Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026237.D
Acq On : 21 Oct 2015 14:35
Operator : SY/MD
Sample : G4112-02DL 100X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239DL

Quant Time: Oct 22 08:33:00 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.62	49	480465	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.29	114	1339649	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.71	117	1683037	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1339851	10.32	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.62	85	28280	0.28	ppbv		98
3) Chlorodifluoromethane	3.56	51	57495	0.95	ppbv		97
8) Dichlorotetrafluoroethane	3.62	85	28280	0.33	ppbv	#	13
9) Propene	3.59	41	2010	0.07	ppbv	#	68
13) Ethanol	4.34	45	19755	4.62	ppbv		95
15) Acetone	4.61	43	50588	0.72	ppbv	#	75
16) 1,3-Butadiene	3.92	39	4272	0.14	ppbv	#	7
17) tert-Butyl alcohol	5.16	59	5318	0.11	ppbv	#	78
20) Methylene Chloride	5.13	84	6734	0.24	ppbv		89
23) Vinyl Acetate	5.93	43	2776	0.02	ppbv	#	1
25) Ethyl Acetate	6.63	43	6887	0.05	ppbv	#	83
26) Hexane	6.63	57	7655	0.12	ppbv	#	53
34) 2-Butanone	6.21	43	7682	0.10	ppbv		99
38) Trichloroethene	9.03	130	9961	0.15	ppbv		96
41) Tetrahydrofuran	7.15	42	4311	0.10	ppbv		99
51) 2-Hexanone	11.50	43	4051	0.04	ppbv	#	25
52) Tetrachloroethene	12.76	164	1196519	15.29	ppbv		99
53) Toluene	11.21	91	35699	0.19	ppbv		98
59) m/p-Xylene	14.66	91	12820	0.06	ppbv		97
60) o-Xylene	15.46	91	5798	0.03	ppbv		97
74) 1,2,4-Trimethylbenzene	18.80	105	13513	0.05	ppbv	#	70

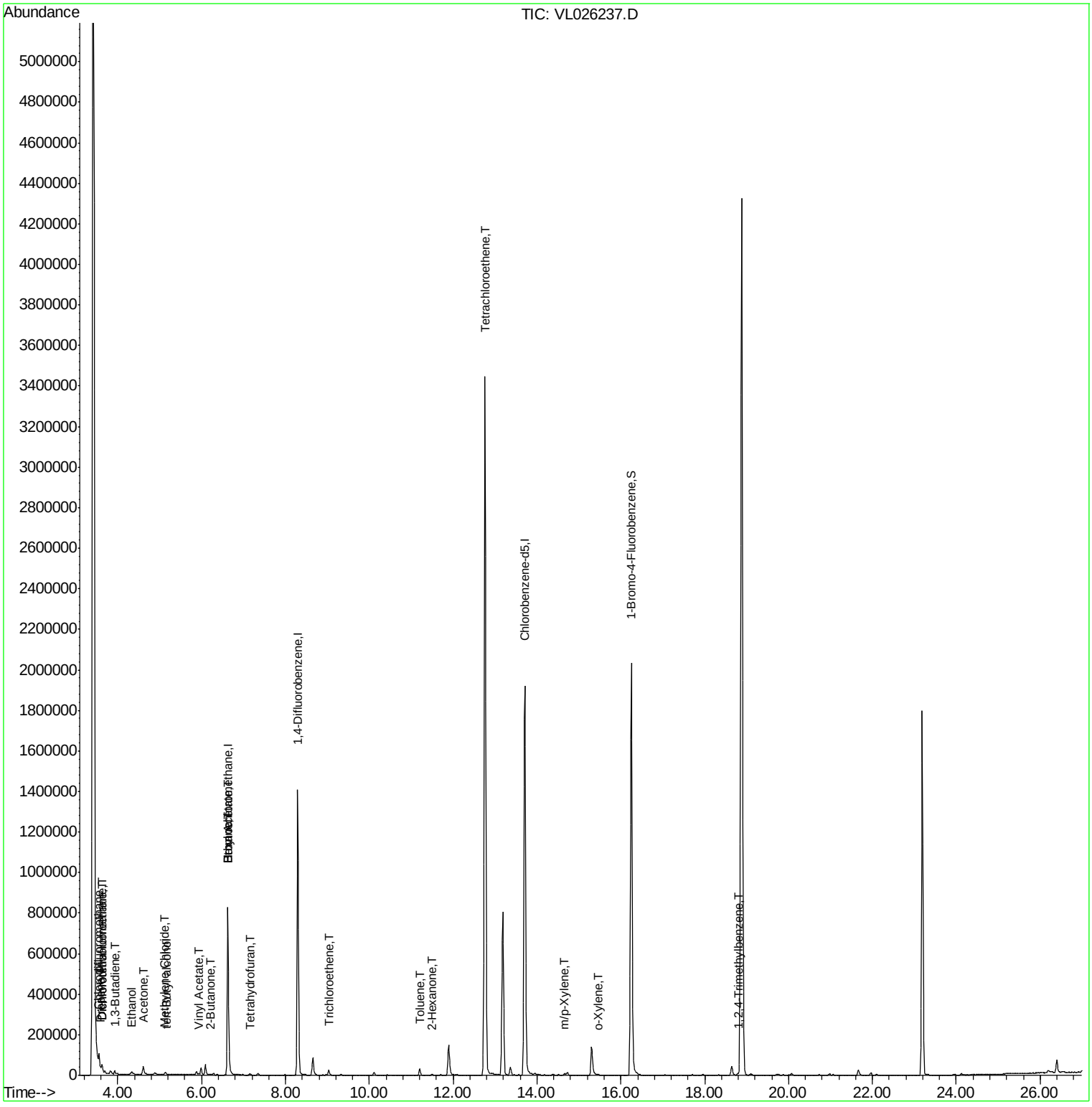
(#) = qualifier out of range (m) = manual integration (+) = signals summed

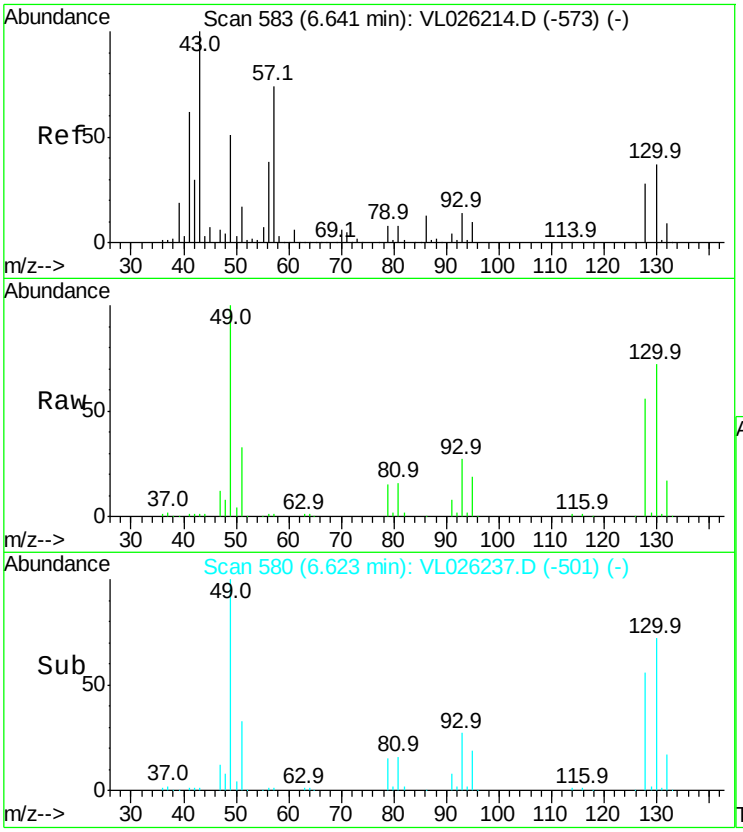
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026237.D
Acq On : 21 Oct 2015 14:35
Operator : SY/MD
Sample : G4112-02DL 100X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Quant Time: Oct 22 08:33:00 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration



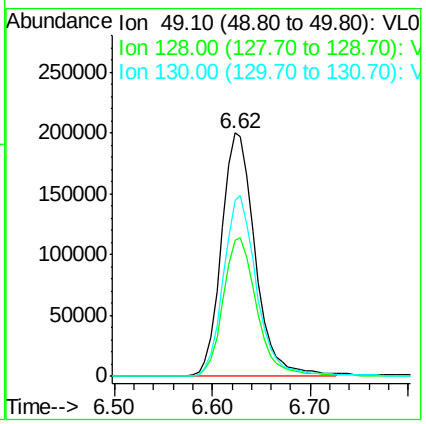


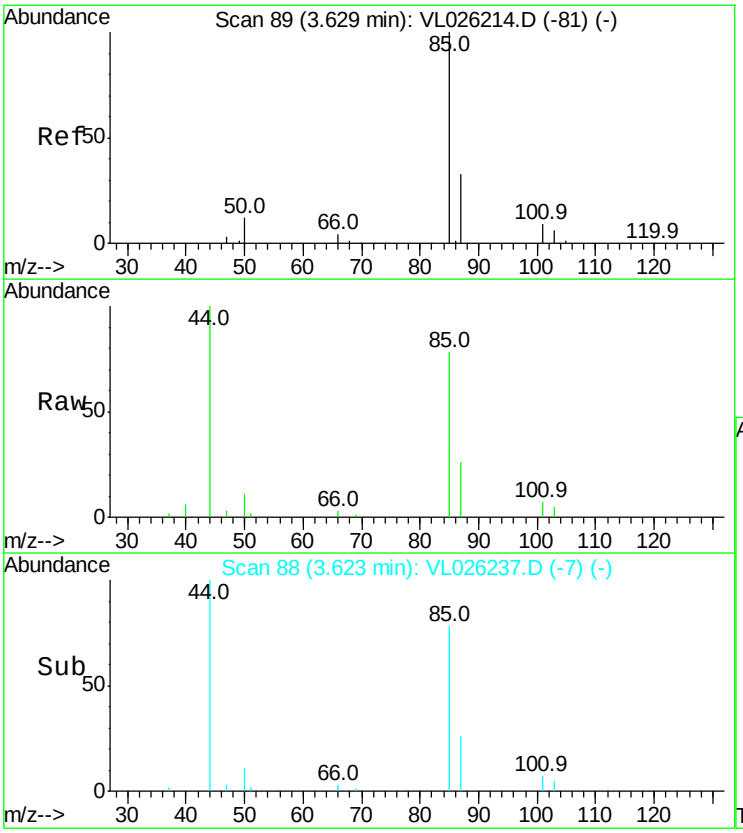
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 49 Resp: 480465

Ion	Ratio	Lower	Upper
49	100		
128	57.6	28.2	84.7
130	74.0	36.0	108.1

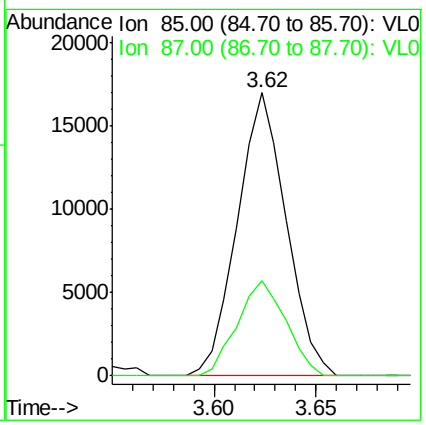


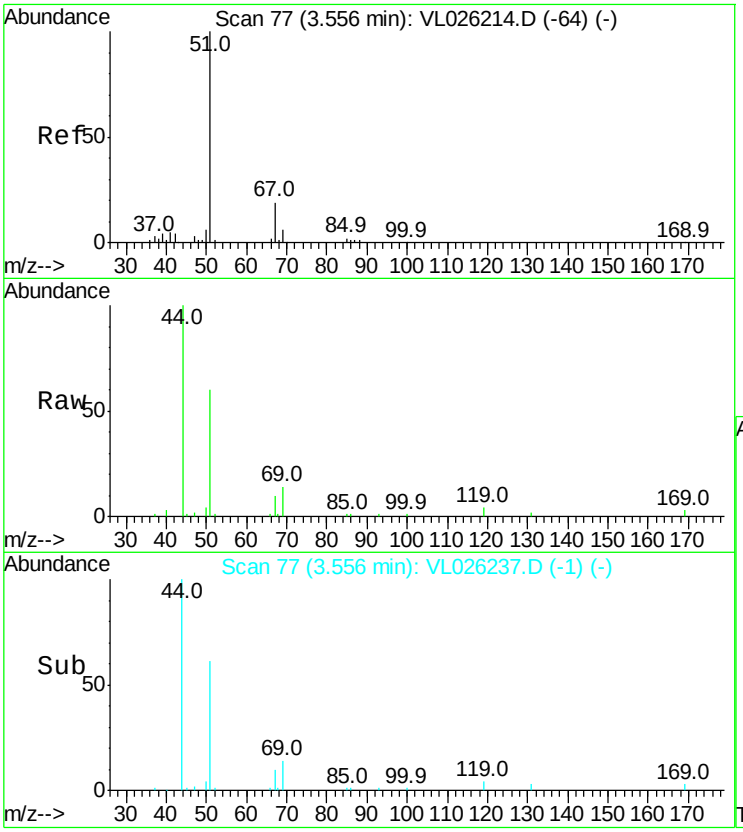


#2
Dichlorodifluoromethane
Concen: 0.28 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 85 Resp: 28280

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.1	39.1



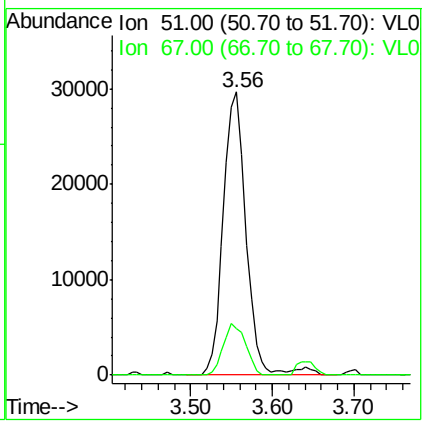


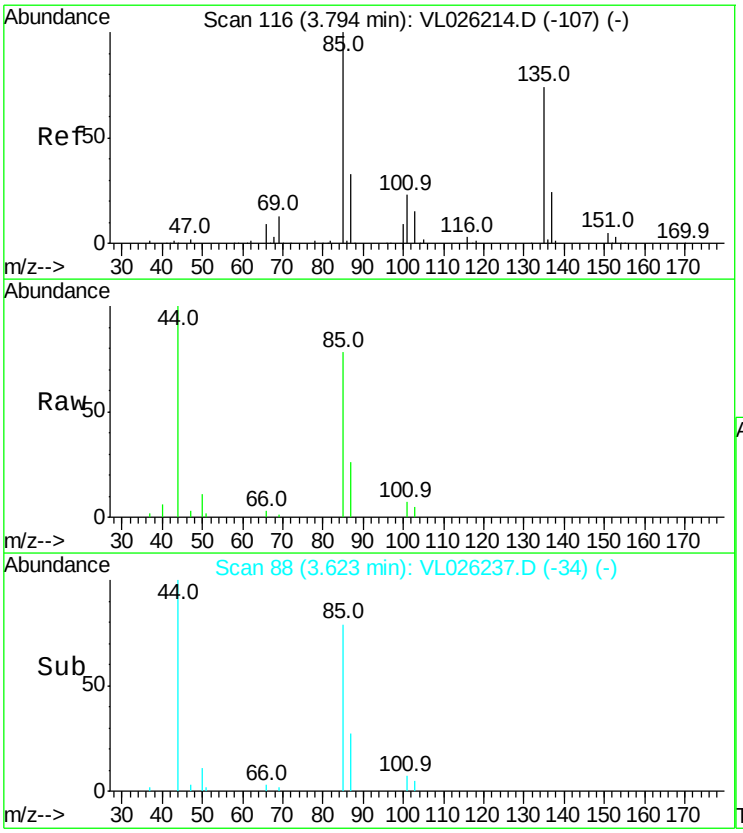
#3
Chlorodifluoromethane
Concen: 0.95 ppbv
RT: 3.56 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 51 Resp: 57495

Ion	Ratio	Lower	Upper
51	100		
67	17.6	15.3	22.9

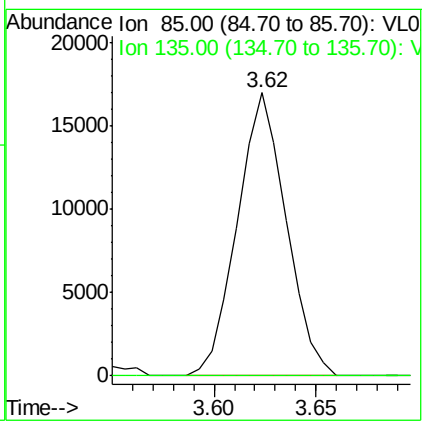


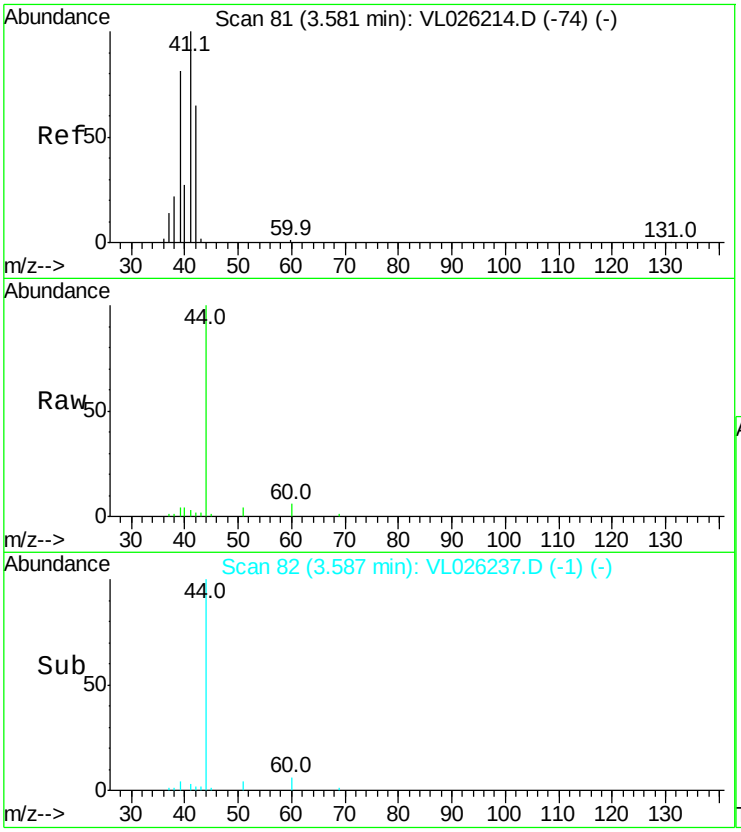


#8
Dichlorotetrafluoroethane
Concen: 0.33 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.17 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 85 Resp: 28280

Ion	Ratio	Lower	Upper
85	100		
135	0.0	57.8	86.8#



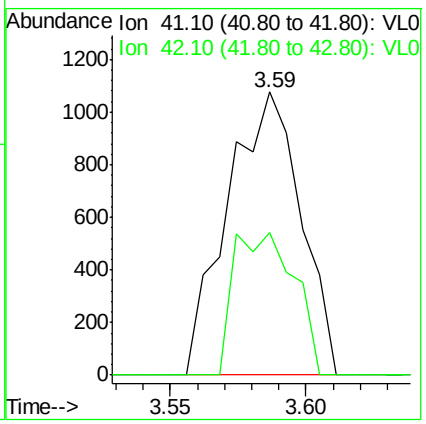


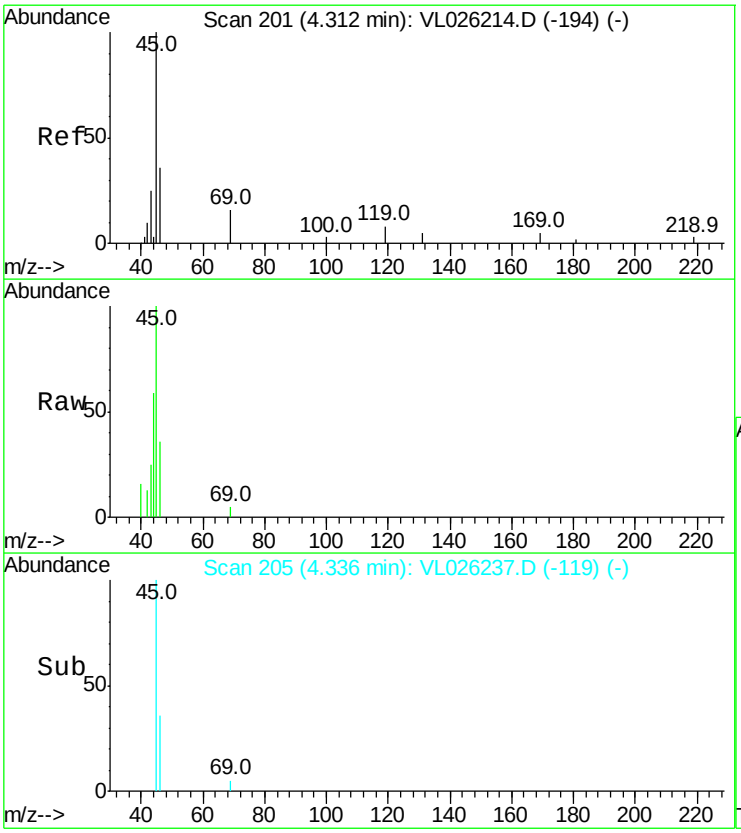
#9
Propene
Concen: 0.07 ppbv
RT: 3.59 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 41 Resp: 2010

Ion	Ratio	Lower	Upper
41	100		
42	41.6	53.8	80.8#

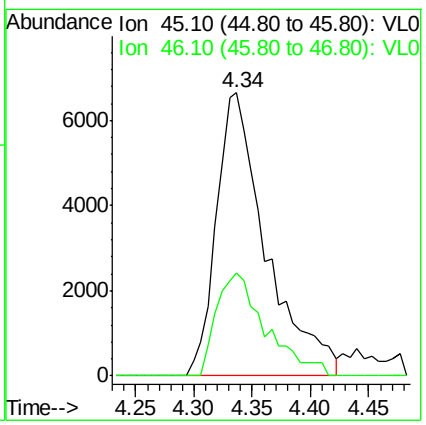


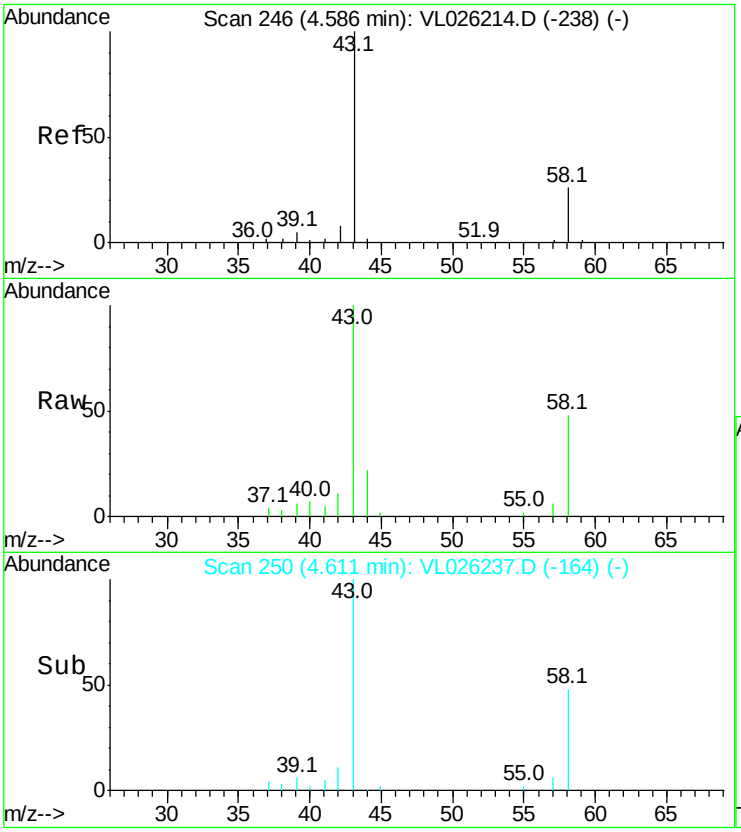


#13
Ethanol
Concen: 4.62 ppbv
RT: 4.34 min Scan# 205
Delta R.T. 0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 45 Resp: 19755

Ion	Ratio	Lower	Upper
45	100		
46	36.0	15.8	63.0



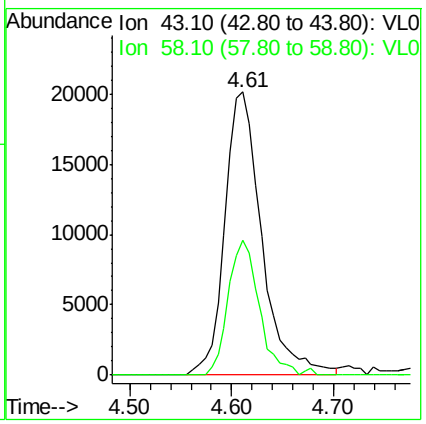


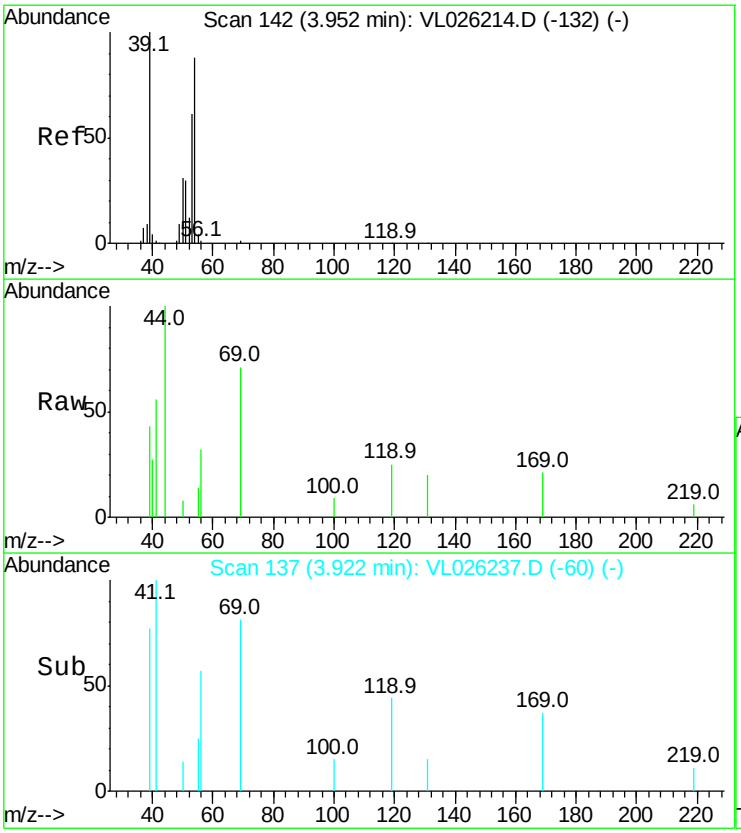
#15
Acetone
Concen: 0.72 ppbv
RT: 4.61 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 43 Resp: 50588

Ion	Ratio	Lower	Upper
43	100		
58	40.2	21.8	32.6#

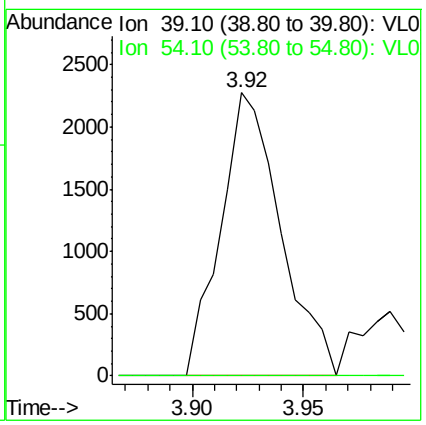


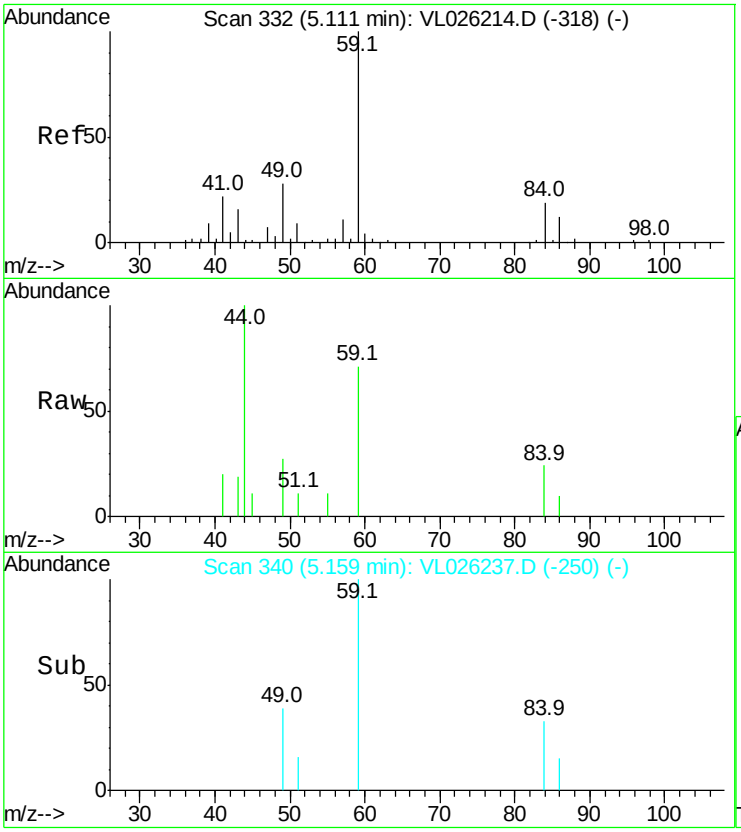


#16
1,3-Butadiene
Concen: 0.14 ppbv
RT: 3.92 min Scan# 137
Delta R.T. -0.03 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 39 Resp: 4272

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.3	100.9#



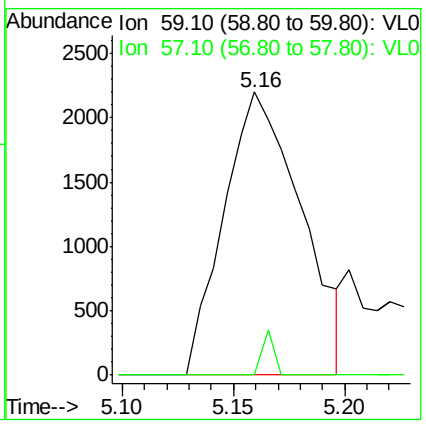


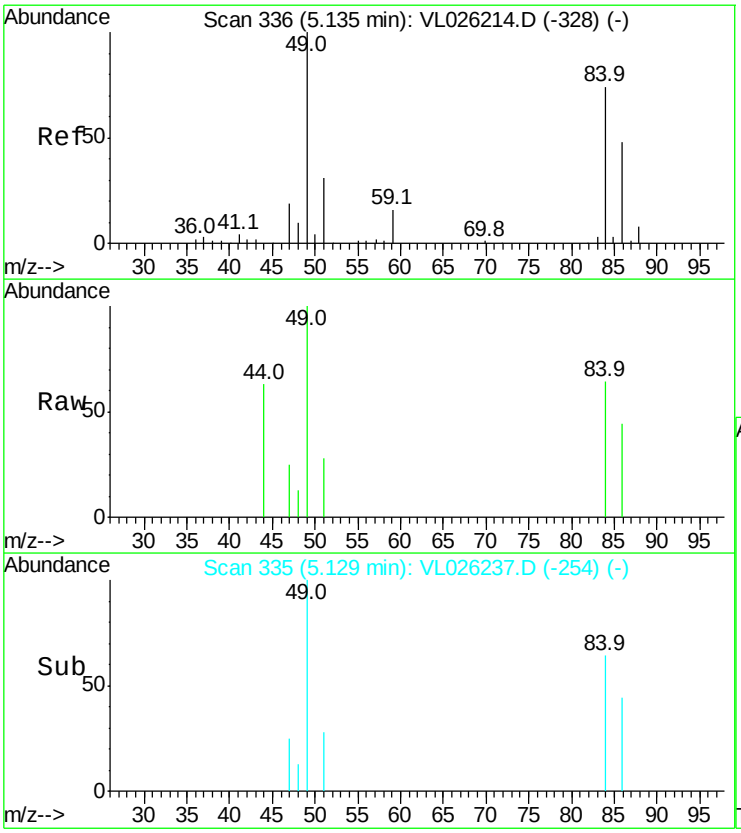
#17
tert-Butyl alcohol
Concen: 0.11 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.05 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 59 Resp: 5318

Ion	Ratio	Lower	Upper
59	100		
57	2.4	8.5	12.7#

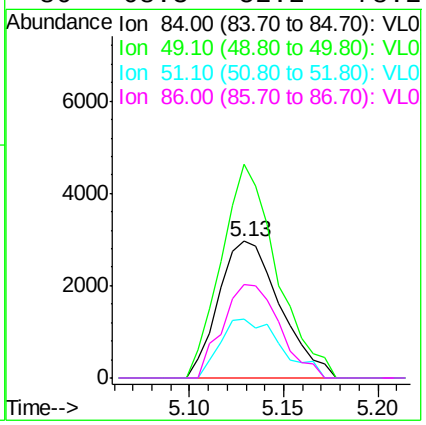


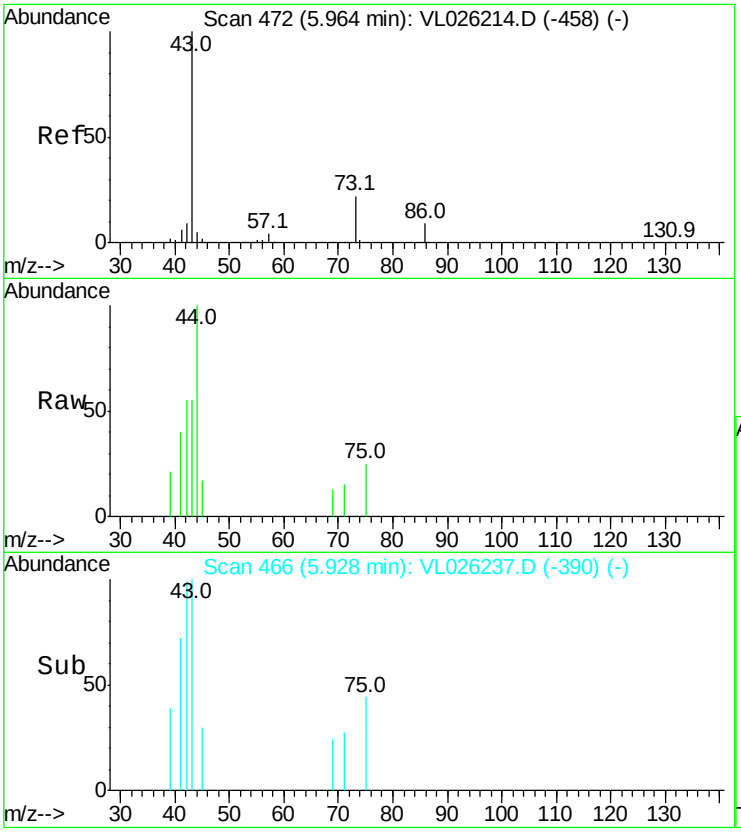


#20
Methylene Chloride
Concen: 0.24 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 84 Resp: 6734

Ion	Ratio	Lower	Upper
84	100		
49	156.5	108.7	163.1
51	43.4	33.7	50.5
86	68.3	52.2	78.2



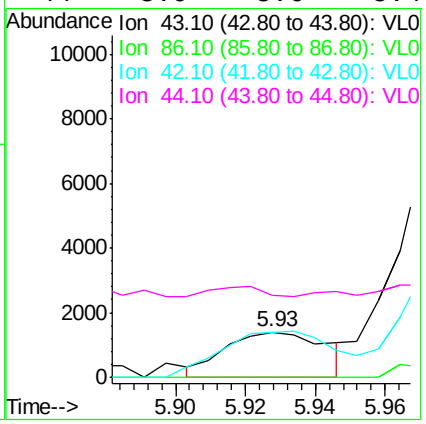


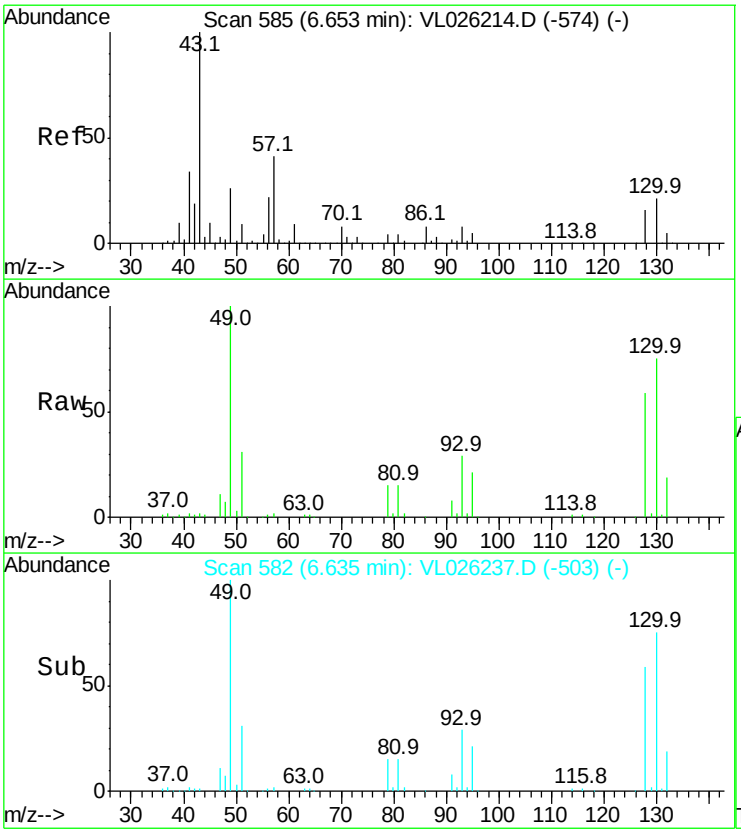
#23
Vinyl Acetate
Concen: 0.02 ppbv
RT: 5.93 min Scan# 466
Delta R.T. -0.04 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 43 Resp: 2776

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.6#
42	100.4	7.5	11.3#
44	3.9	3.6	5.4

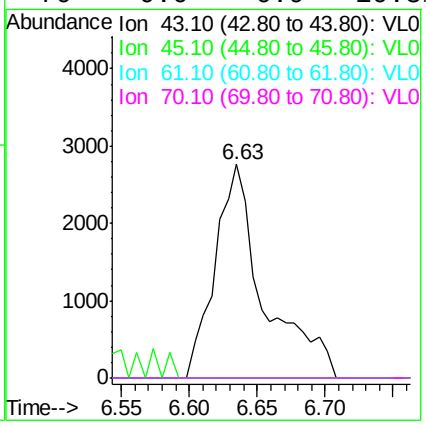


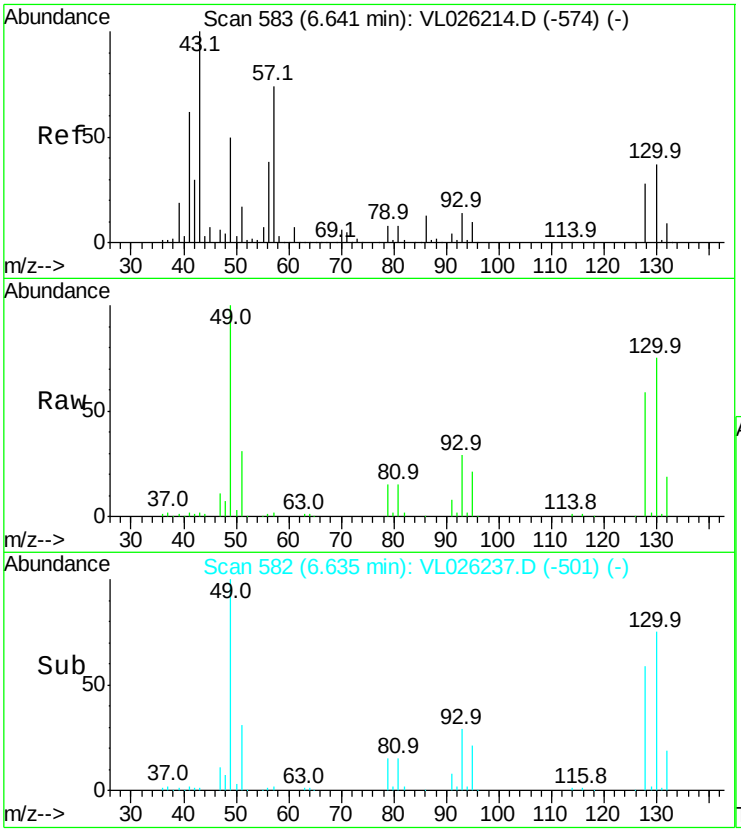


#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 43 Resp: 6887

Ion	Ratio	Lower	Upper
43	100		
45	9.1	7.7	11.5
61	0.0	7.5	11.3#
70	0.0	6.9	10.3#



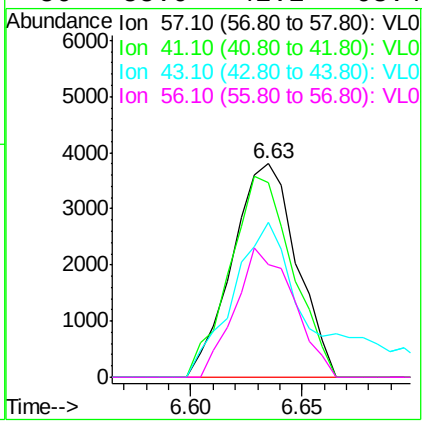


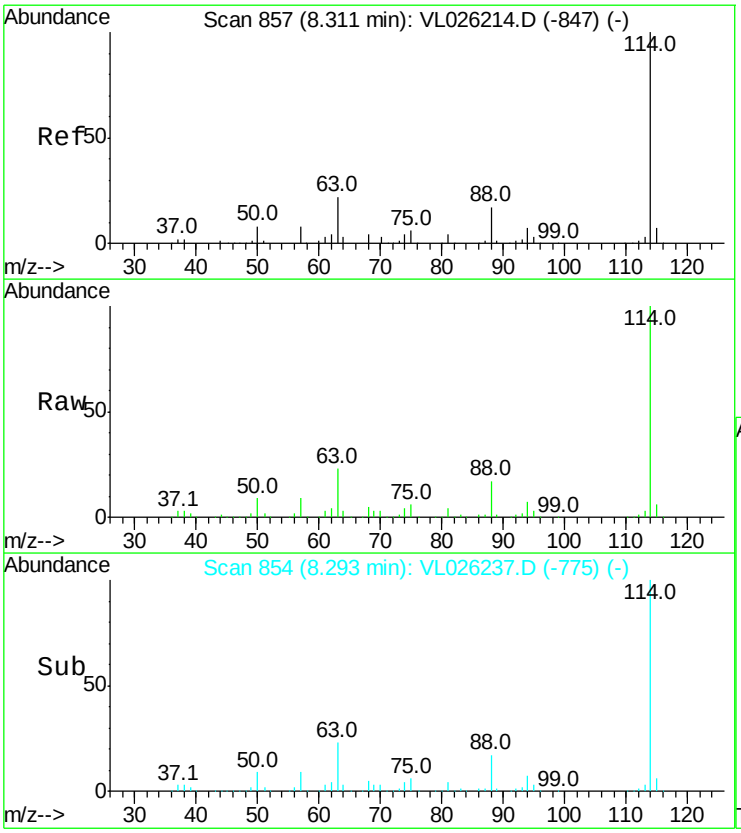
#26
Hexane
Concen: 0.12 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239DL

Tgt Ion: 57 Resp: 7655

Ion	Ratio	Lower	Upper
57	100		
41	91.4	68.1	102.1
43	90.0	163.4	245.2#
56	55.0	42.2	63.4

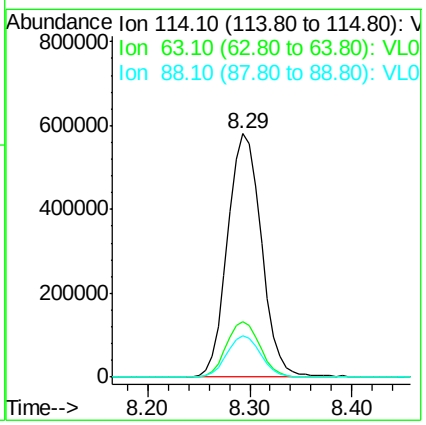


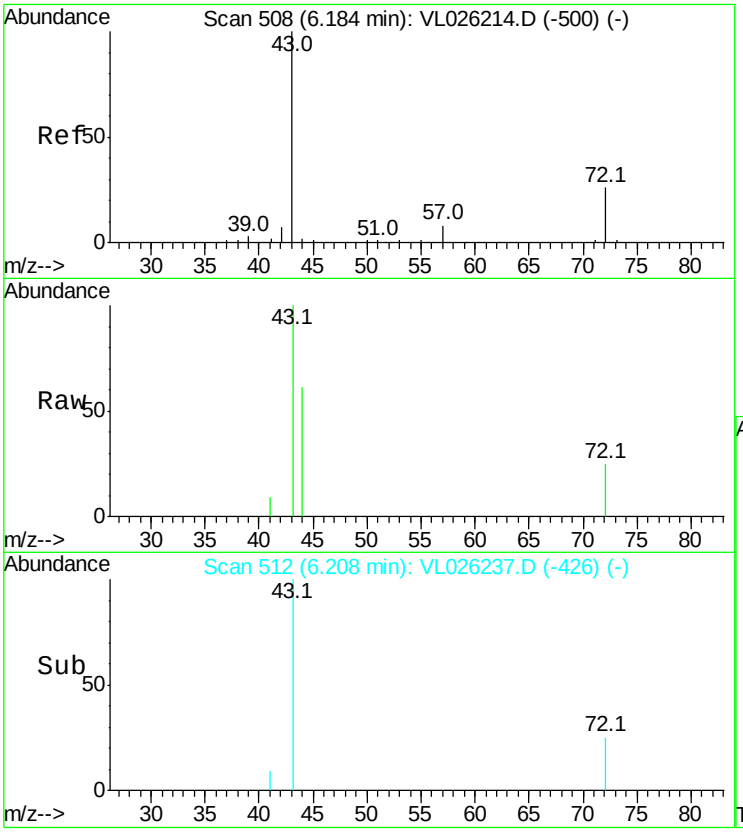


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion:114 Resp: 1339649

Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.2	27.4
88	16.8	13.5	20.3



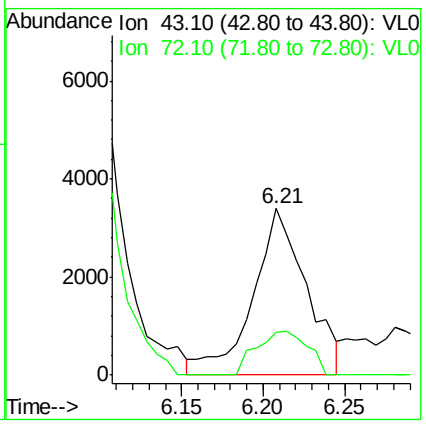


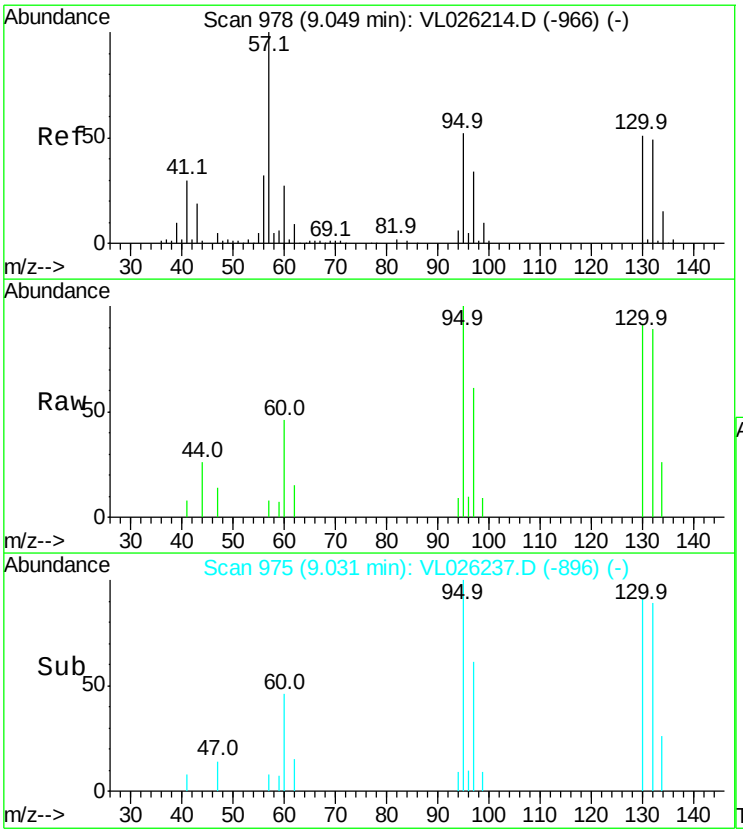
#34
2-Butanone
Concen: 0.10 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument : MSVOA_L
ClientSampleId : RB-SUBSLAB-239DL

Tgt Ion: 43 Resp: 7682

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.1	30.1

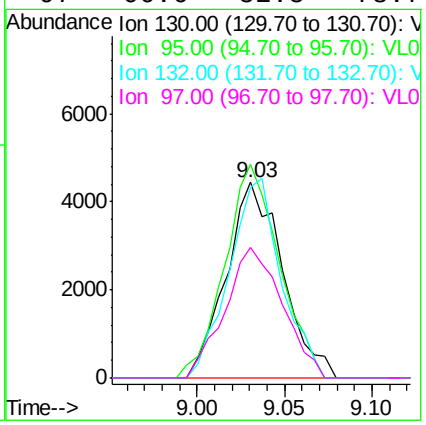


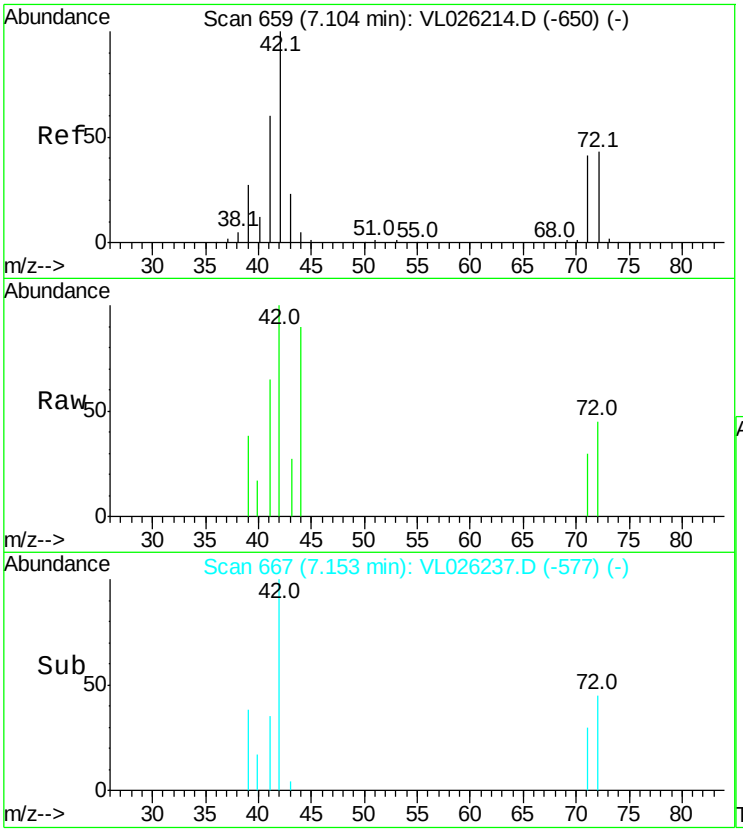


#38
Trichloroethene
Concen: 0.15 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion:130 Resp: 9961

Ion	Ratio	Lower	Upper
130	100		
95	109.4	81.0	121.4
132	97.4	76.5	114.7
97	66.6	52.5	78.7



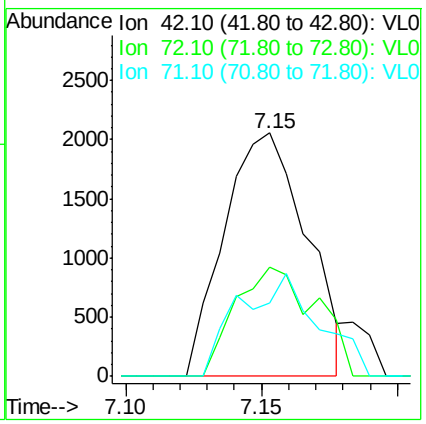


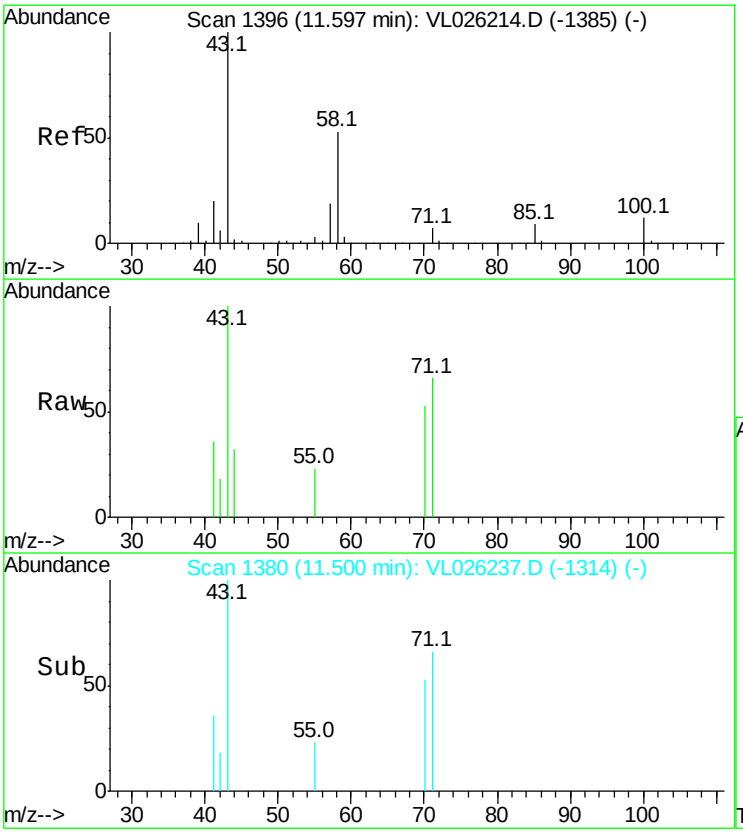
#41
Tetrahydrofuran
Concen: 0.10 ppbv
RT: 7.15 min Scan# 667
Delta R.T. 0.05 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 42 Resp: 4311

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.3	51.5
71	40.4	32.1	48.1

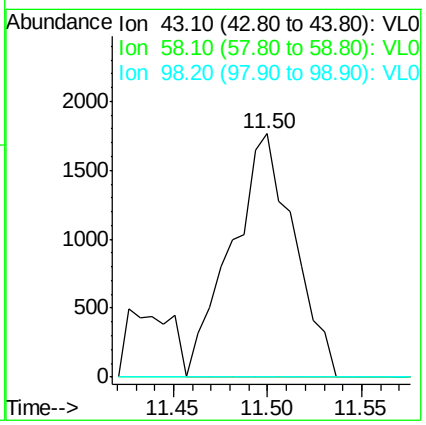


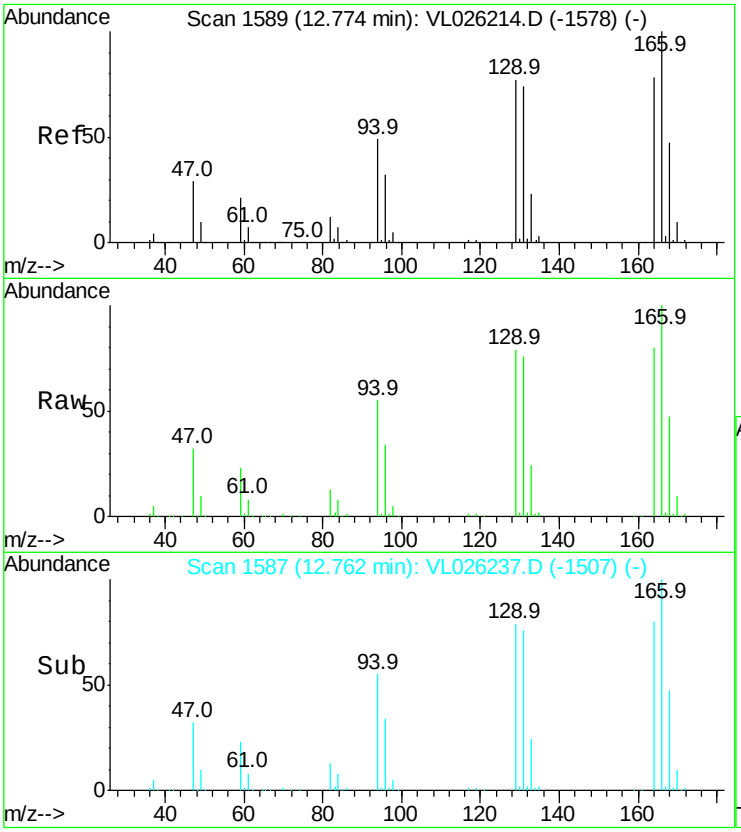


#51
2-Hexanone
Concen: 0.04 ppbv
RT: 11.50 min Scan# 1380
Delta R.T. -0.10 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 43 Resp: 4051

Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.2	64.8#
98	0.0	0.0	0.0



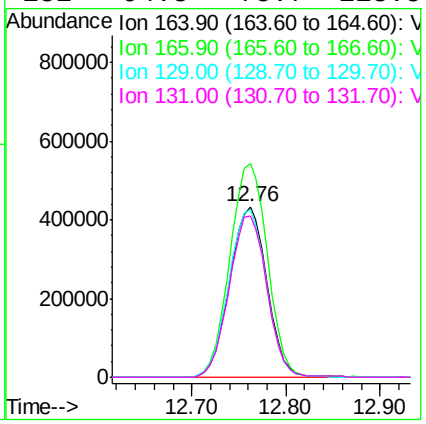


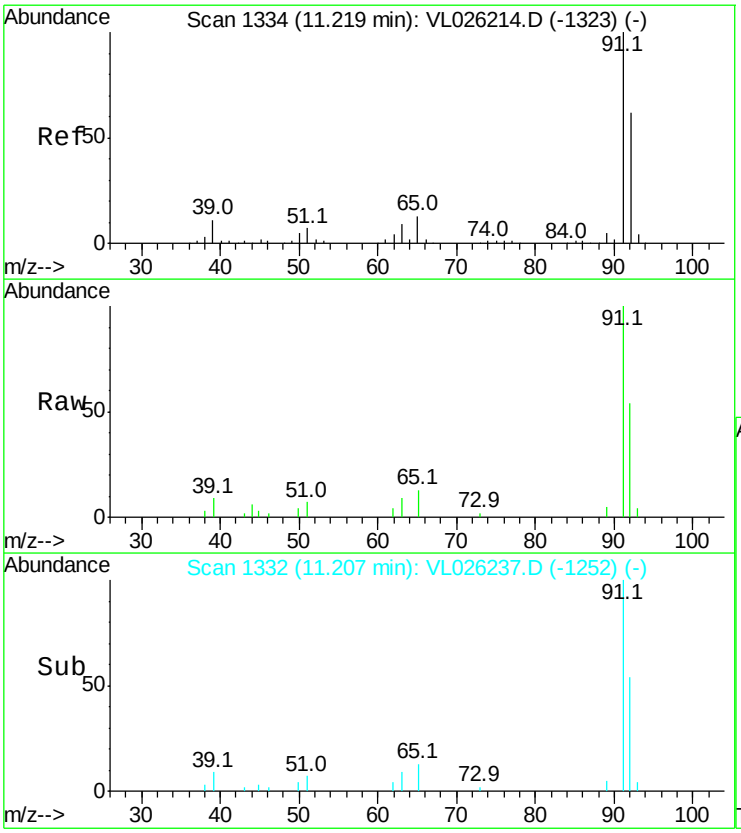
#52
Tetrachloroethene
Concen: 15.29 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion:164 Resp: 1196519

Ion	Ratio	Lower	Upper
164	100		
166	125.1	102.3	153.5
129	98.5	78.2	117.4
131	94.8	75.7	113.5

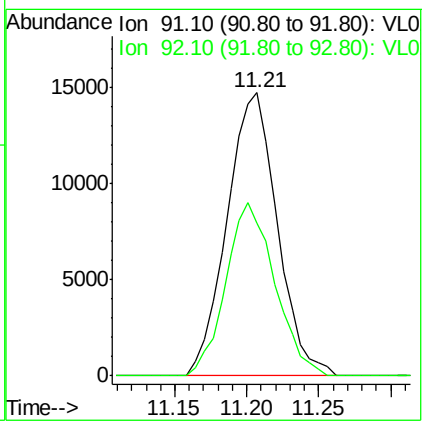


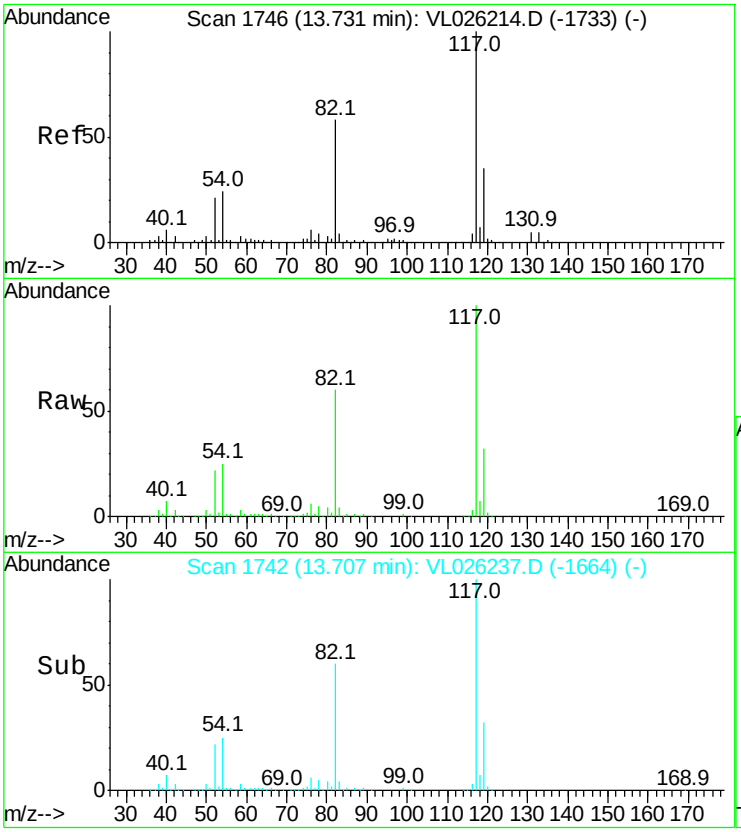


#53
Toluene
Concen: 0.19 ppbv
RT: 11.21 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 91 Resp: 35699

Ion	Ratio	Lower	Upper
91	100		
92	59.6	49.2	73.8



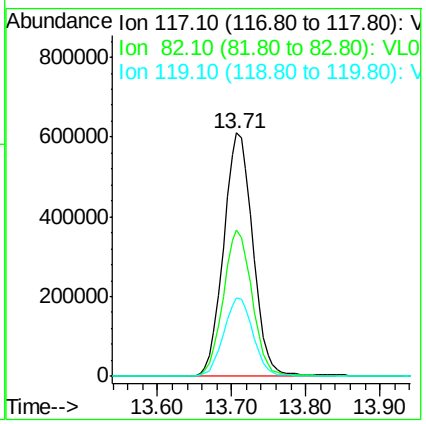


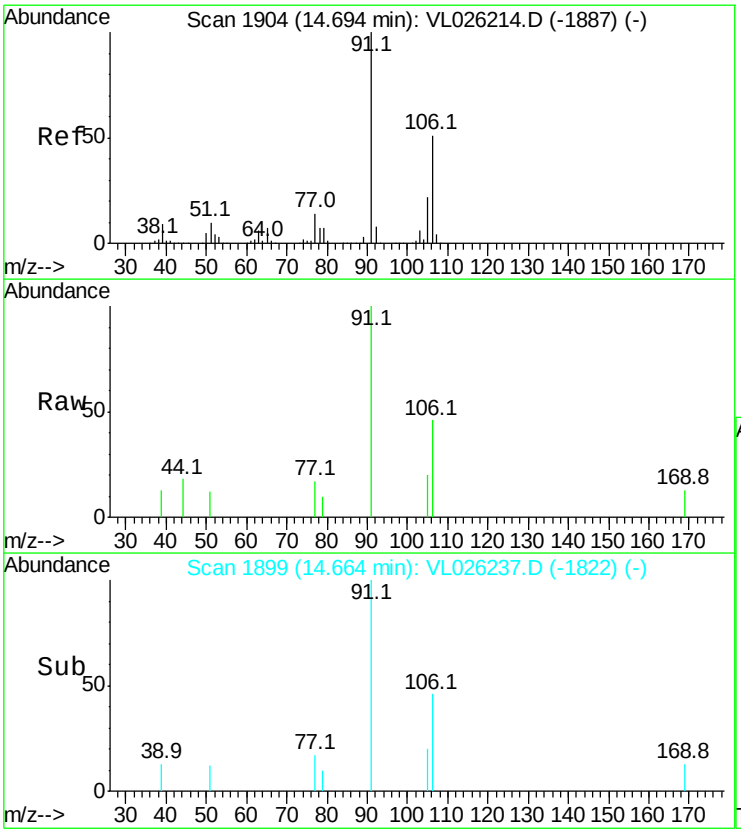
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1742
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion:117 Resp: 1683037

Ion	Ratio	Lower	Upper
117	100		
82	60.0	45.8	68.8
119	32.3	45.0	67.4#

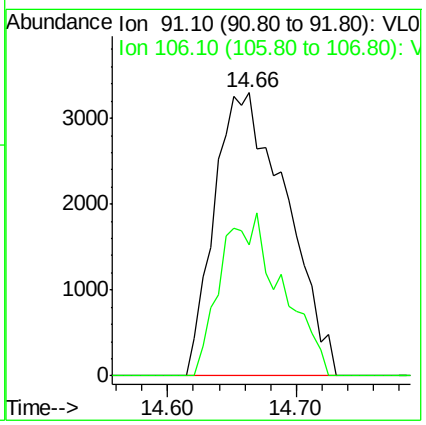


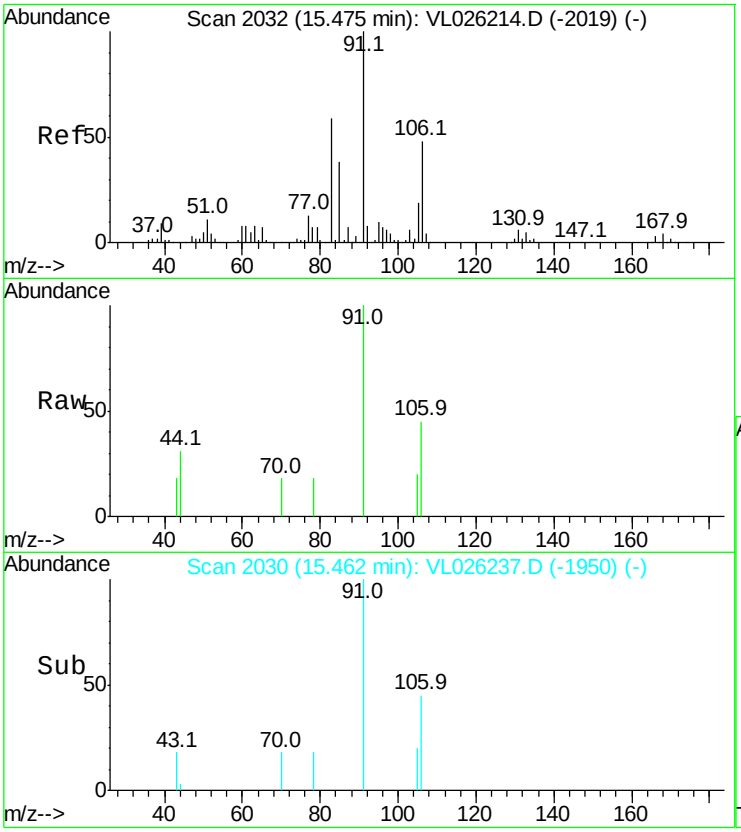


#59
m/p-Xylene
Concen: 0.06 ppbv
RT: 14.66 min Scan# 1899
Delta R.T. -0.03 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 91 Resp: 12820

Ion	Ratio	Lower	Upper
91	100		
106	48.6	40.6	61.0



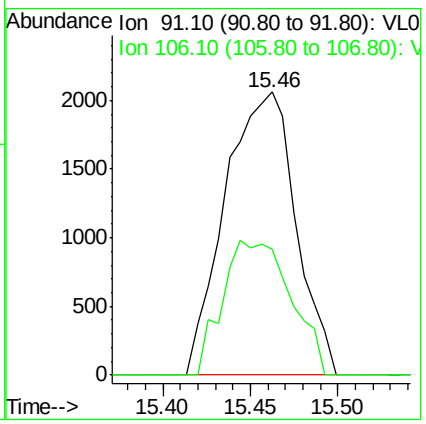


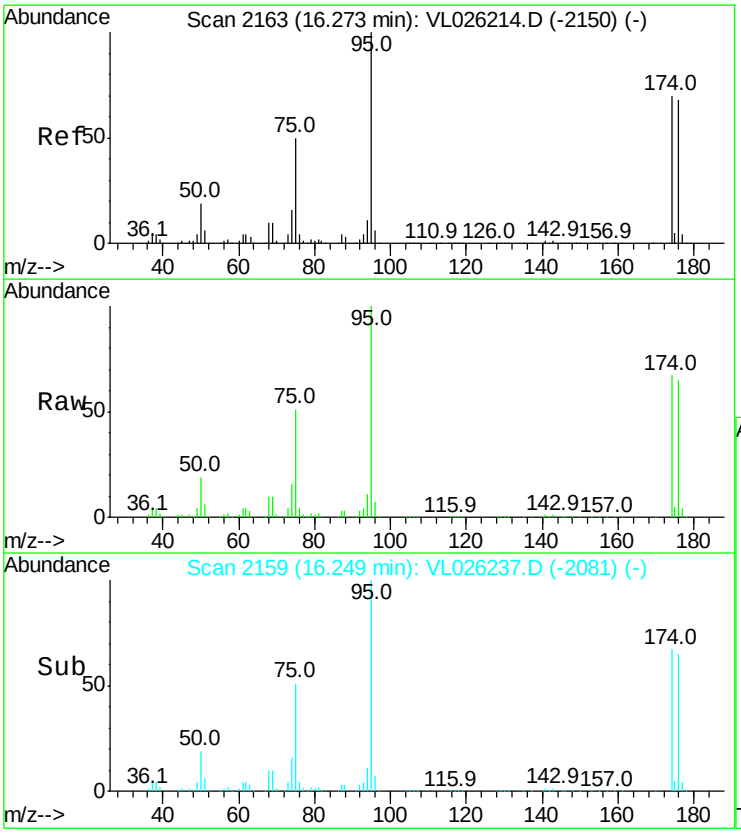
#60
o-Xylene
Concen: 0.03 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion: 91 Resp: 5798

Ion	Ratio	Lower	Upper
91	100		
106	46.0	23.8	71.5

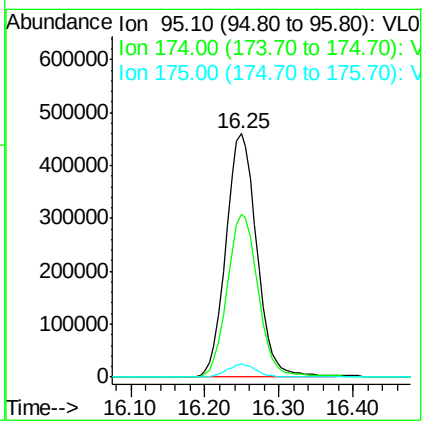


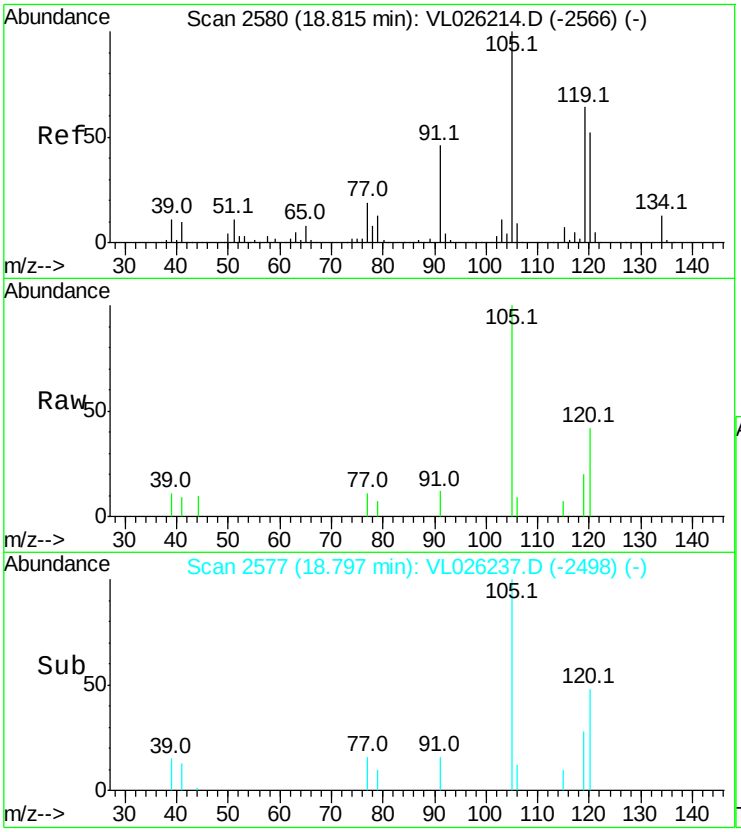


#68
1-Bromo-4-Fluorobenzene
Concen: 10.32 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 95 Resp: 1339851

Ion	Ratio	Lower	Upper
95	100		
174	67.7	55.8	83.8
175	5.0	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.05 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tgt Ion:105 Resp: 13513

Ion	Ratio	Lower	Upper
105	100		
120	41.8	41.2	61.8
91	11.9	37.2	55.8#
77	11.3	15.6	23.4#