concen: 0.05 ppbv
RT: 8.18 min Scan# 836
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion:117 Resp: 5792

Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.2	112.8
121	30.1	24.2	36.2



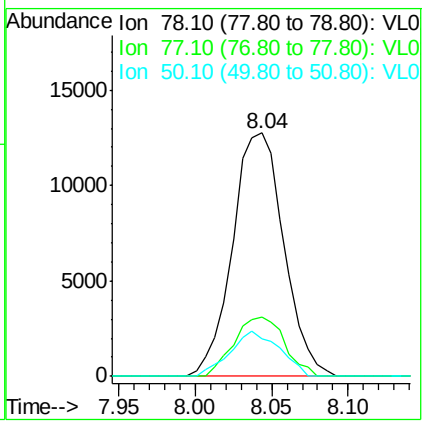


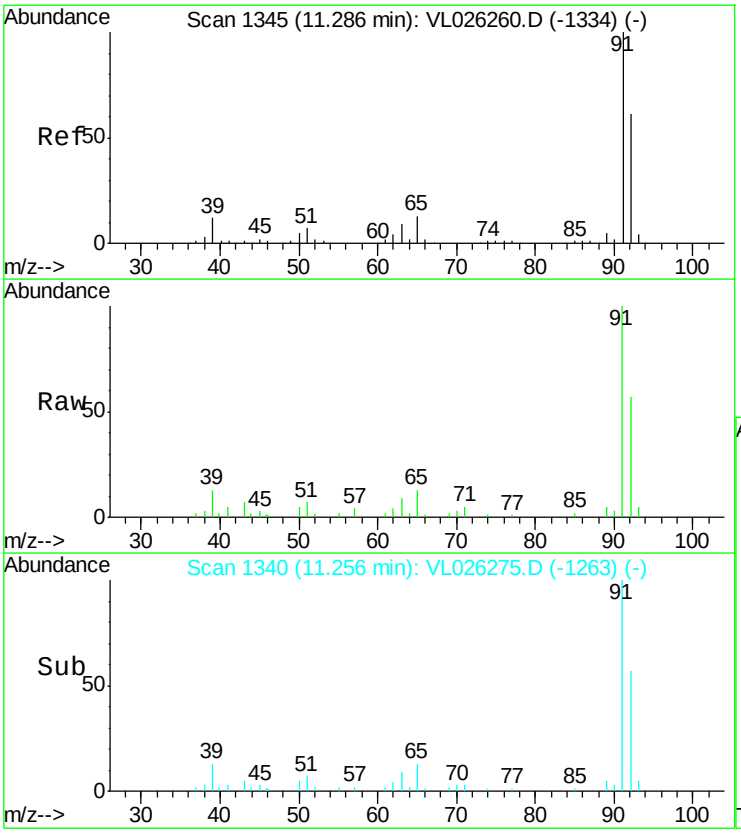
#36
Benzene
Concen: 0.18 ppbv
RT: 8.04 min Scan# 813
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 78 Resp: 29790

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.0	27.0
50	15.6	13.3	19.9

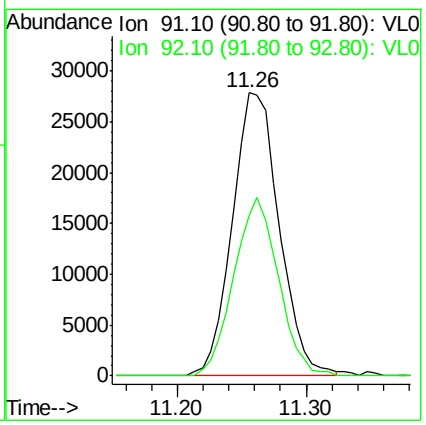


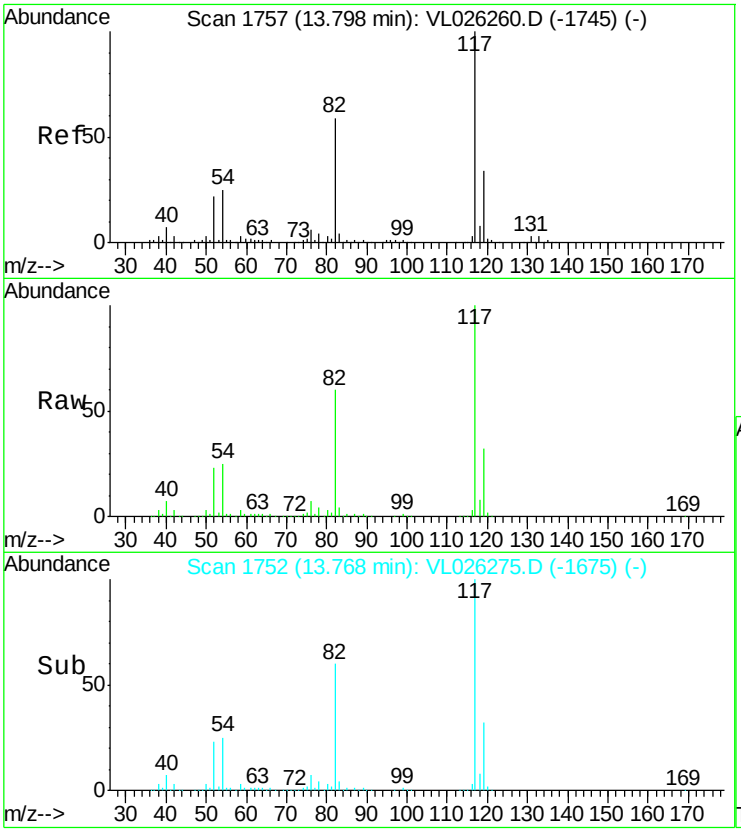


#53
Toluene
Concen: 0.32 ppbv
RT: 11.26 min Scan# 1340
Delta R.T. -0.03 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 91 Resp: 70294

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.6	73.0



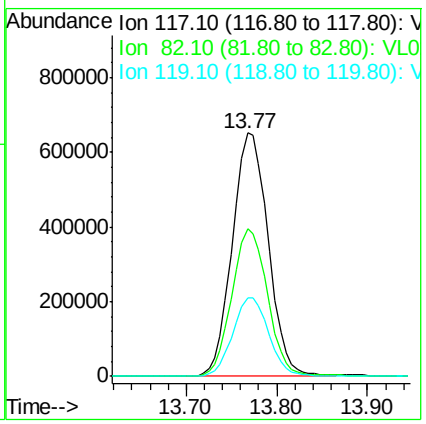


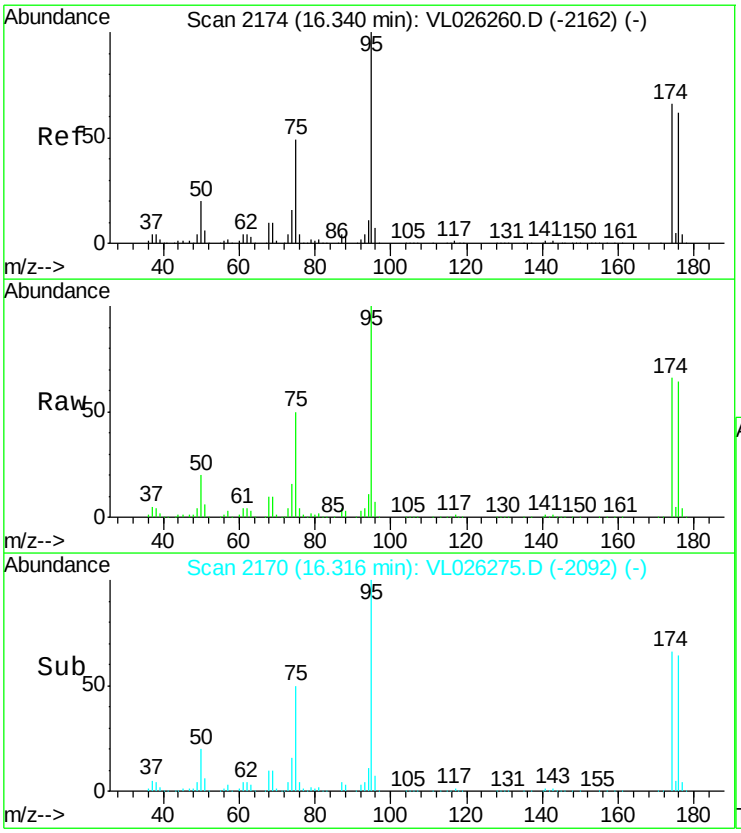
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. -0.03 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion:117 Resp: 1795565

Ion	Ratio	Lower	Upper
117	100		
82	0.0	48.2	72.4#
119	32.8	46.2	69.2#

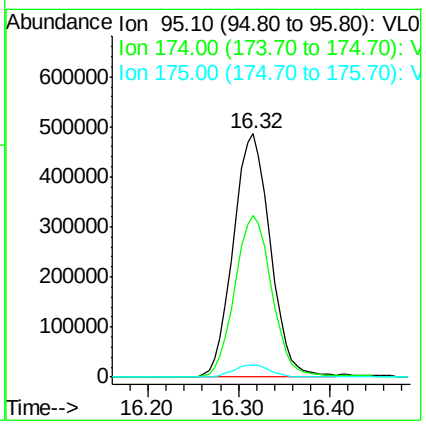


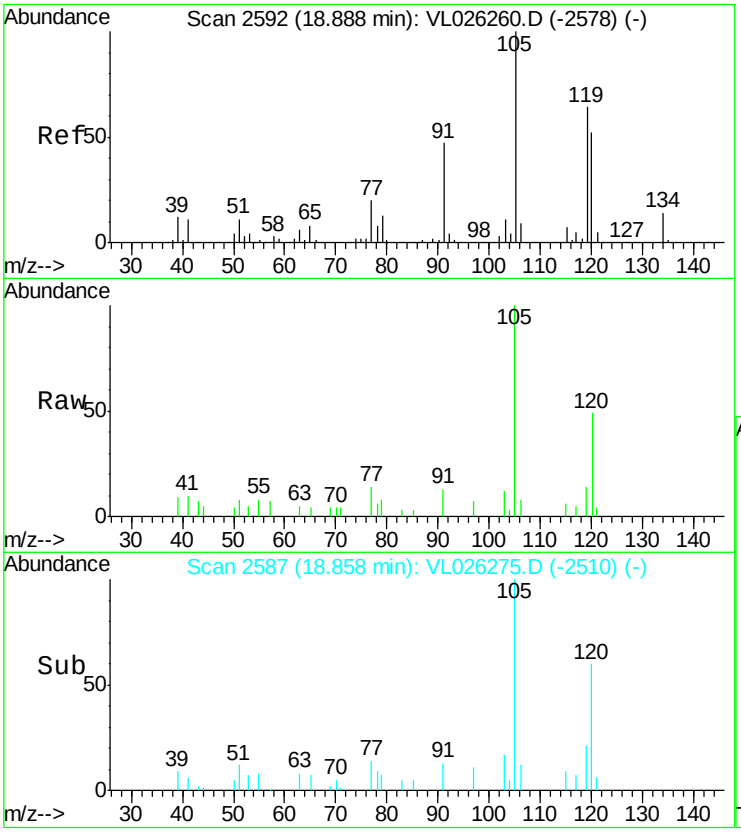


#68
1-Bromo-4-Fluorobenzene
Concen: 10.14 ppbv
RT: 16.32 min Scan# 2170
Delta R.T. -0.02 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion: 95 Resp: 1381407

Ion	Ratio	Lower	Upper
95	100		
174	67.0	52.9	79.3
175	5.0	3.8	5.8



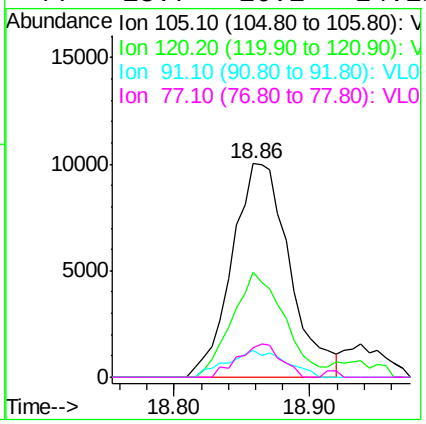


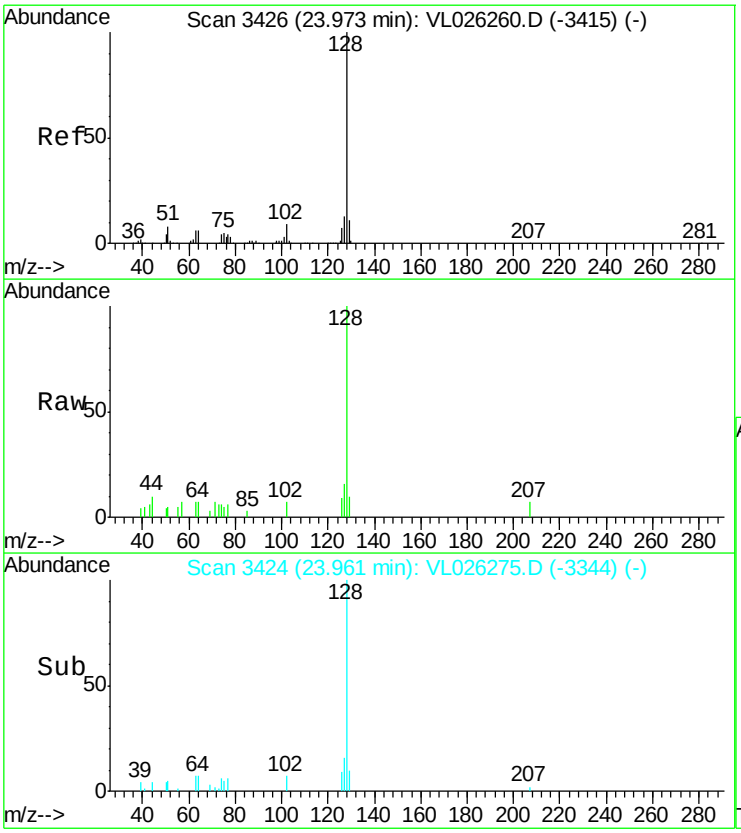
#74
1,2,4-Trimethylbenzene
Concen: 0.11 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. -0.03 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion:105 Resp: 29684

Ion	Ratio	Lower	Upper
105	100		
120	49.4	41.2	61.8
91	12.5	37.8	56.8#
77	13.7	16.1	24.1#





#79
Naphthalene
Concen: 0.12 ppbv
RT: 23.96 min Scan# 3424
Delta R.T. -0.01 min
Lab File: VL026275.D
Acq: 29 Oct 2015 21:47

Tgt Ion:128 Resp: 23964

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.1	15.1#
129	10.1	8.8	13.2