Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026196.D
Acq On : 10 Oct 2015 4:15
Operator : SY/MD
Sample : G3925-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 12 02:08:45 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	342390	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	8.32	114	1169203	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.74	117	1305771	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.28	95	1054039	10.52	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.20%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.57	51	33457	0.84	ppbv		96
4) Chloromethane	3.57	50	2166	0.10	ppbv	#	42
9) Propene	3.60	41	1317	0.07	ppbv	#	27
10) Heptane	9.34	43	4653	0.07	ppbv		100
13) Ethanol	4.37	45	1001	0.37	ppbv	#	31
15) Acetone	4.63	43	48157	1.09	ppbv	#	85
16) 1,3-Butadiene	3.94	39	1422	0.07	ppbv	#	7
20) Methylene Chloride	5.15	84	2053	0.11	ppbv	#	75
23) Vinyl Acetate	6.01	43	4367	0.06	ppbv	#	59
34) 2-Butanone	6.24	43	2902	0.04	ppbv	#	51
51) 2-Hexanone	11.92	43	26379	0.34	ppbv	#	45
52) Tetrachloroethene	12.79	164	1664	0.03	ppbv	#	70
53) Toluene	11.23	91	24124	0.17	ppbv		99
65) tert-Butylbenzene	18.91	119	49132	0.26	ppbv	#	25

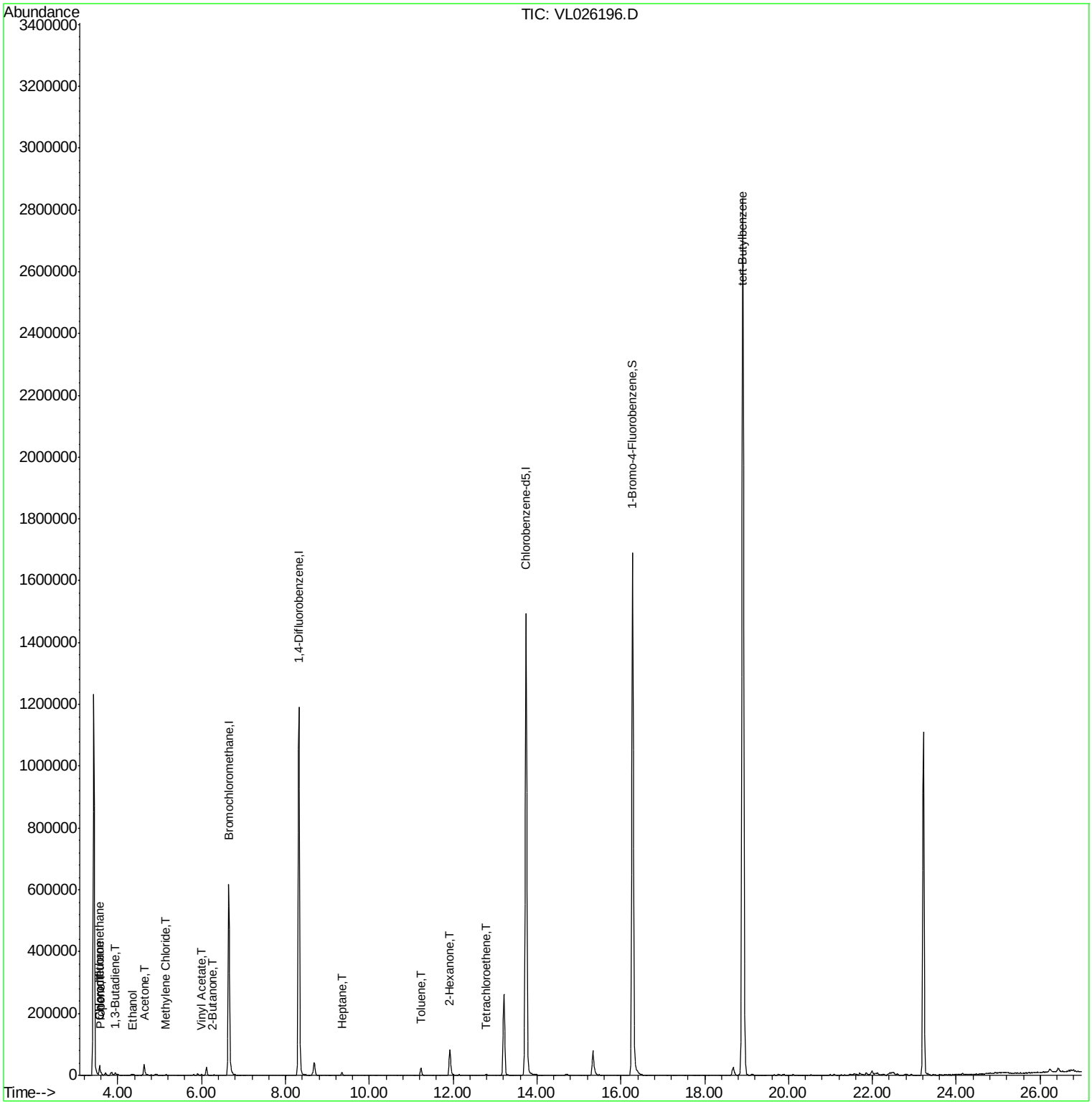
(#) = qualifier out of range (m) = manual integration (+) = signals summed

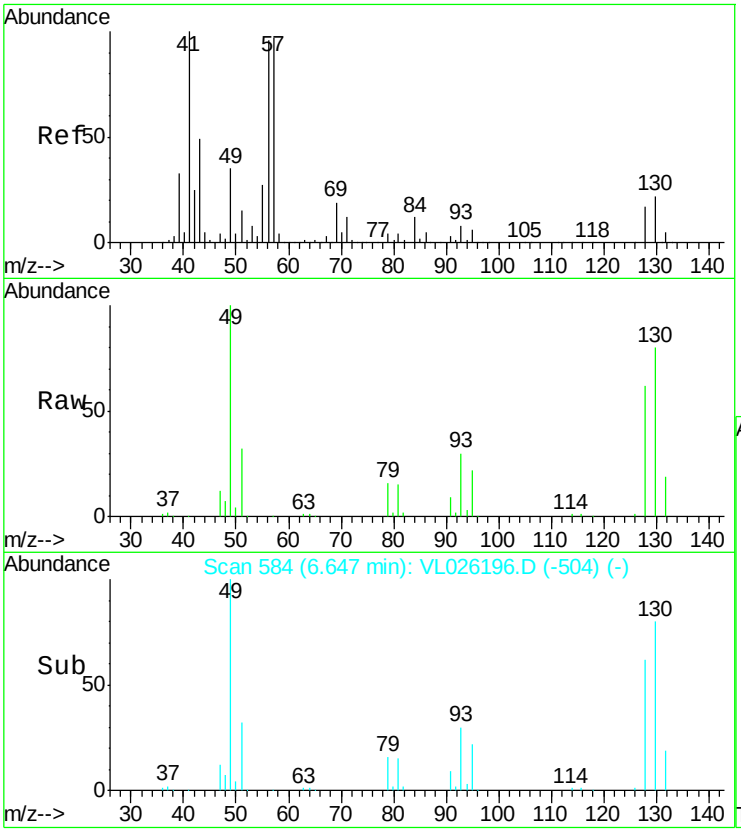
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026196.D
Acq On : 10 Oct 2015 4:15
Operator : SY/MD
Sample : G3925-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Oct 12 02:08:45 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration



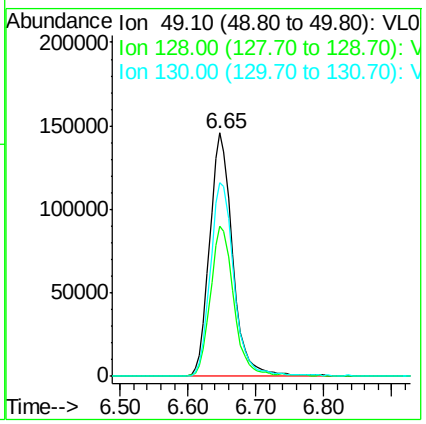


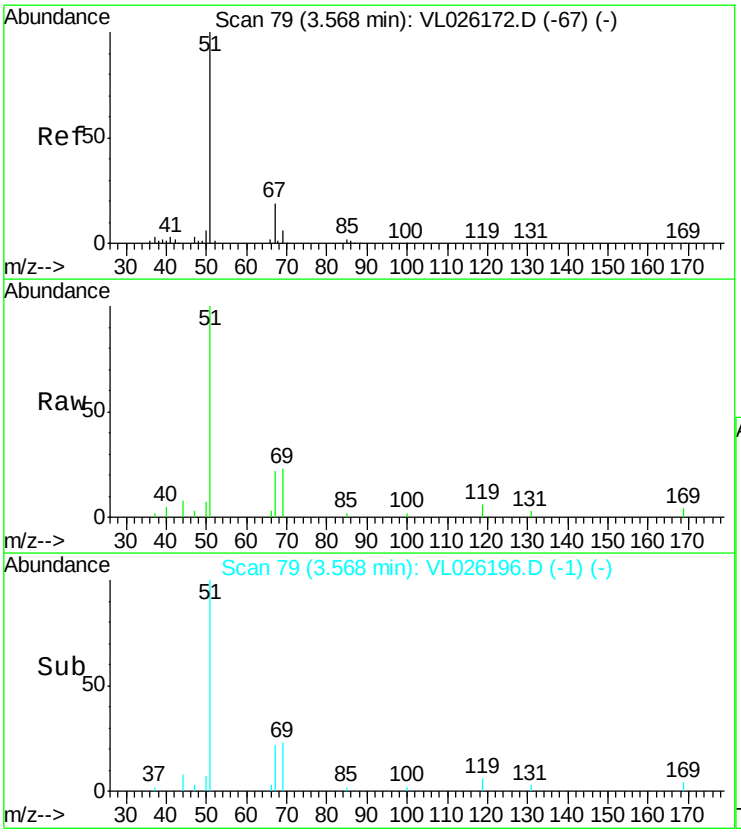
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 342390

Ion	Ratio	Lower	Upper
49	100		
128	63.3	26.3	78.8
130	83.1	34.2	102.5

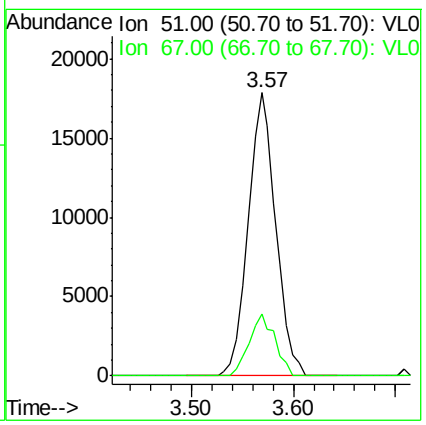


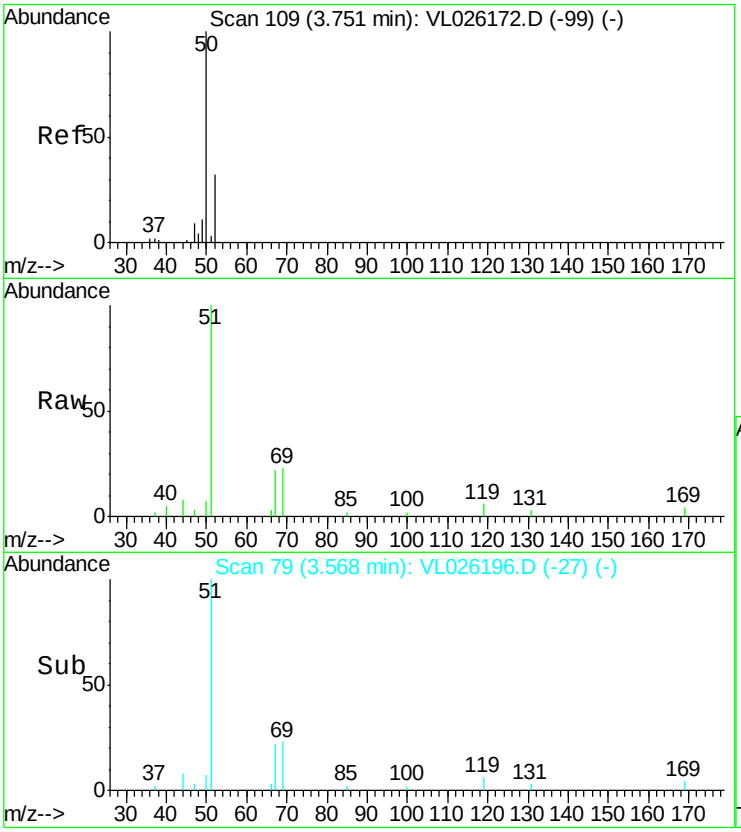


#3
Chlorodifluoromethane
Concen: 0.84 ppbv
RT: 3.57 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 51 Resp: 33457

Ion	Ratio	Lower	Upper
51	100		
67	20.4	14.9	22.3



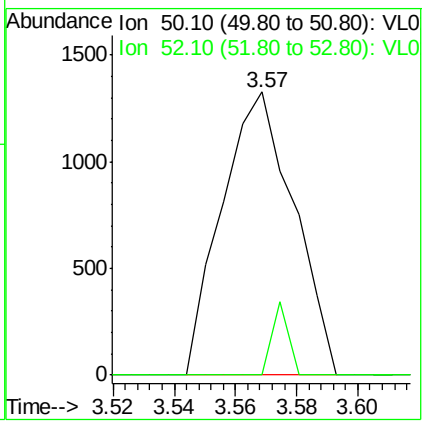


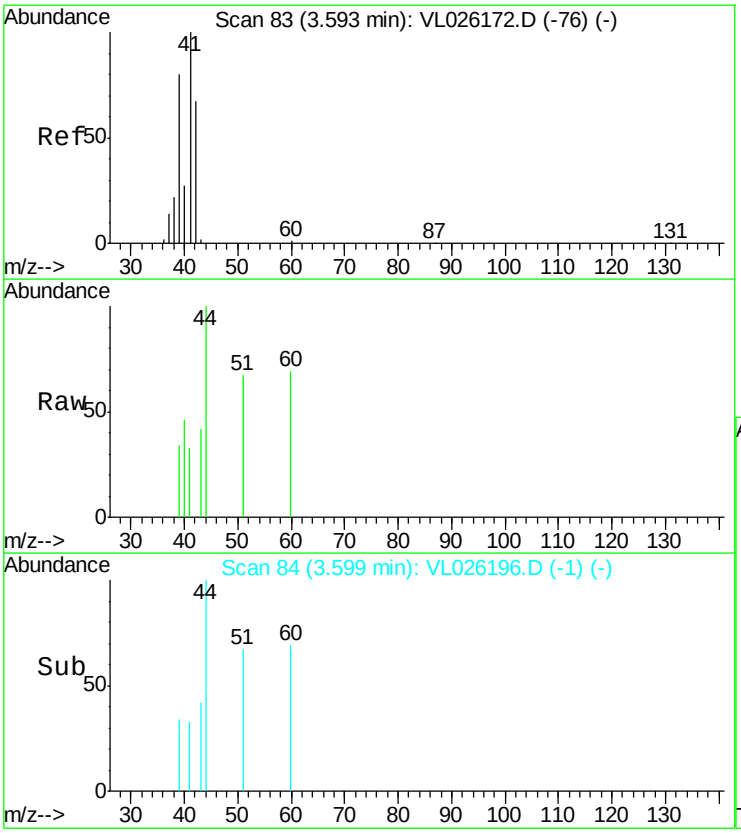
#4
Chloromethane
Concen: 0.10 ppbv
RT: 3.57 min Scan# 79
Delta R.T. -0.18 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 2166

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.9	38.9#

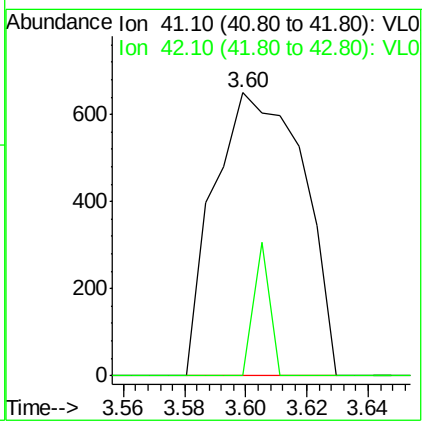


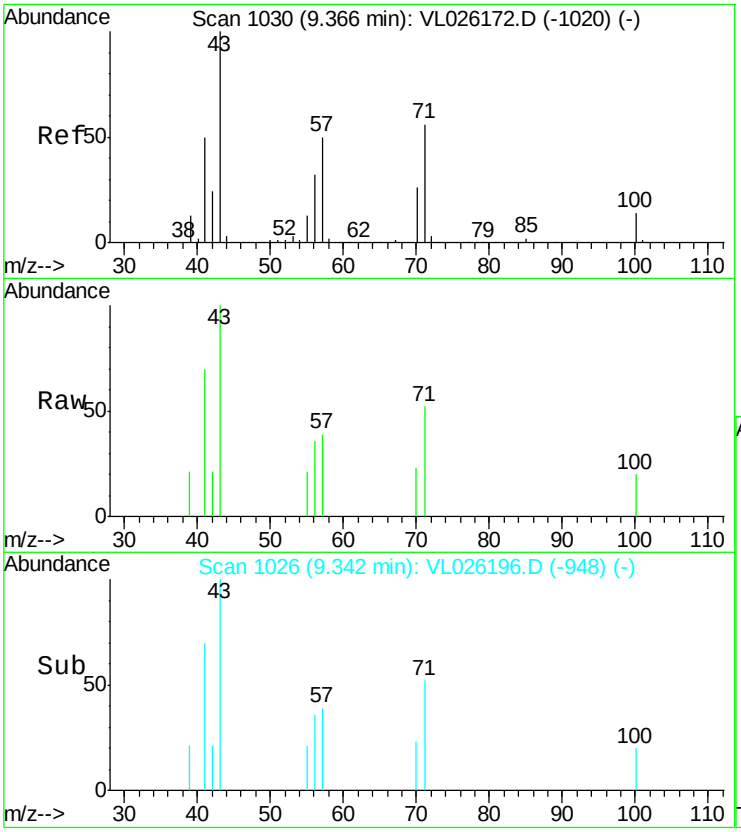


#9
Propene
Concen: 0.07 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 41 Resp: 1317

Ion	Ratio	Lower	Upper
41	100		
42	8.6	53.6	80.4#



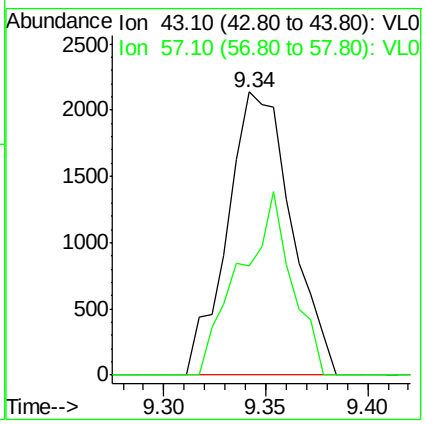


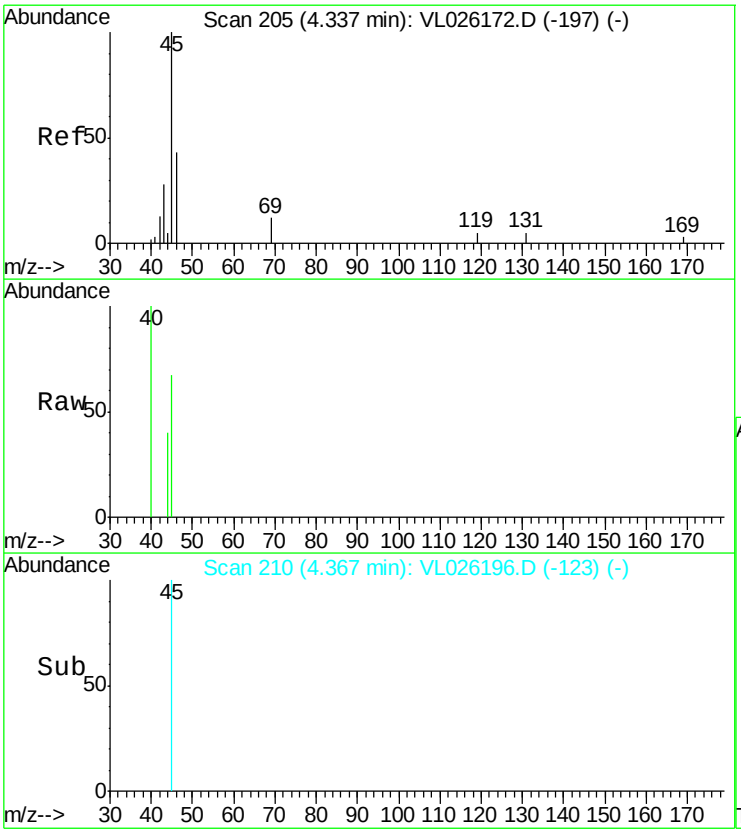
#10
Heptane
Concen: 0.07 ppbv
RT: 9.34 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 4653

Ion	Ratio	Lower	Upper
43	100		
57	52.4	41.8	62.8

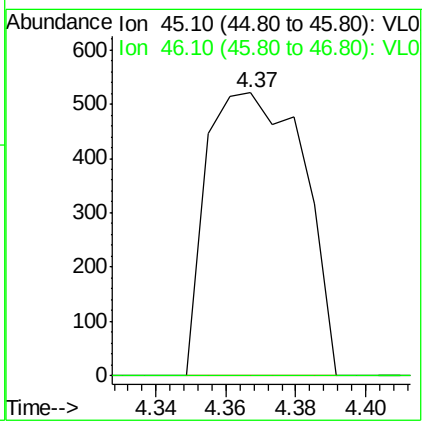


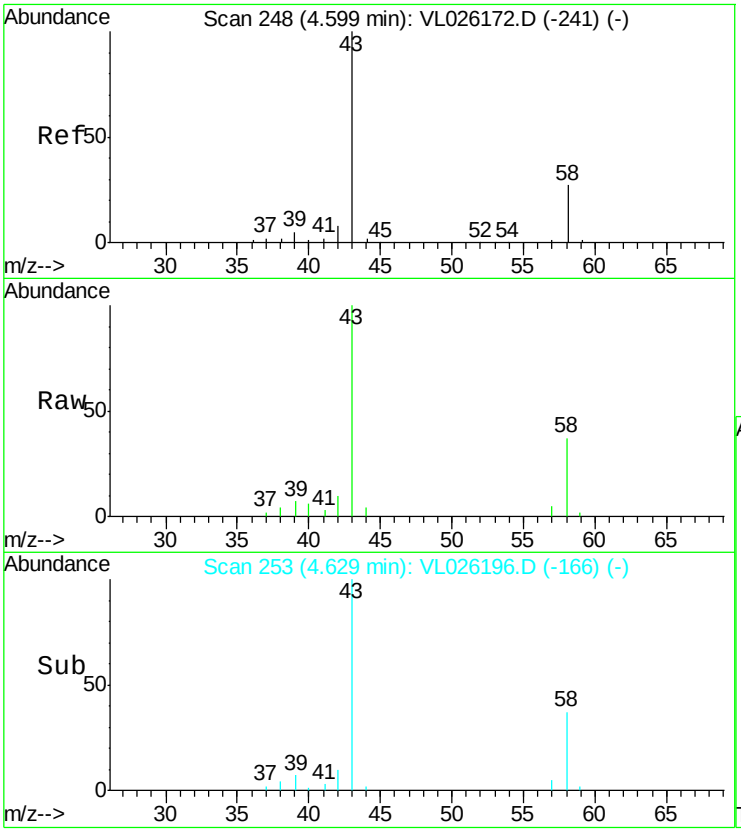


#13
Ethanol
Concen: 0.37 ppbv
RT: 4.37 min Scan# 210
Delta R.T. 0.03 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 45 Resp: 1001

Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.1	72.5#



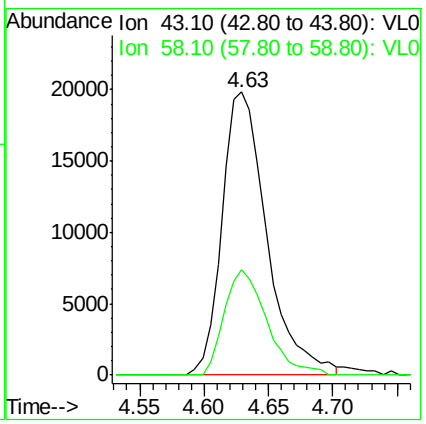


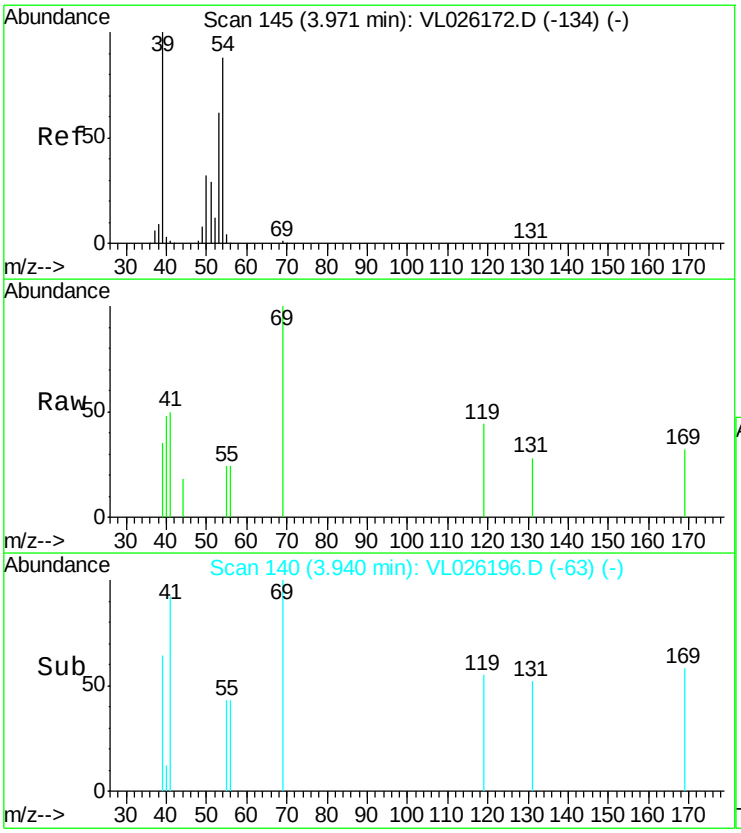
#15
Acetone
Concen: 1.09 ppbv
RT: 4.63 min Scan# 253
Delta R.T. 0.03 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 48157

Ion	Ratio	Lower	Upper
43	100		
58	35.1	22.0	33.0#

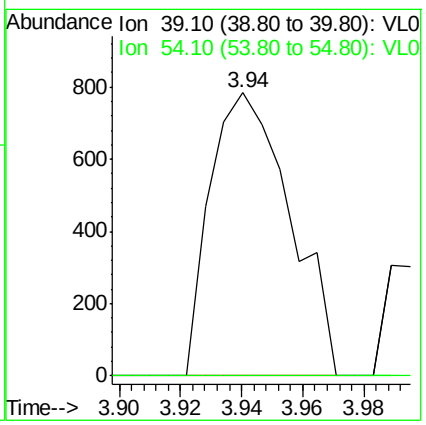


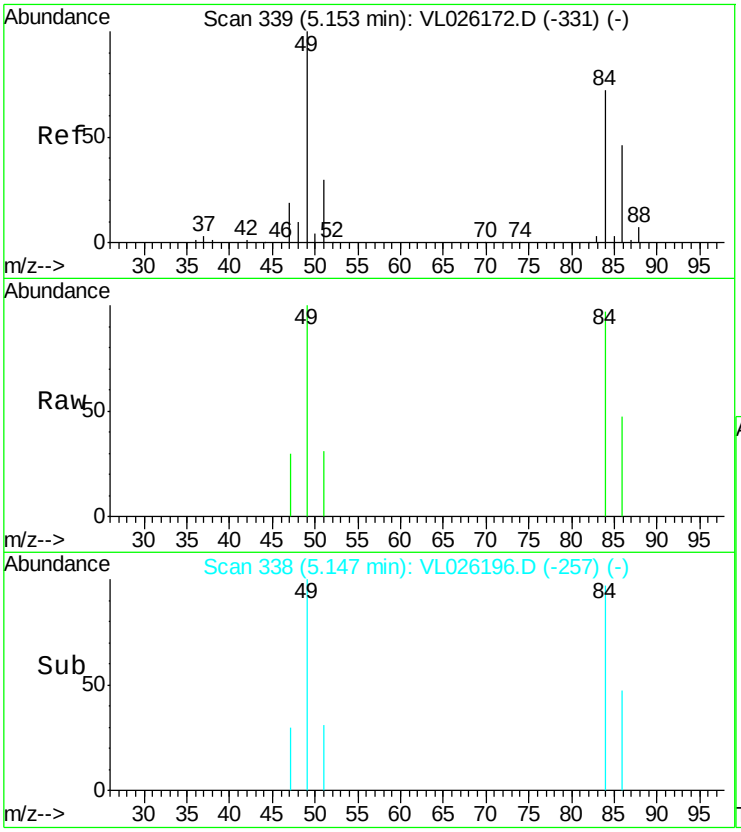


#16
1,3-Butadiene
Concen: 0.07 ppbv
RT: 3.94 min Scan# 140
Delta R.T. -0.03 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 39 Resp: 1422

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.9	101.9#



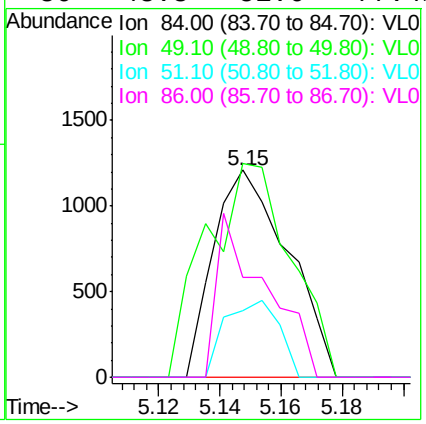


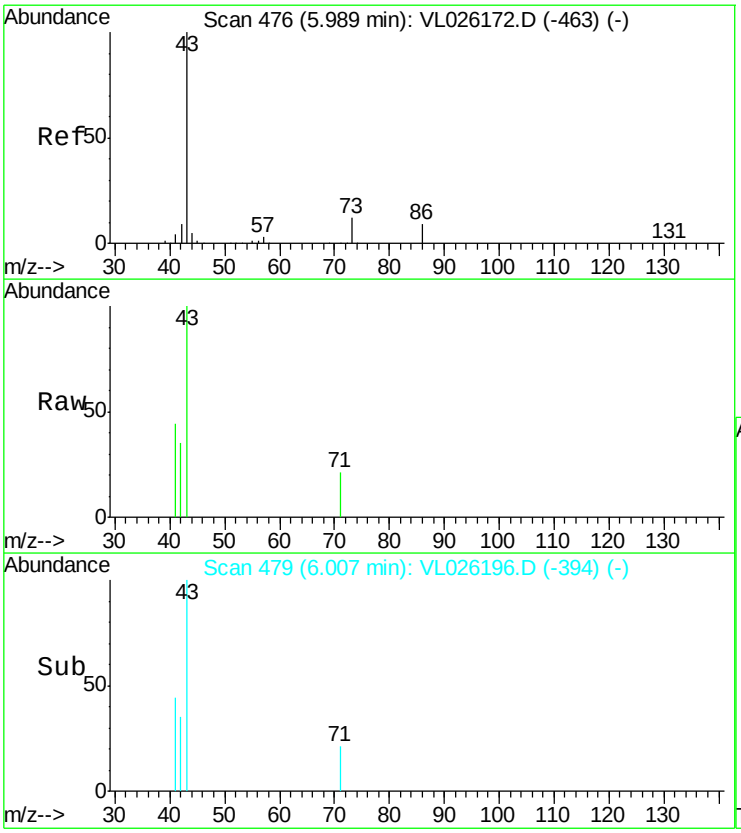
#20
Methylene Chloride
Concen: 0.11 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 2053

Ion	Ratio	Lower	Upper
84	100		
49	103.1	111.3	166.9#
51	32.4	33.0	49.6#
86	48.3	51.6	77.4#

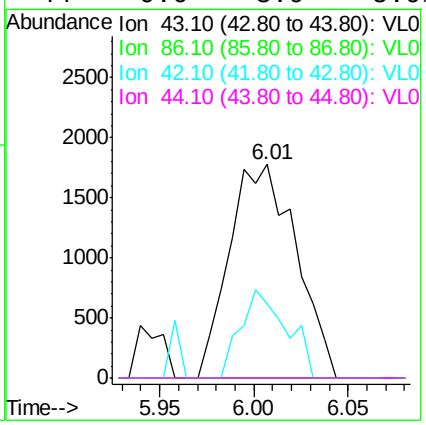


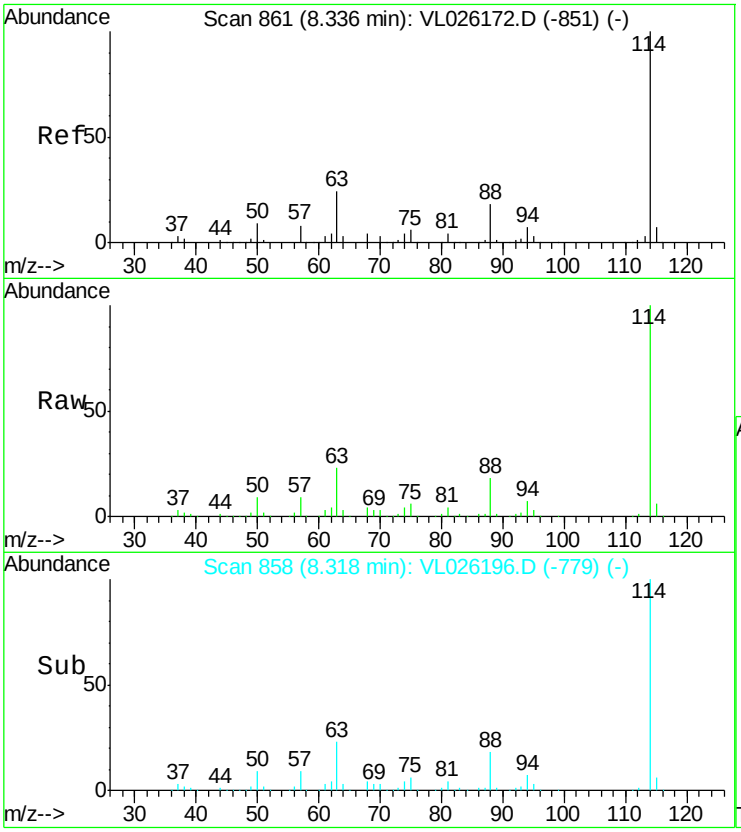


#23
Vinyl Acetate
Concen: 0.06 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 43 Resp: 4367

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.2	10.8#
42	34.9	7.4	11.2#
44	0.0	3.9	5.9#



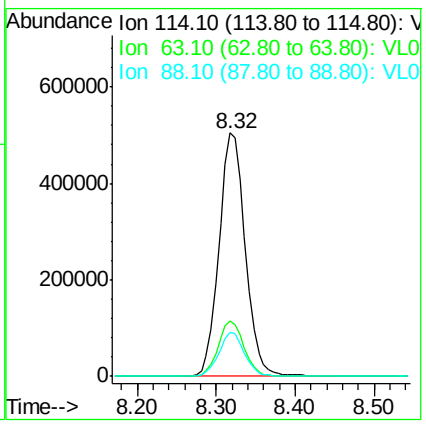


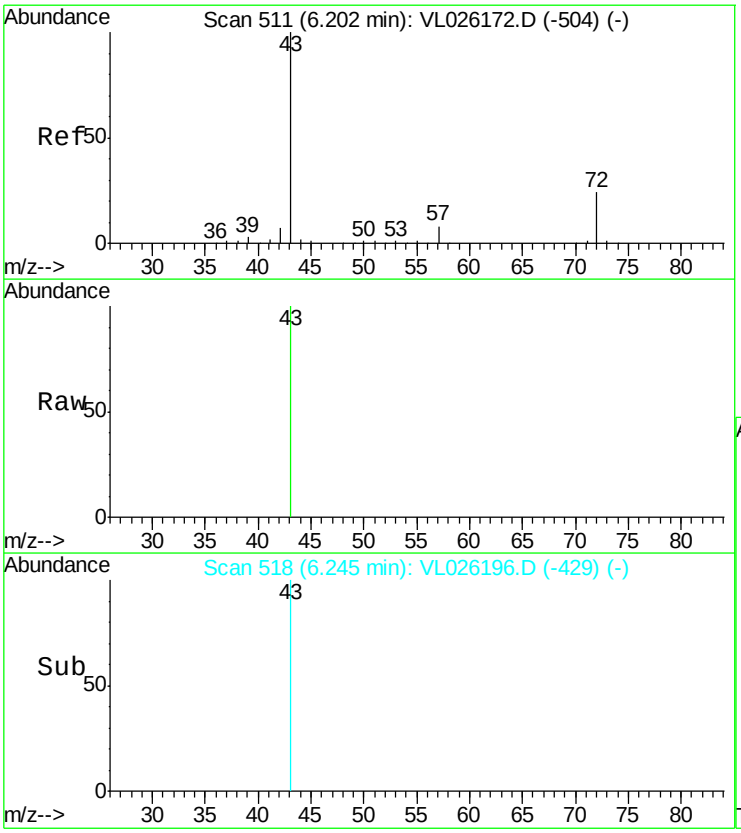
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.02 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1169203

Ion	Ratio	Lower	Upper
114	100		
63	22.4	19.0	28.6
88	17.5	13.8	20.8

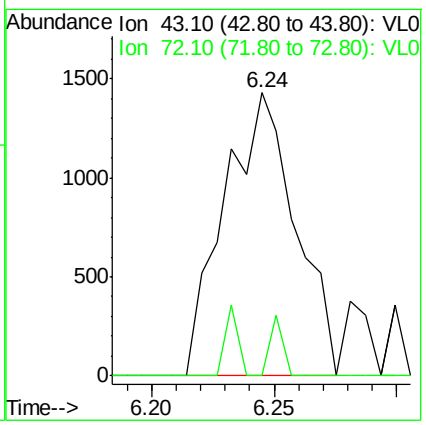


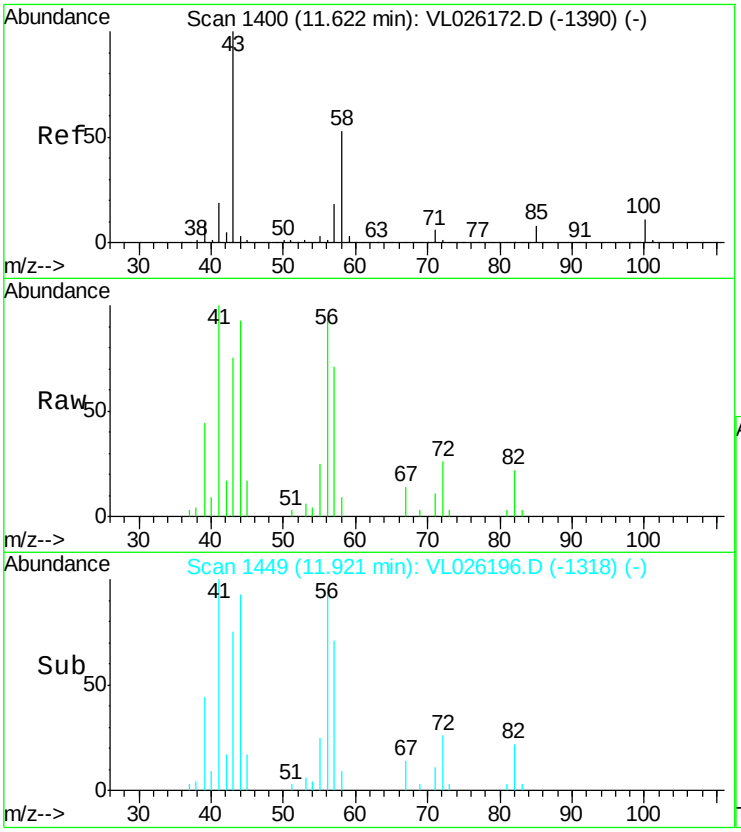


#34
2-Butanone
Concen: 0.04 ppbv
RT: 6.24 min Scan# 518
Delta R.T. 0.04 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 43 Resp: 2902

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.6	29.4#



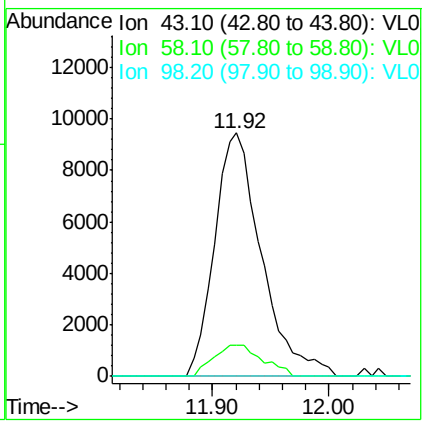


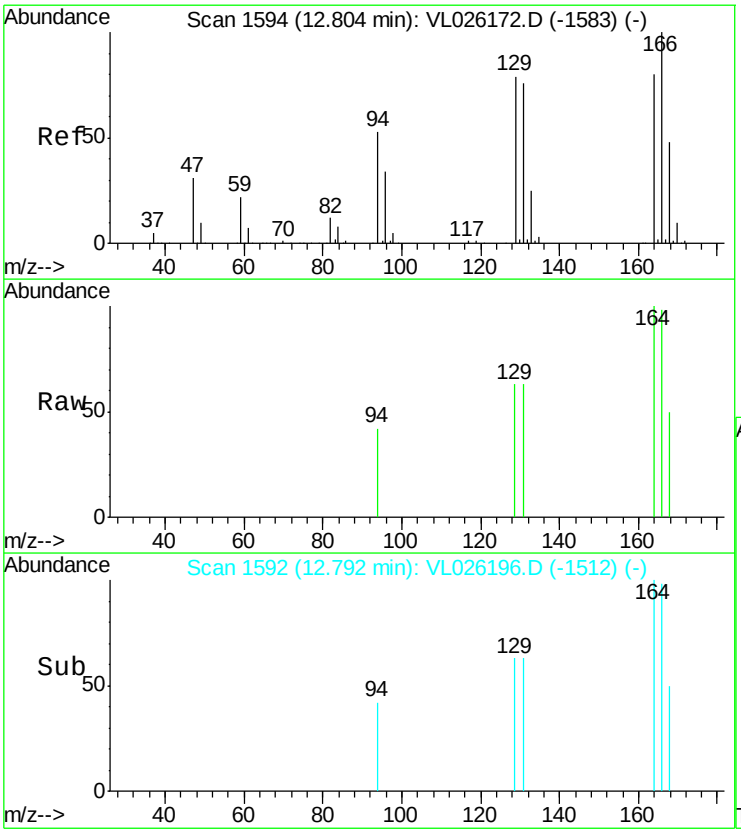
#51
2-Hexanone
Concen: 0.34 ppbv
RT: 11.92 min Scan# 1449
Delta R.T. 0.30 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 26379

Ion	Ratio	Lower	Upper
43	100		
58	13.4	42.2	63.4#
98	0.0	0.2	0.2#

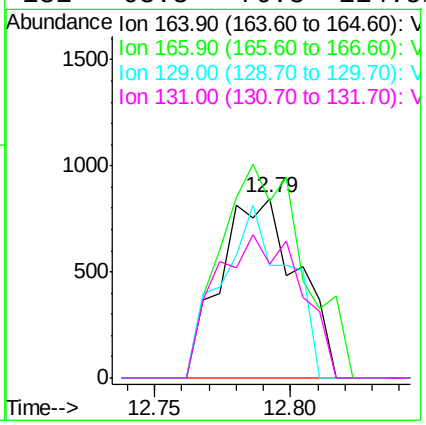


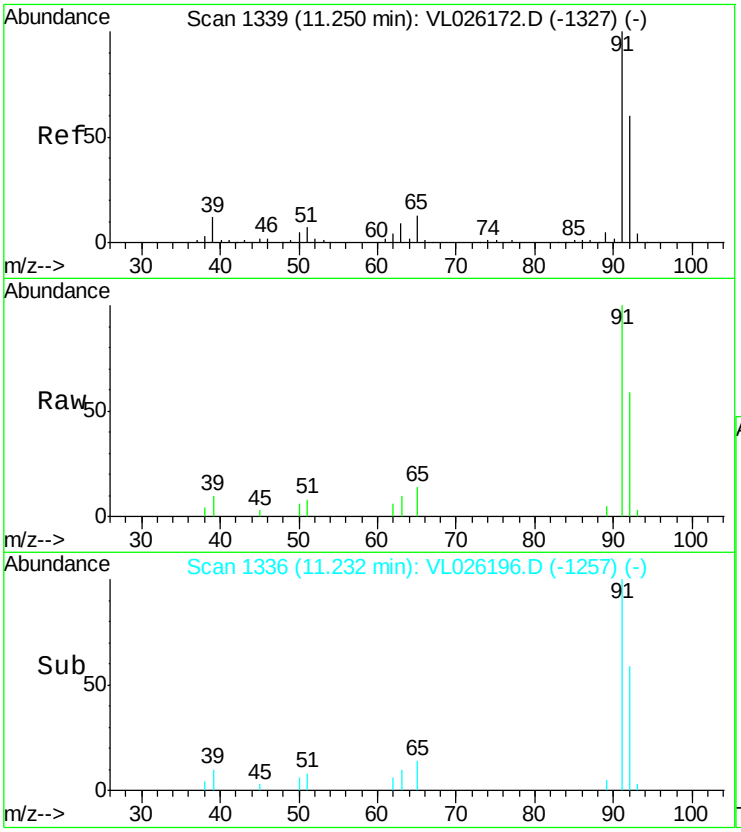


#52
Tetrachloroethene
Concen: 0.03 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion:164 Resp: 1664

Ion	Ratio	Lower	Upper
164	100		
166	98.3	99.9	149.9#
129	63.0	79.1	118.7#
131	63.3	76.3	114.5#



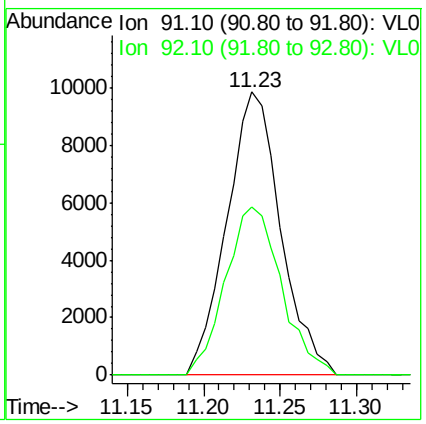


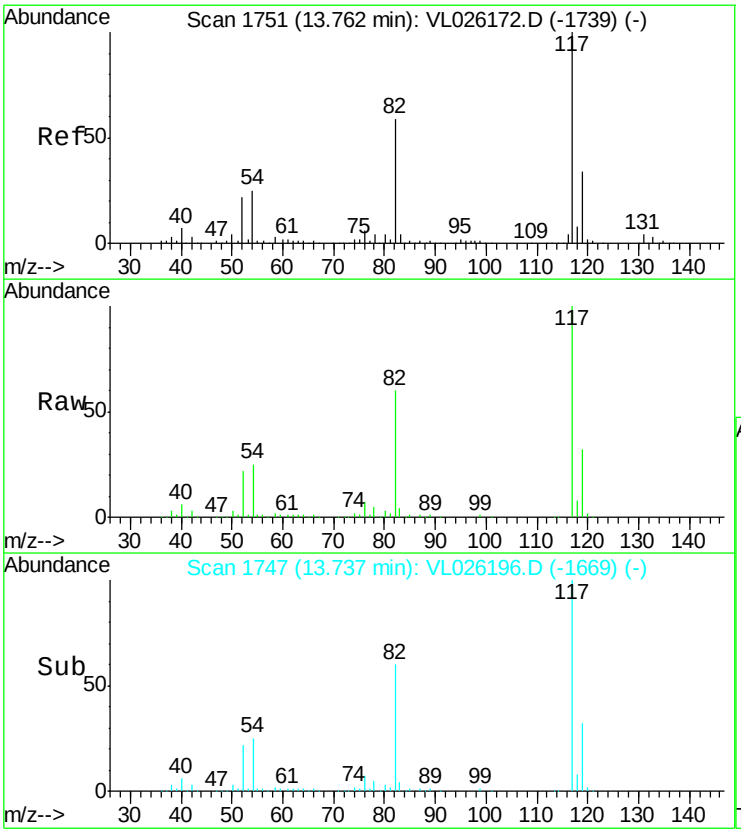
#53
Toluene
Concen: 0.17 ppbv
RT: 11.23 min Scan# 1336
Delta R.T. -0.02 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 24124

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.5	72.7

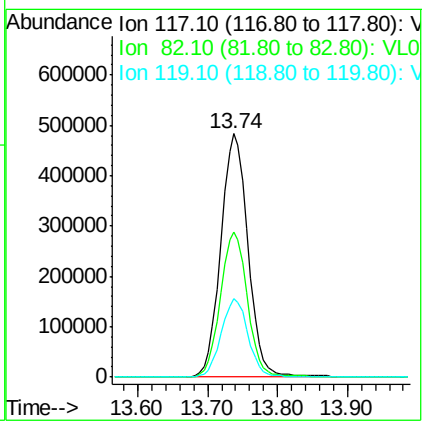


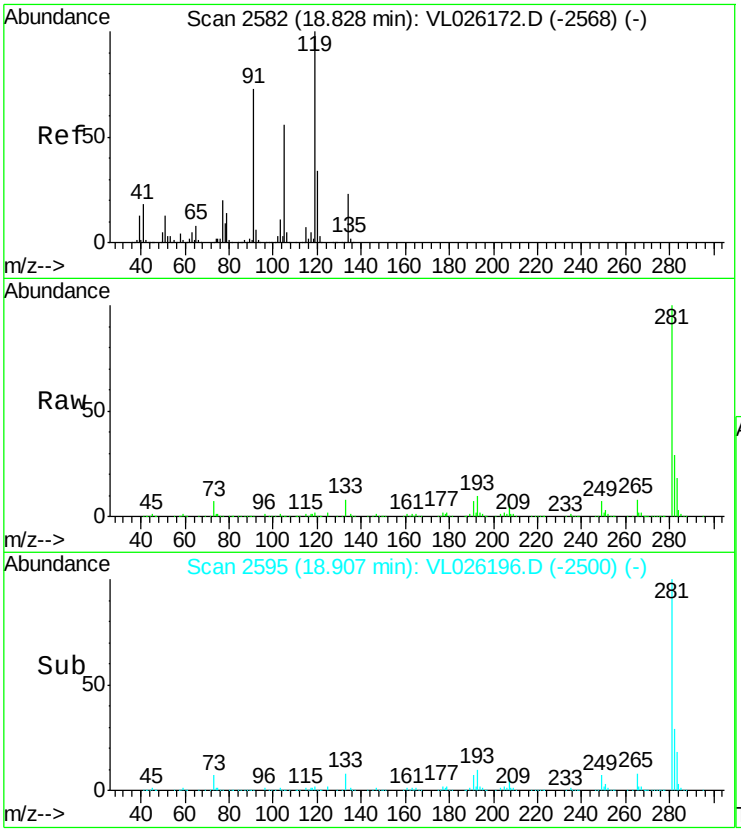


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1747
Delta R.T. -0.02 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion:117 Resp: 1305771

Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.7	71.5
119	32.4	43.7	65.5#



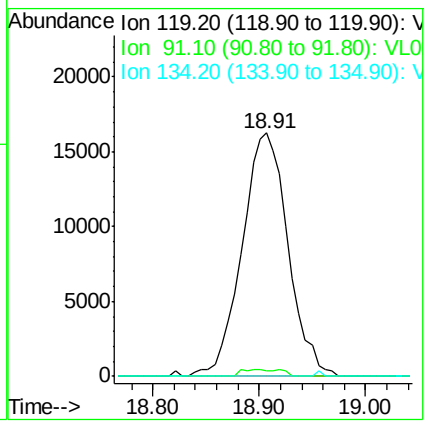


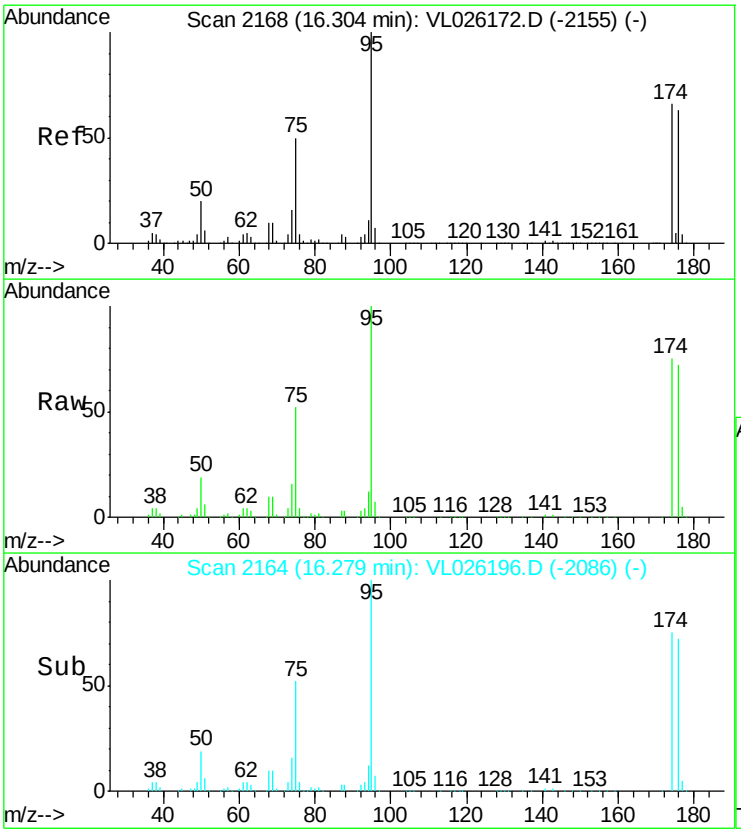
#65
tert-Butylbenzene
Concen: 0.26 ppbv
RT: 18.91 min Scan# 2595
Delta R.T. 0.08 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 49132

Ion	Ratio	Lower	Upper
119	100		
91	2.4	58.5	87.7#
134	0.3	18.0	27.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.52 ppbv
RT: 16.28 min Scan# 2164
Delta R.T. -0.02 min
Lab File: VL026196.D
Acq: 10 Oct 2015 4:15

Tgt Ion: 95 Resp: 1054039

Ion	Ratio	Lower	Upper
95	100		
174	75.7	52.2	78.4
175	0.2	3.9	5.9#