Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026669.D
Acq On : 12 Jan 2016 10:18
Operator : SY/AP
Sample : VL0112ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:00:05 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	817348	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	8.32	114	2449132	10.00	ppbv		0.01
55) Chlorobenzene-d5	13.74	117	3219505	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	2682747	10.45	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.57	51	5745	0.05	ppbv	#	82
9) Propene	3.61	41	2056	0.05	ppbv		95
13) Ethanol	4.35	45	289	0.04	ppbv		82
15) Acetone	4.63	43	48544	0.36	ppbv	#	1
19) Isopropyl Alcohol	4.79	45	2067	0.04	ppbv	#	1
20) Methylene Chloride	5.15	84	4082	0.07	ppbv	#	56
34) 2-Butanone	6.23	43	8594	0.07	ppbv	#	53
44) 2,2,4-Trimethylpentane	8.68	57	101979	0.25	ppbv	#	1
78) Hexachloro-1,3-Butadiene	24.68	225	7339	0.05	ppbv		99
79) Naphthalene	23.50	128	37919	0.10	ppbv		99
80) Naphthalene,2-methyl-	25.87	142	38908	0.64	ppbv		93
81) 1,2,4-Trichlorobenzene	23.75	180	5357	0.03	ppbv		90

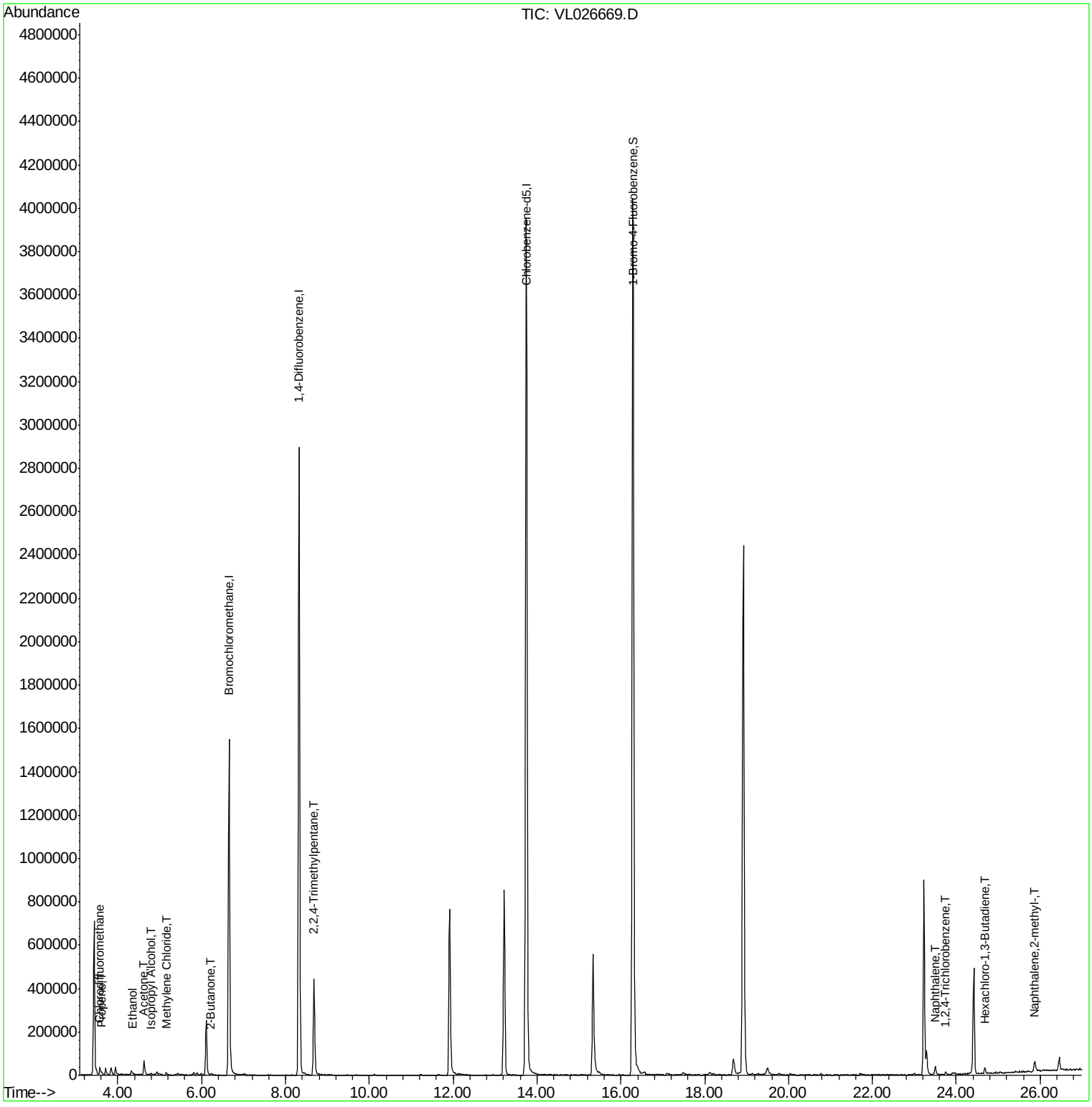
(#) = qualifier out of range (m) = manual integration (+) = signals summed

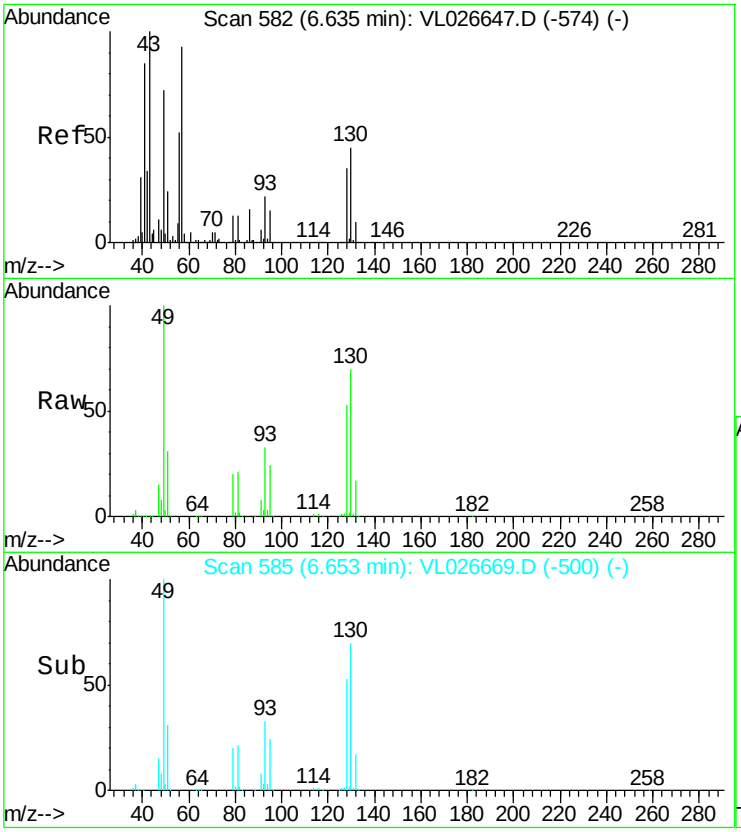
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026669.D
Acq On : 12 Jan 2016 10:18
Operator : SY/AP
Sample : VL0112ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:00:05 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration



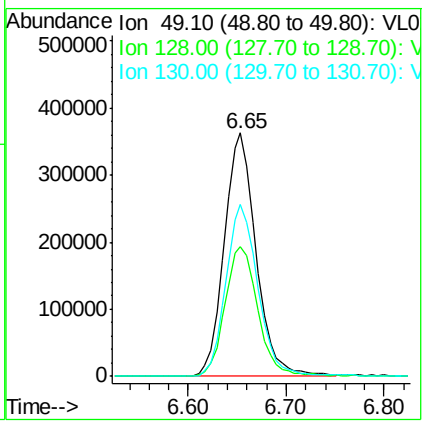


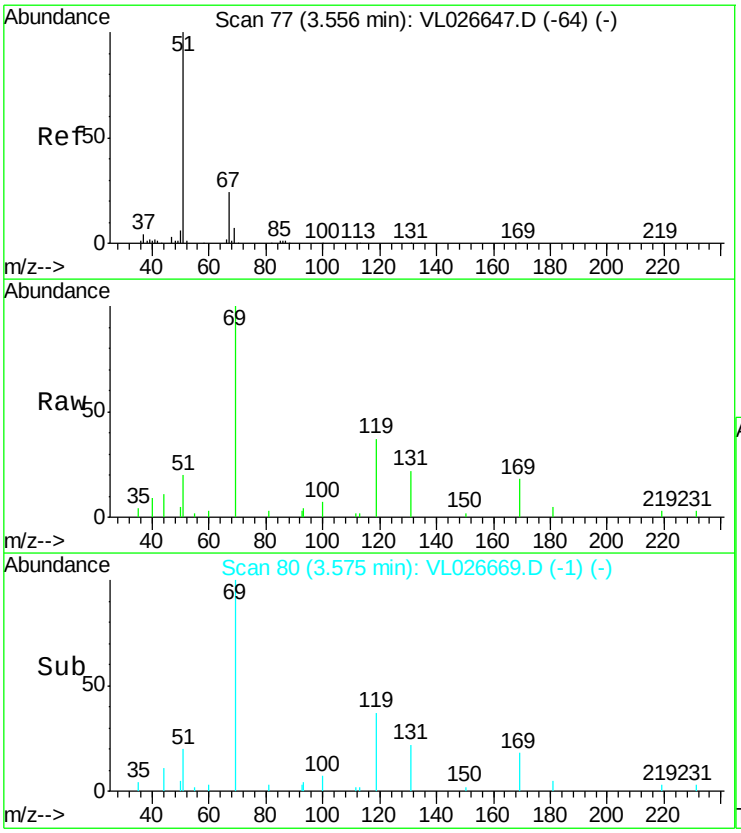
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 817348

Ion	Ratio	Lower	Upper
49	100		
128	55.9	25.9	77.7
130	72.4	33.6	100.8

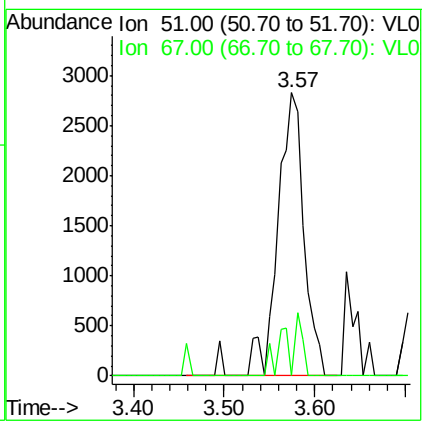


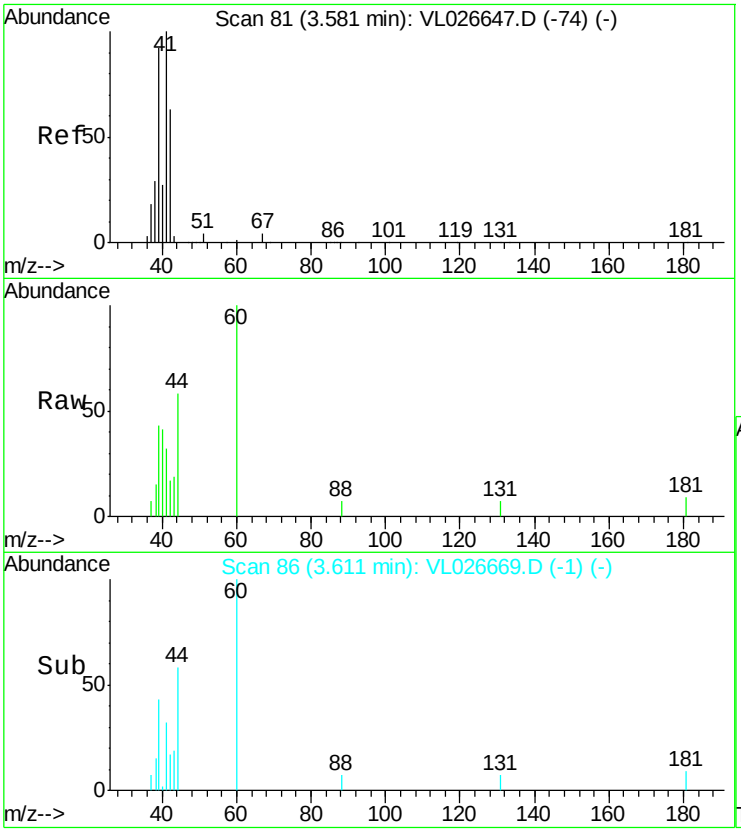


#3
Chlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.57 min Scan# 80
Delta R.T. 0.02 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion: 51 Resp: 5745

Ion	Ratio	Lower	Upper
51	100		
67	14.3	18.6	28.0#



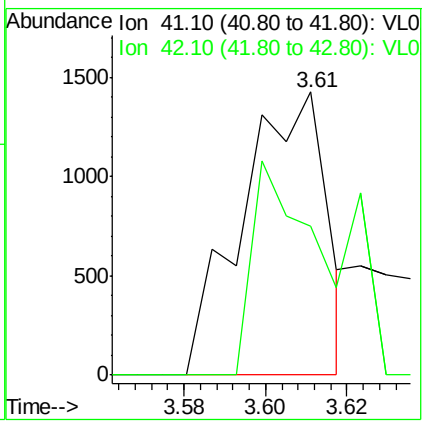


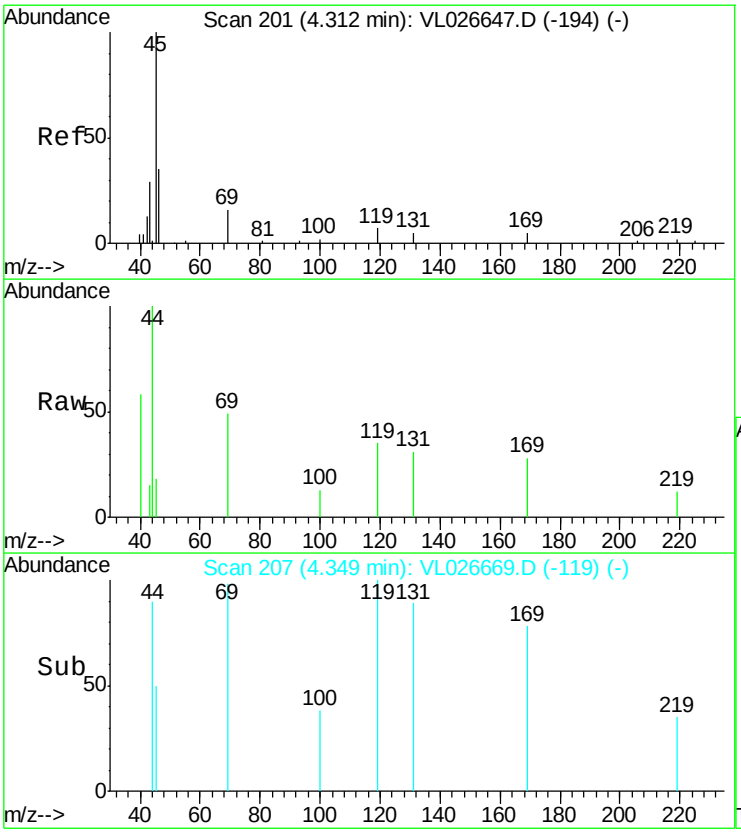
#9
Propene
Concen: 0.05 ppbv
RT: 3.61 min Scan# 86
Delta R.T. 0.03 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 2056

Ion	Ratio	Lower	Upper
41	100		
42	71.0	53.6	80.4

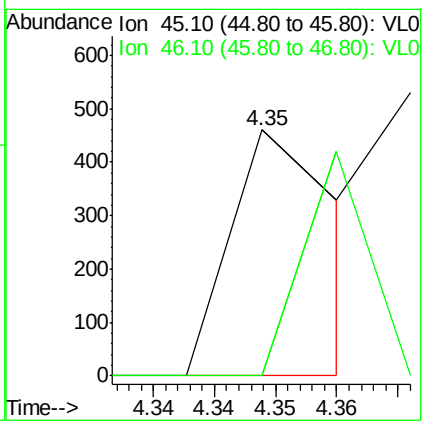


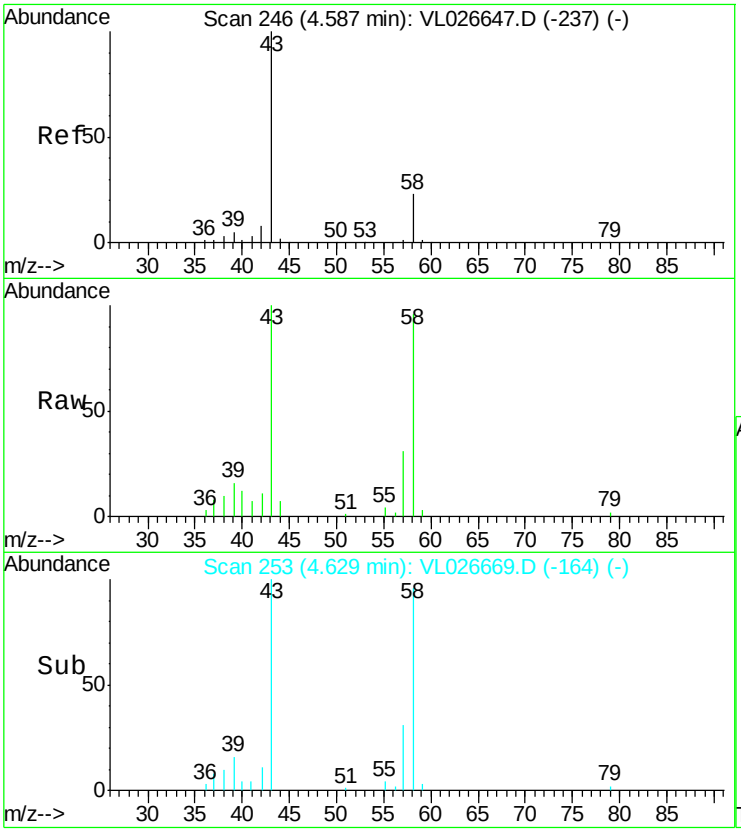


#13
Ethanol
Concen: 0.04 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.04 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion: 45 Resp: 289

Ion	Ratio	Lower	Upper
45	100		
46	53.3	16.7	66.7



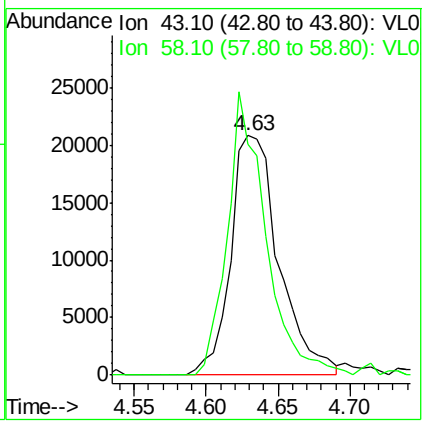


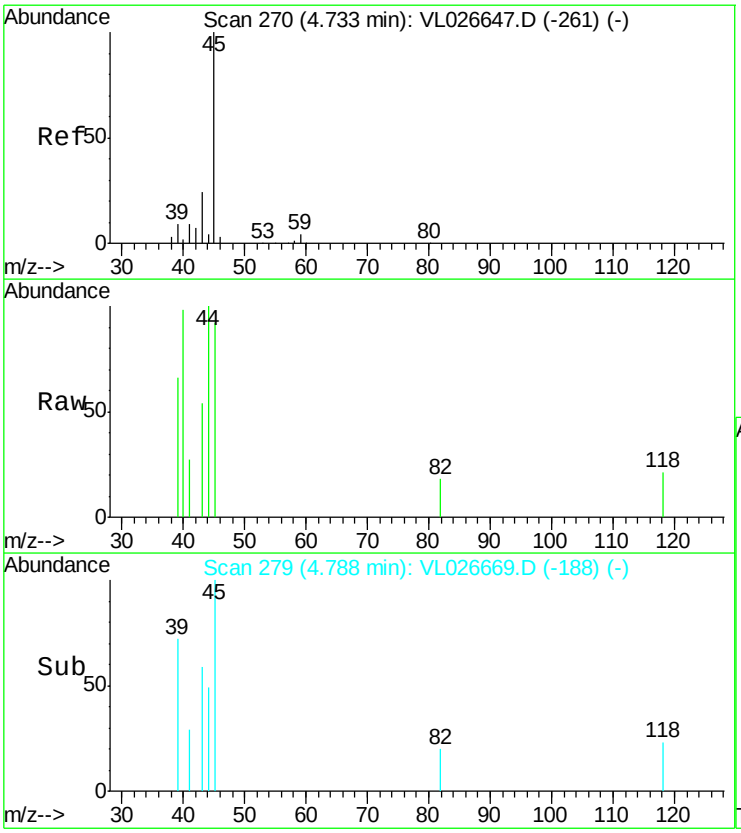
#15
Acetone
Concen: 0.36 ppbv
RT: 4.63 min Scan# 253
Delta R.T. 0.04 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 48544

Ion	Ratio	Lower	Upper
43	100		
58	95.5	19.2	28.8#

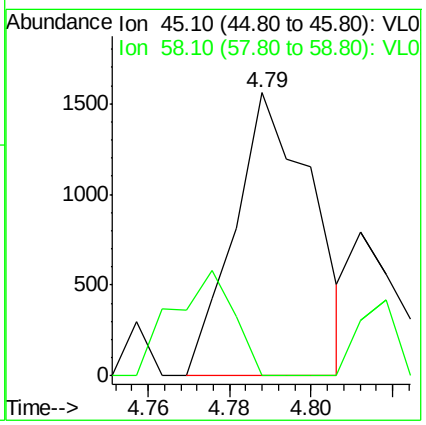


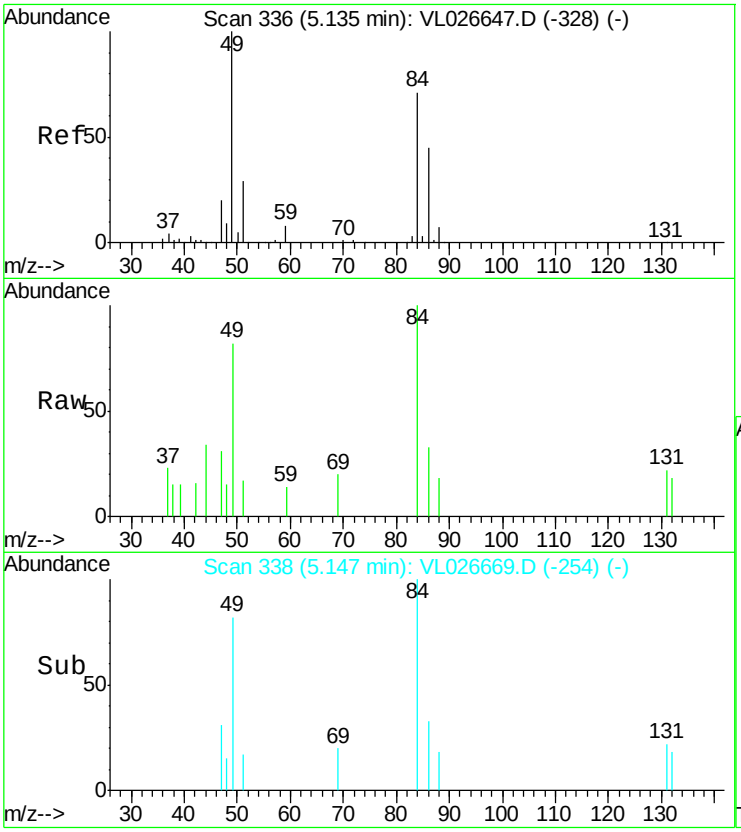


#19
Isopropyl Alcohol
Concen: 0.04 ppbv
RT: 4.79 min Scan# 279
Delta R.T. 0.05 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion: 45 Resp: 2067

Ion	Ratio	Lower	Upper
45	100		
58	2242.3	1.3	1.9#



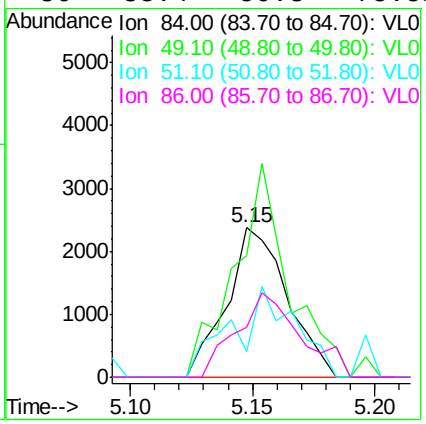


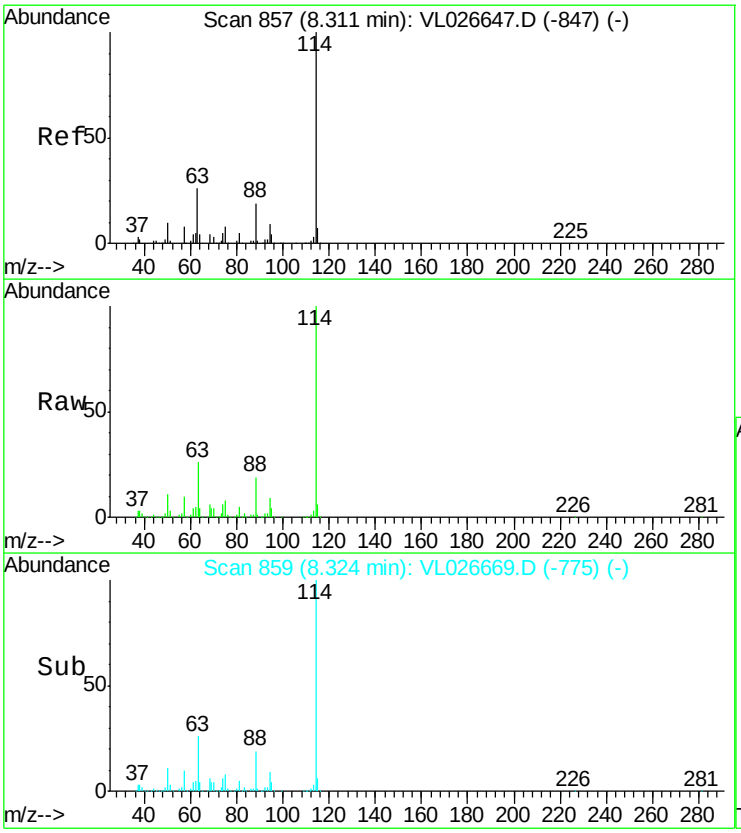
#20
Methylene Chloride
Concen: 0.07 ppbv
RT: 5.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 4082

Ion	Ratio	Lower	Upper
84	100		
49	81.9	112.3	168.5#
51	17.1	32.5	48.7#
86	33.4	50.3	75.5#

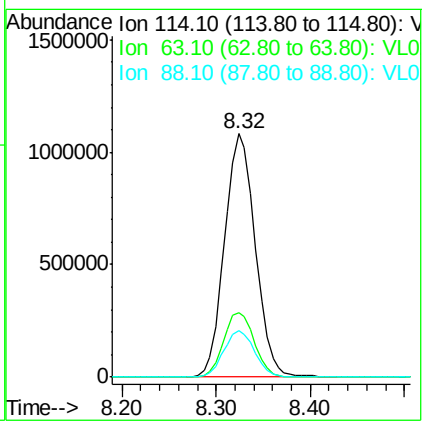


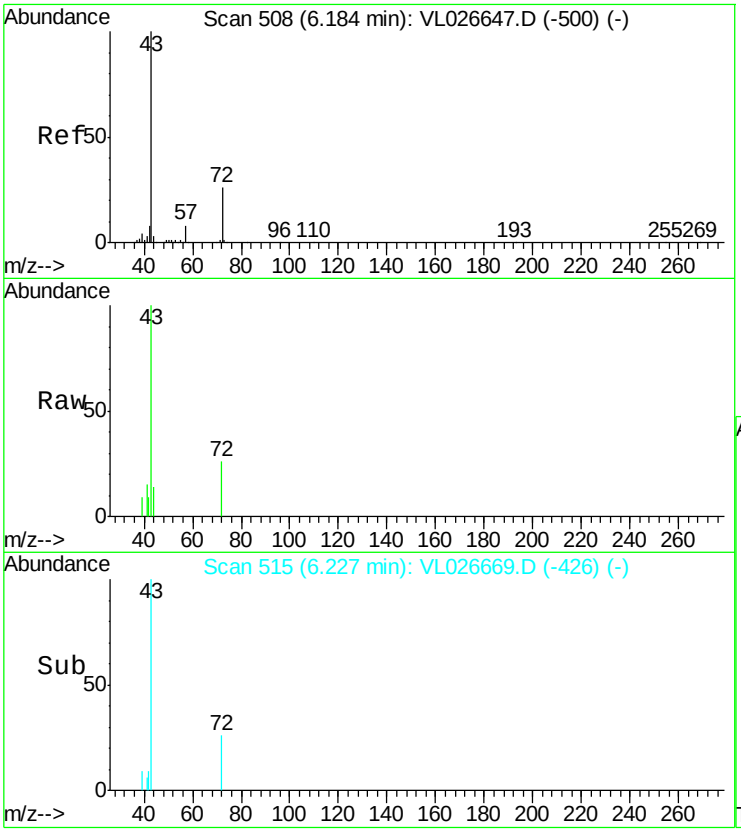


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. 0.01 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion:114 Resp: 2449132

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.7	32.5
88	19.2	15.2	22.8



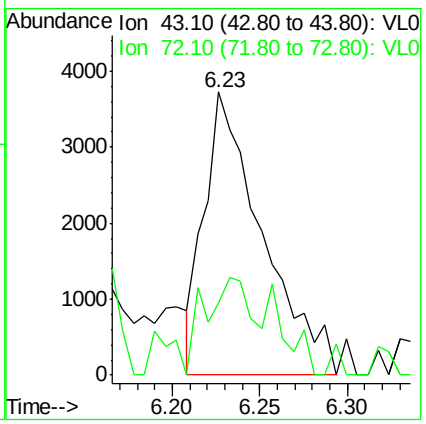


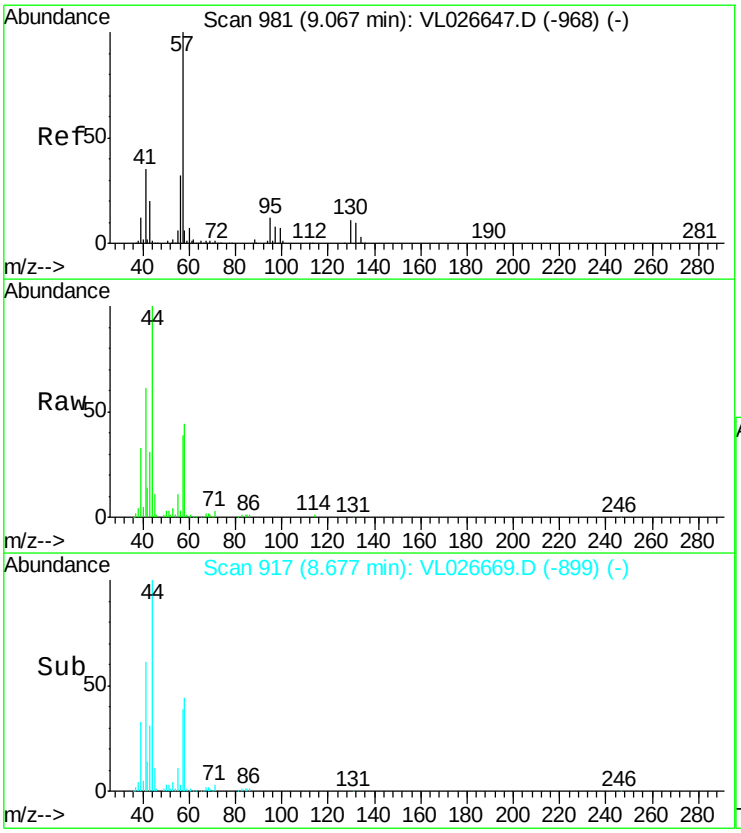
#34
2-Butanone
Concen: 0.07 ppbv
RT: 6.23 min Scan# 515
Delta R.T. 0.04 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 8594

Ion	Ratio	Lower	Upper
43	100		
72	50.2	20.9	31.3#

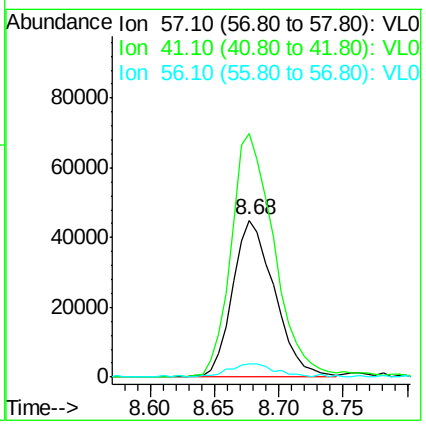


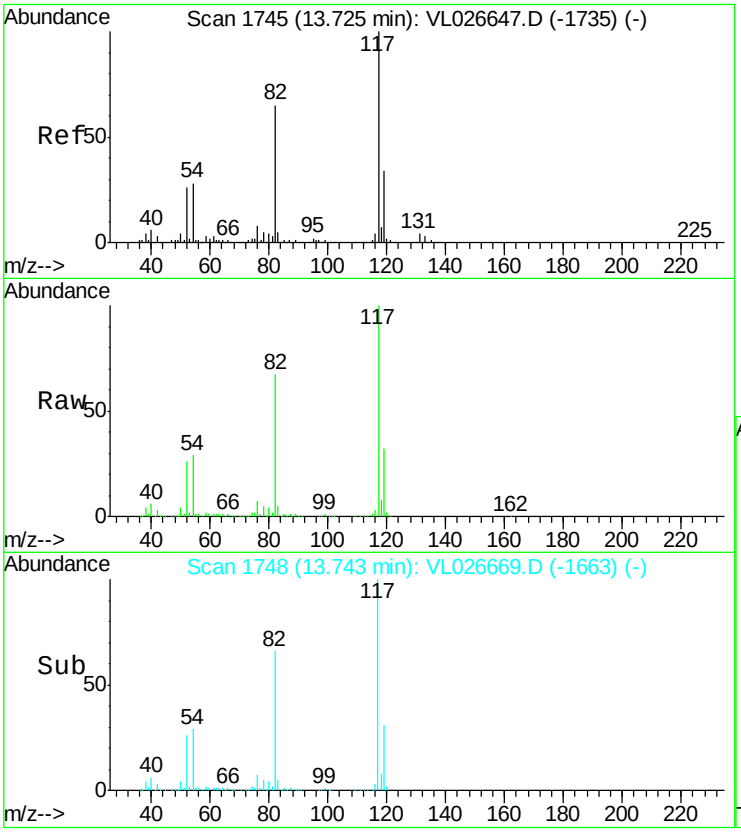


#44
2,2,4-Trimethylpentane
Concen: 0.25 ppbv
RT: 8.68 min Scan# 917
Delta R.T. -0.39 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion: 57 Resp: 101979

Ion	Ratio	Lower	Upper
57	100		
41	162.5	26.9	40.3#
56	9.4	25.4	38.0#



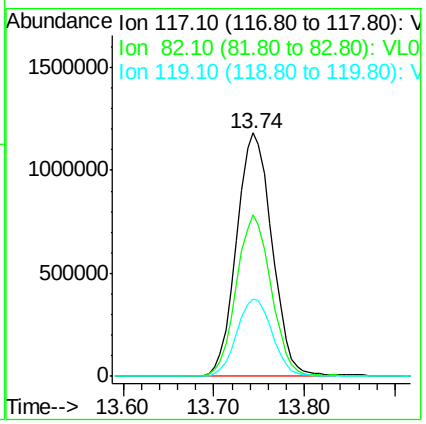


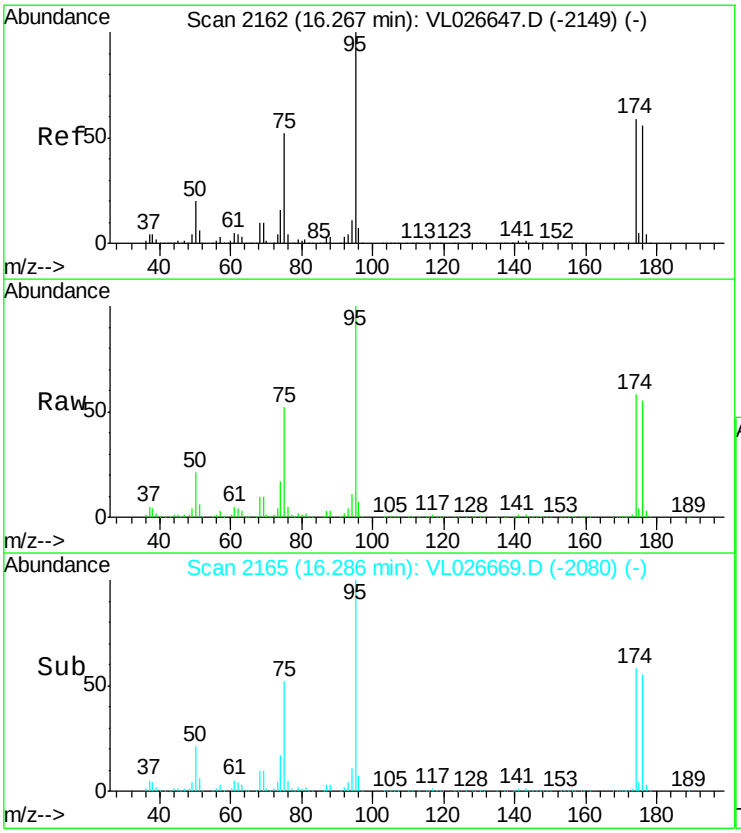
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. 0.02 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3219505

Ion	Ratio	Lower	Upper
117	100		
82	66.0	49.7	74.5
119	32.3	43.8	65.8#

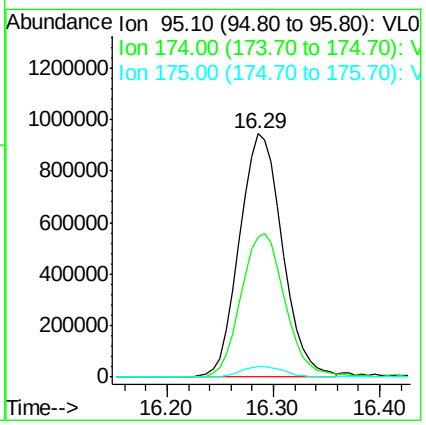


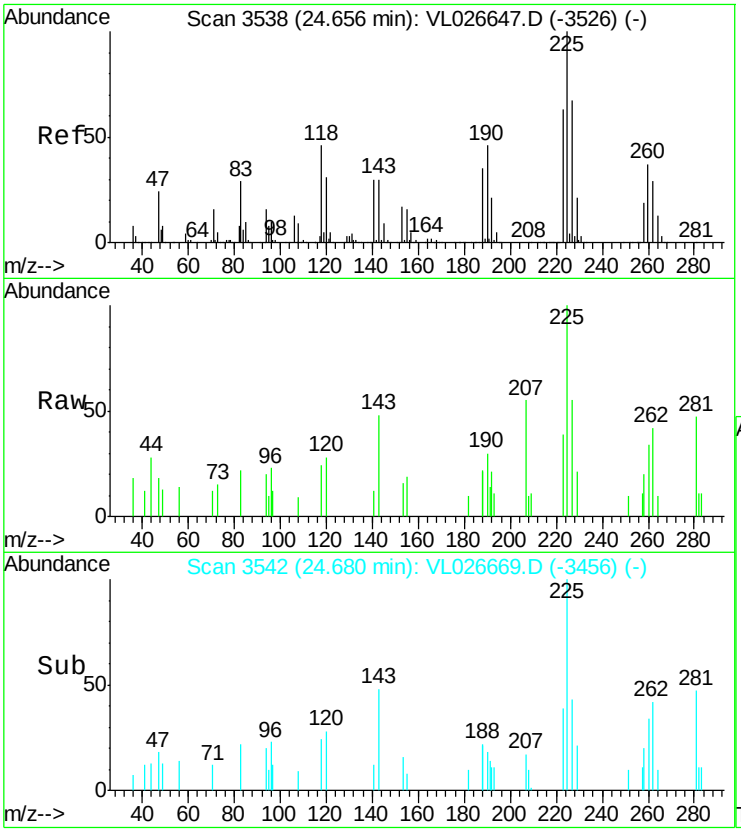


#68
1-Bromo-4-Fluorobenzene
Concen: 10.45 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. 0.02 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion: 95 Resp: 2682747

Ion	Ratio	Lower	Upper
95	100		
174	61.1	47.8	71.8
175	4.5	3.6	5.4



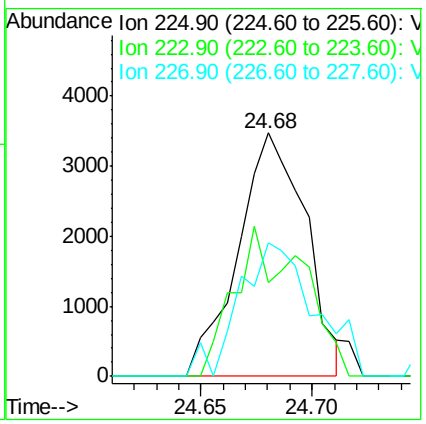


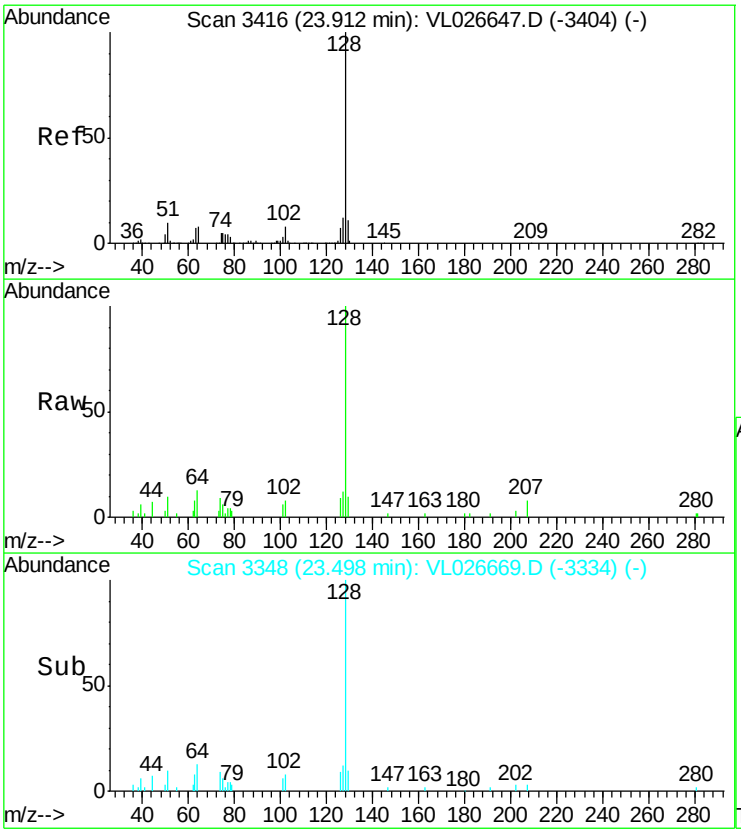
#78
Hexachloro-1,3-Butadiene
Concen: 0.05 ppbv
RT: 24.68 min Scan# 3542
Delta R.T. 0.02 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 7339

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.1	75.1
227	62.9	51.1	76.7

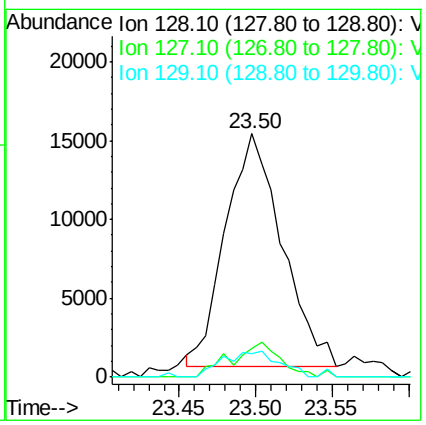


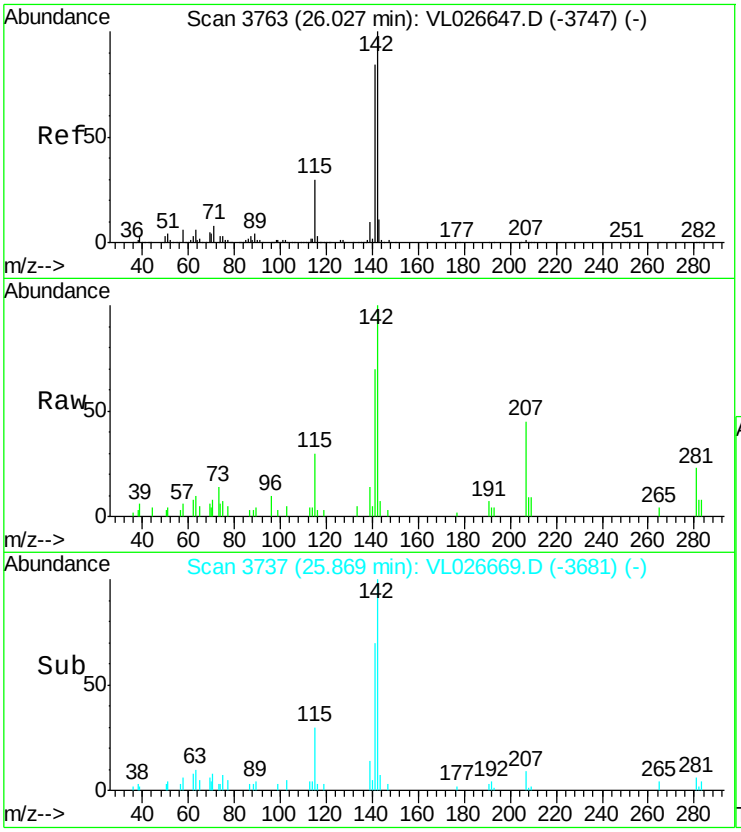


#79
Naphthalene
Concen: 0.10 ppbv
RT: 23.50 min Scan# 3348
Delta R.T. -0.41 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion:128 Resp: 37919

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.1	8.9	13.3



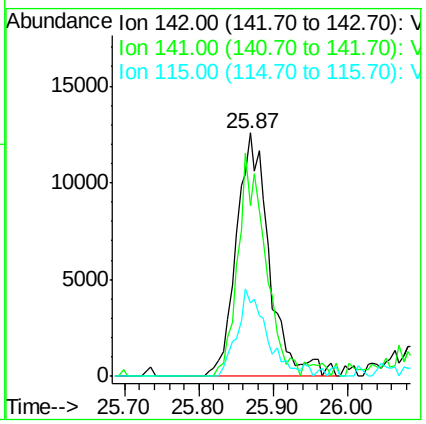


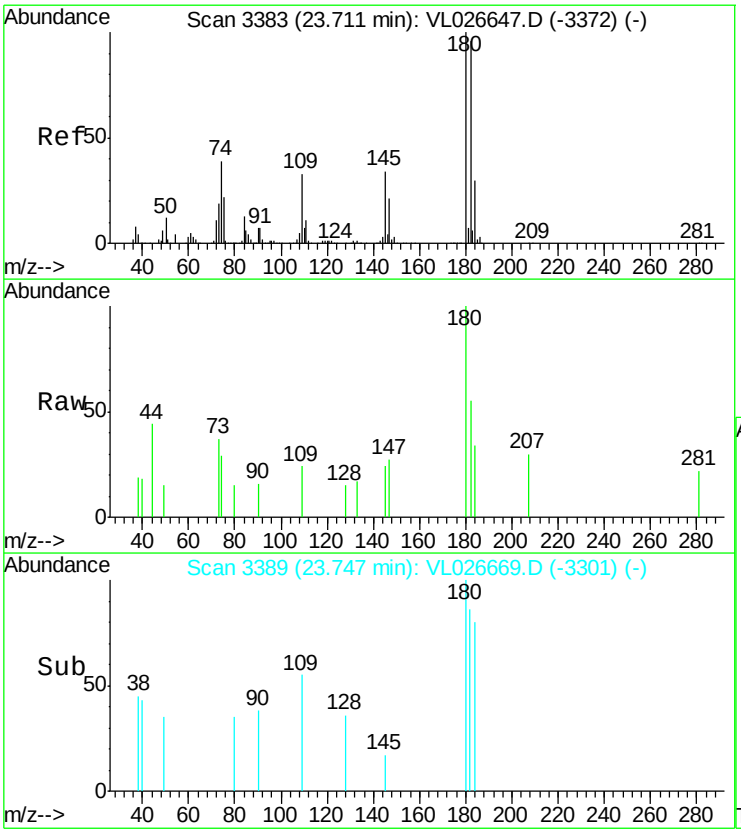
#80
Naphthalene,2-methyl-
Concen: 0.64 ppbv
RT: 25.87 min Scan# 3737
Delta R.T. -0.16 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 38908

Ion	Ratio	Lower	Upper
142	100		
141	77.1	67.0	100.6
115	34.2	24.7	37.1





#81
1,2,4-Trichlorobenzene
Concen: 0.03 ppbv
RT: 23.75 min Scan# 3389
Delta R.T. 0.04 min
Lab File: VL026669.D
Acq: 12 Jan 2016 10:18

Tgt Ion:180 Resp: 5357

Ion	Ratio	Lower	Upper
180	100		
182	105.8	75.4	113.0
184	33.2	24.1	36.1