Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026654.D
Acq On : 8 Jan 2016 23:36
Operator : SY/AP
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jan 12 01:59:31 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	6.62	49	743582	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.29	114	2344981	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.71	117	3117158	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2539702	10.22	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%			
Target Compounds						Qvalue
13) Ethanol	4.31	45	1474	0.22	ppbv #	34
15) Acetone	4.59	43	42623	0.35	ppbv #	17
17) tert-Butyl alcohol	5.11	59	10874	0.12	ppbv	97
19) Isopropyl Alcohol	4.74	45	8289	0.16	ppbv #	1
20) Methylene Chloride	5.12	84	2609	0.05	ppbv #	86
23) Vinyl Acetate	5.96	43	5987	0.03	ppbv #	79
30) Cyclohexane	8.27	84	3686	0.04	ppbv #	1
34) 2-Butanone	6.18	43	10943	0.09	ppbv	93
40) 1,4-Dioxane	9.16	88	897	0.05	ppbv #	1
52) Tetrachloroethene	13.19	164	6783	0.06	ppbv #	25
78) Hexachloro-1,3-Butadiene	24.64	225	14657	0.10	ppbv	92
79) Naphthalene	23.91	128	13216	0.04	ppbv #	94
80) Naphthalene,2-methyl-	26.02	142	7890	0.13	ppbv #	67
81) 1,2,4-Trichlorobenzene	23.71	180	13252	0.08	ppbv	98

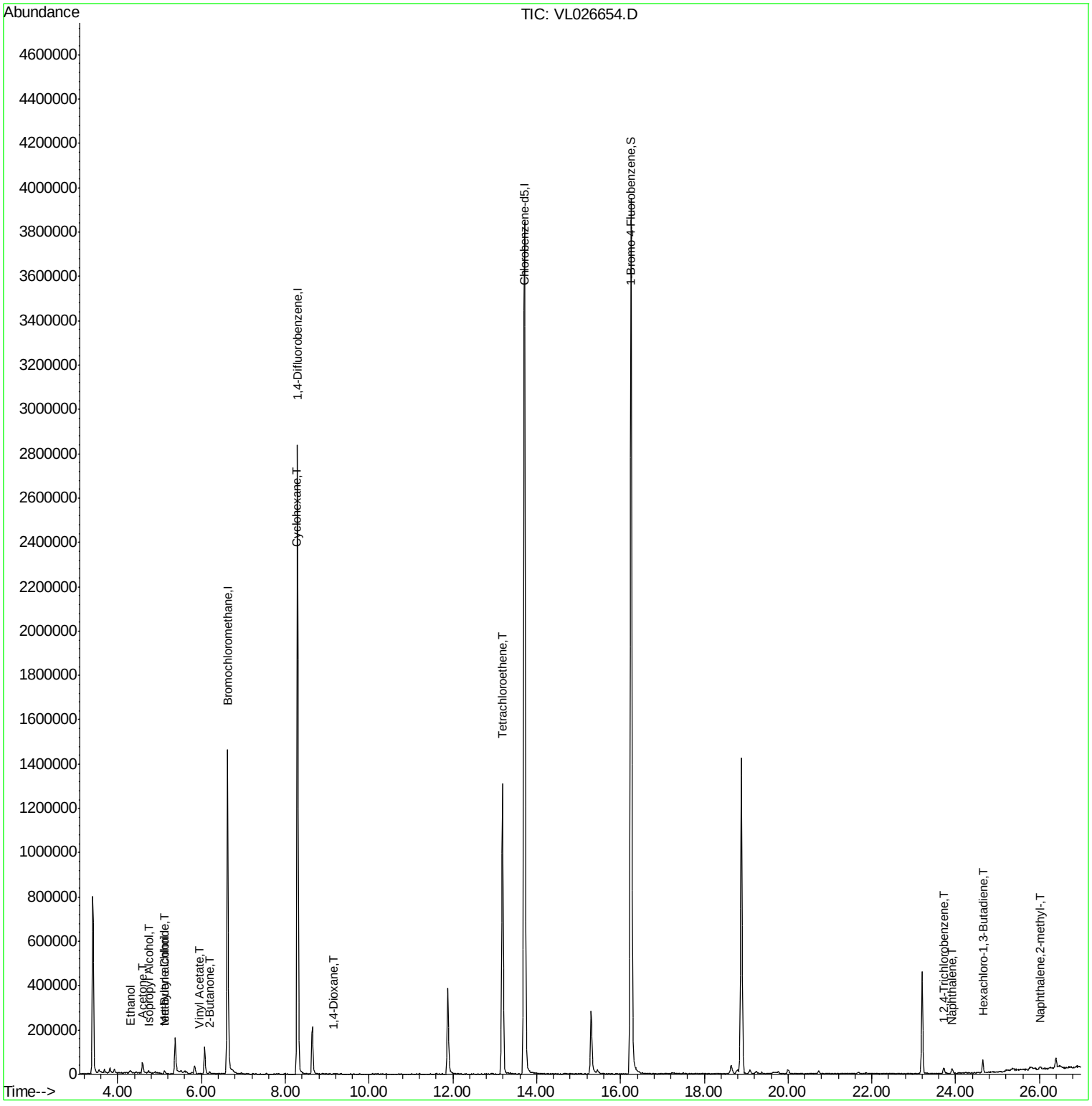
(#) = qualifier out of range (m) = manual integration (+) = signals summed

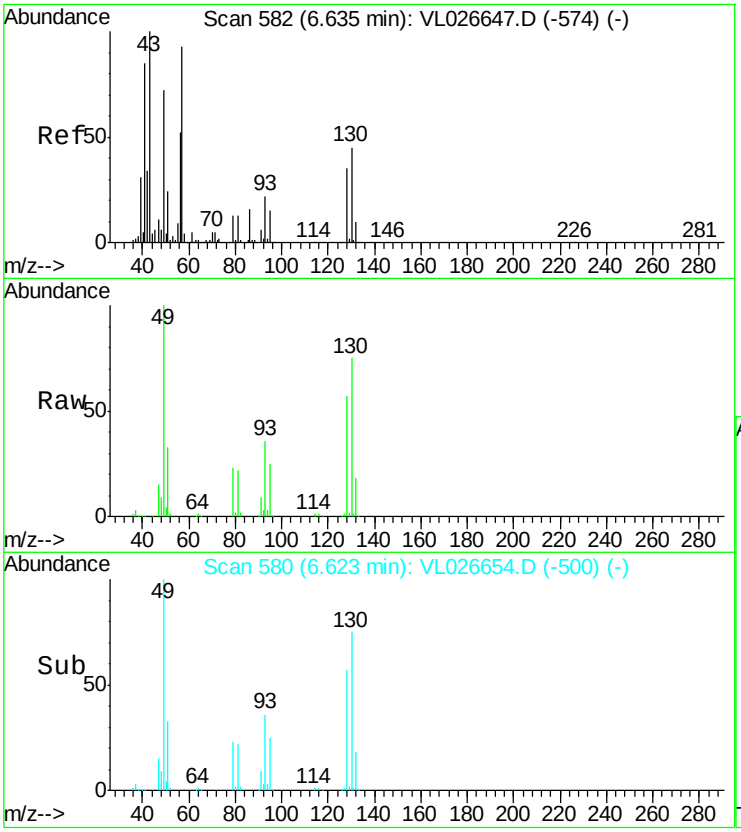
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026654.D
Acq On : 8 Jan 2016 23:36
Operator : SY/AP
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 12 01:59:31 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



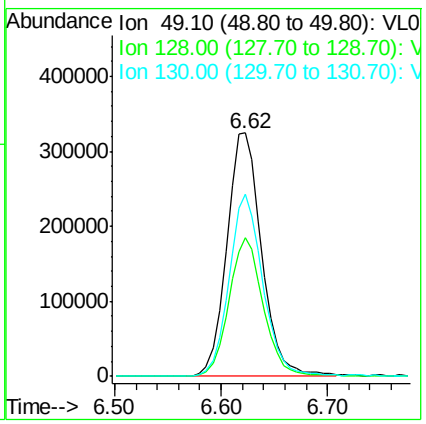


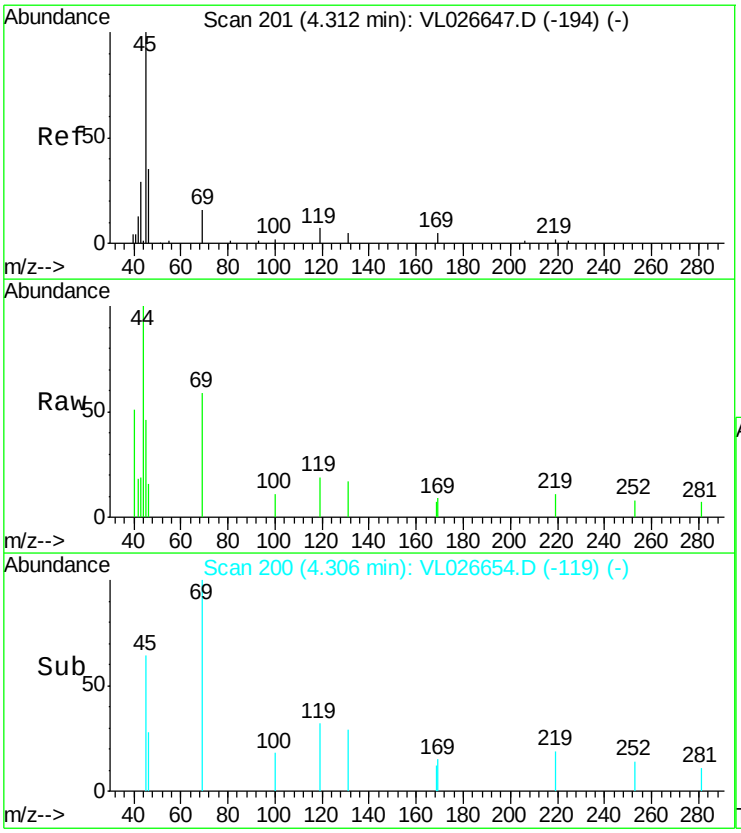
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 743582

Ion	Ratio	Lower	Upper
49	100		
128	56.7	25.9	77.7
130	73.9	33.6	100.8

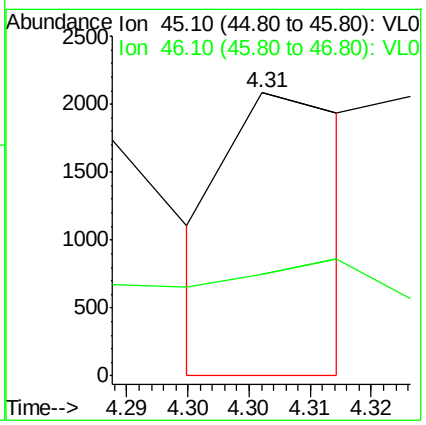


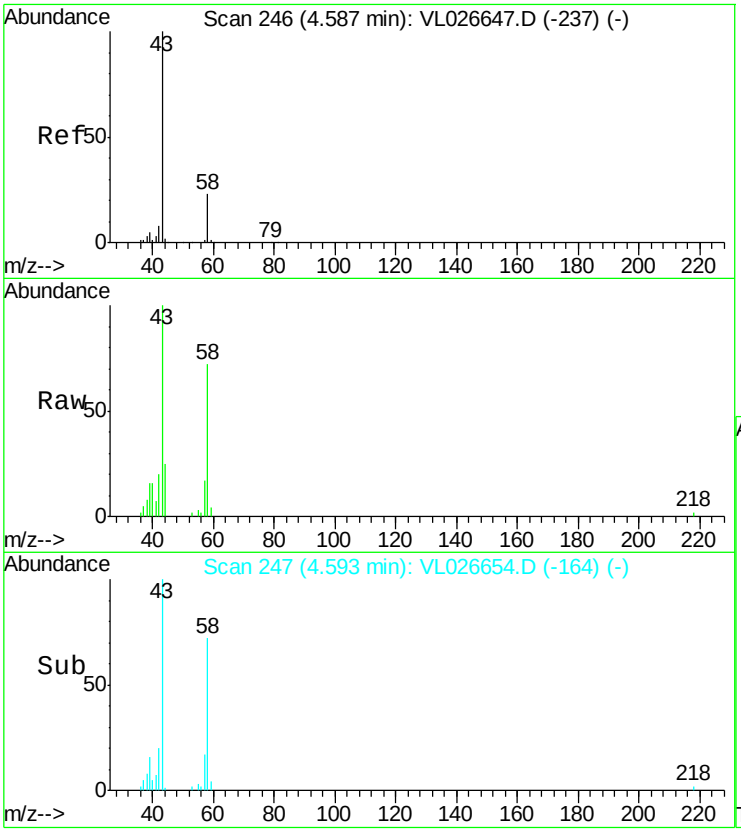


#13
Ethanol
Concen: 0.22 ppbv
RT: 4.31 min Scan# 200
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion: 45 Resp: 1474

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.7	66.7#



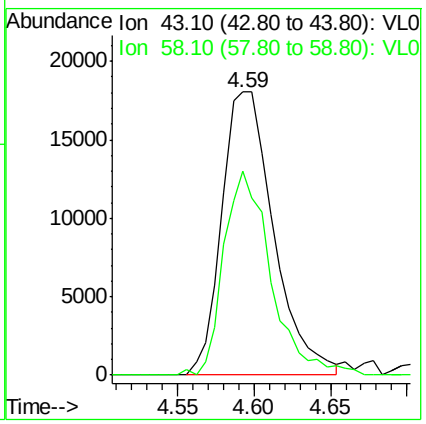


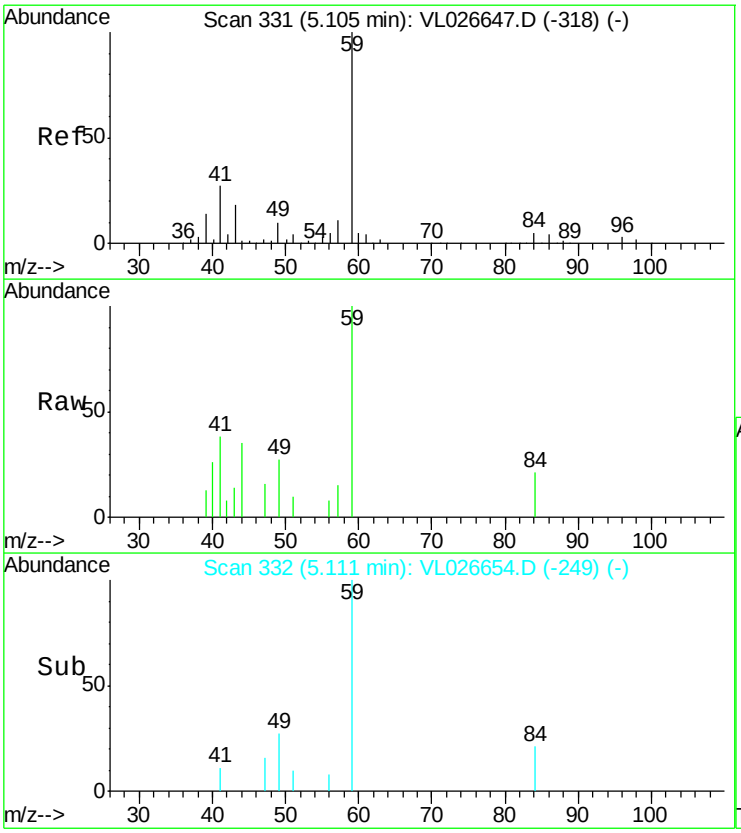
#15
Acetone
Concen: 0.35 ppbv
RT: 4.59 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 42623

Ion	Ratio	Lower	Upper
43	100		
58	65.1	19.2	28.8#

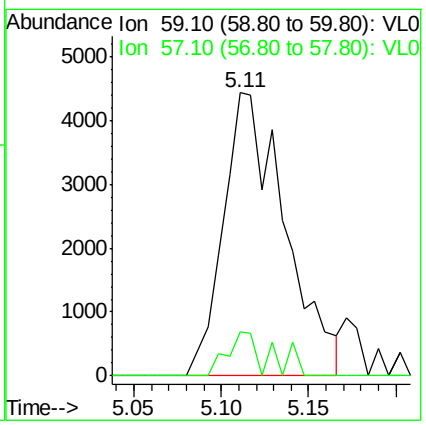


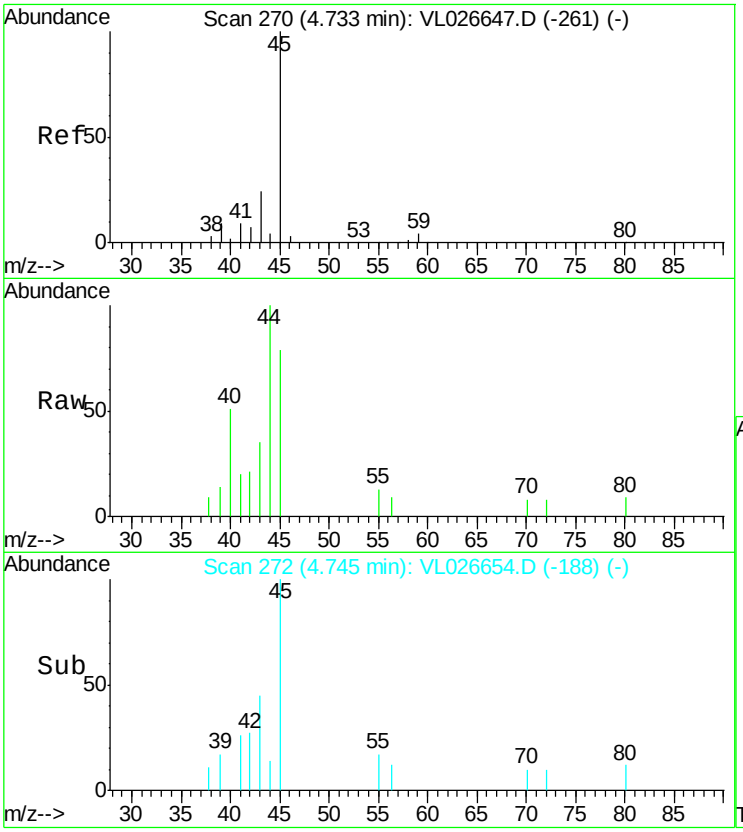


#17
tert-Butyl alcohol
Concen: 0.12 ppbv
RT: 5.11 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion: 59 Resp: 10874

Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.0	13.6



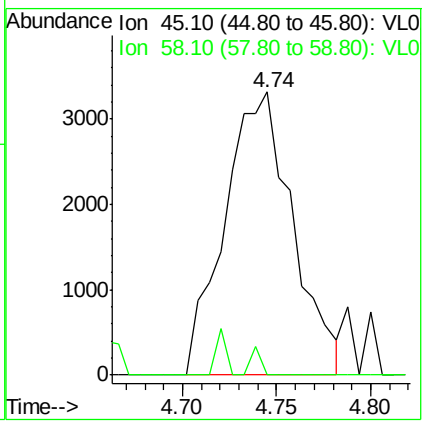


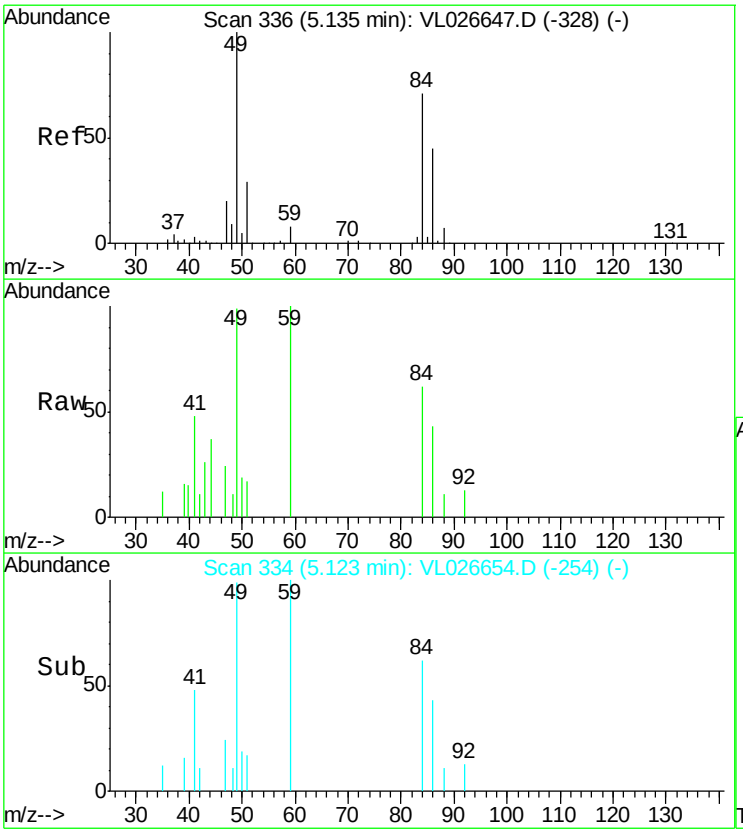
#19
Isopropyl Alcohol
Concen: 0.16 ppbv
RT: 4.74 min Scan# 272
Delta R.T. 0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 8289

Ion	Ratio	Lower	Upper
45	100		
58	334.6	1.3	1.9#

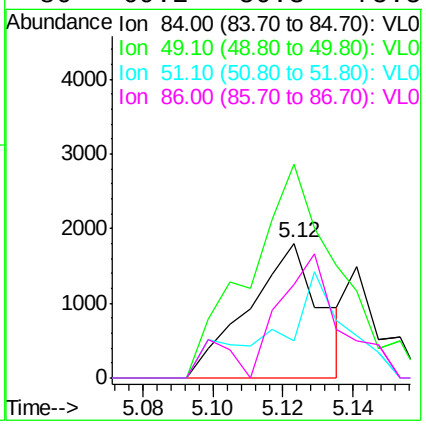


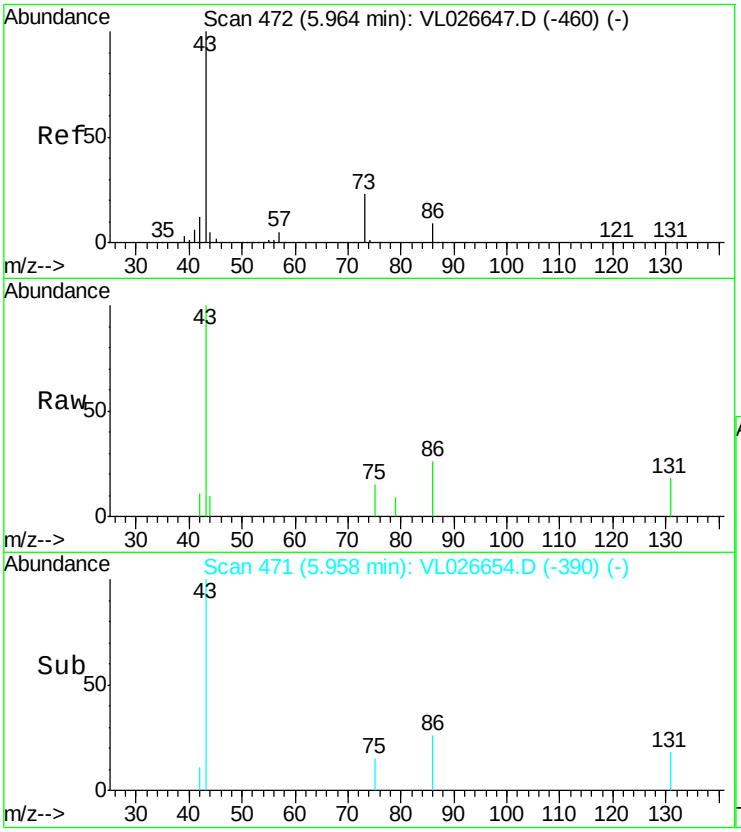


#20
Methylene Chloride
Concen: 0.05 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion: 84 Resp: 2609

Ion	Ratio	Lower	Upper
84	100		
49	158.5	112.3	168.5
51	27.6	32.5	48.7#
86	69.2	50.3	75.5



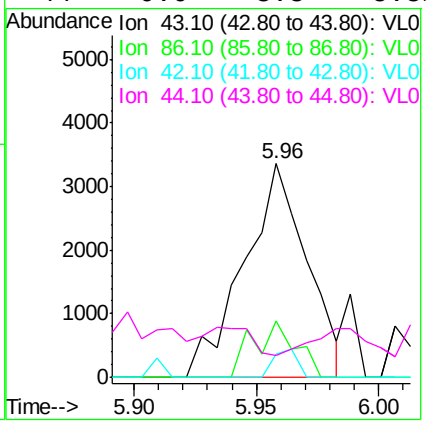


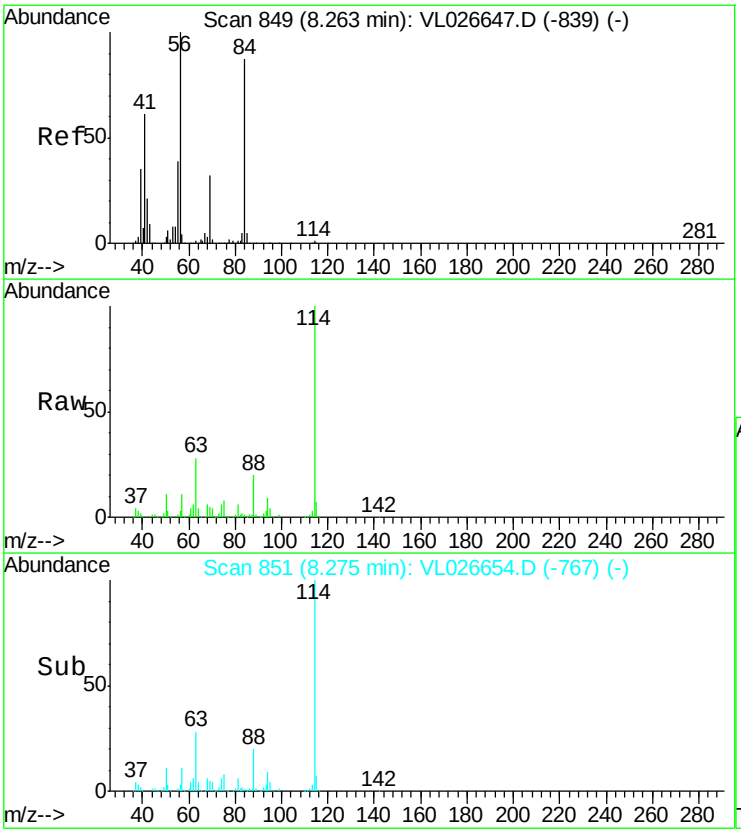
#23
Vinyl Acetate
Concen: 0.03 ppbv
RT: 5.96 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 5987

Ion	Ratio	Lower	Upper
43	100		
86	26.2	7.4	11.0#
42	10.6	9.2	13.8
44	0.0	3.8	5.8#

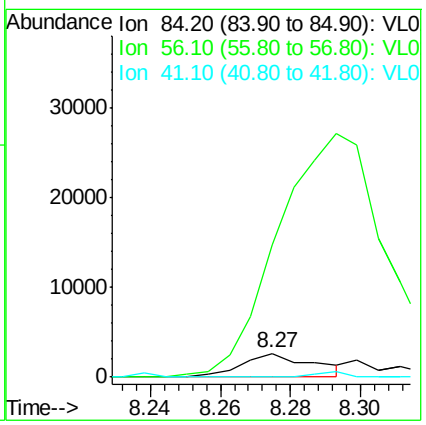


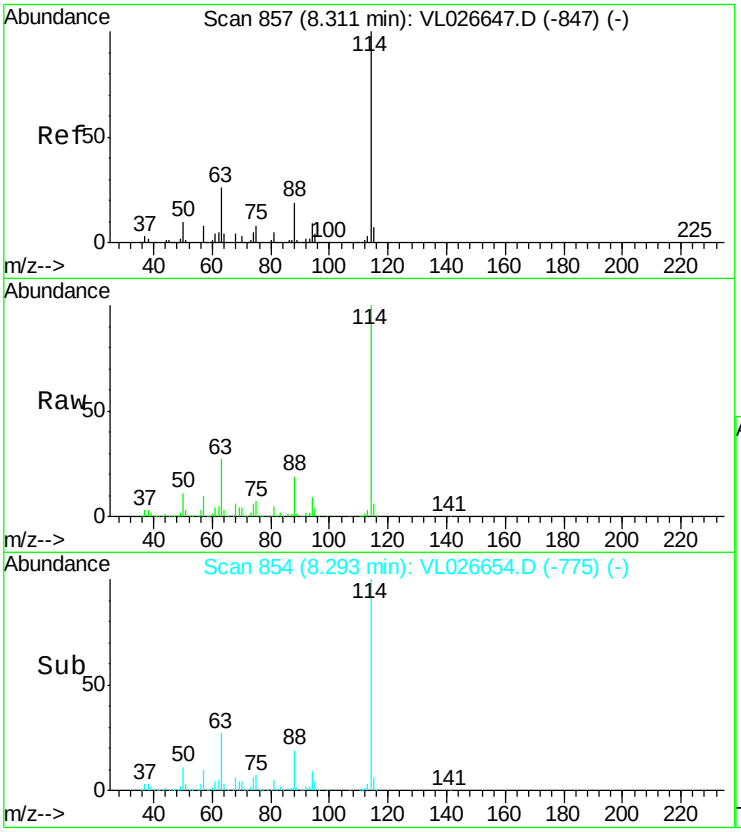


#30
Cyclohexane
Concen: 0.04 ppbv
RT: 8.27 min Scan# 851
Delta R.T. 0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion: 84 Resp: 3686

Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	0.0	54.8	82.2#



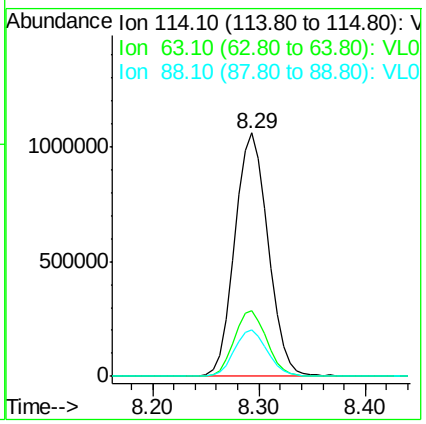


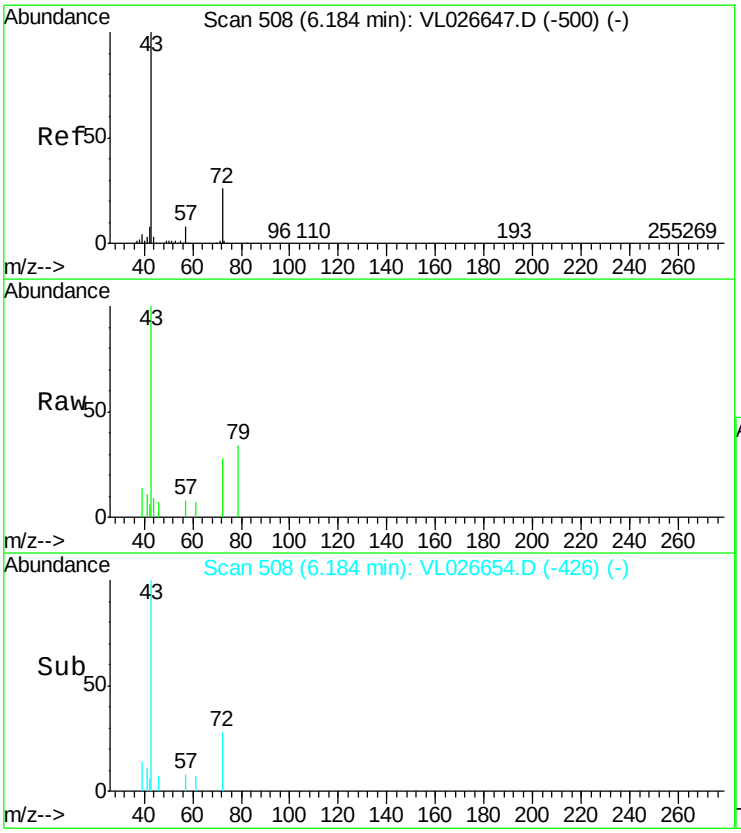
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2344981

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.7	32.5
88	18.9	15.2	22.8

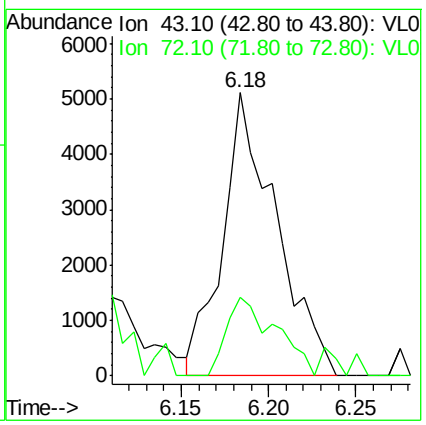


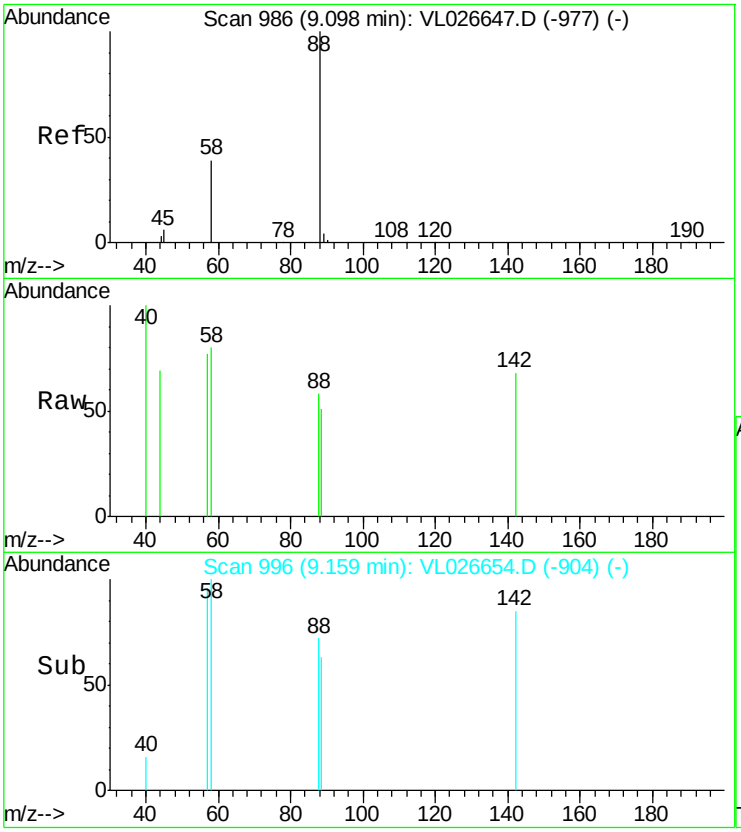


#34
2-Butanone
Concen: 0.09 ppbv
RT: 6.18 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion: 43 Resp: 10943

Ion	Ratio	Lower	Upper
43	100		
72	29.6	20.9	31.3



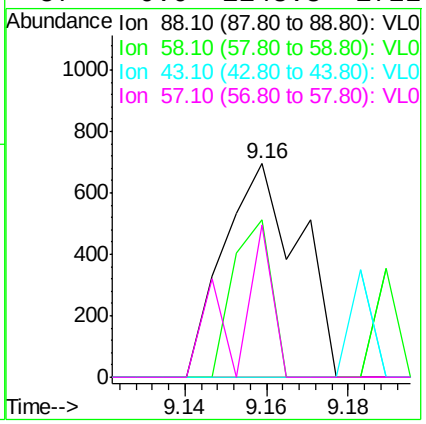


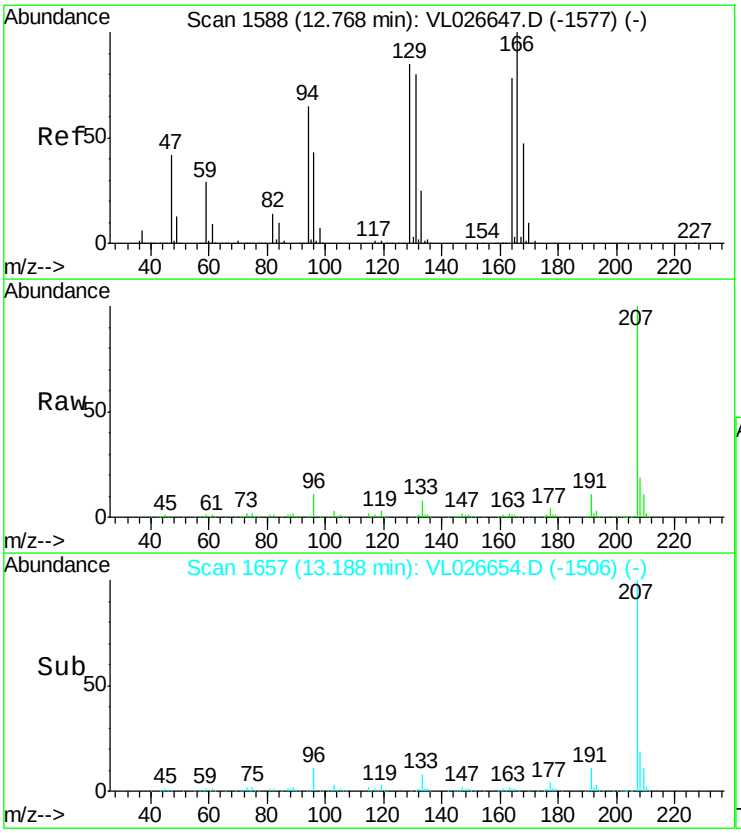
#40
1,4-Dioxane
Concen: 0.05 ppbv
RT: 9.16 min Scan# 996
Delta R.T. 0.06 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 88 Resp: 897

Ion	Ratio	Lower	Upper
88	100		
58	0.0	109.4	164.2#
43	225.2	238.2	357.2#
57	0.0	1148.3	1722.5#

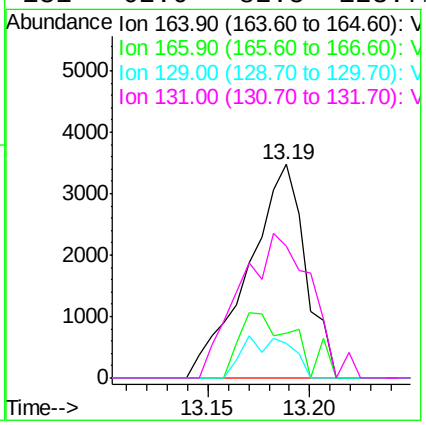


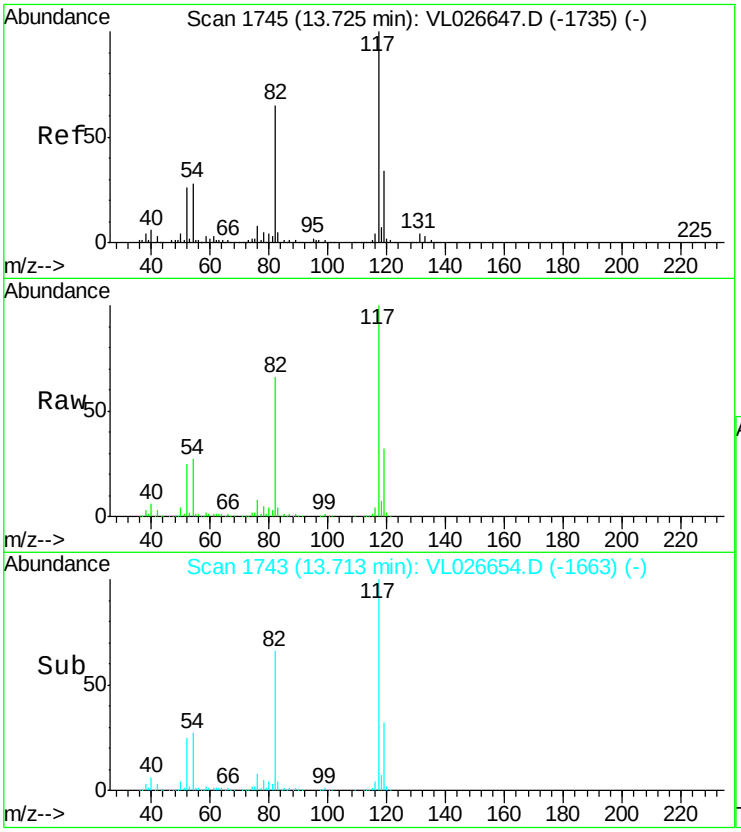


#52
Tetrachloroethene
Concen: 0.06 ppbv
RT: 13.19 min Scan# 1657
Delta R.T. 0.42 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion:164 Resp: 6783

Ion	Ratio	Lower	Upper
164	100		
166	20.8	102.5	153.7#
129	16.3	87.0	130.6#
131	62.0	82.5	123.7#



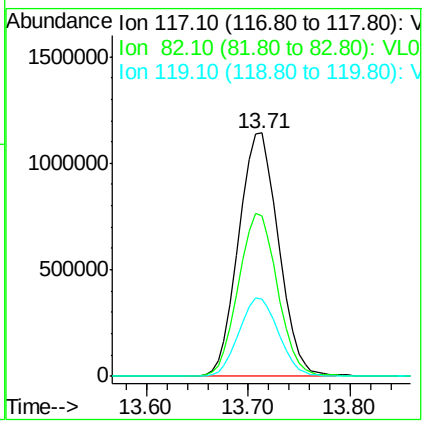


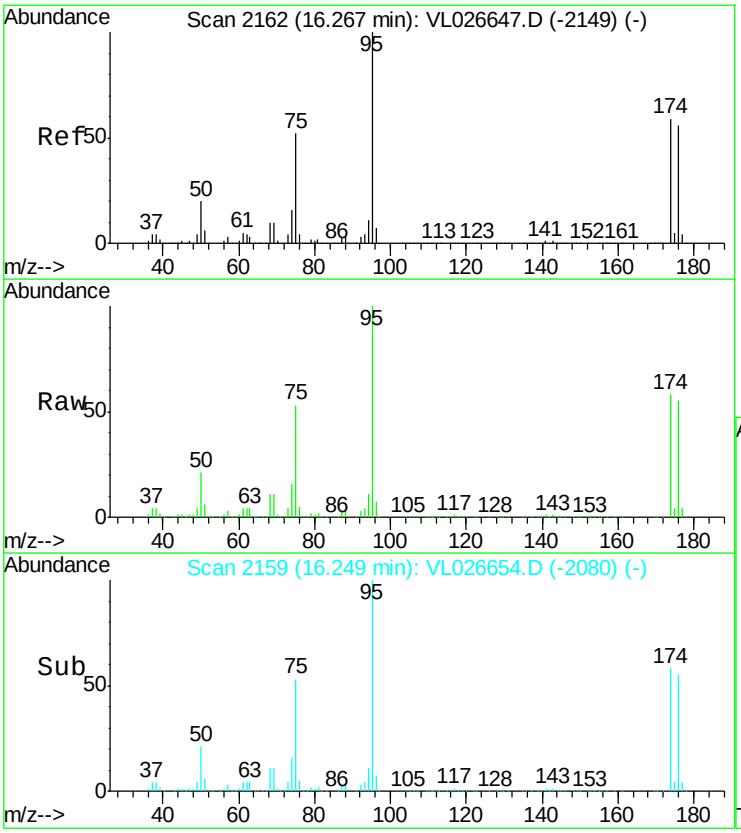
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3117158

Ion	Ratio	Lower	Upper
117	100		
82	66.2	49.7	74.5
119	32.3	43.8	65.8#

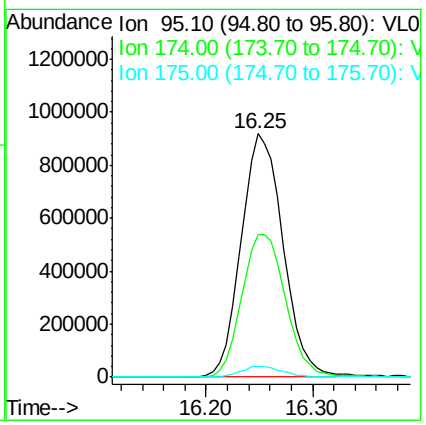


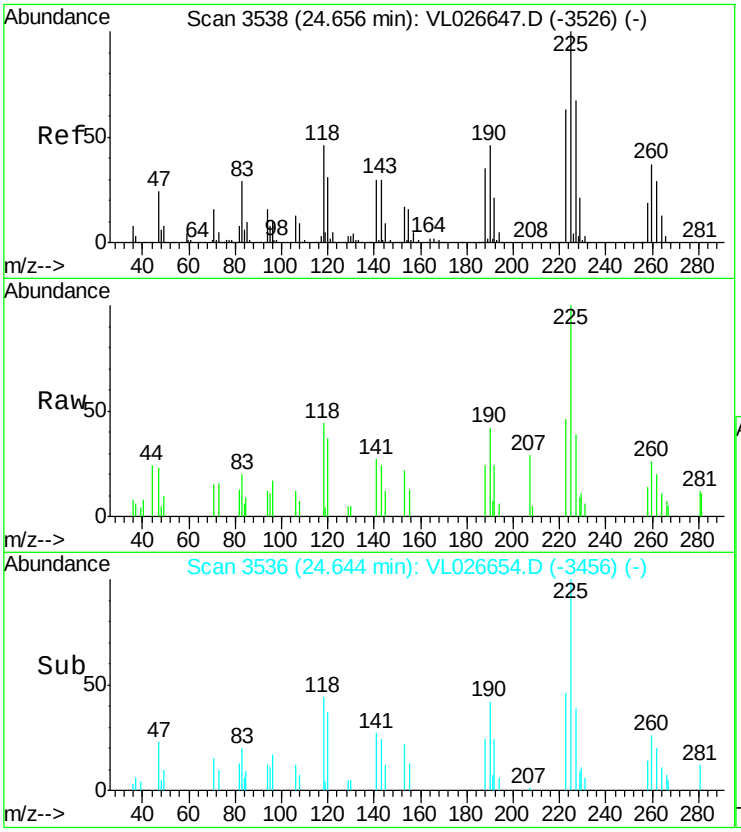


#68
1-Bromo-4-Fluorobenzene
Concen: 10.22 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion: 95 Resp: 2539702

Ion	Ratio	Lower	Upper
95	100		
174	61.9	47.8	71.8
175	4.4	3.6	5.4



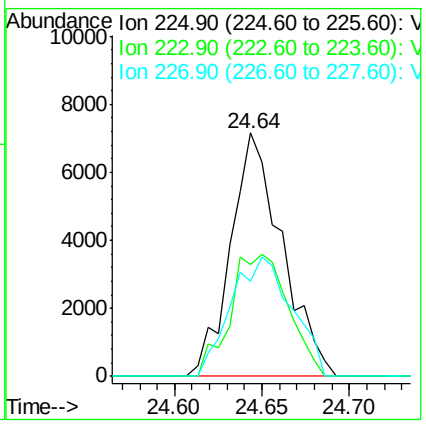


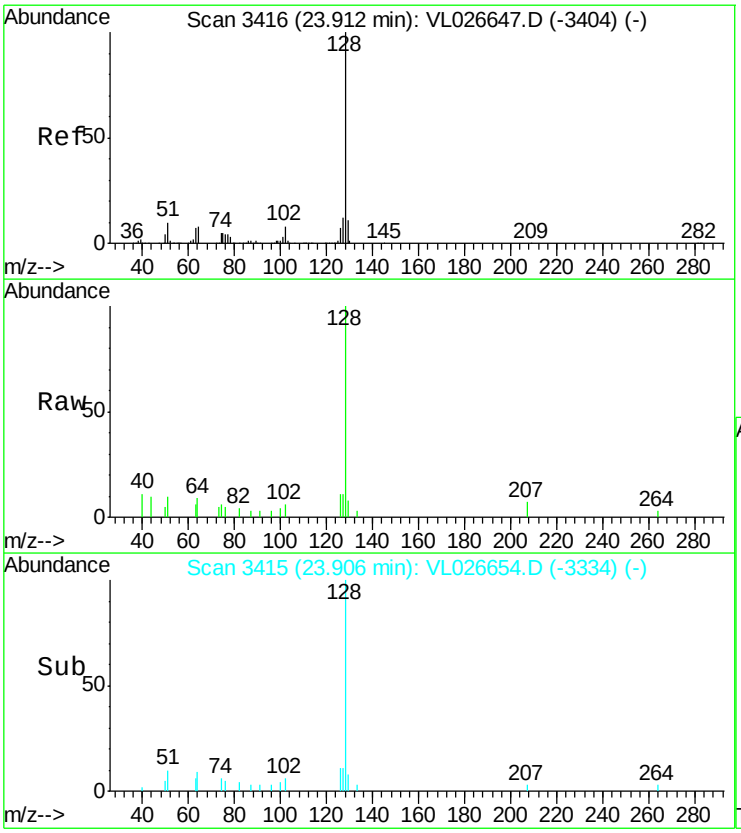
#78
Hexachloro-1,3-Butadiene
Concen: 0.10 ppbv
RT: 24.64 min Scan# 3536
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 14657

Ion	Ratio	Lower	Upper
225	100		
223	56.5	50.1	75.1
227	58.1	51.1	76.7

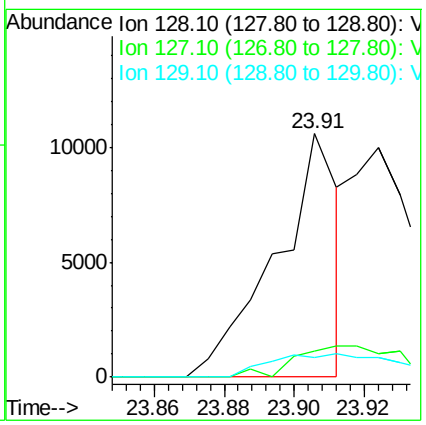


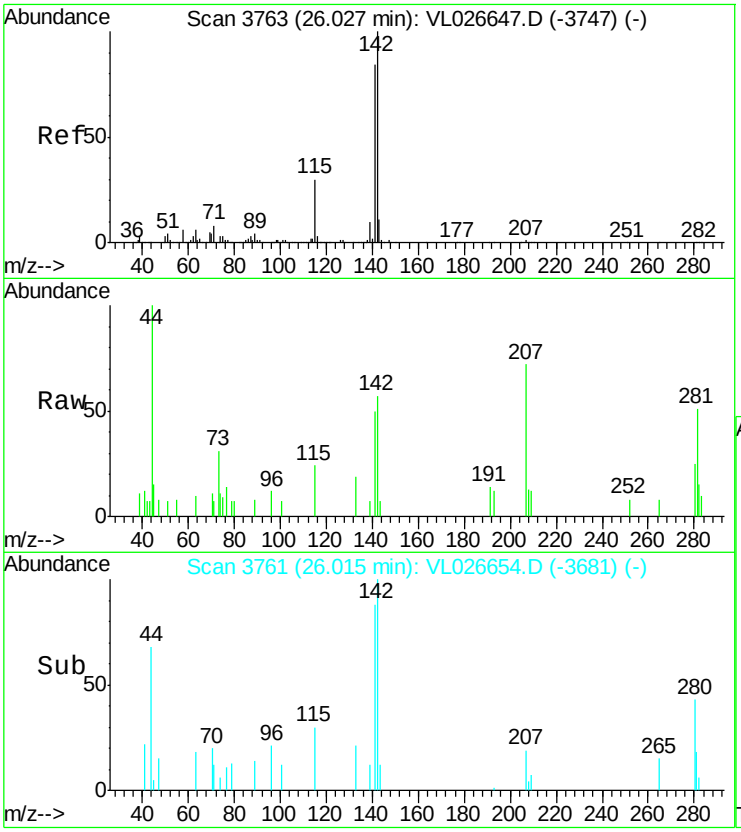


#79
Naphthalene
Concen: 0.04 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion:128 Resp: 13216

Ion	Ratio	Lower	Upper
128	100		
127	10.6	9.8	14.8
129	8.3	8.9	13.3#



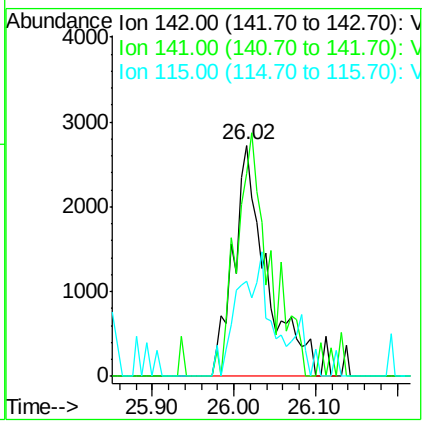


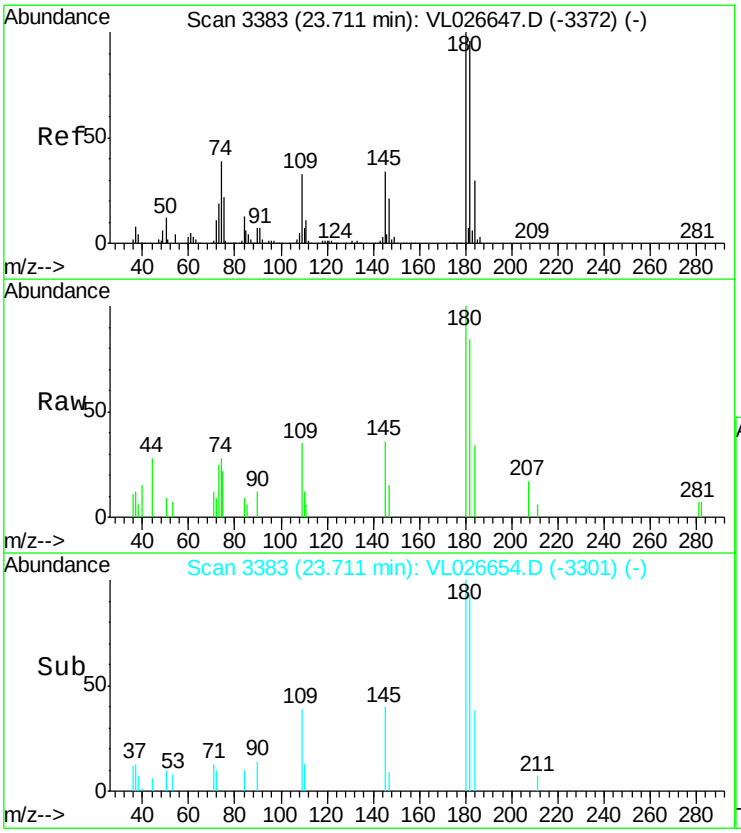
#80
Naphthalene,2-methyl-
Concen: 0.13 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 7890

Ion	Ratio	Lower	Upper
142	100		
141	106.7	67.0	100.6#
115	61.0	24.7	37.1#





#81
1,2,4-Trichlorobenzene
Concen: 0.08 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VL026654.D
Acq: 8 Jan 2016 23:36

Tgt Ion:180 Resp: 13252

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
184	34.1	24.1	36.1