Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026182.D
Acq On : 9 Oct 2015 18:52
Operator : SY/MD
Sample : QC092915 CAN 10257
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 10 00:13:16 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	6.67	49	923324	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	8.34	114	2422706	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.77	117	2840956	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.31	95	2189901	10.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	13276	0.08	ppbv		96
3) Chlorodifluoromethane	3.58	51	31083	0.29	ppbv		97
4) Chloromethane	3.76	50	5540	0.09	ppbv		98
5) Vinyl Chloride	3.90	62	4424	0.07	ppbv		100
6) Bromomethane	4.16	94	3151	0.07	ppbv	#	77
7) Chloroethane	4.26	64	1906	0.07	ppbv		90
8) Dichlorotetrafluoroethane	3.82	85	11328	0.08	ppbv		98
9) Propene	3.60	41	6102	0.12	ppbv		91
10) Heptane	9.37	43	8802	0.05	ppbv		99
11) Trichlorofluoromethane	4.71	101	12634	0.07	ppbv		88
12) 1,1,2-Trichlorotrifluoroet	5.32	101	8916	0.08	ppbv		100
13) Ethanol	4.39	45	1122	0.15	ppbv	#	52
14) Bromoethene	4.46	108	3060	0.06	ppbv		96
15) Acetone	4.65	43	45943	0.38	ppbv	#	13
16) 1,3-Butadiene	3.98	39	8416	0.15	ppbv	#	47
17) tert-Butyl alcohol	5.20	59	2485	0.03	ppbv	#	71
18) 1,1-Dichloroethene	5.10	96	3937	0.08	ppbv		86
19) Isopropyl Alcohol	4.82	45	1736	0.04	ppbv	#	1
20) Methylene Chloride	5.17	84	7873	0.15	ppbv	#	85
21) Allyl Chloride	5.24	41	5771	0.07	ppbv	#	86
22) trans-1,2-Dichloroethene	5.79	96	4655	0.07	ppbv		98
23) Vinyl Acetate	6.01	43	17789	0.08	ppbv	#	95
24) 1,1-Dichloroethane	5.93	63	10740	0.07	ppbv	#	85
26) Hexane	6.68	57	7774	0.07	ppbv		88
27) Carbon Disulfide	5.41	76	8860	0.07	ppbv	#	14
28) Methyl tert-Butyl Ether	6.01	73	10836	0.06	ppbv		99
29) Chloroform	6.76	83	12443	0.08	ppbv		98
30) Cyclohexane	8.31	84	3845	0.04	ppbv	#	6
31) cis-1,2-Dichloroethene	6.53	61	6494	0.06	ppbv	#	90
32) 1,1,1-Trichloroethane	7.62	97	11107	0.07	ppbv		95
34) 2-Butanone	6.25	43	16043	0.12	ppbv		91
35) Carbon Tetrachloride	8.18	117	10763	0.07	ppbv		93
36) Benzene	8.04	78	17109	0.07	ppbv		93
37) 1,2-Dichloroethane	7.38	62	9348	0.08	ppbv	#	86
38) Trichloroethene	9.09	130	9189	0.09	ppbv		87
39) 1,2-Dichloropropane	8.84	63	7374	0.09	ppbv	#	83
42) Bromodichloromethane	9.04	83	10978	0.07	ppbv	#	91
44) 2,2,4-Trimethylpentane	9.10	57	23125	0.06	ppbv	#	90
46) cis-1,3-Dichloropropene	10.04	75	6522	0.05	ppbv		96
47) 1,1,2-Trichloroethane	10.91	97	7677	0.07	ppbv	#	66
48) Dibromochloromethane	11.82	129	7575	0.05	ppbv		98

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026182.D
Acq On : 9 Oct 2015 18:52
Operator : SY/MD
Sample : QC092915 CAN 10257
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 10 00:13:16 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)
49) Bromoform	14.83	173	5025	0.05	ppbv		92
50) 4-Methyl-2-Pentanone	10.15	43	9797	0.05	ppbv		94
51) 2-Hexanone	11.68	43	6128	0.04	ppbv	#	95
52) Tetrachloroethene	12.82	164	9730	0.09	ppbv	#	81
53) Toluene	11.26	91	17056	0.06	ppbv		97
54) 1,2-Dibromoethane	12.17	107	11398	0.07	ppbv		90
56) 1,1,1,2-Tetrachloroethane	13.82	131	7876	0.07	ppbv	#	1
57) Chlorobenzene	13.83	112	21588	0.08	ppbv		91
58) Ethyl Benzene	14.43	91	23289	0.06	ppbv		98
59) m/p-Xylene	14.74	91	19954	0.06	ppbv	#	27
60) o-Xylene	15.52	91	26025	0.07	ppbv		96
61) Styrene	15.35	104	8309	0.06	ppbv		96
62) Isopropylbenzene	16.57	105	26558	0.06	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.52	83	20659	0.08	ppbv		98
64) n-propylbenzene	17.55	120	6144	0.05	ppbv		80
65) tert-Butylbenzene	18.83	119	23803	0.06	ppbv		93
66) Benzyl Chloride	19.13	91	6436	0.05	ppbv	#	73
67) sec-Butylbenzene	19.43	105	31620	0.06	ppbv		95
69) p-Isopropyltoluene	19.82	119	21076	0.05	ppbv		95
70) n-Butylbenzene	20.78	91	20063	0.05	ppbv		93
71) 2-Chlorotoluene	17.46	91	19576	0.06	ppbv		98
72) 4-Ethyltoluene	17.85	105	16885	0.05	ppbv		98
73) 1,3,5-Trimethylbenzene	18.00	105	17931	0.05	ppbv		96
74) 1,2,4-Trimethylbenzene	18.86	105	29453	0.08	ppbv	#	81
75) 1,3-Dichlorobenzene	19.14	146	18796	0.08	ppbv		98
76) 1,4-Dichlorobenzene	19.30	146	18712	0.08	ppbv		99
77) 1,2-Dichlorobenzene	20.06	146	16438	0.07	ppbv		98
78) Hexachloro-1,3-Butadiene	24.69	225	8851	0.10	ppbv		94
79) Naphthalene	23.95	128	14633	0.06	ppbv		96
80) Naphthalene,2-methyl-	26.08	142	4578	0.09	ppbv		94
81) 1,2,4-Trichlorobenzene	23.76	180	8545	0.08	ppbv		98

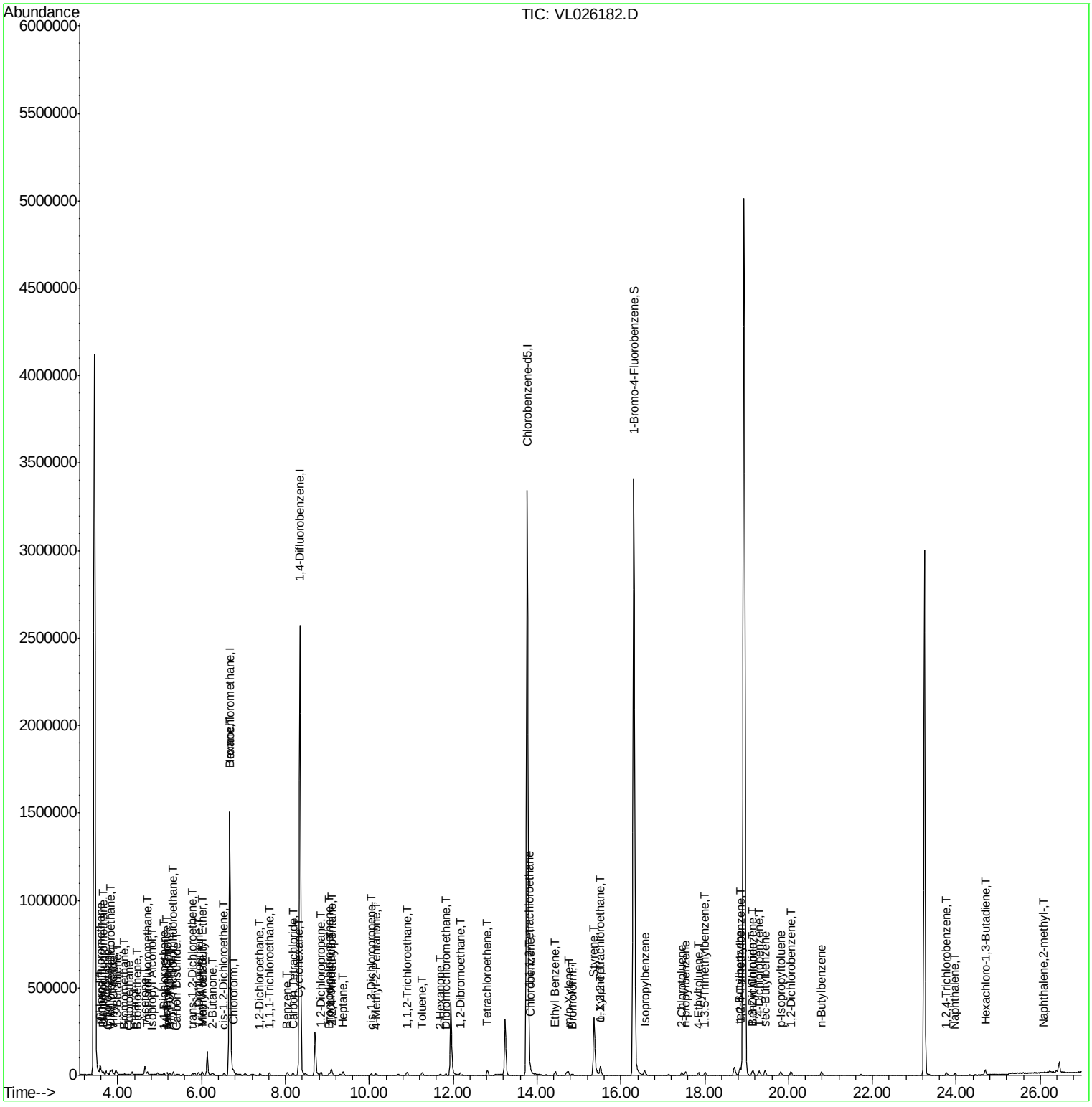
(#) = qualifier out of range (m) = manual integration (+) = signals summed

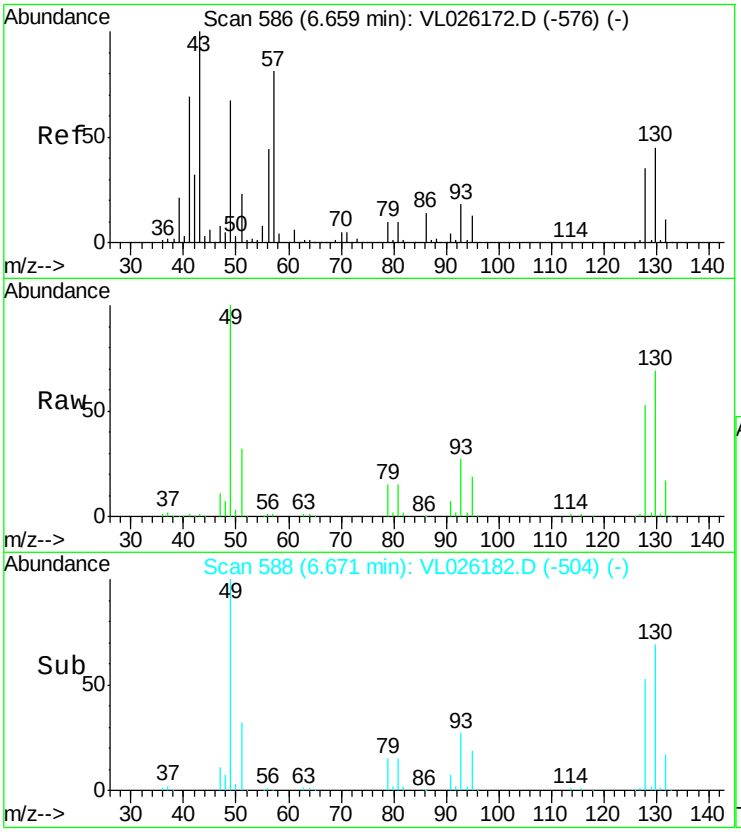
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026182.D
Acq On : 9 Oct 2015 18:52
Operator : SY/MD
Sample : QC092915 CAN 10257
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Oct 10 00:13:16 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



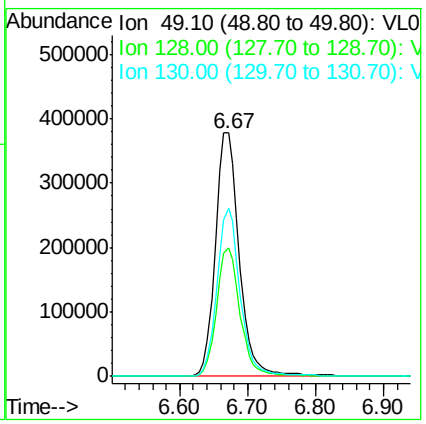


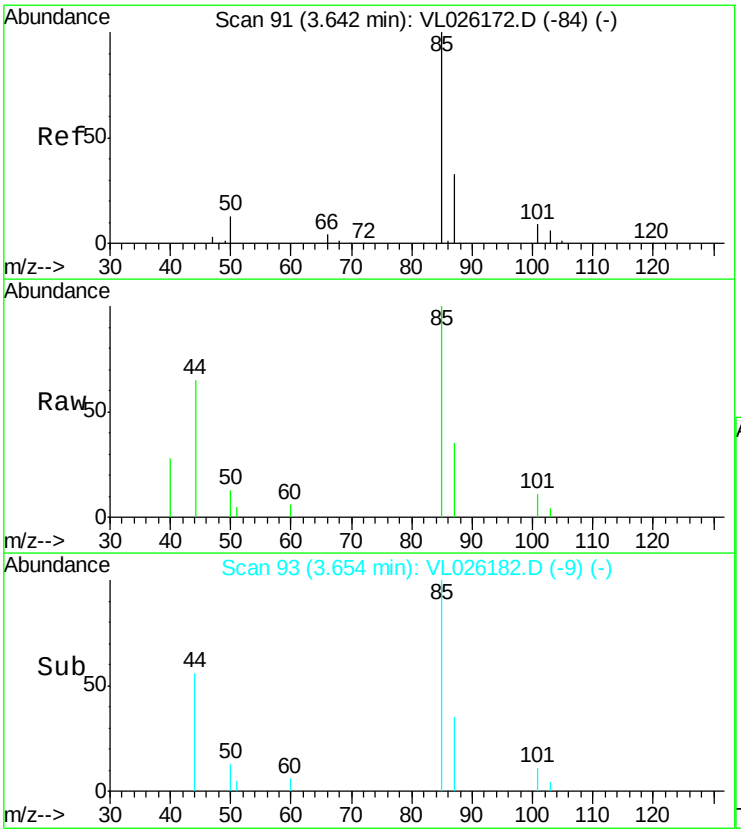
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 923324

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.3	78.8
130	67.7	34.2	102.5

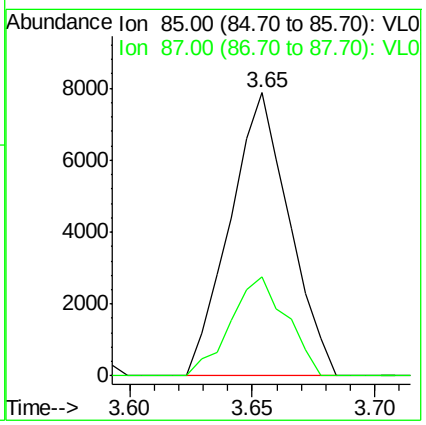


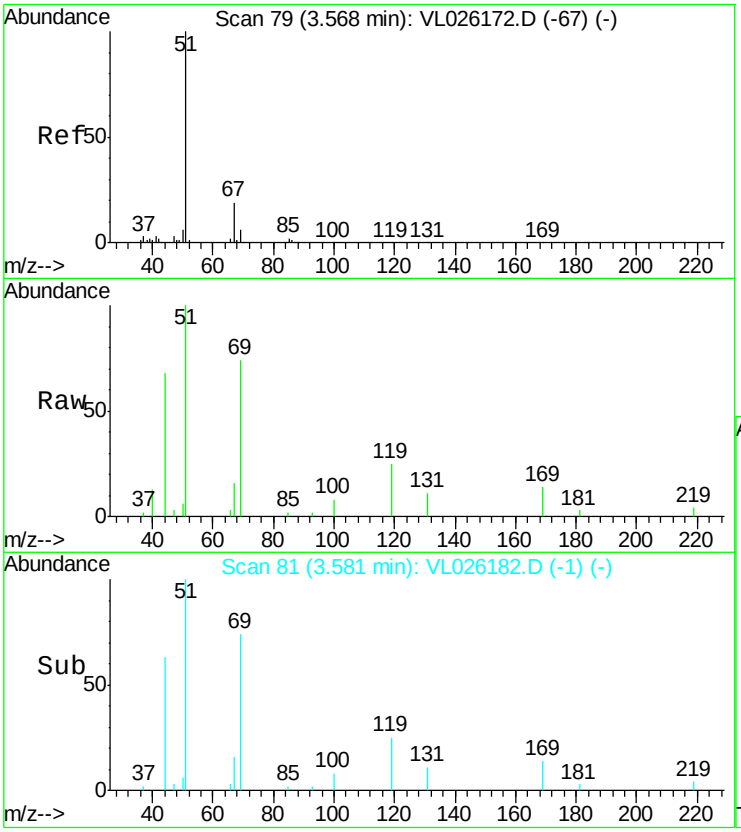


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.65 min Scan# 93
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 85 Resp: 13276

Ion	Ratio	Lower	Upper
85	100		
87	34.9	26.2	39.4



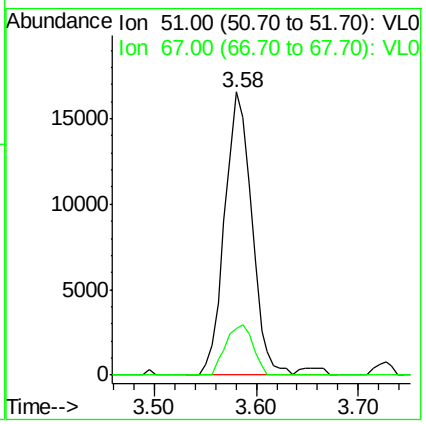


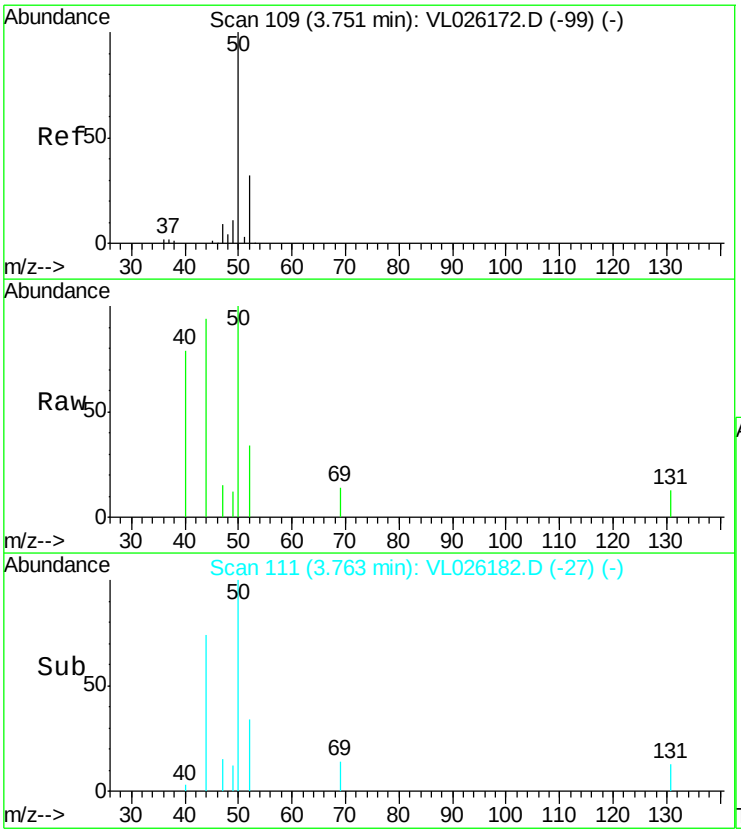
#3
Chlorodifluoromethane
Concen: 0.29 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 51 Resp: 31083

Ion	Ratio	Lower	Upper
51	100		
67	17.3	14.9	22.3

Instrument :
MSVOA_L
ClientSampleId :

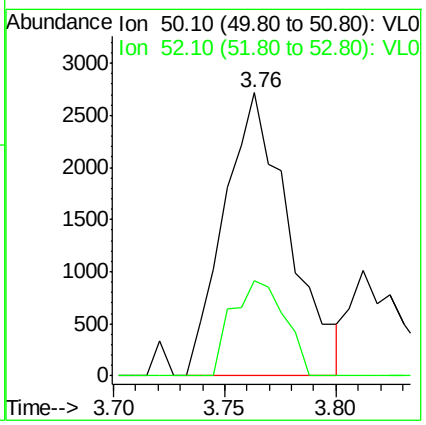


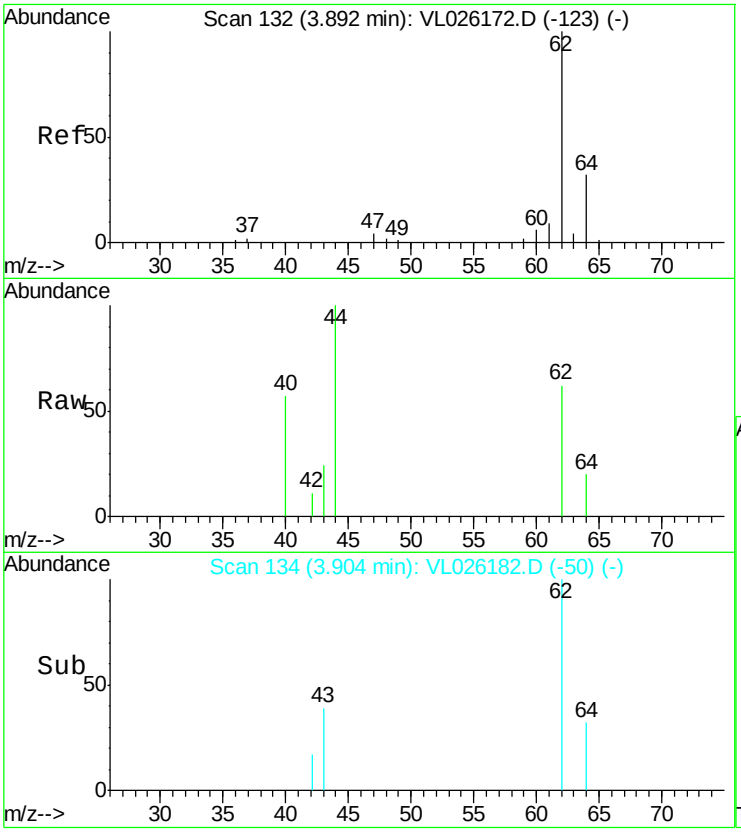


#4
Chloromethane
Concen: 0.09 ppbv
RT: 3.76 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 50 Resp: 5540

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.9	38.9



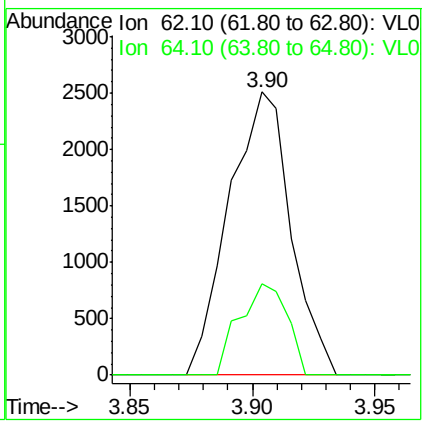


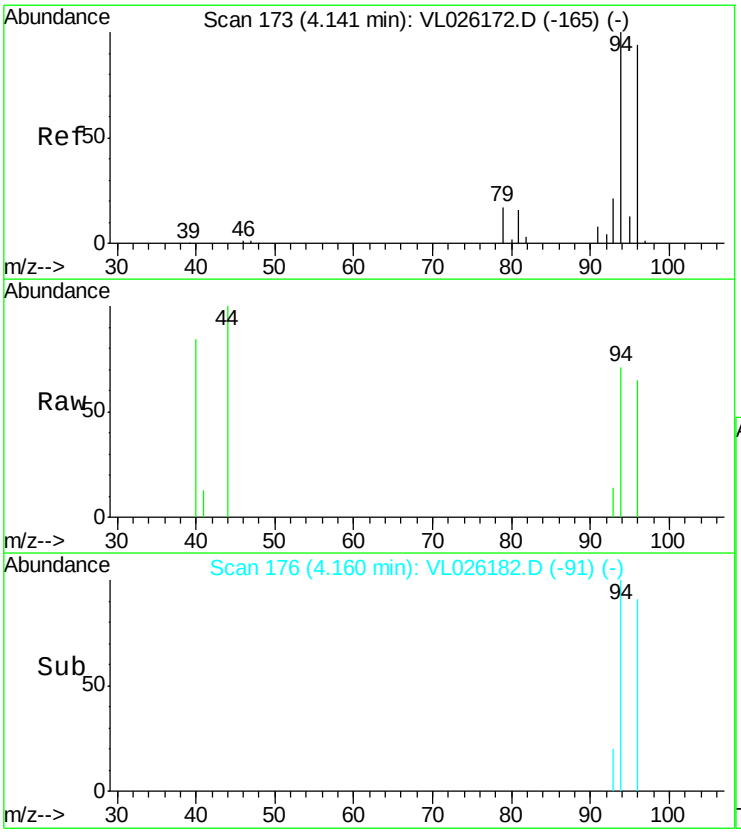
#5
Vinyl Chloride
Concen: 0.07 ppbv
RT: 3.90 min Scan# 134
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 4424

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.6	38.4

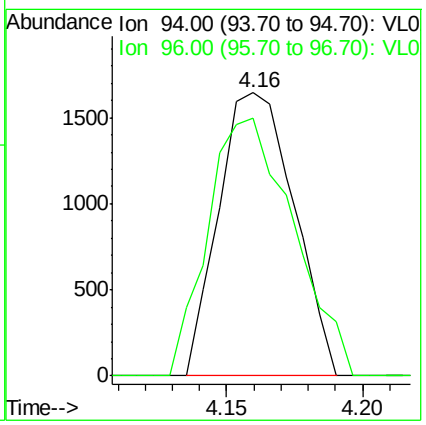


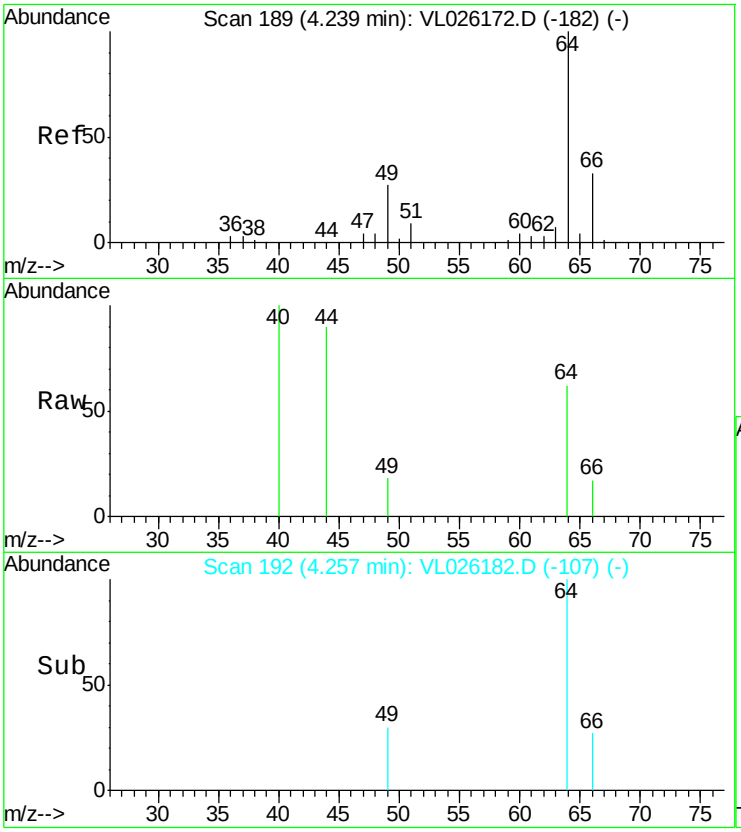


#6
Bromomethane
Concen: 0.07 ppbv
RT: 4.16 min Scan# 176
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 94 Resp: 3151

Ion	Ratio	Lower	Upper
94	100		
96	71.9	75.4	113.2#



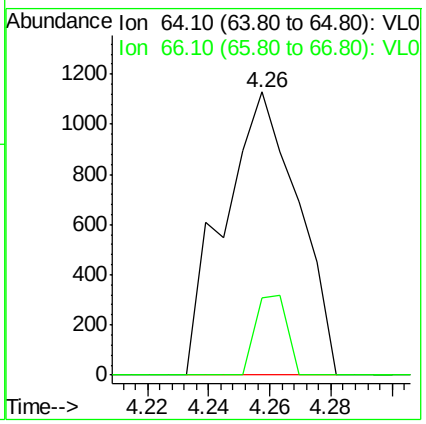


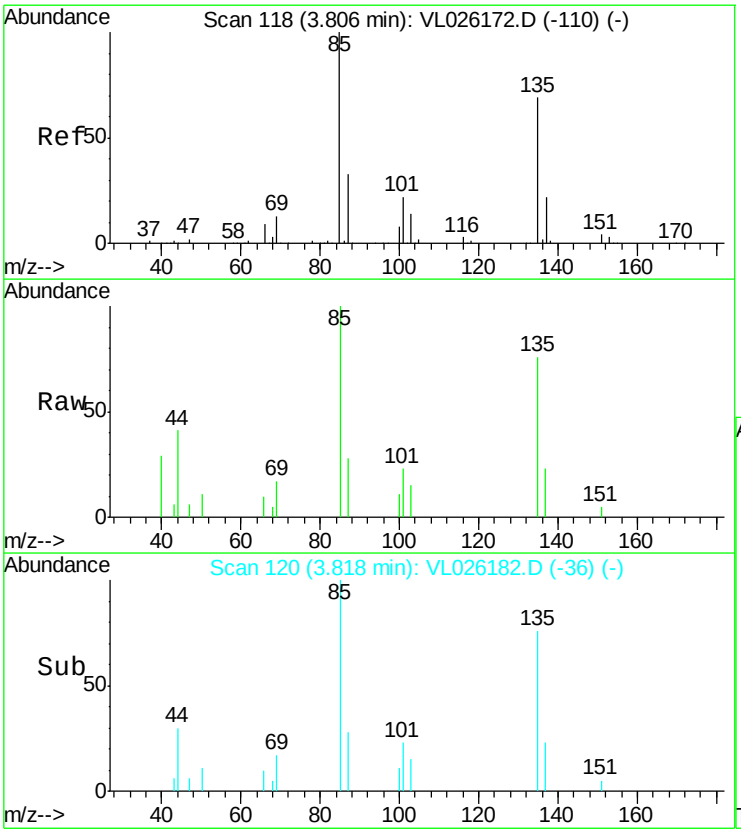
#7
Chloroethane
Concen: 0.07 ppbv
RT: 4.26 min Scan# 192
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 1906

Ion	Ratio	Lower	Upper
64	100		
66	27.2	26.5	39.7

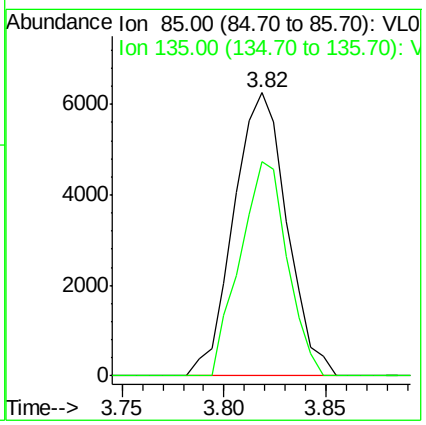


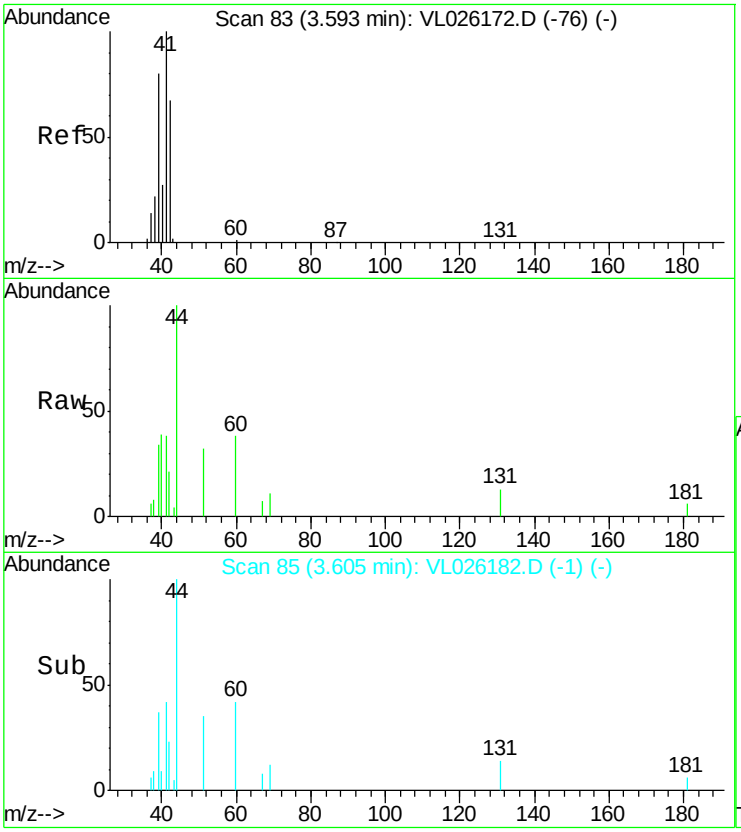


#8
Dichlorotetrafluoroethane
Concen: 0.08 ppbv
RT: 3.82 min Scan# 120
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 85 Resp: 11328

Ion	Ratio	Lower	Upper
85	100		
135	67.3	55.3	82.9



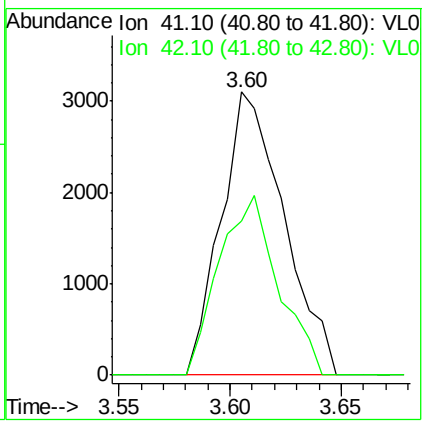


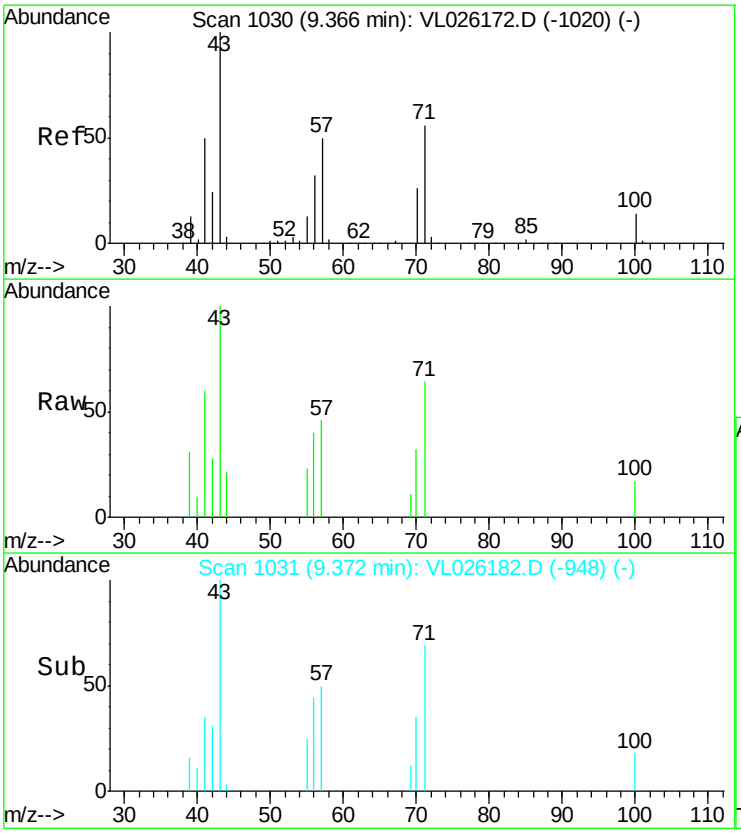
#9
Propene
Concen: 0.12 ppbv
RT: 3.60 min Scan# 85
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 6102

Ion	Ratio	Lower	Upper
41	100		
42	59.6	53.6	80.4

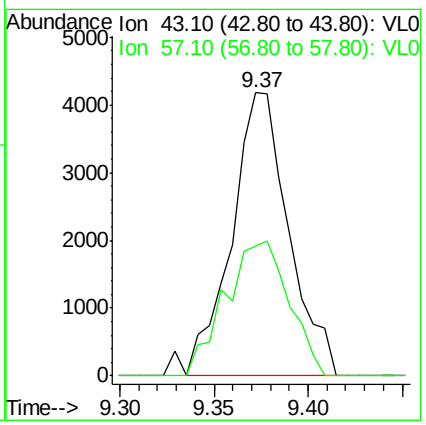


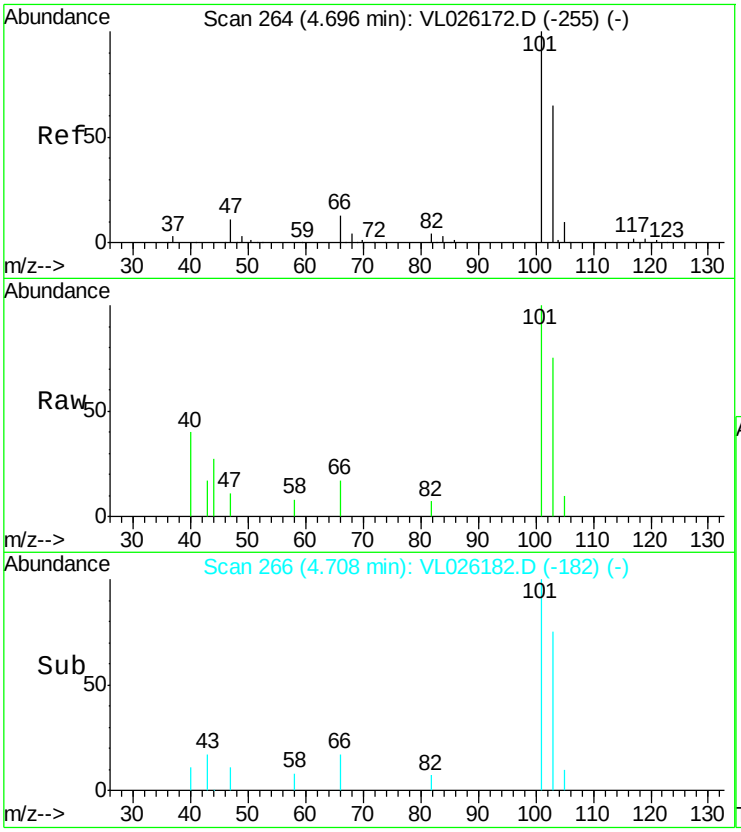


#10
Heptane
Concen: 0.05 ppbv
RT: 9.37 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 43 Resp: 8802

Ion	Ratio	Lower	Upper
43	100		
57	53.0	41.8	62.8



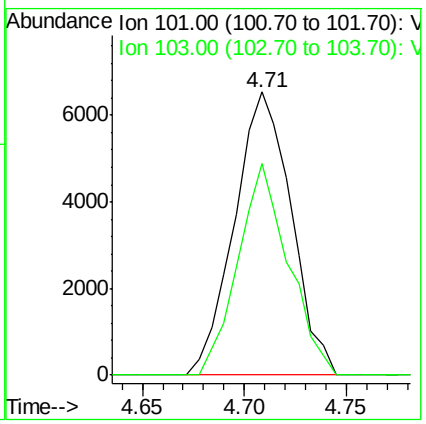


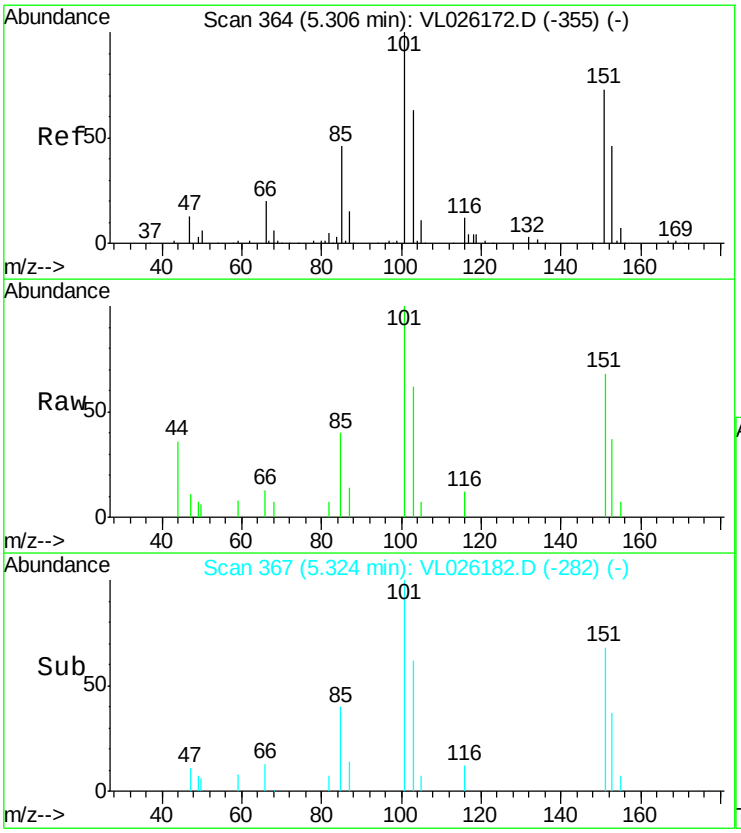
#11
Trichlorofluoromethane
Concen: 0.07 ppbv
RT: 4.71 min Scan# 266
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 12634

Ion	Ratio	Lower	Upper
101	100		
103	74.6	51.9	77.9

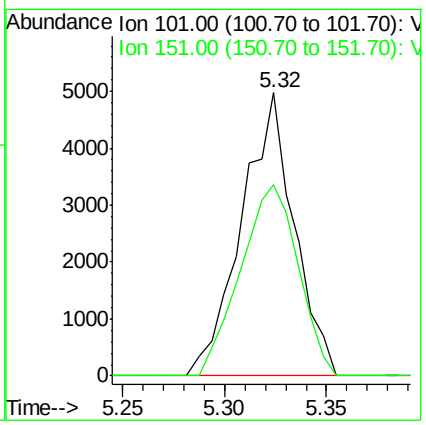


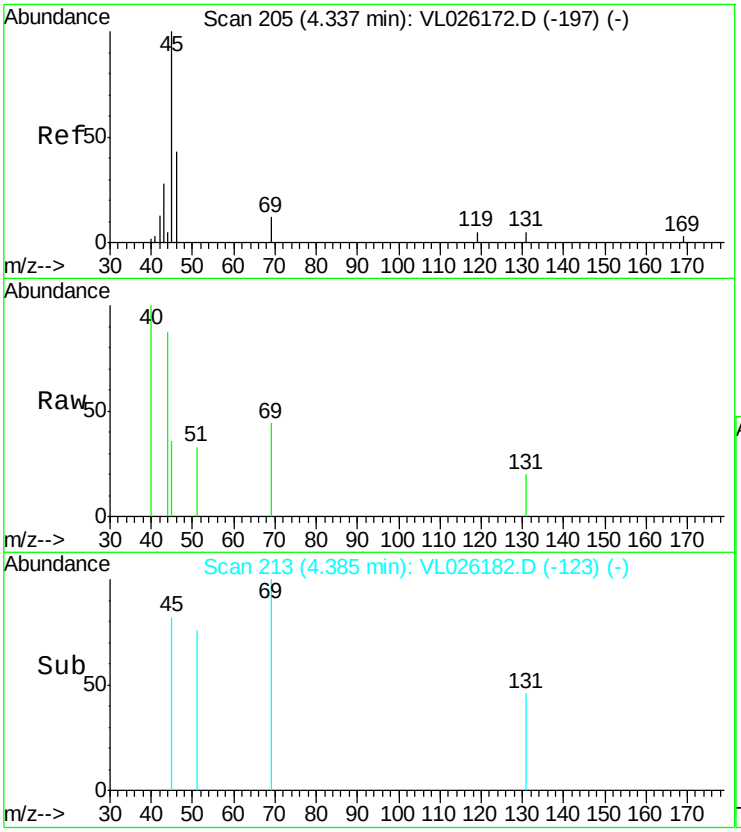


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.08 ppbv
RT: 5.32 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:101 Resp: 8916

Ion	Ratio	Lower	Upper
101	100		
151	74.0	59.0	88.6



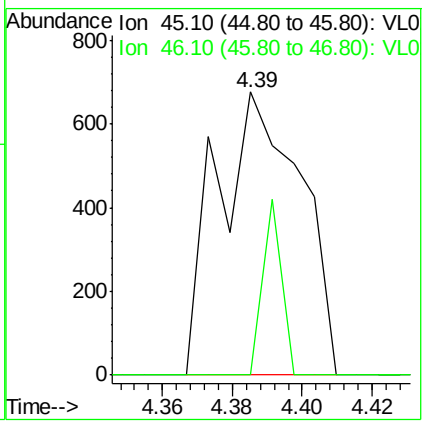


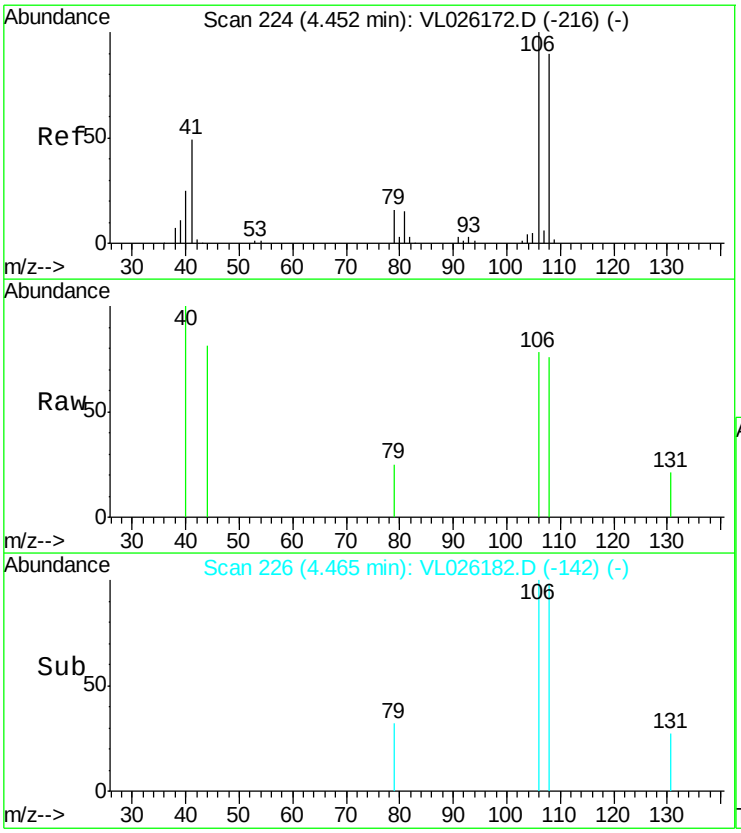
#13
Ethanol
Concen: 0.15 ppbv
RT: 4.39 min Scan# 213
Delta R.T. 0.05 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1122

Ion	Ratio	Lower	Upper
45	100		
46	13.7	18.1	72.5#

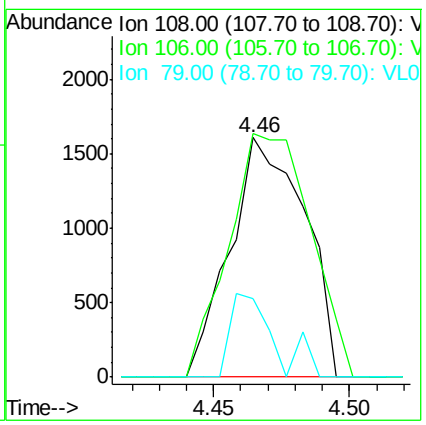


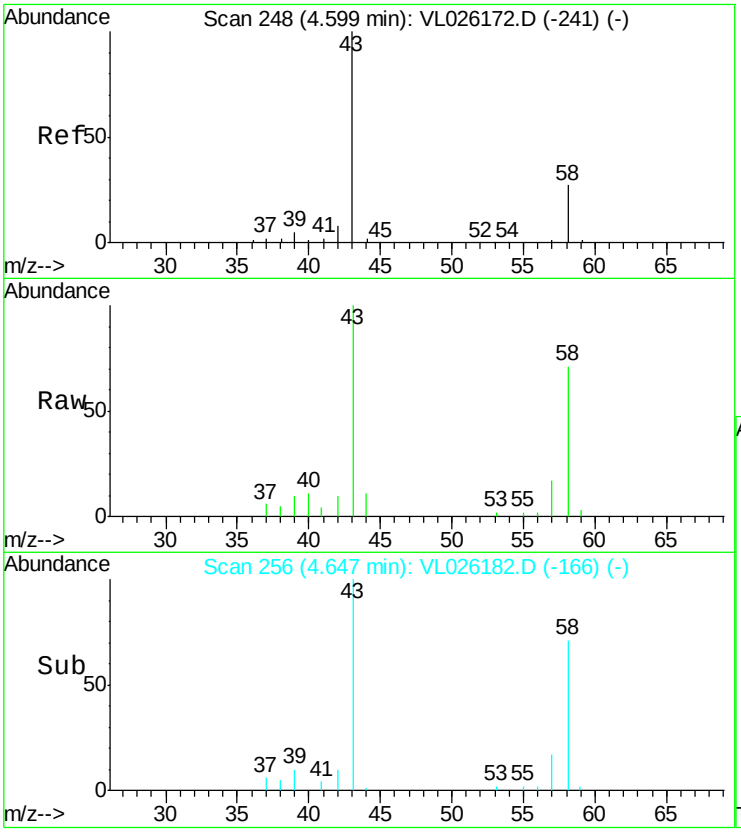


#14
Bromoethene
Concen: 0.06 ppbv
RT: 4.46 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:108 Resp: 3060

Ion	Ratio	Lower	Upper
108	100		
106	111.1	85.9	128.9
79	20.5	14.0	21.0



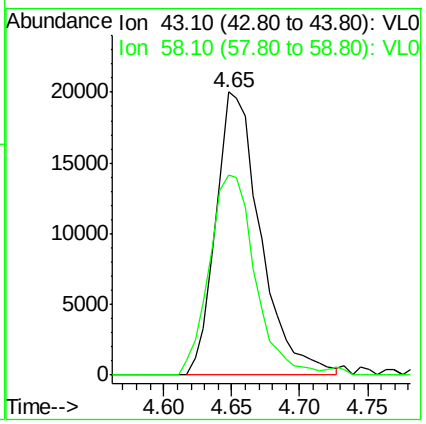


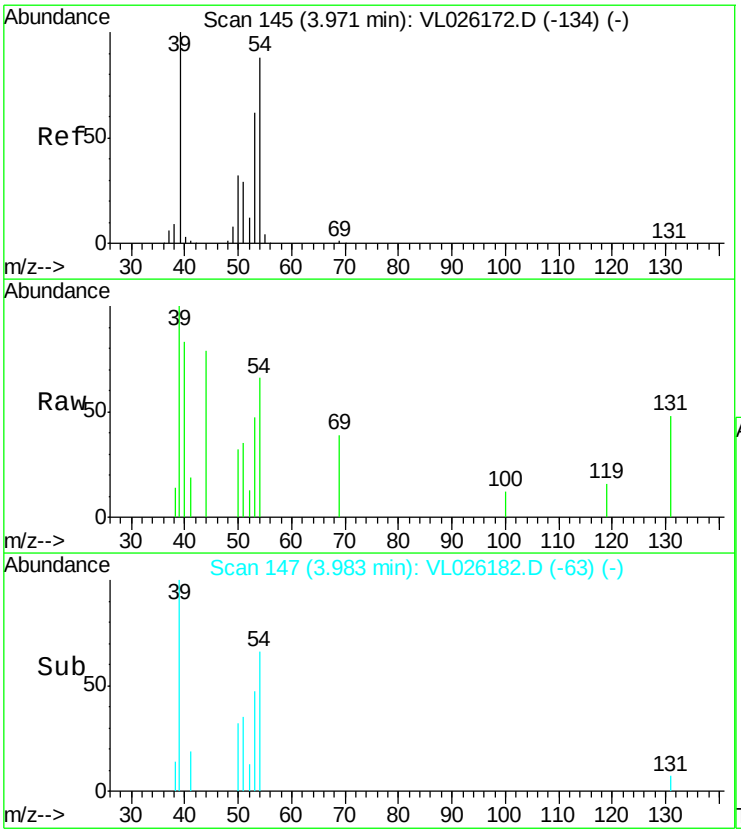
#15
Acetone
Concen: 0.38 ppbv
RT: 4.65 min Scan# 256
Delta R.T. 0.05 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 45943

Ion	Ratio	Lower	Upper
43	100		
58	73.0	22.0	33.0#

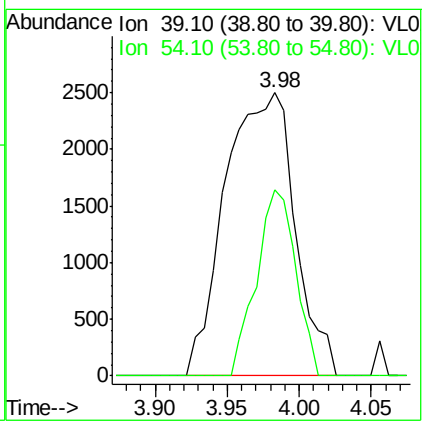


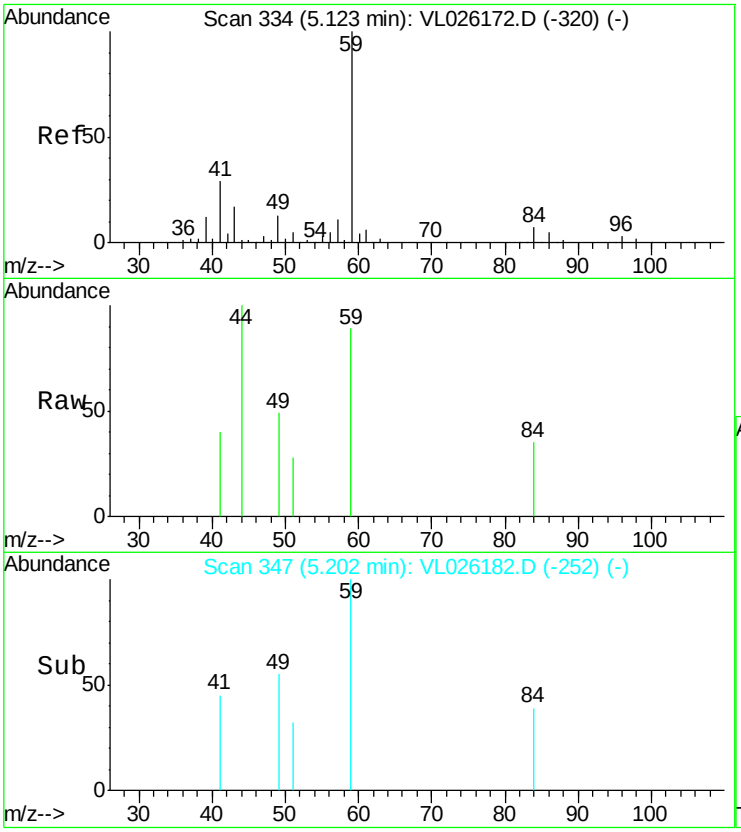


#16
1,3-Butadiene
Concen: 0.15 ppbv
RT: 3.98 min Scan# 147
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 39 Resp: 8416

Ion	Ratio	Lower	Upper
39	100		
54	36.9	67.9	101.9#



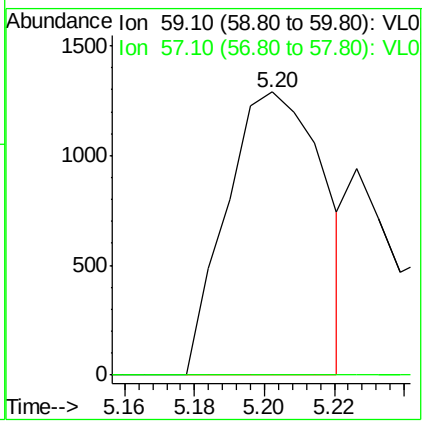


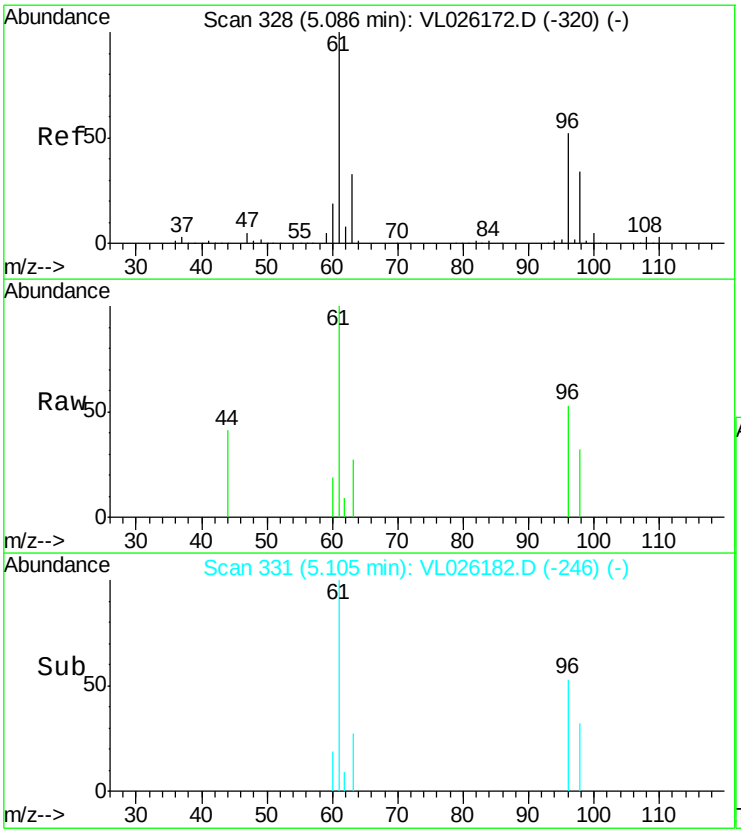
#17
tert-Butyl alcohol
Concen: 0.03 ppbv
RT: 5.20 min Scan# 347
Delta R.T. 0.08 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 2485

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

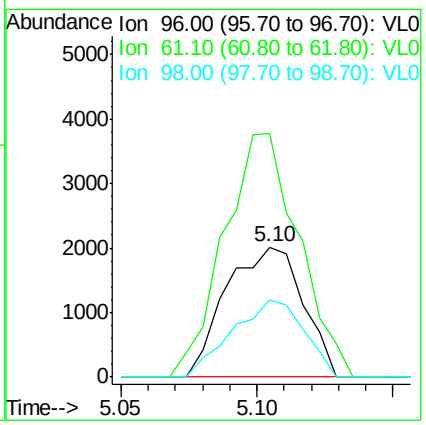


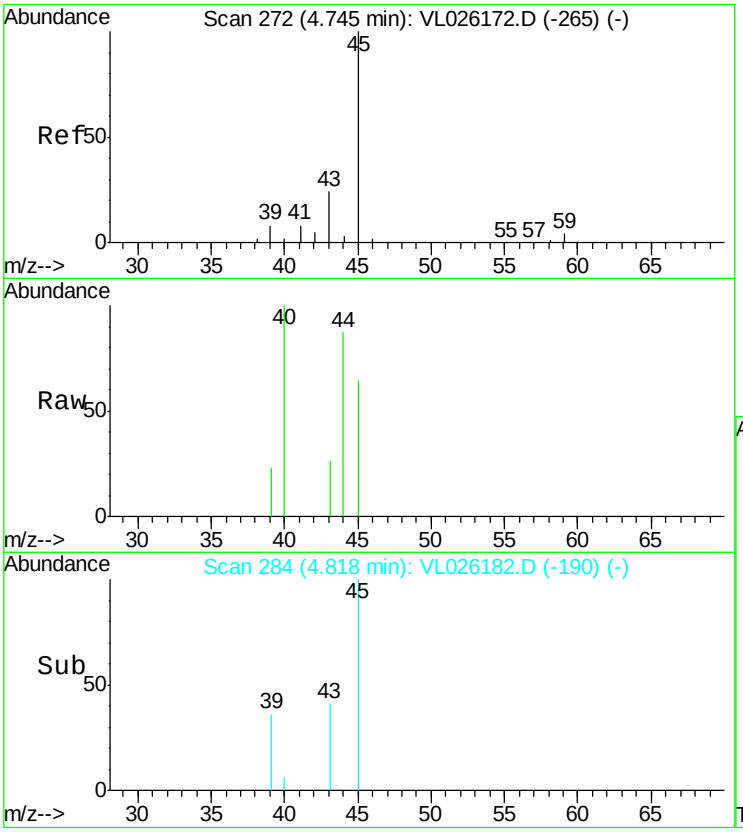


#18
1,1-Dichloroethene
Concen: 0.08 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 96 Resp: 3937

Ion	Ratio	Lower	Upper
96	100		
61	167.8	153.2	229.8
98	59.9	52.1	78.1



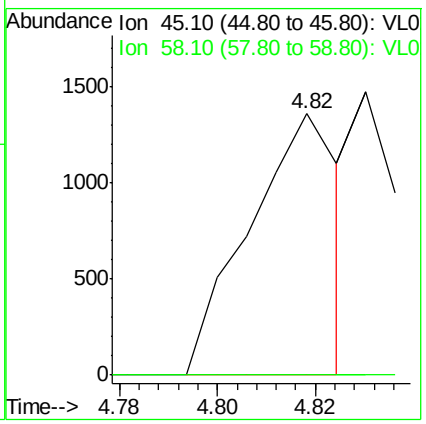


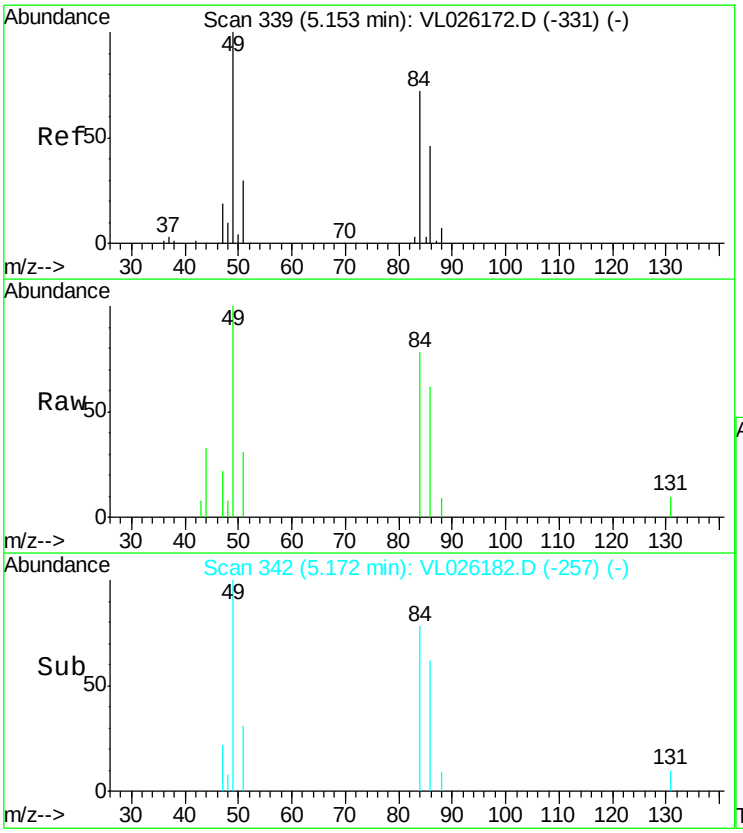
#19
Isopropyl Alcohol
Concen: 0.04 ppbv
RT: 4.82 min Scan# 284
Delta R.T. 0.07 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1736

Ion	Ratio	Lower	Upper
45	100		
58	1932.1	1.7	2.5#

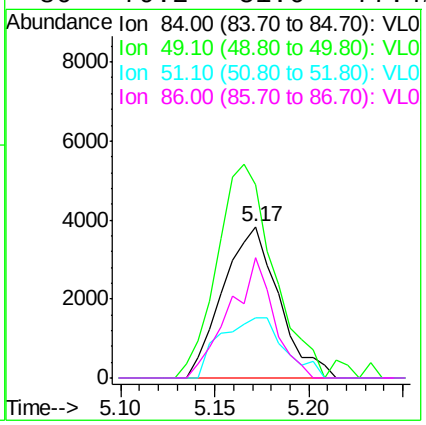


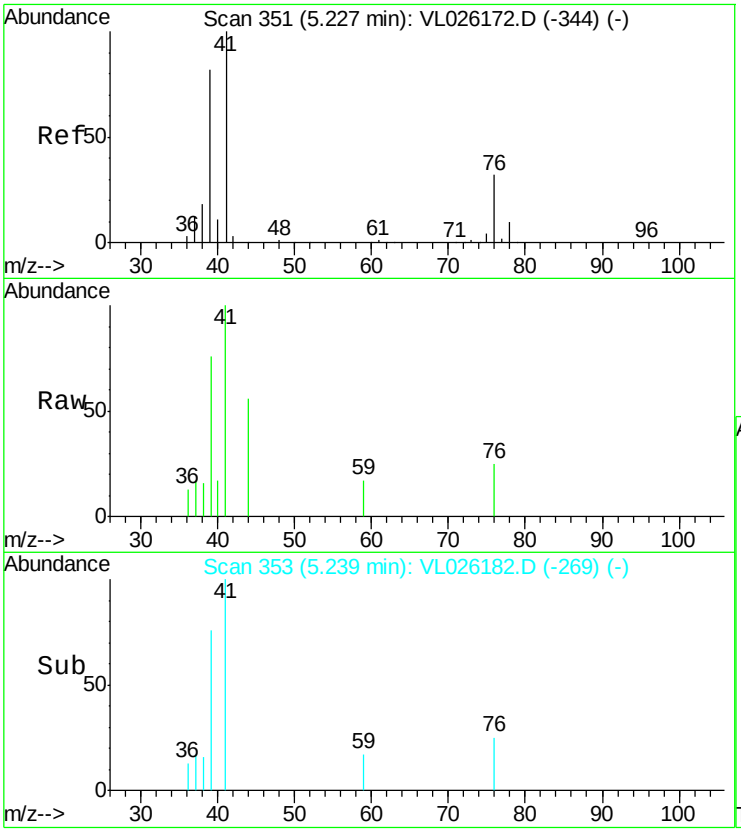


#20
Methylene Chloride
Concen: 0.15 ppbv
RT: 5.17 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 84 Resp: 7873

Ion	Ratio	Lower	Upper
84	100		
49	119.0	111.3	166.9
51	40.1	33.0	49.6
86	79.2	51.6	77.4#



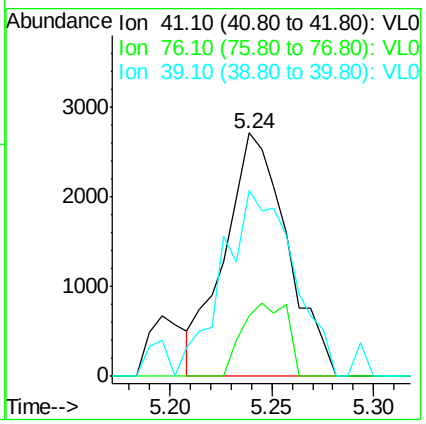


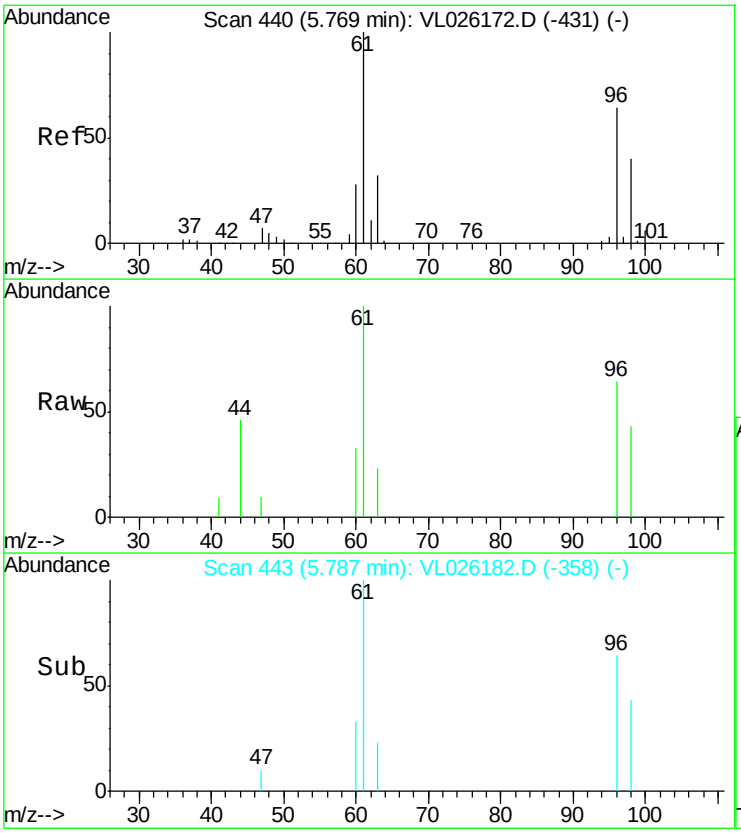
#21
Allvl Chloride
Concen: 0.07 ppbv
RT: 5.24 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 5771

Ion	Ratio	Lower	Upper
41	100		
76	21.6	25.4	38.2#
39	93.6	66.5	99.7

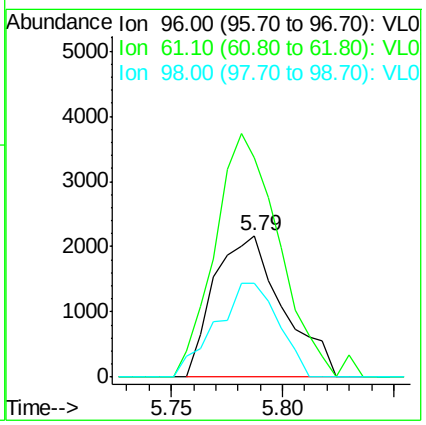


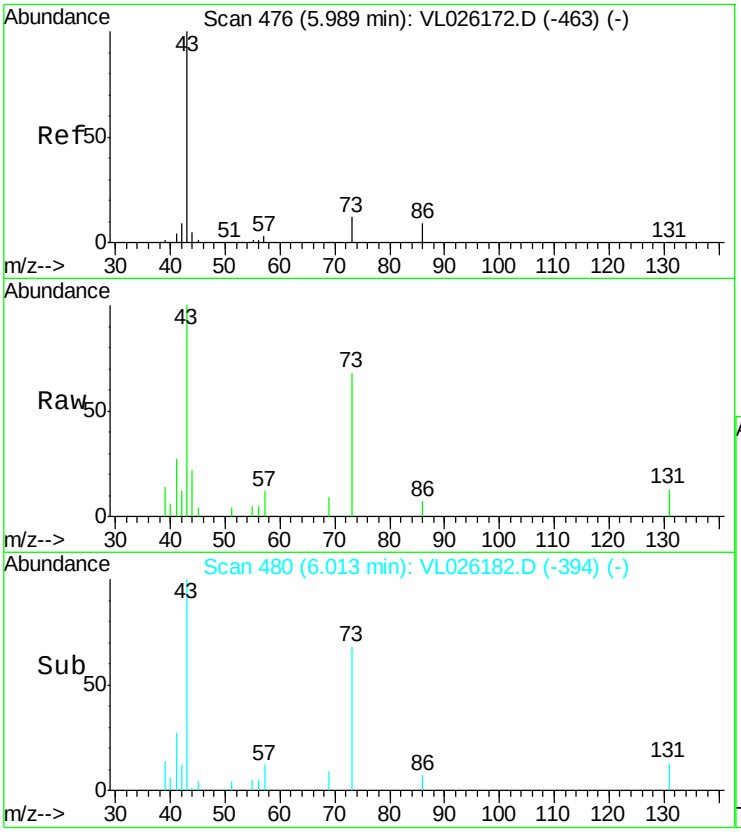


#22
trans-1,2-Dichloroethene
Concen: 0.07 ppbv
RT: 5.79 min Scan# 443
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 96 Resp: 4655

Ion	Ratio	Lower	Upper
96	100		
61	155.1	125.8	188.6
98	66.2	50.6	75.8



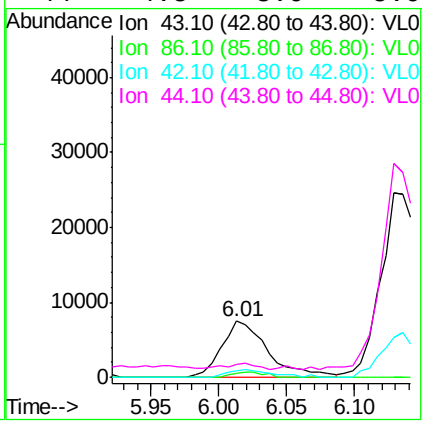


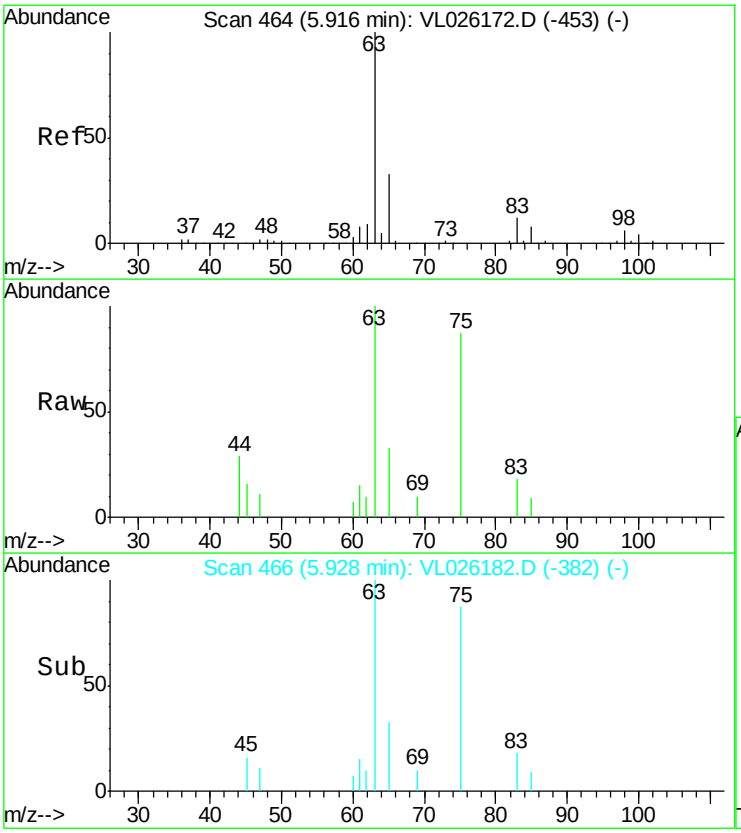
#23
Vinyl Acetate
Concen: 0.08 ppbv
RT: 6.01 min Scan# 480
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 17789

Ion	Ratio	Lower	Upper
43	100		
86	7.3	7.2	10.8
42	11.8	7.4	11.2#
44	4.5	3.9	5.9

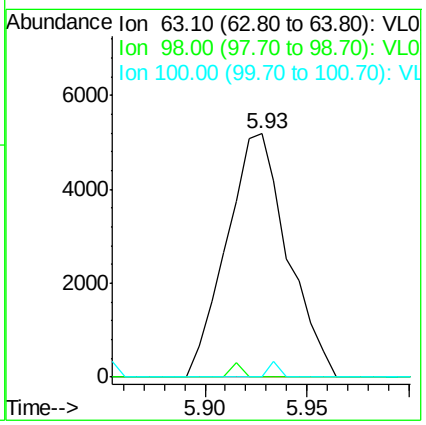


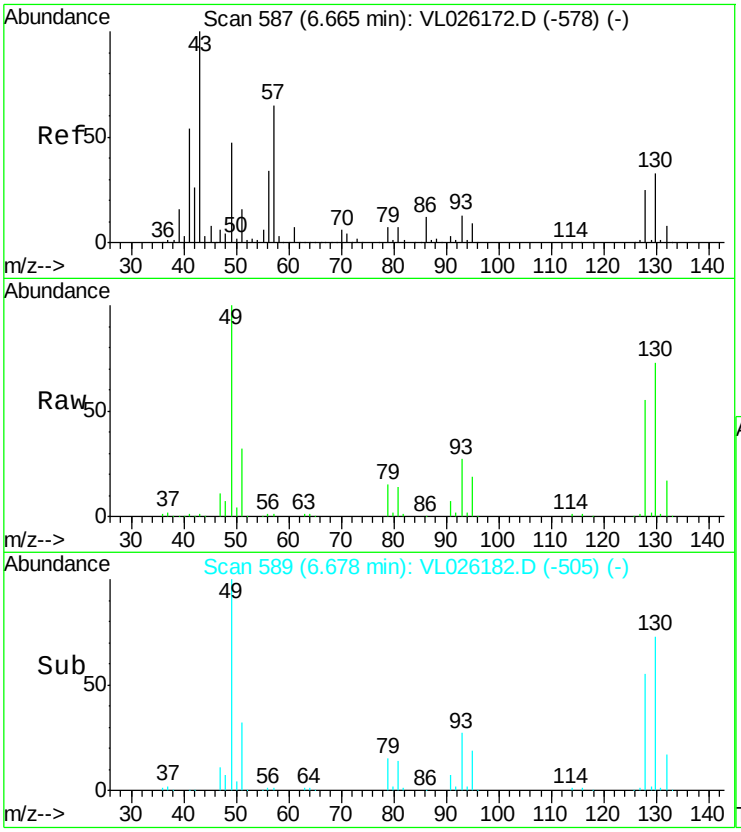


#24
1,1-Dichloroethane
Concen: 0.07 ppbv
RT: 5.93 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 63 Resp: 10740

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.7#
100	0.0	1.8	5.5#



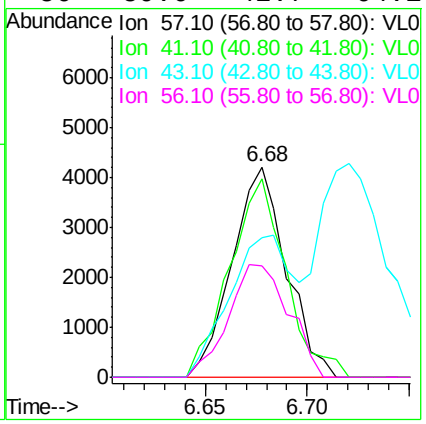


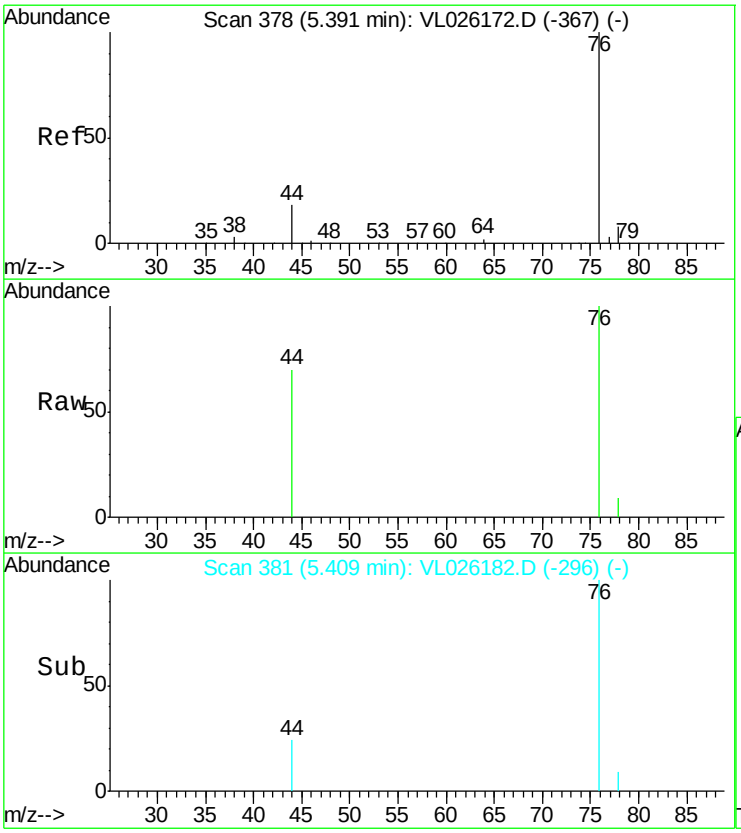
#26
Hexane
Concen: 0.07 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 7774

Ion	Ratio	Lower	Upper
57	100		
41	98.3	68.0	102.0
43	223.6	164.4	246.6
56	59.6	42.7	64.1

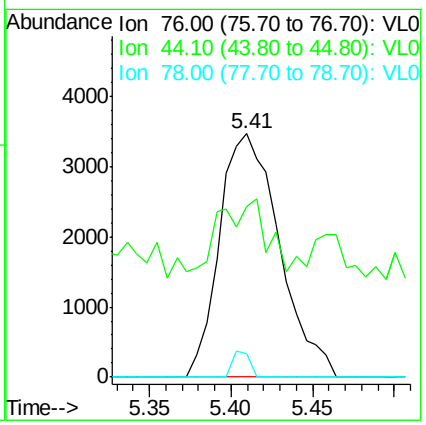


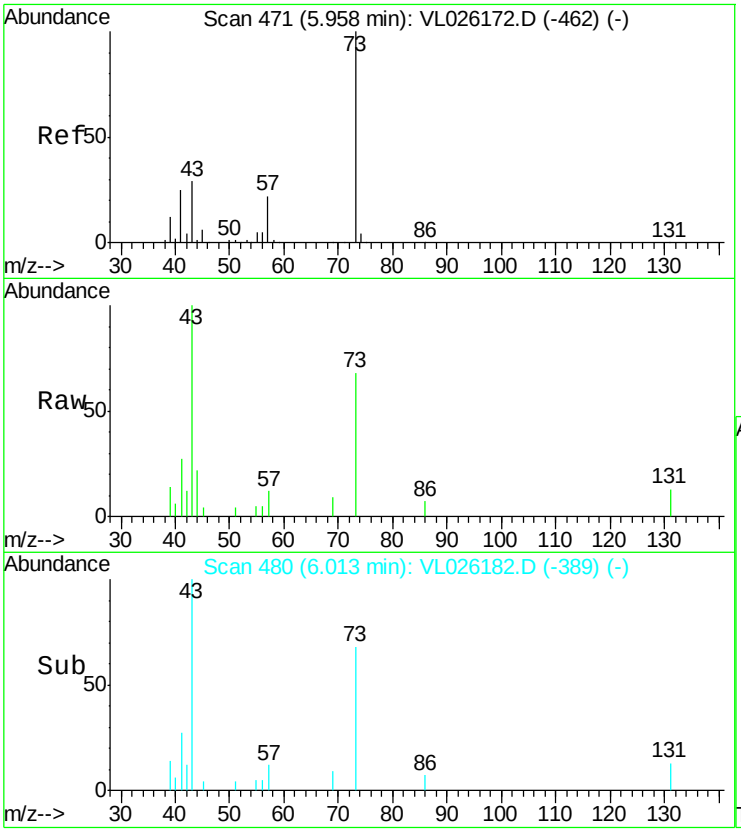


#27
Carbon Disulfide
Concen: 0.07 ppbv
RT: 5.41 min Scan# 381
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 76 Resp: 8860

Ion	Ratio	Lower	Upper
76	100		
44	71.2	14.2	21.4#
78	2.9	7.5	11.3#



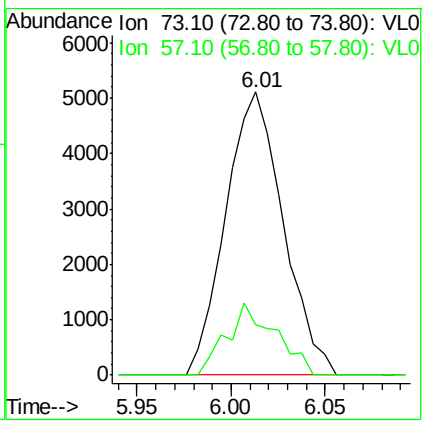


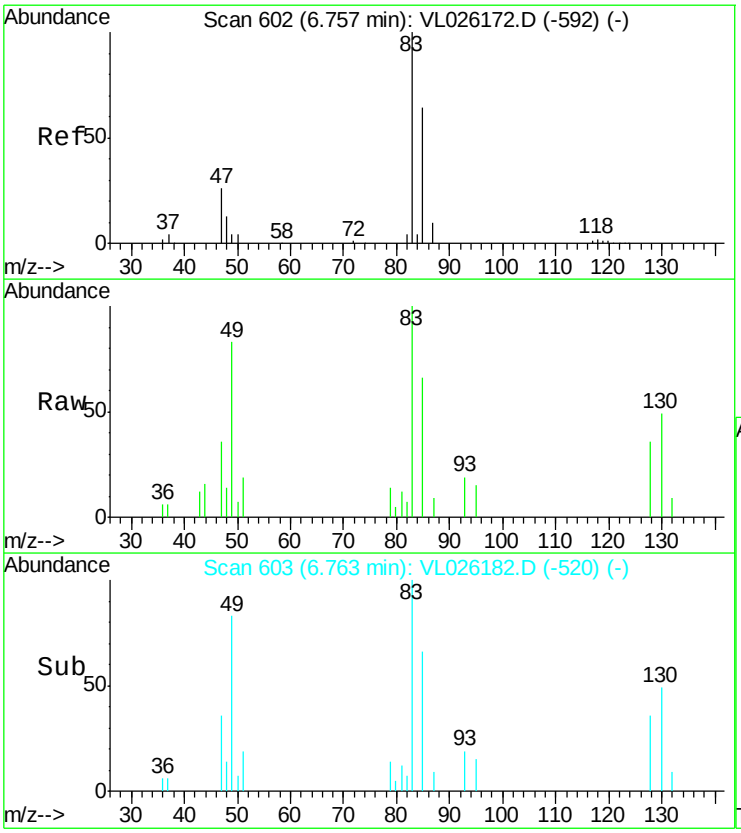
#28
Methyl tert-Butyl Ether
Concen: 0.06 ppbv
RT: 6.01 min Scan# 480
Delta R.T. 0.05 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 10836

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.8	26.6

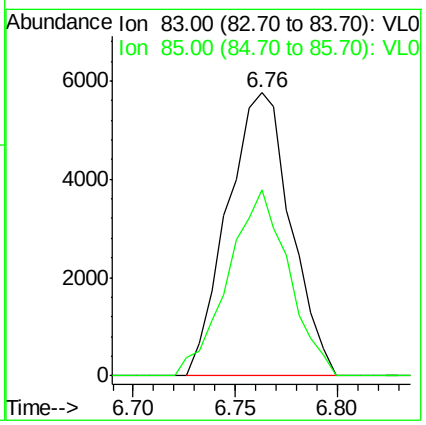


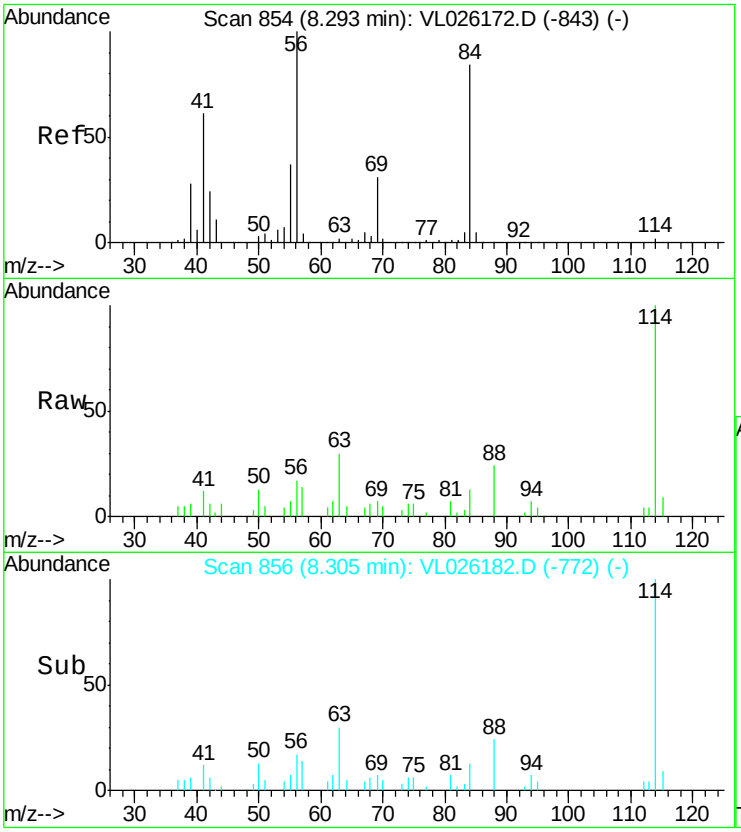


#29
Chloroform
Concen: 0.08 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 83 Resp: 12443

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3



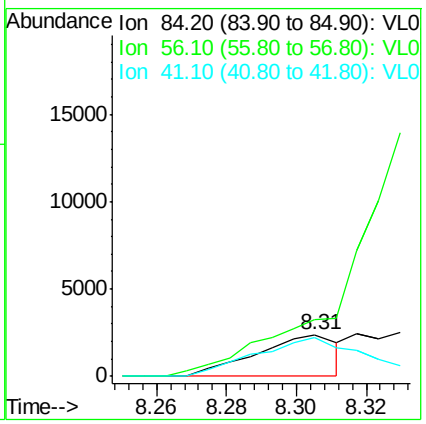


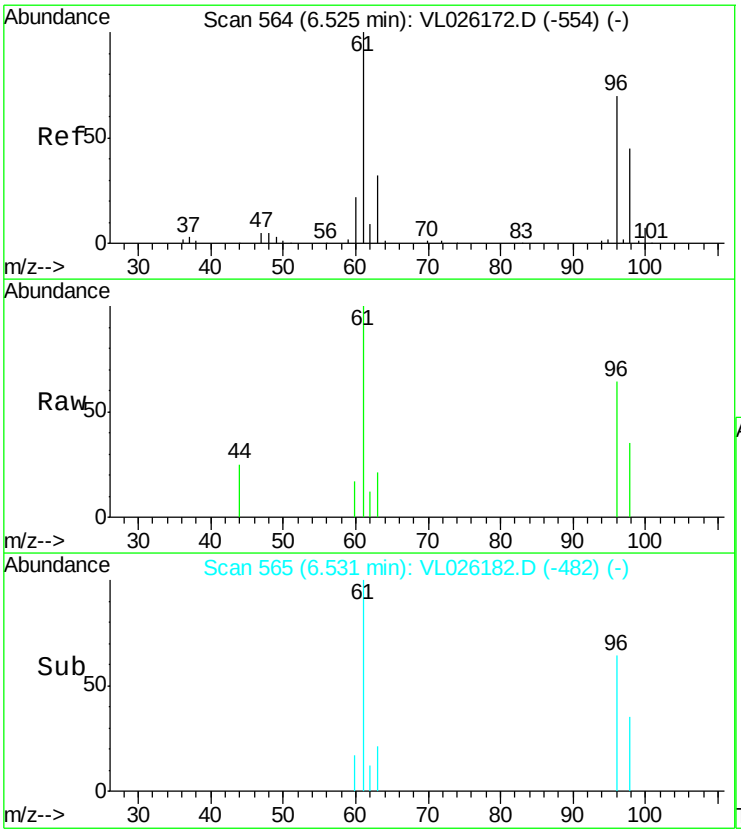
#30
Cyclohexane
Concen: 0.04 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3845

Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.8	149.8#
41	128.5	58.1	87.1#

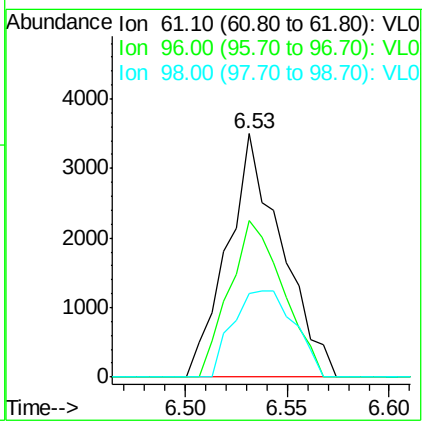


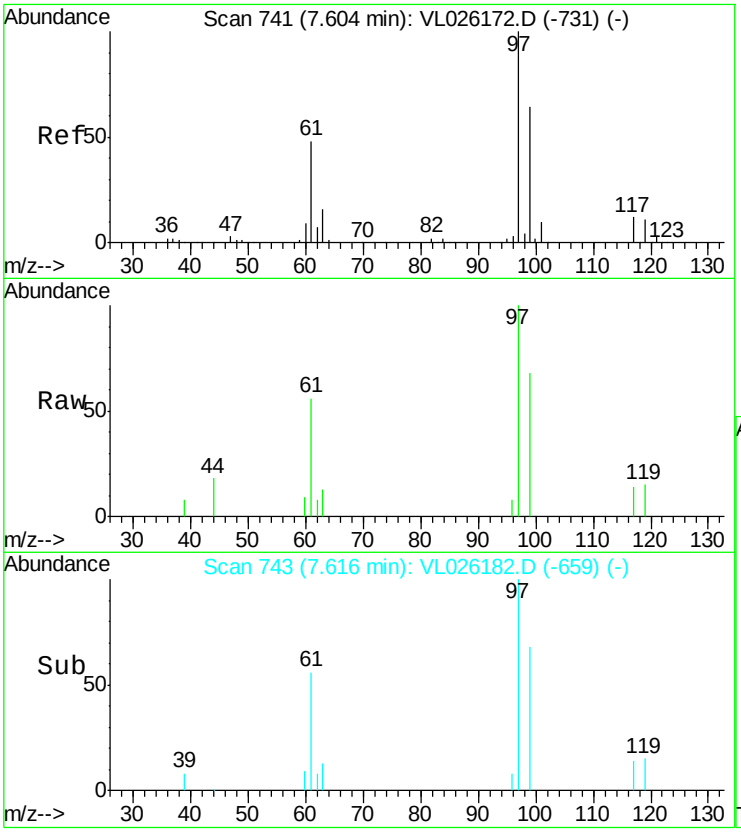


#31
cis-1,2-Dichloroethene
Concen: 0.06 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 61 Resp: 6494

Ion	Ratio	Lower	Upper
61	100		
96	64.2	55.8	83.8
98	34.6	35.8	53.6#



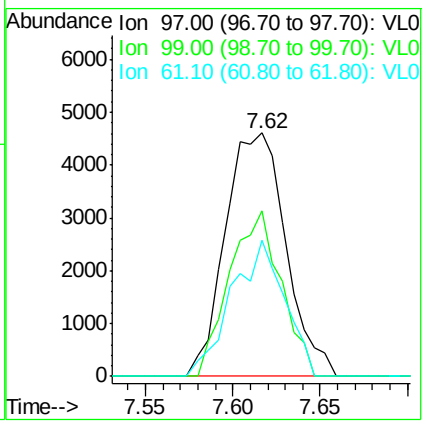


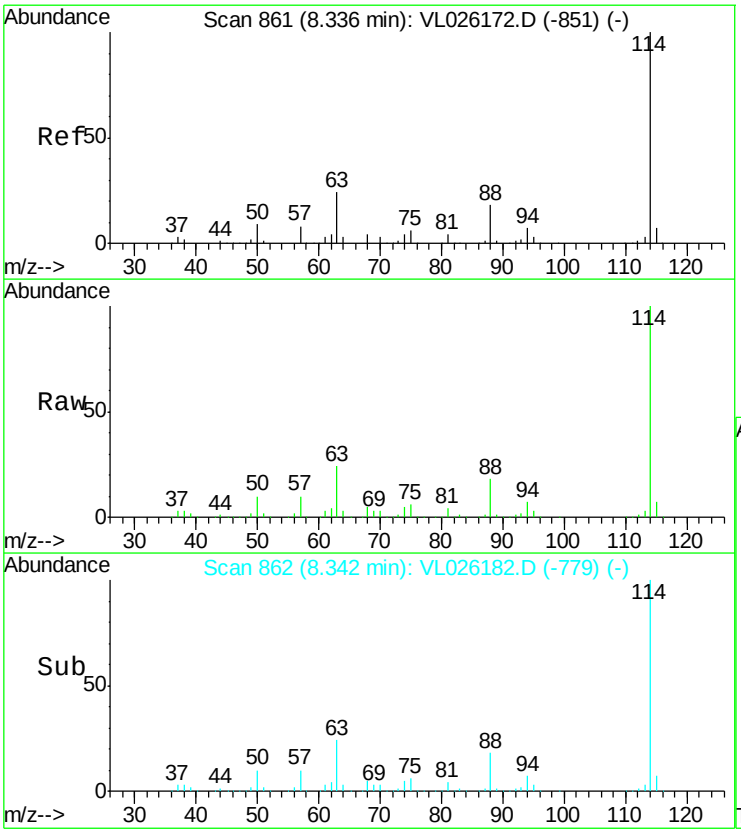
#32
1,1,1-Trichloroethane
Concen: 0.07 ppbv
RT: 7.62 min Scan# 743
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 11107

Ion	Ratio	Lower	Upper
97	100		
99	57.9	51.3	76.9
61	49.0	38.7	58.1

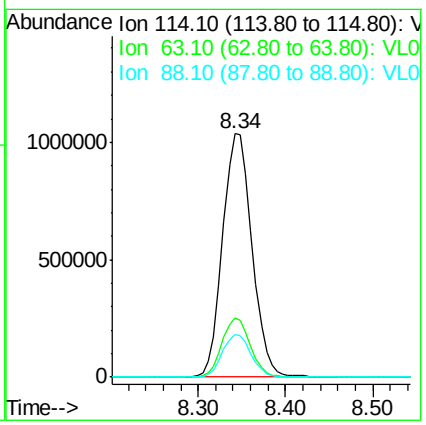


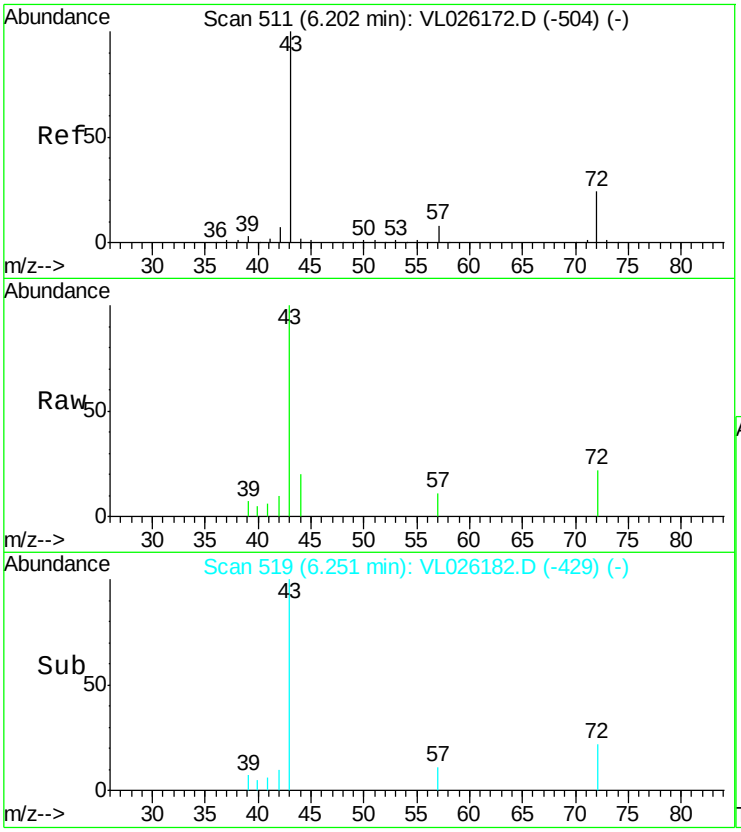


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:114 Resp: 2422706

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.0	28.6
88	17.3	13.8	20.8



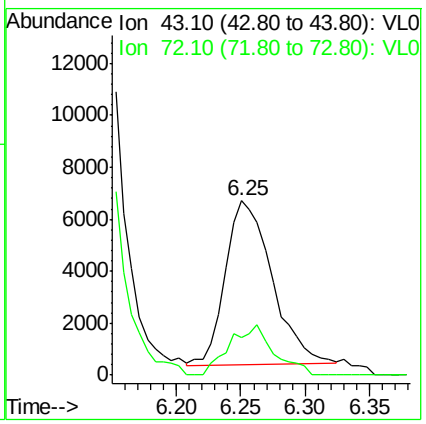


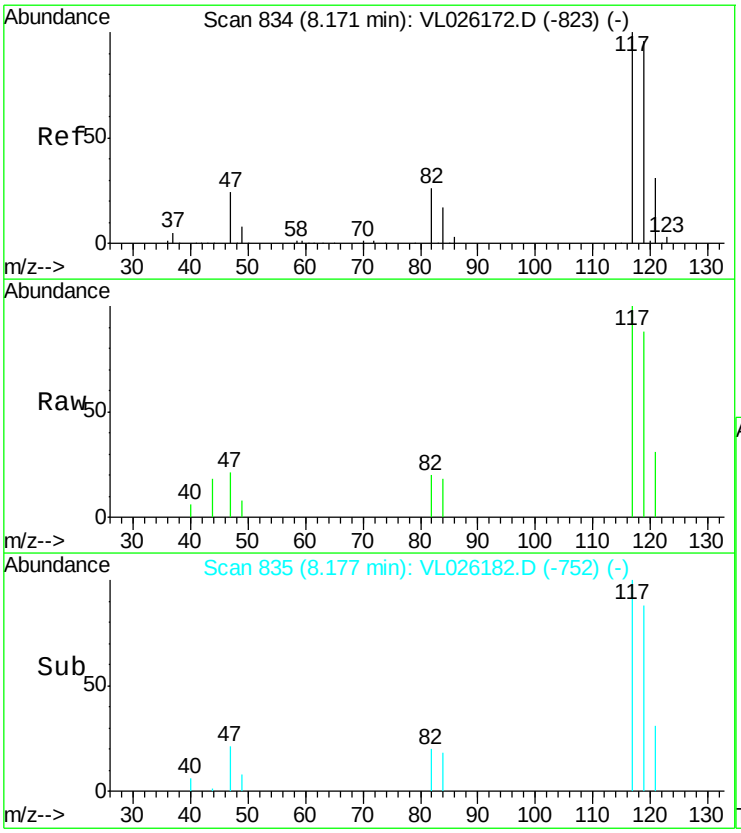
#34
2-Butanone
Concen: 0.12 ppbv
RT: 6.25 min Scan# 519
Delta R.T. 0.05 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 16043

Ion	Ratio	Lower	Upper
43	100		
72	28.9	19.6	29.4

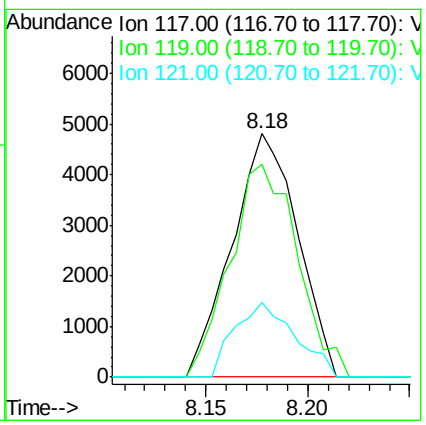


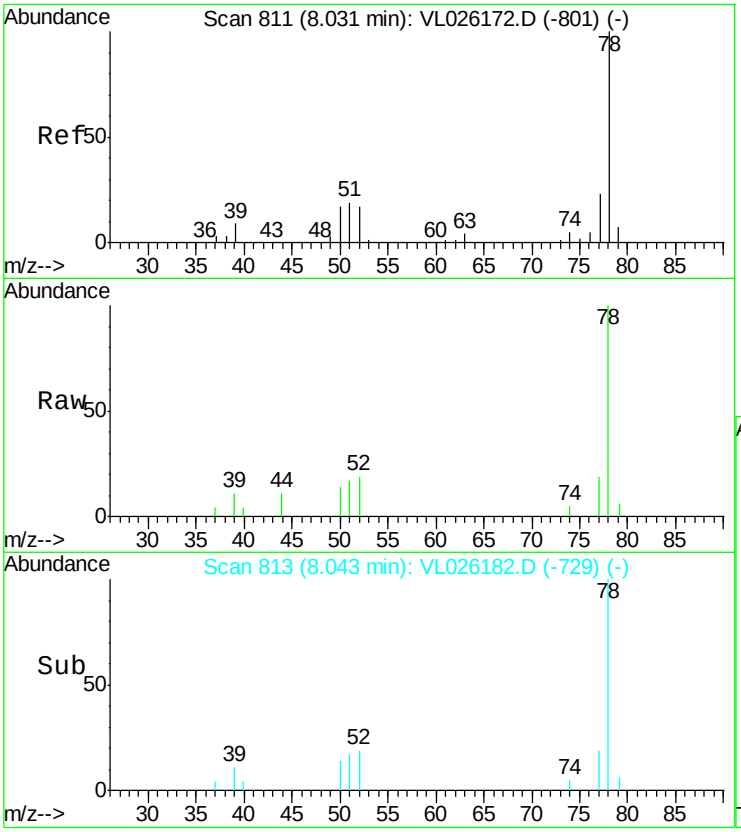


#35
Carbon Tetrachloride
Concen: 0.07 ppbv
RT: 8.18 min Scan# 835
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:117 Resp: 10763

Ion	Ratio	Lower	Upper
117	100		
119	87.5	76.6	115.0
121	30.9	25.0	37.4



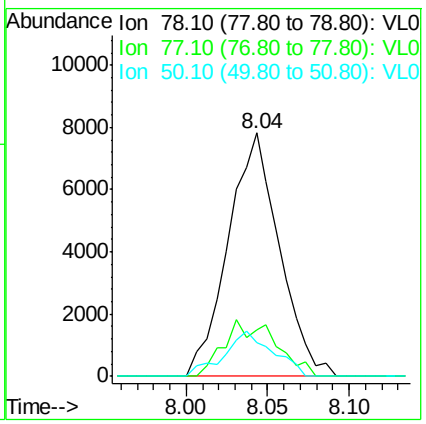


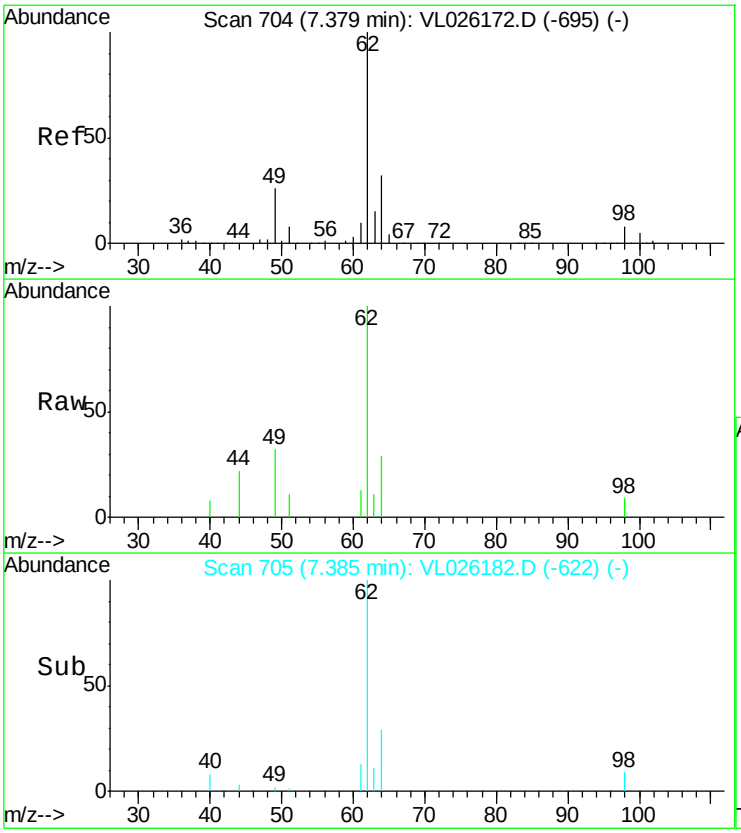
#36
Benzene
Concen: 0.07 ppbv
RT: 8.04 min Scan# 813
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 17109

Ion	Ratio	Lower	Upper
78	100		
77	19.1	18.2	27.4
50	14.1	13.4	20.2

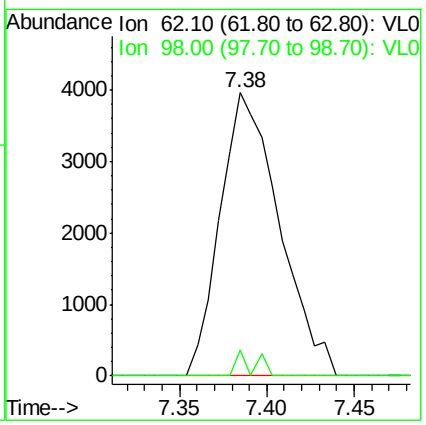


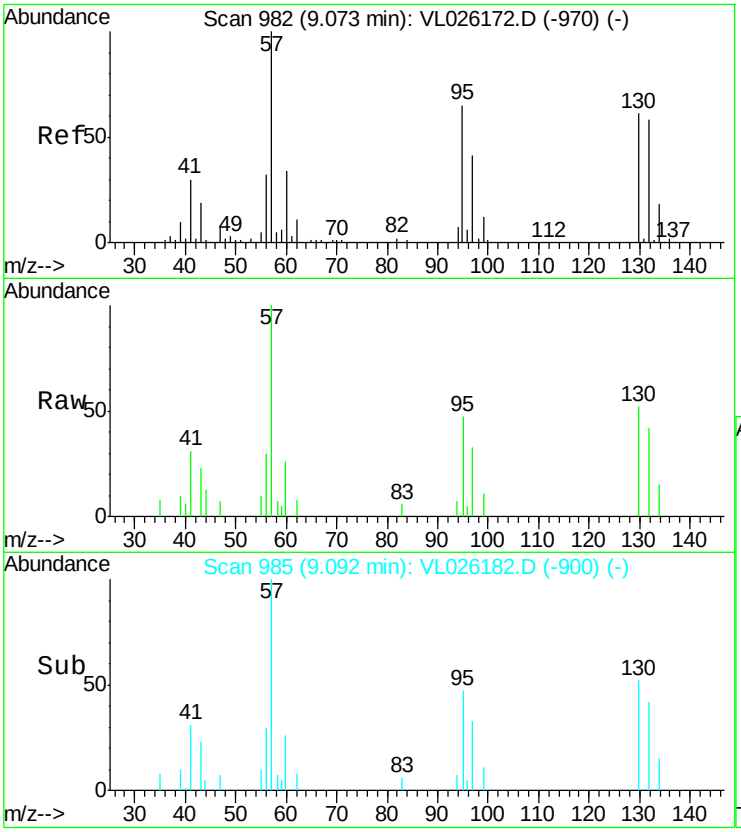


#37
1,2-Dichloroethane
Concen: 0.08 ppbv
RT: 7.38 min Scan# 705
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 62 Resp: 9348

Ion	Ratio	Lower	Upper
62	100		
98	2.6	6.2	9.2#



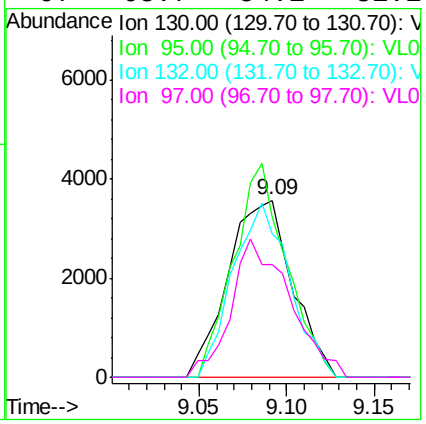


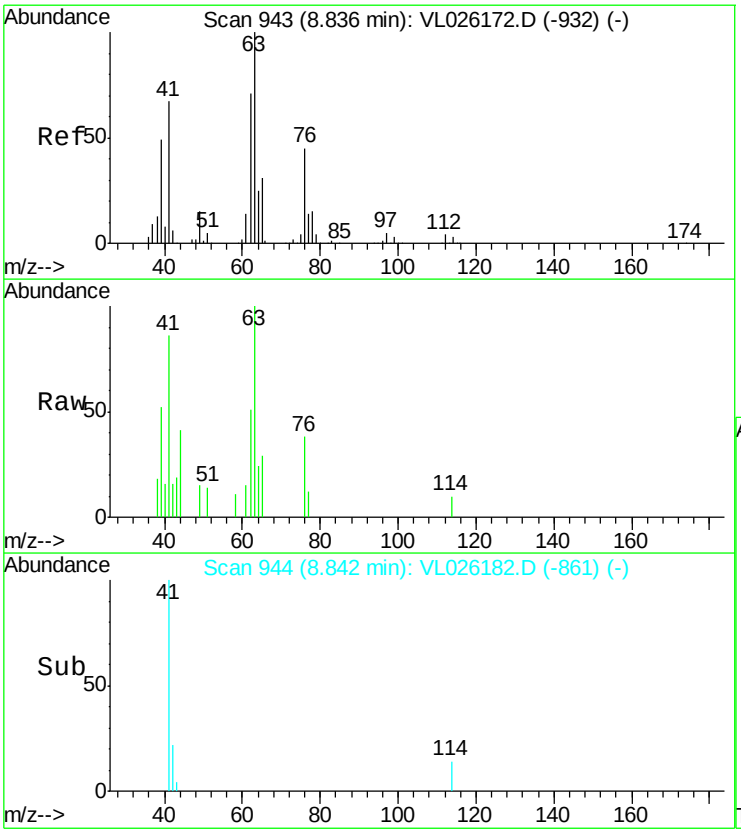
#38
Trichloroethene
Concen: 0.09 ppbv
RT: 9.09 min Scan# 985
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 9189

Ion	Ratio	Lower	Upper
130	100		
95	90.4	84.9	127.3
132	80.7	76.8	115.2
97	63.7	54.1	81.1

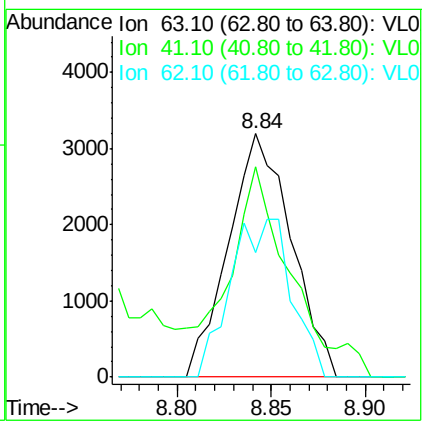


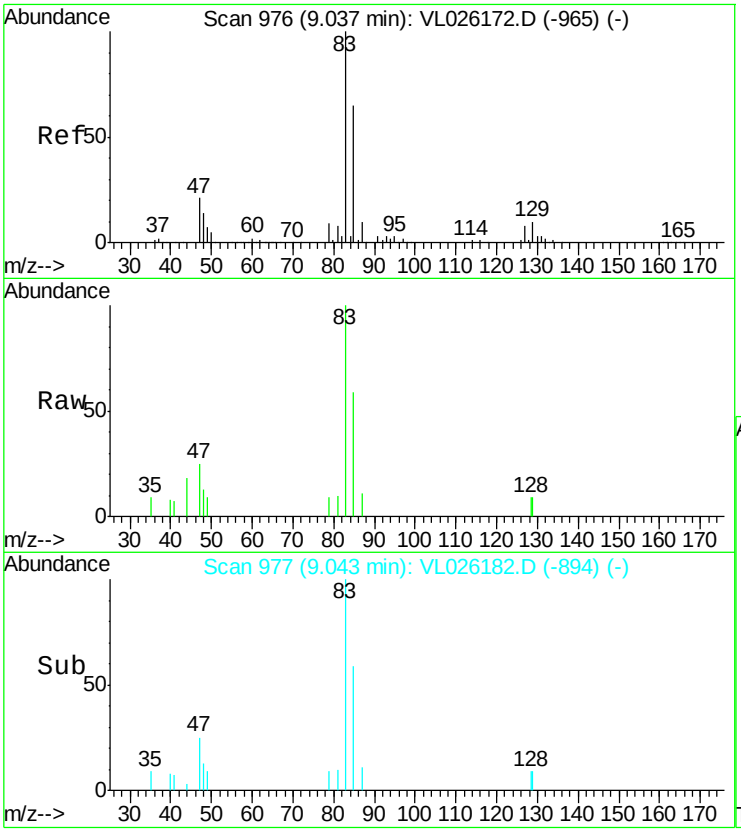


#39
1,2-Dichloropropane
Concen: 0.09 ppbv
RT: 8.84 min Scan# 944
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 63 Resp: 7374

Ion	Ratio	Lower	Upper
63	100		
41	74.9	53.9	80.9
62	51.0	57.1	85.7#



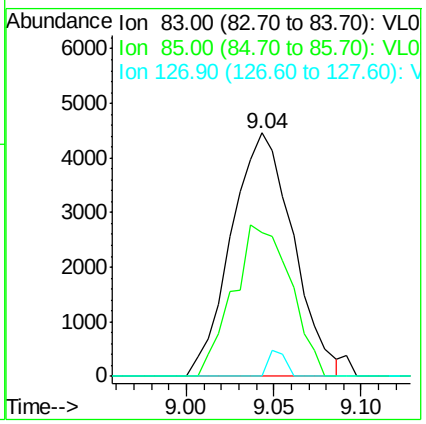


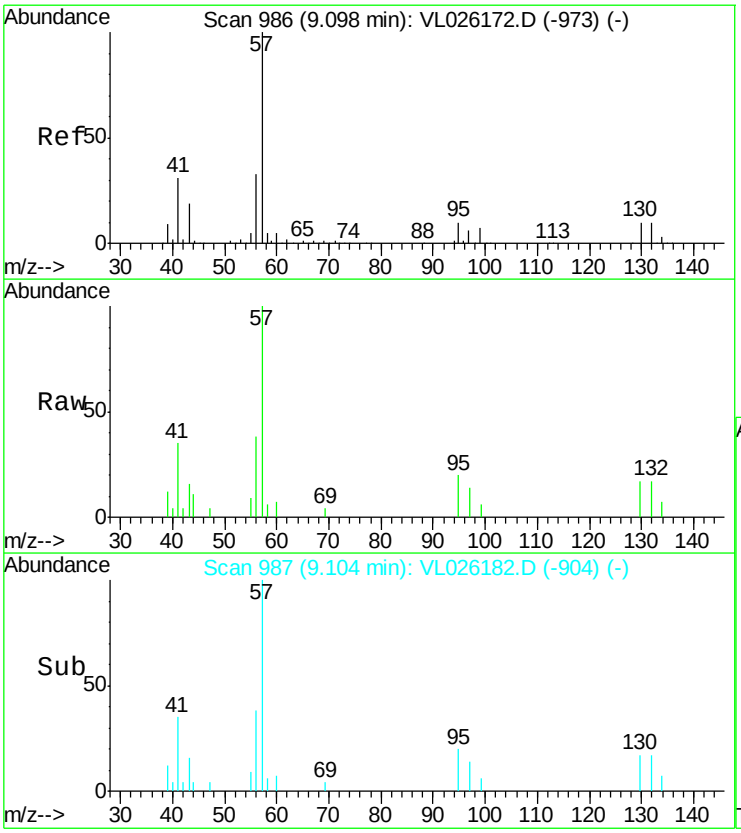
#42
Bromodichloromethane
Concen: 0.07 ppbv
RT: 9.04 min Scan# 977
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 10978

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.9	77.9
127	0.0	6.2	9.4#

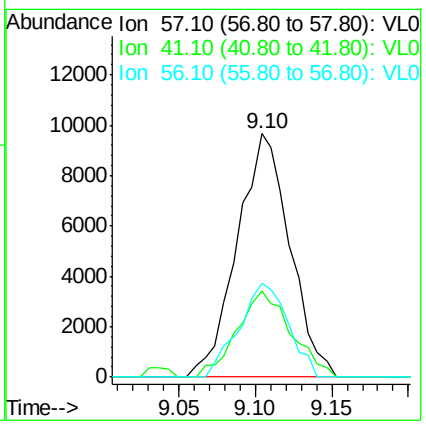


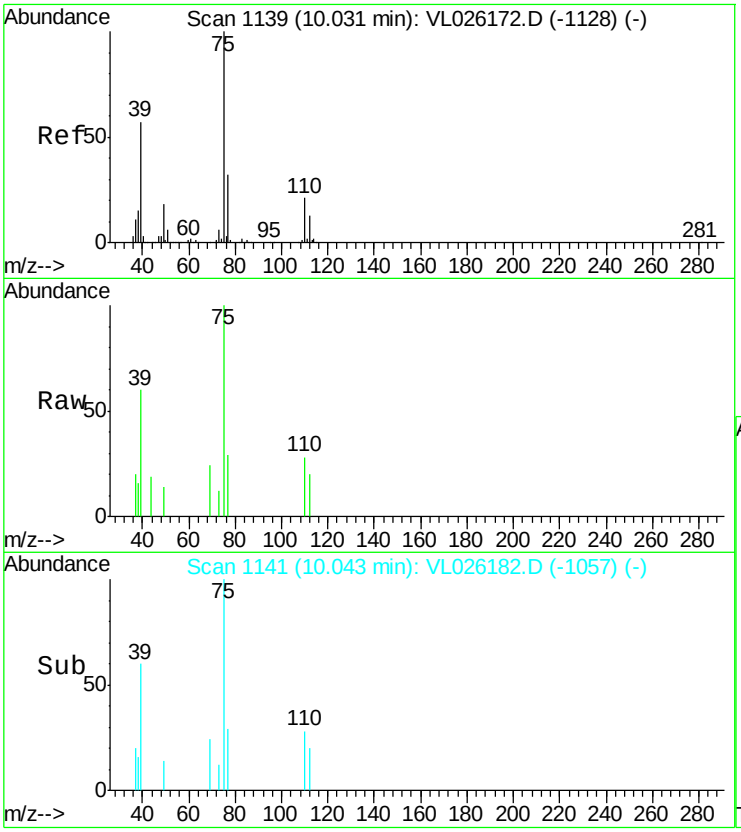


#44
2,2,4-Trimethylpentane
Concen: 0.06 ppbv
RT: 9.10 min Scan# 987
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 57 Resp: 23125

Ion	Ratio	Lower	Upper
57	100		
41	37.9	23.7	35.5#
56	35.9	26.4	39.6



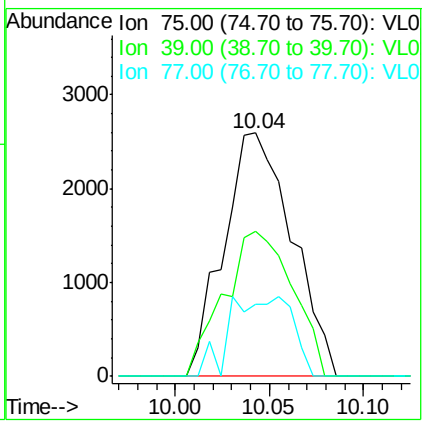


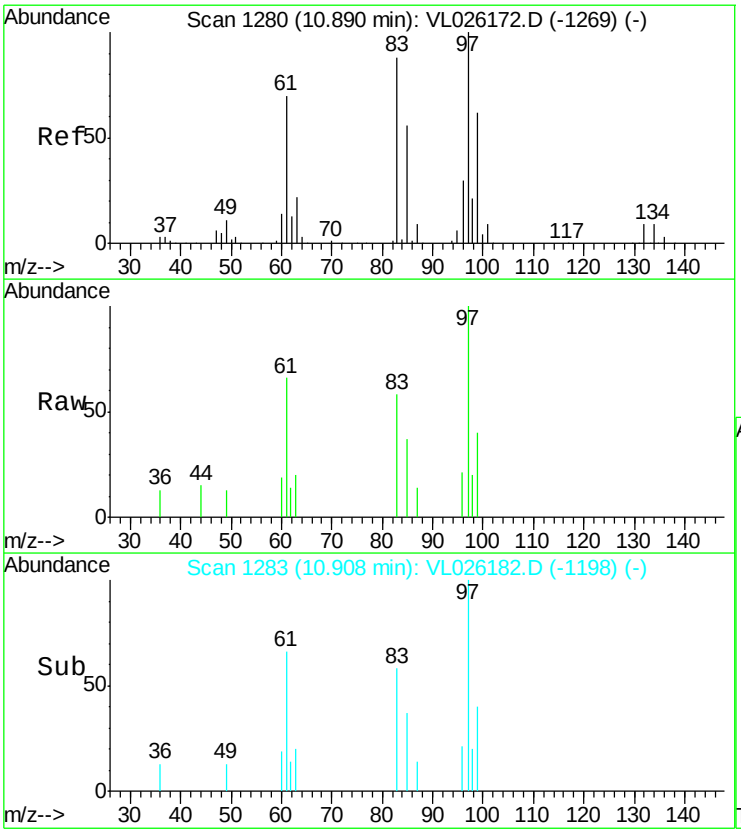
#46
cis-1,3-Dichloropropene
Concen: 0.05 ppbv
RT: 10.04 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 6522

Ion	Ratio	Lower	Upper
75	100		
39	59.8	45.4	68.2
77	29.5	25.4	38.2

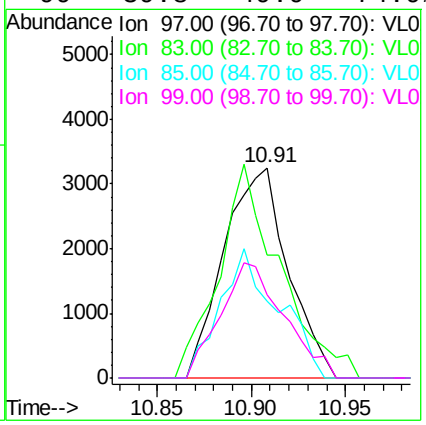


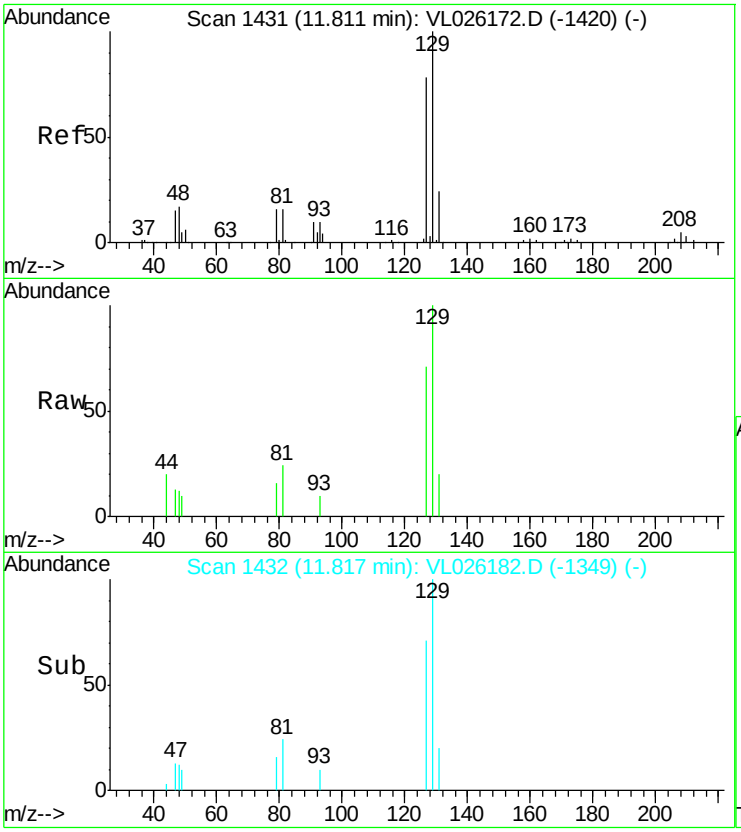


#47
1,1,2-Trichloroethane
Concen: 0.07 ppbv
RT: 10.91 min Scan# 1283
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 97 Resp: 7677

Ion	Ratio	Lower	Upper
97	100		
83	48.8	70.6	106.0#
85	36.7	45.1	67.7#
99	39.8	49.9	74.9#



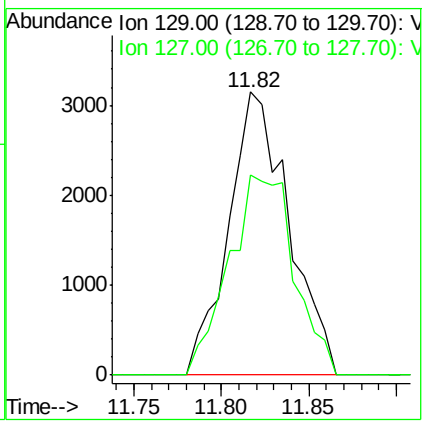


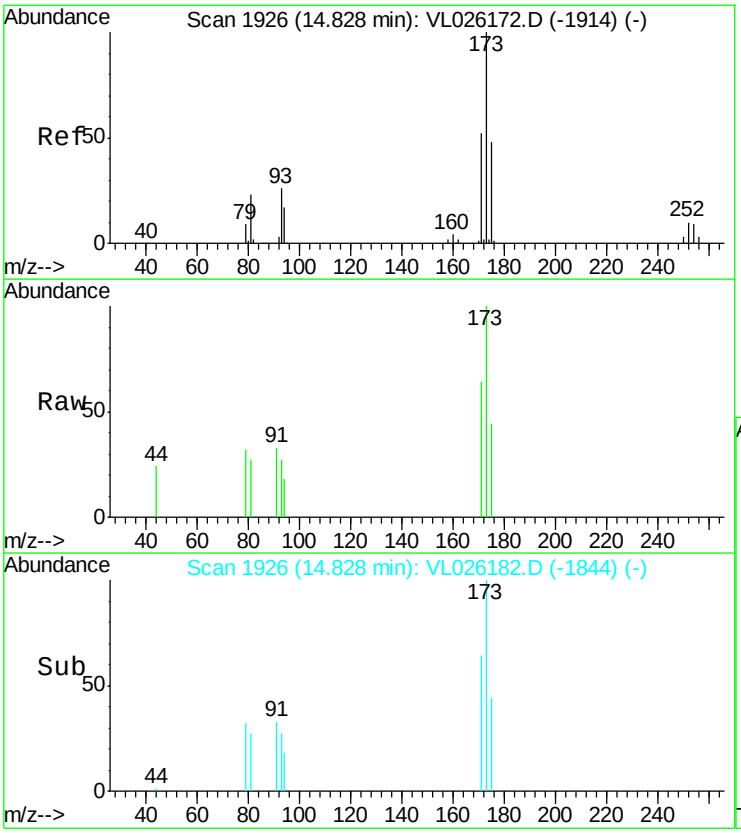
#48
Dibromochloromethane
Concen: 0.05 ppbv
RT: 11.82 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 7575

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.0	117.0

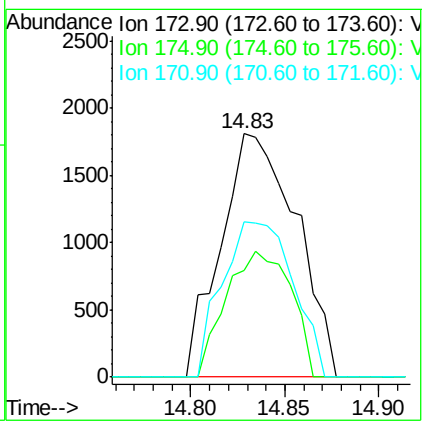


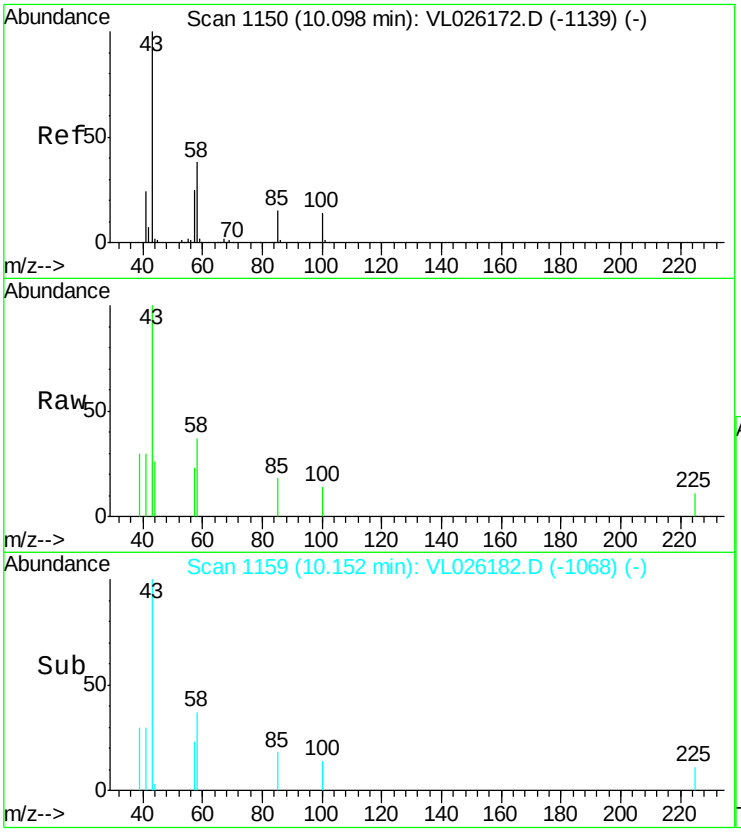


#49
Bromoform
Concen: 0.05 ppbv
RT: 14.83 min Scan# 1926
Delta R.T. -0.00 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:173 Resp: 5025

Ion	Ratio	Lower	Upper
173	100		
175	44.6	39.0	58.6
171	59.7	41.9	62.9



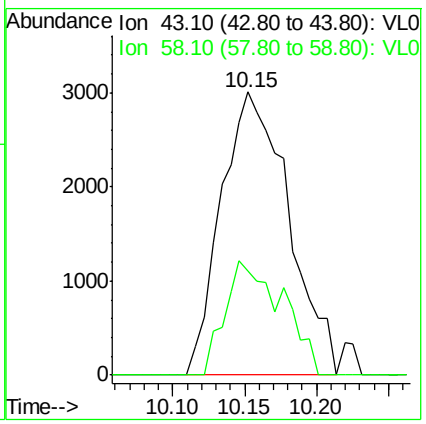


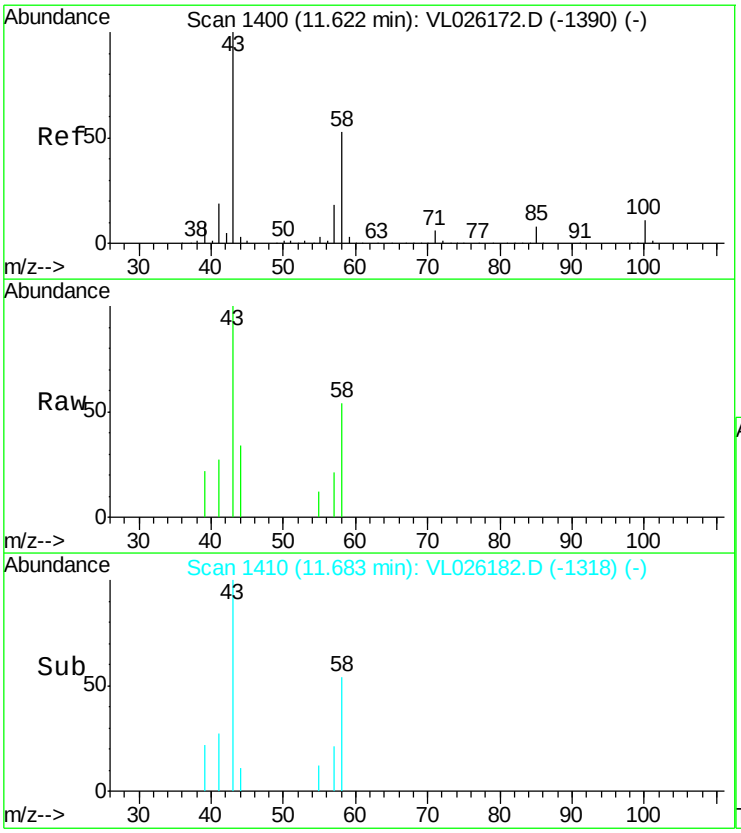
#50
4-Methyl-2-Pentanone
Concen: 0.05 ppbv
RT: 10.15 min Scan# 1159
Delta R.T. 0.05 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9797

Ion	Ratio	Lower	Upper
43	100		
58	34.5	30.4	45.6

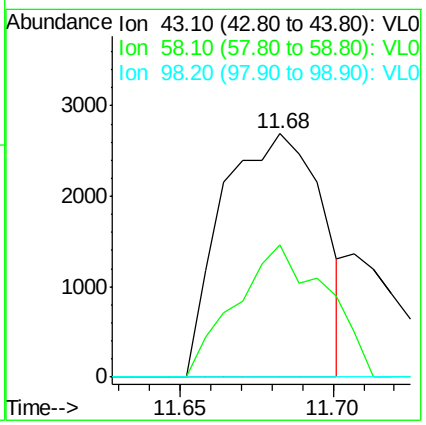


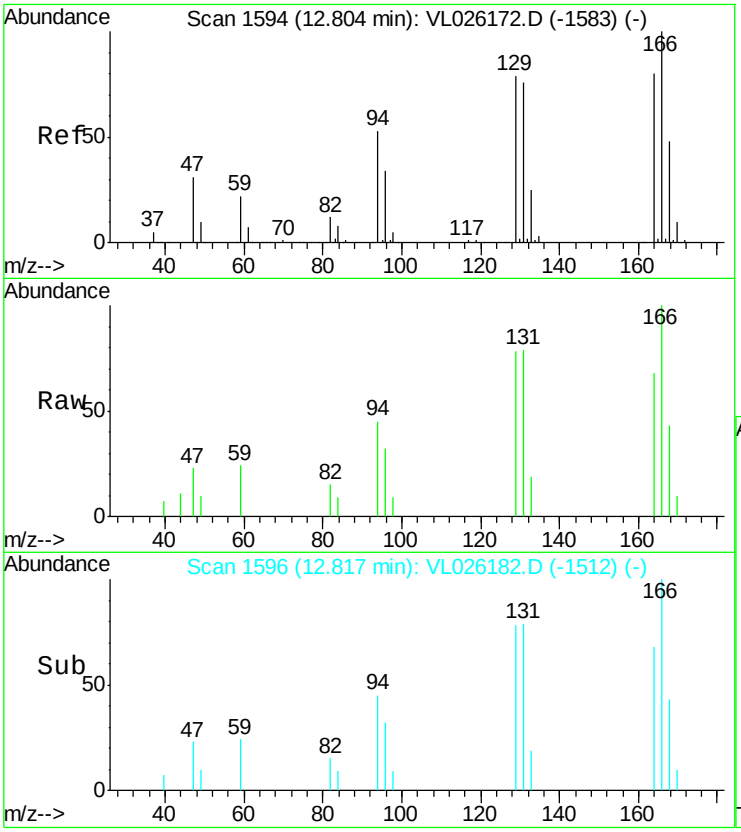


#51
2-Hexanone
Concen: 0.04 ppbv
RT: 11.68 min Scan# 1410
Delta R.T. 0.06 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 43 Resp: 6128

Ion	Ratio	Lower	Upper
43	100		
58	49.2	42.2	63.4
98	0.0	0.2	0.2#



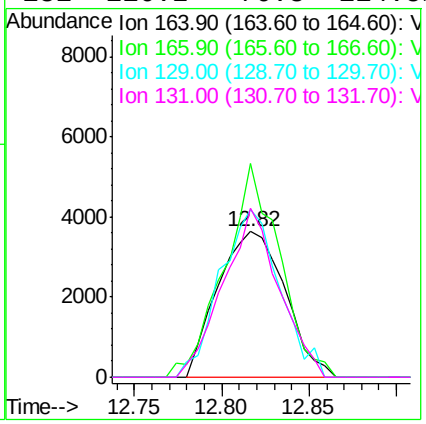


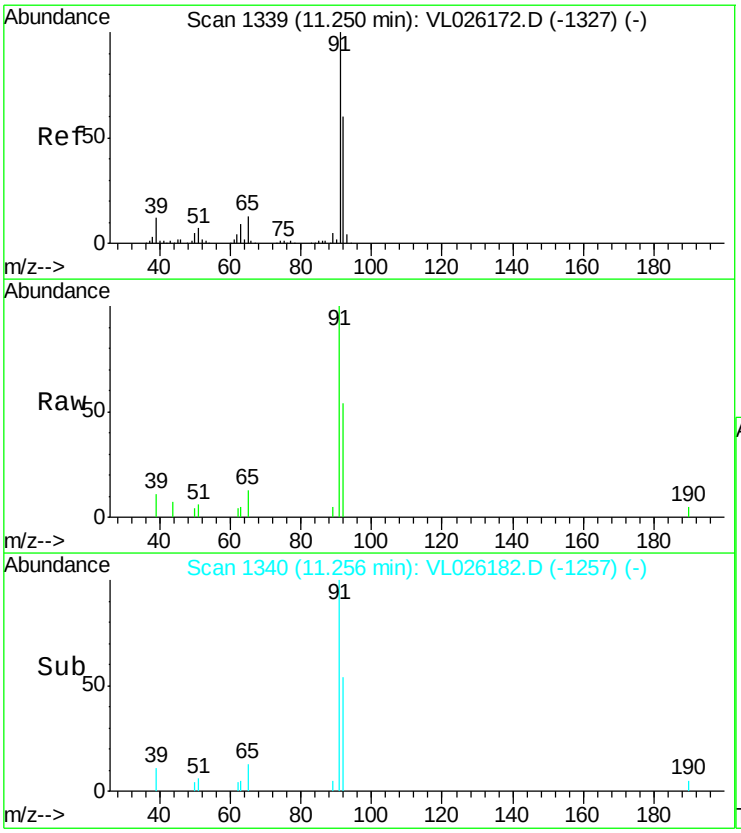
#52
Tetrachloroethene
Concen: 0.09 ppbv
RT: 12.82 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 9730

Ion	Ratio	Lower	Upper
164	100		
166	146.4	99.9	149.9
129	114.6	79.1	118.7
131	116.2	76.3	114.5#

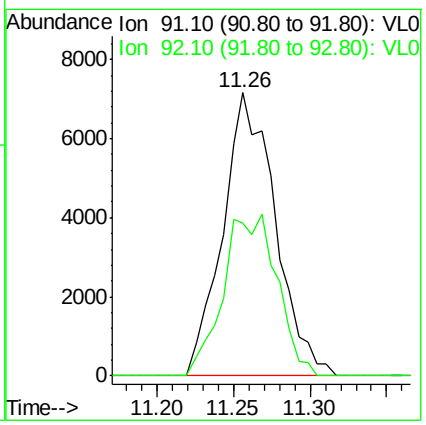


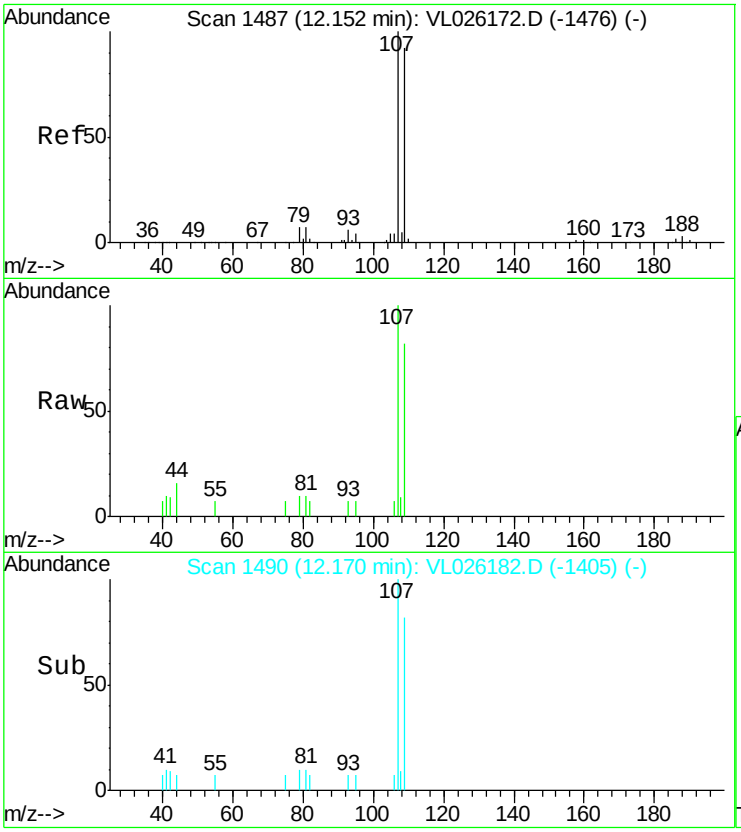


#53
Toluene
Concen: 0.06 ppbv
RT: 11.26 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 91 Resp: 17056

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.5	72.7



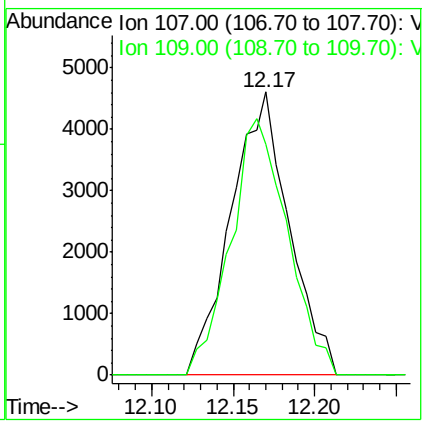


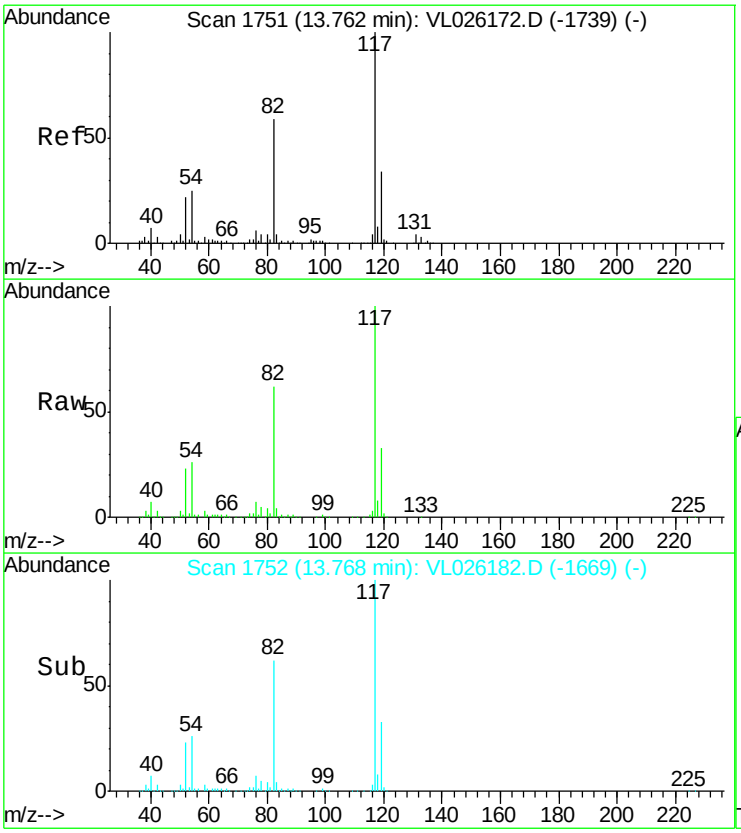
#54
1,2-Dibromoethane
Concen: 0.07 ppbv
RT: 12.17 min Scan# 1490
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 11398

Ion	Ratio	Lower	Upper
107	100		
109	81.7	73.2	109.8

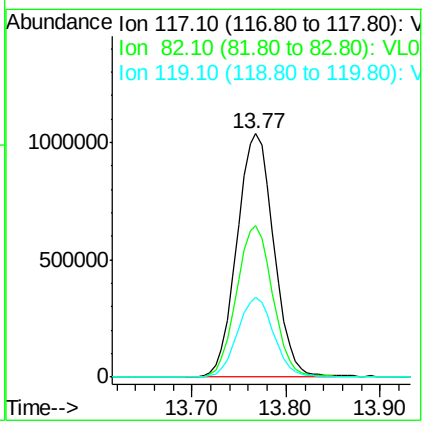


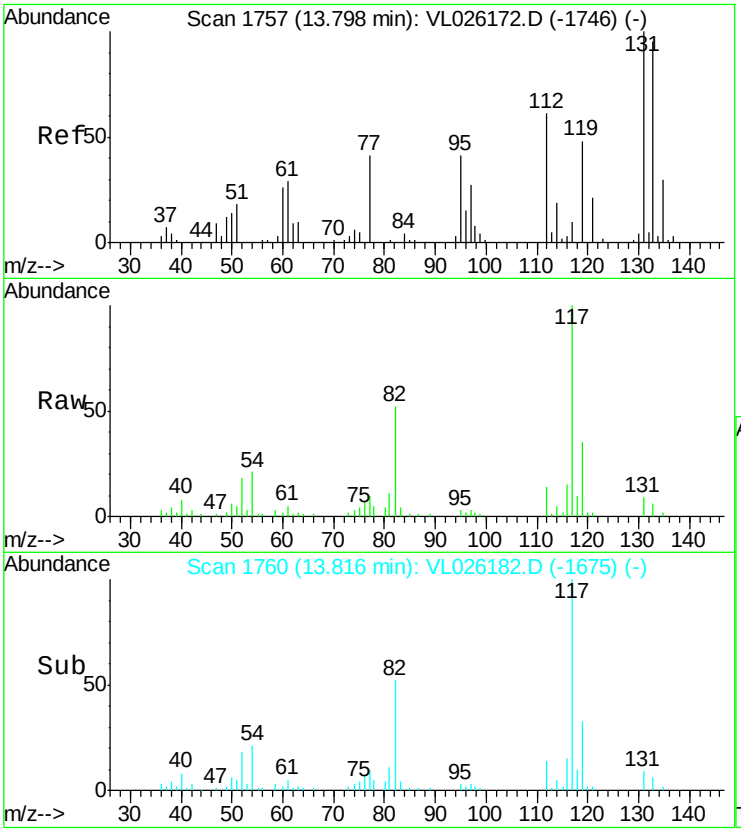


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:117 Resp: 2840956

Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.7	71.5
119	32.6	43.7	65.5#



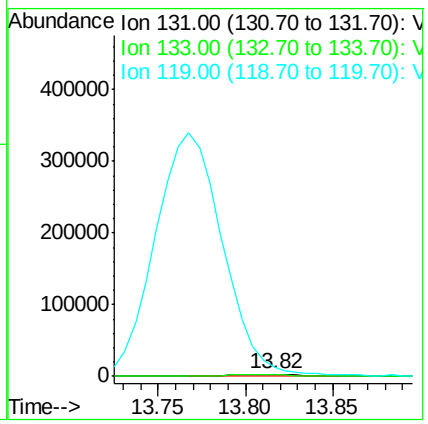


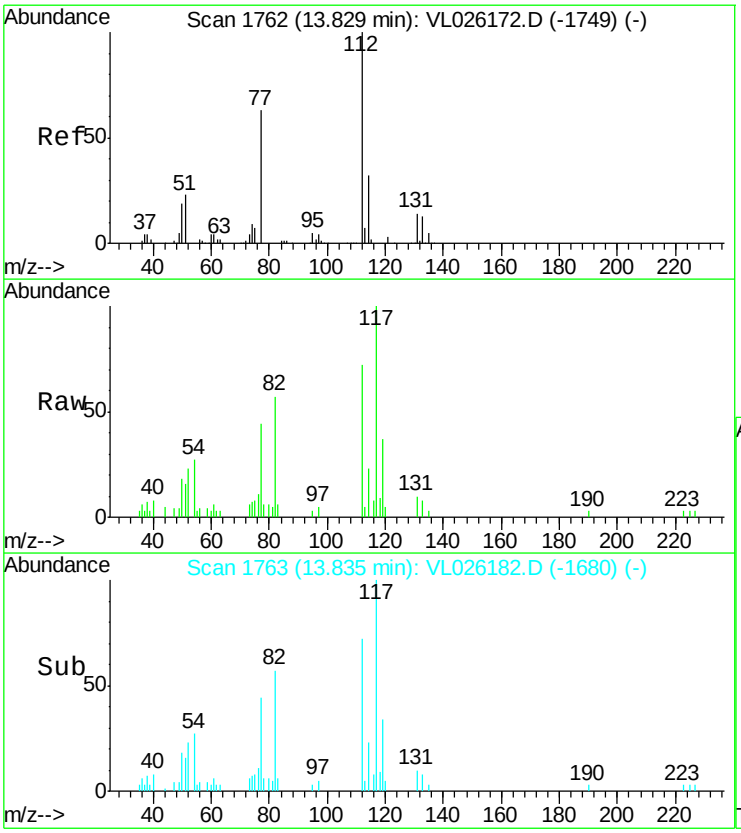
#56
1,1,1,2-Tetrachloroethane
Concen: 0.07 ppbv
RT: 13.82 min Scan# 1760
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 7876

Ion	Ratio	Lower	Upper
131	100		
133	92.1	76.5	114.7
119	11721.6	116.0	174.0#

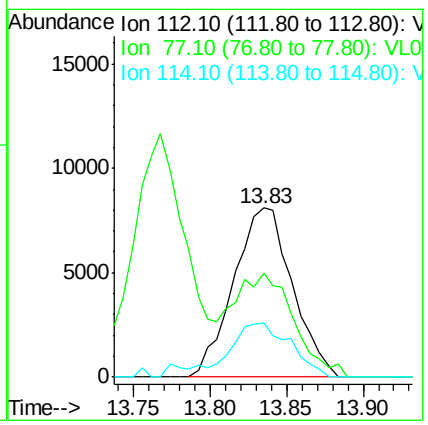


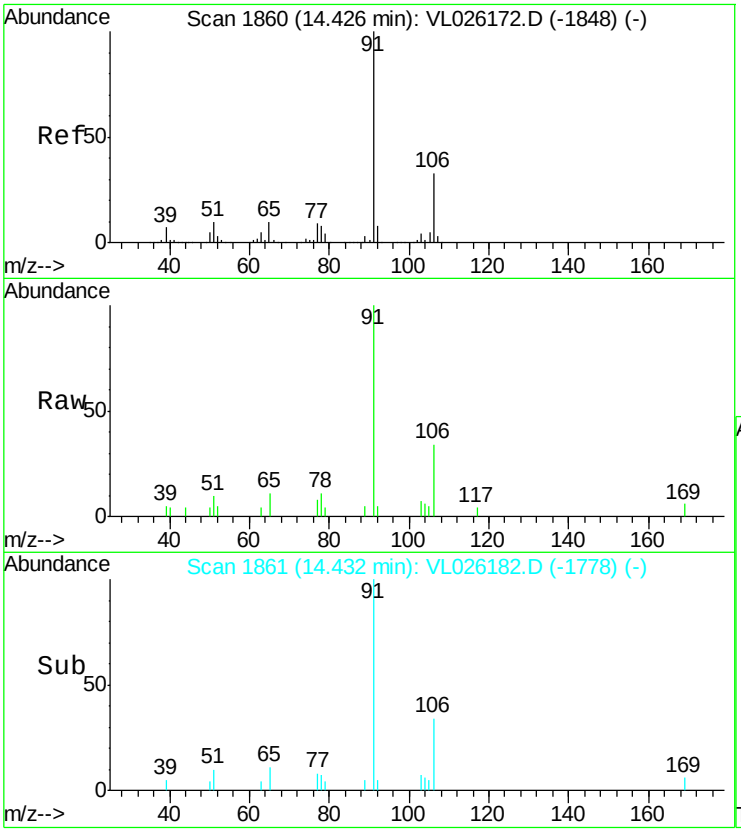


#57
Chlorobenzene
Concen: 0.08 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:112 Resp: 21588

Ion	Ratio	Lower	Upper
112	100		
77	53.7	51.0	76.4
114	32.1	29.0	35.4



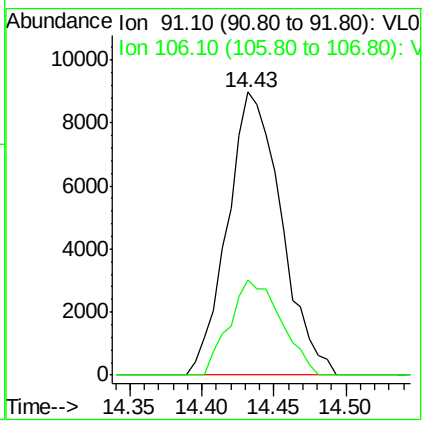


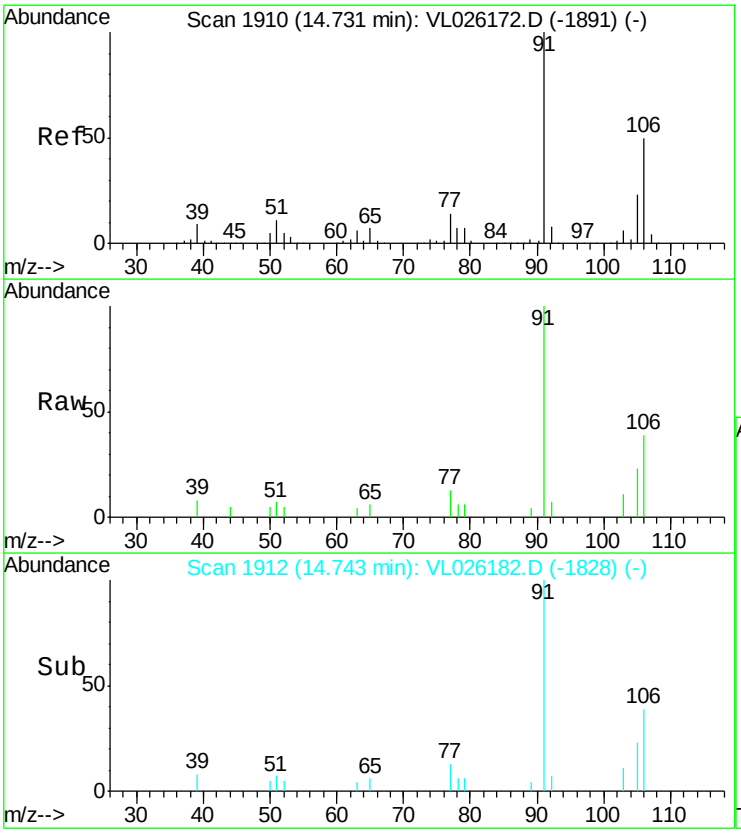
#58
Ethyl Benzene
Concen: 0.06 ppbv
RT: 14.43 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 23289

Ion	Ratio	Lower	Upper
91	100		
106	33.7	26.1	39.1

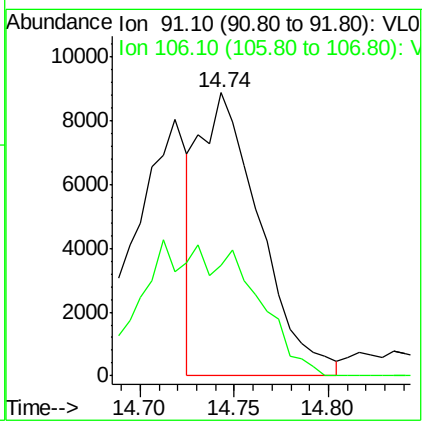


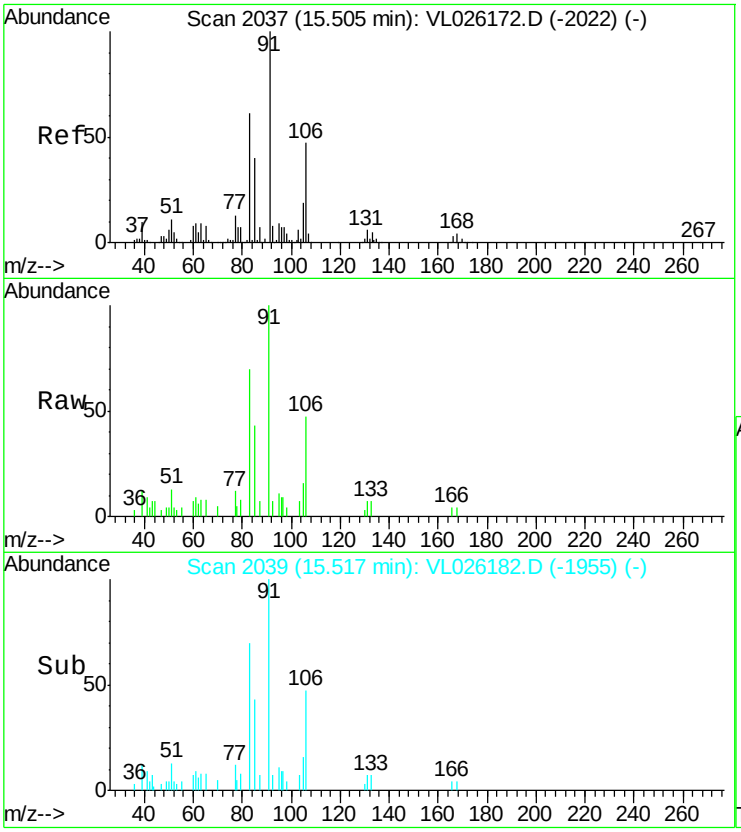


#59
m/p-Xylene
Concen: 0.06 ppbv
RT: 14.74 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 91 Resp: 19954

Ion	Ratio	Lower	Upper
91	100		
106	0.0	40.2	60.4#



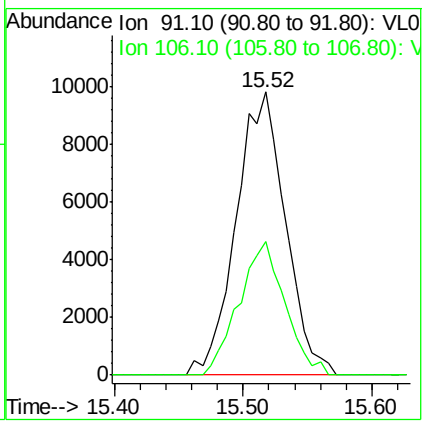


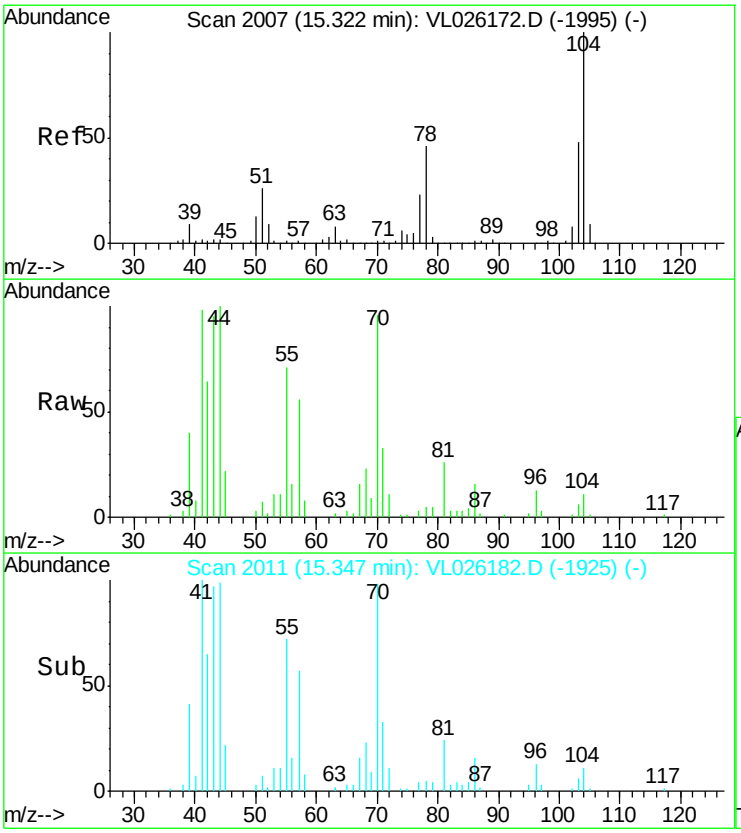
#60
o-Xylene
Concen: 0.07 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 26025

Ion	Ratio	Lower	Upper
91	100		
106	43.9	23.4	70.3

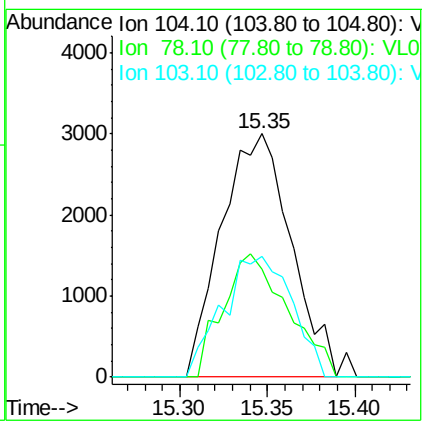


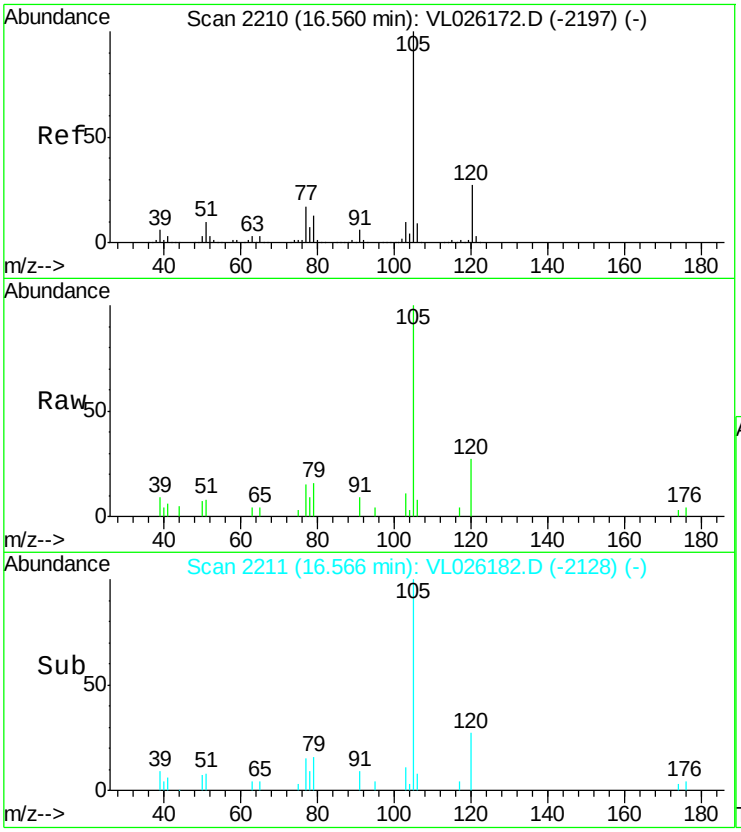


#61
Styrene
Concen: 0.06 ppbv
RT: 15.35 min Scan# 2011
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:104 Resp: 8309

Ion	Ratio	Lower	Upper
104	100		
78	47.2	36.1	54.1
103	49.4	37.5	56.3



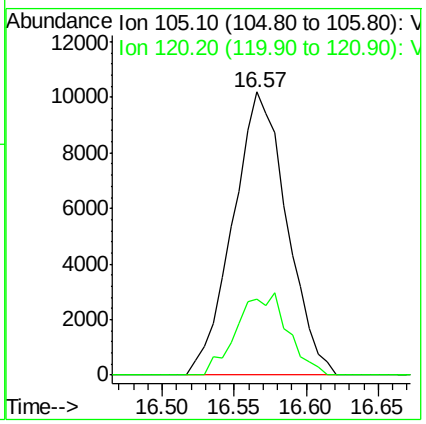


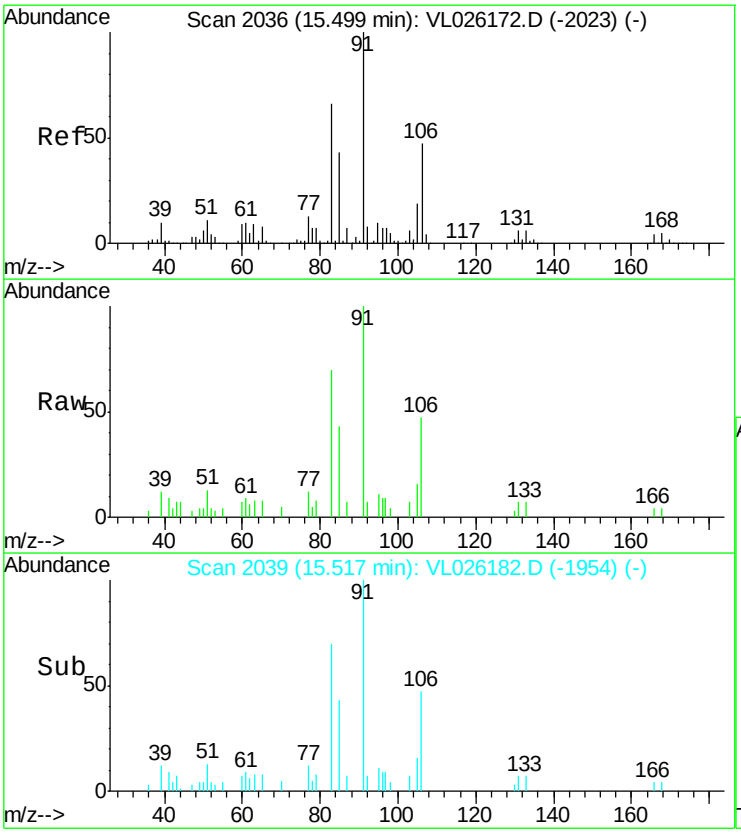
#62
Isopropylbenzene
Concen: 0.06 ppbv
RT: 16.57 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 26558

Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.8	32.6

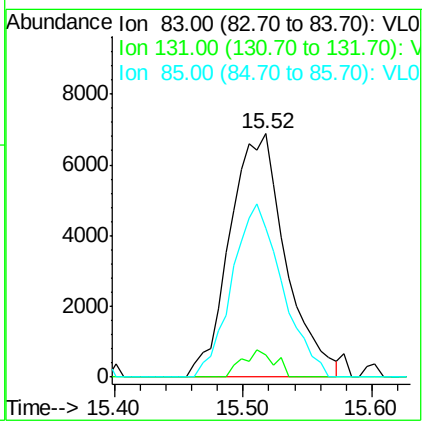


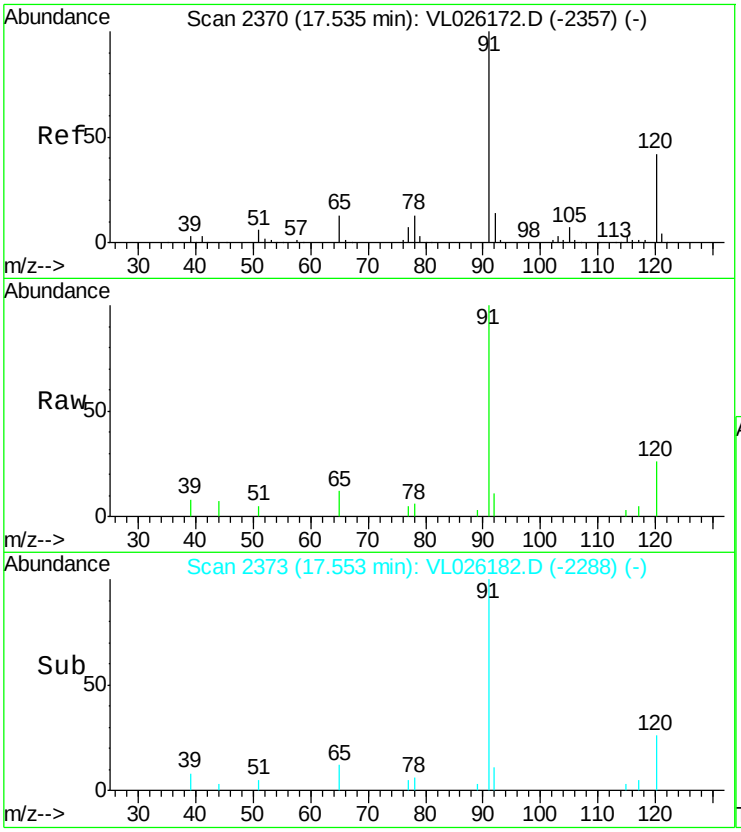


#63
1,1,2,2-Tetrachloroethane
Concen: 0.08 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 83 Resp: 20659

Ion	Ratio	Lower	Upper
83	100		
131	6.4	4.5	13.7
85	64.3	32.6	97.7



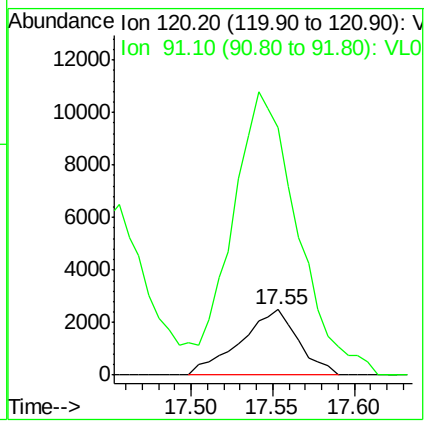


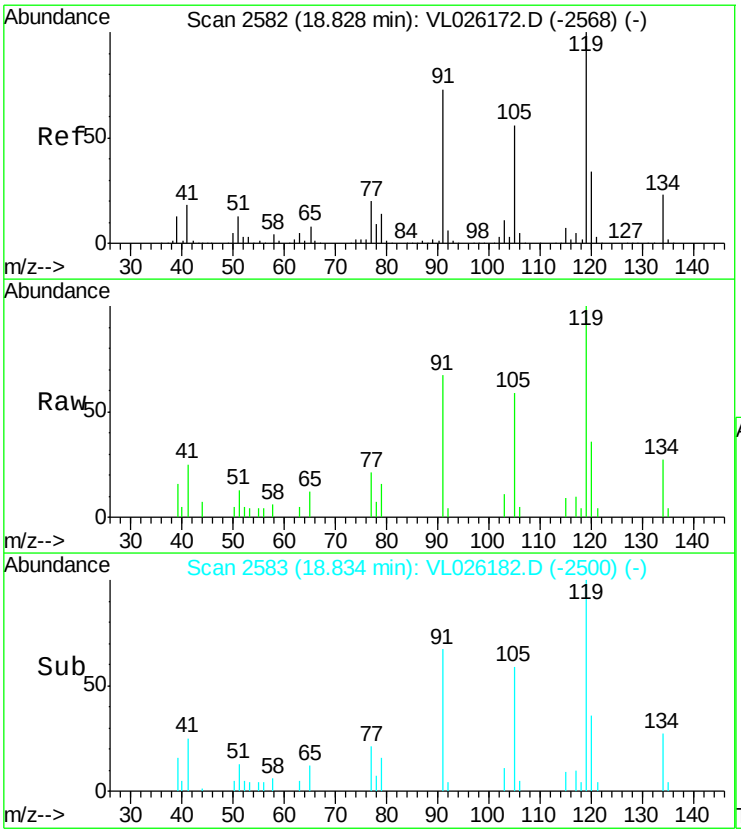
#64
n-propylbenzene
Concen: 0.05 ppbv
RT: 17.55 min Scan# 2373
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 6144

Ion	Ratio	Lower	Upper
120	100		
91	492.5	353.4	530.2

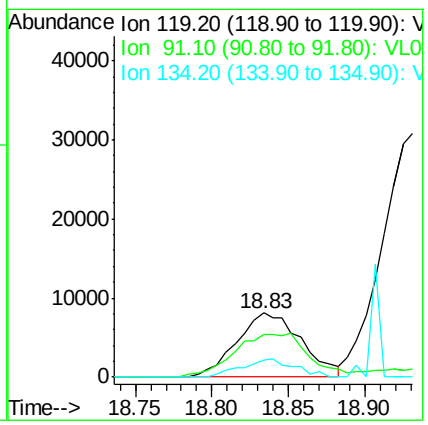


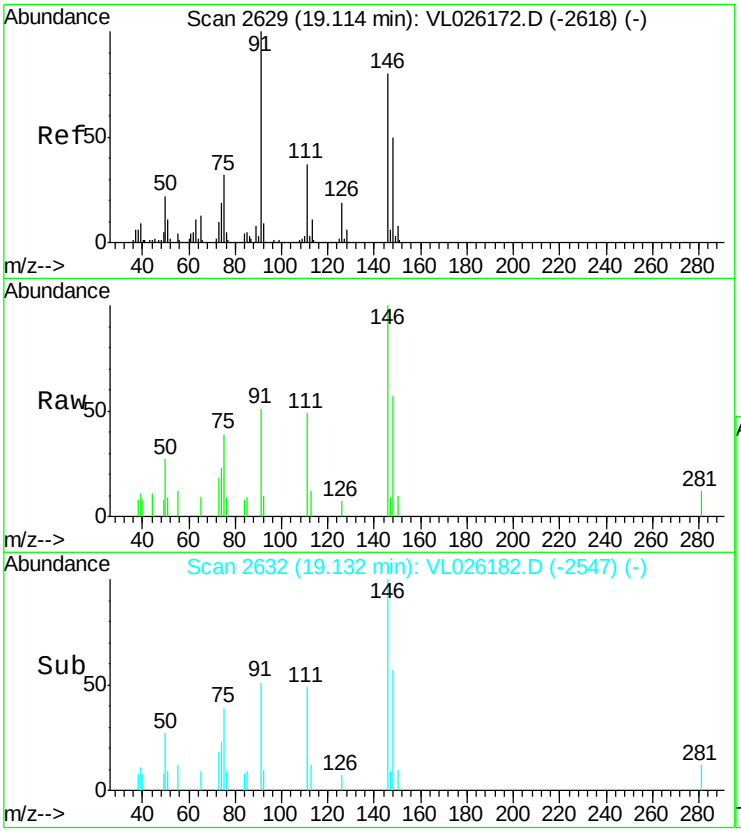


#65
tert-Butylbenzene
Concen: 0.06 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:119 Resp: 23803

Ion	Ratio	Lower	Upper
119	100		
91	79.1	58.5	87.7
134	25.6	18.0	27.0



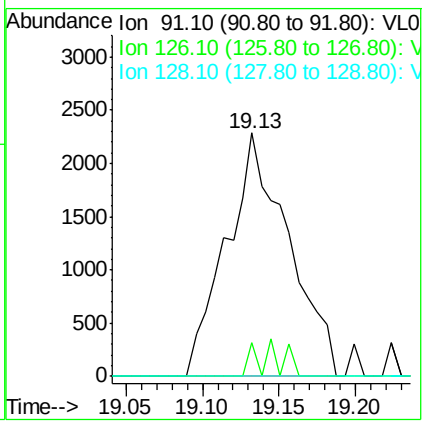


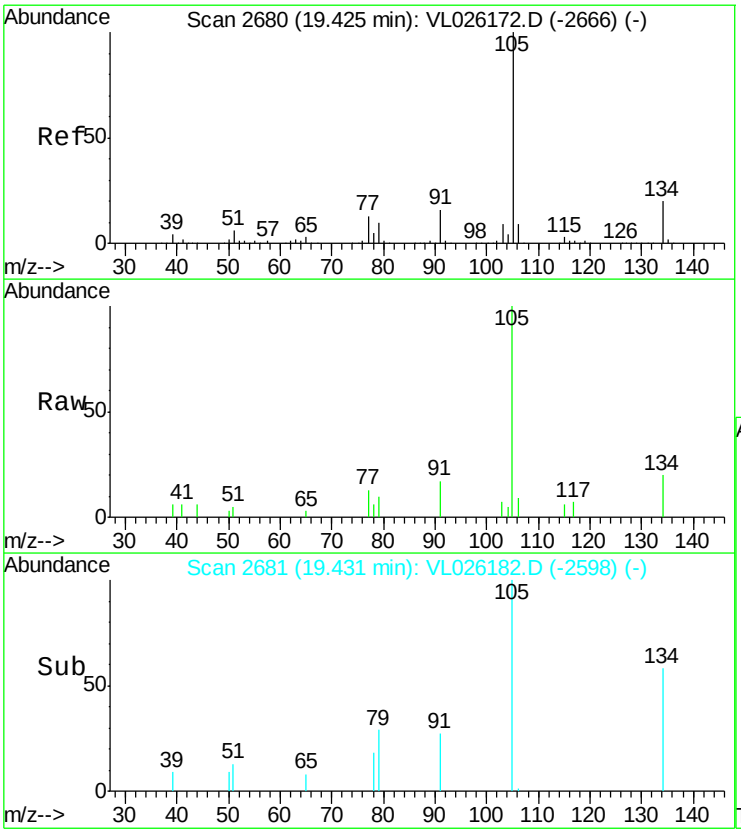
#66
Benzyl Chloride
Concen: 0.05 ppbv
RT: 19.13 min Scan# 2632
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6436

Ion	Ratio	Lower	Upper
91	100		
126	5.5	15.2	22.8#
128	0.0	4.8	7.2#

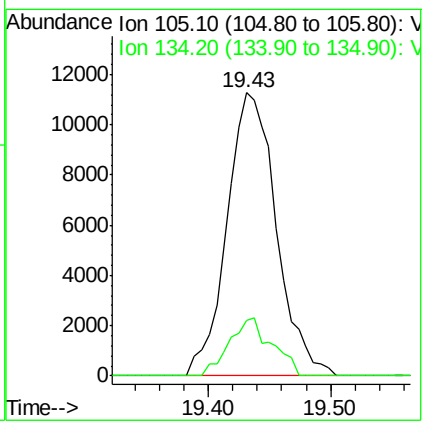


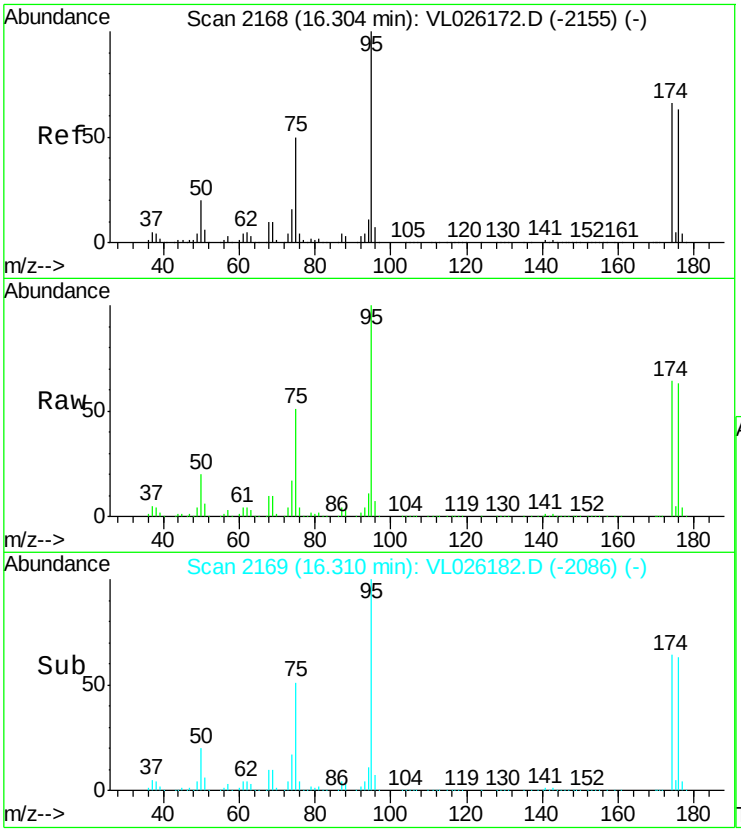


#67
sec-Butylbenzene
Concen: 0.06 ppbv
RT: 19.43 min Scan# 2681
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:105 Resp: 31620

Ion	Ratio	Lower	Upper
105	100		
134	17.5	15.9	23.9



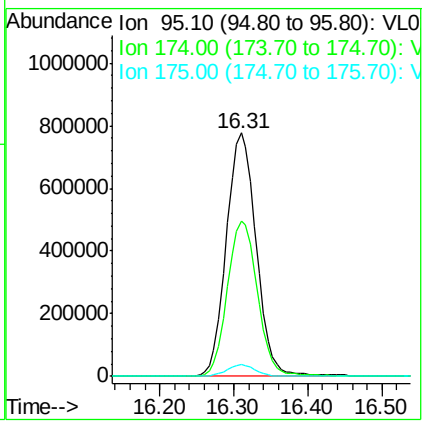


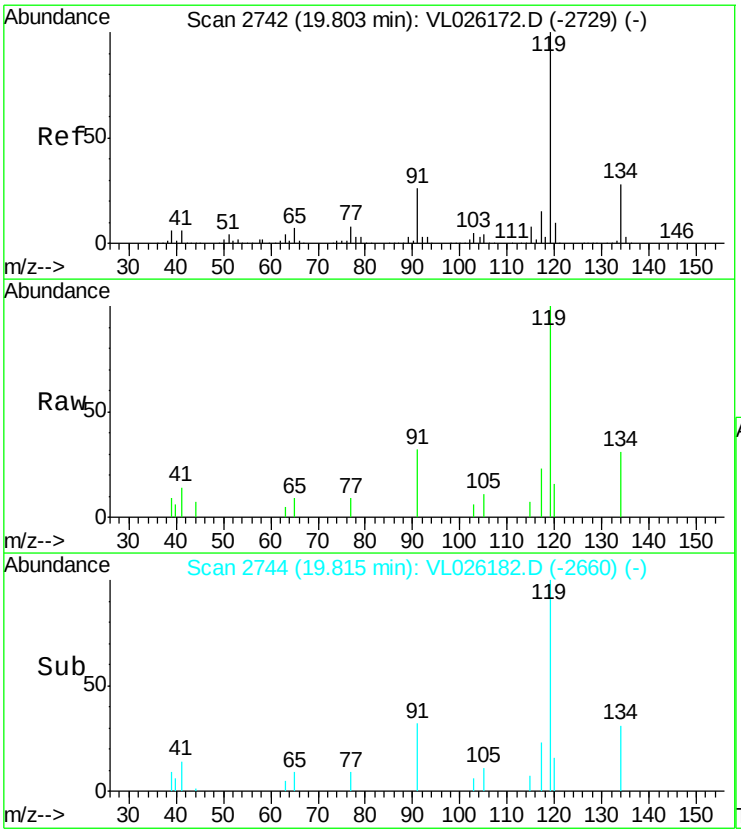
#68
1-Bromo-4-Fluorobenzene
Concen: 10.04 ppbv
RT: 16.31 min Scan# 2169
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2189901

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.2	78.4
175	4.7	3.9	5.9

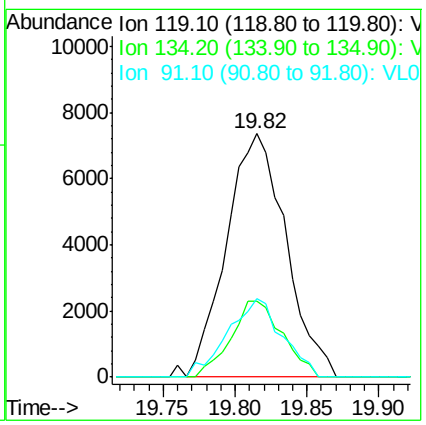


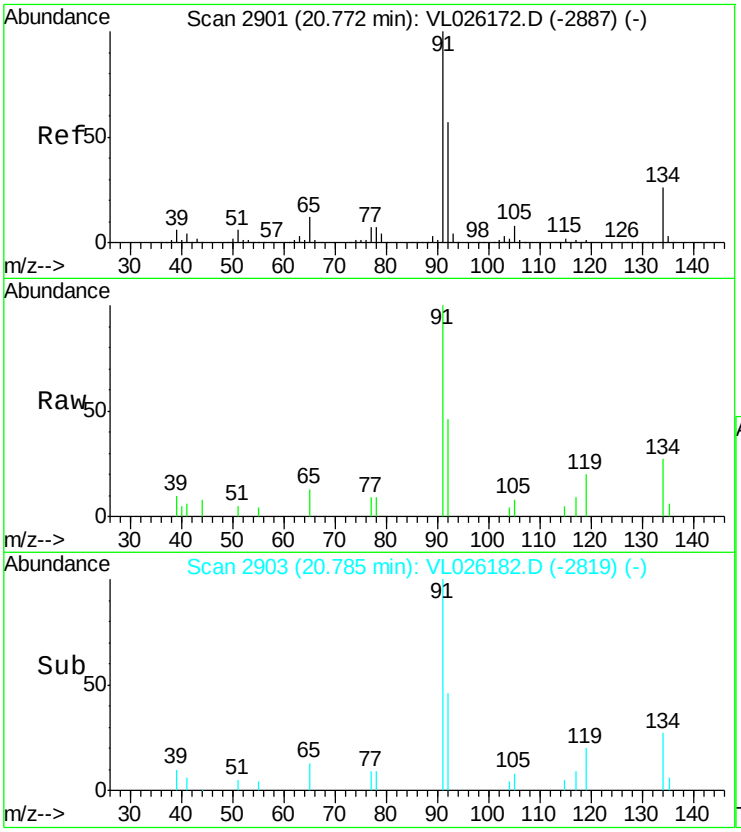


#69
p-Isopropyltoluene
Concen: 0.05 ppbv
RT: 19.82 min Scan# 2744
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:119 Resp: 21076

Ion	Ratio	Lower	Upper
119	100		
134	27.2	21.4	32.0
91	29.7	19.9	29.9



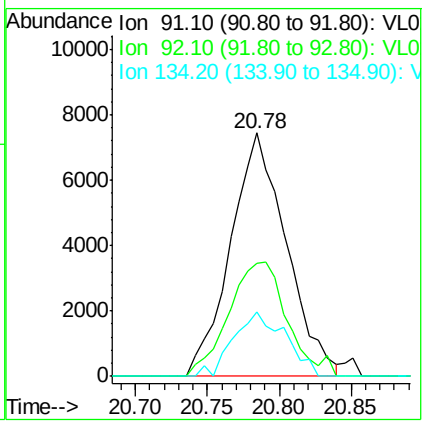


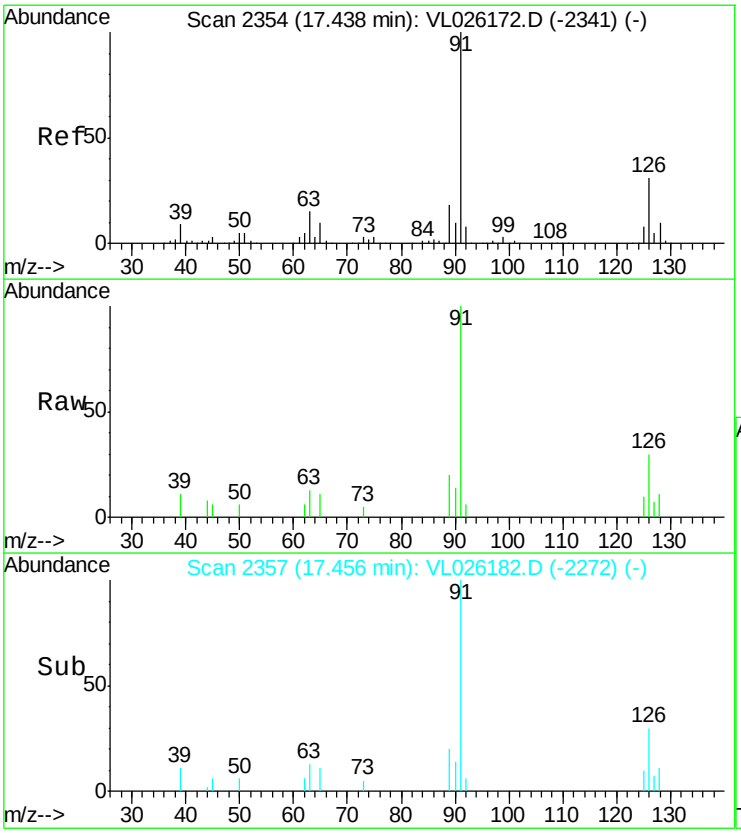
#70
n-Butylbenzene
Concen: 0.05 ppbv
RT: 20.78 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 20063

Ion	Ratio	Lower	Upper
91	100		
92	49.0	45.0	67.6
134	24.6	19.8	29.8

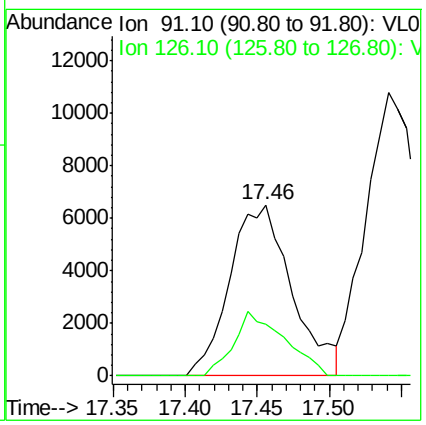


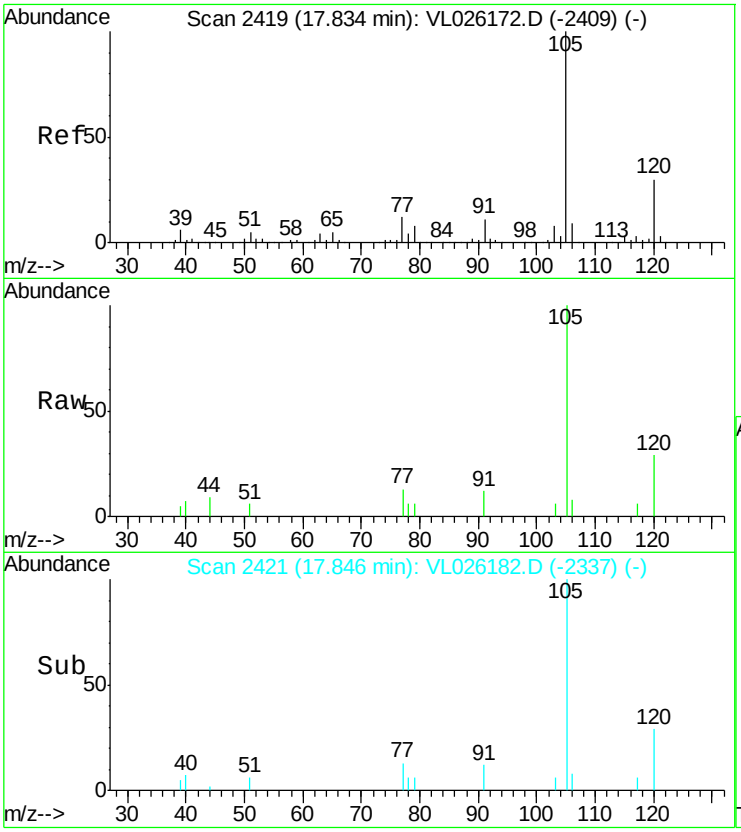


#71
2-Chlorotoluene
Concen: 0.06 ppbv
RT: 17.46 min Scan# 2357
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 91 Resp: 19576

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.8	51.2



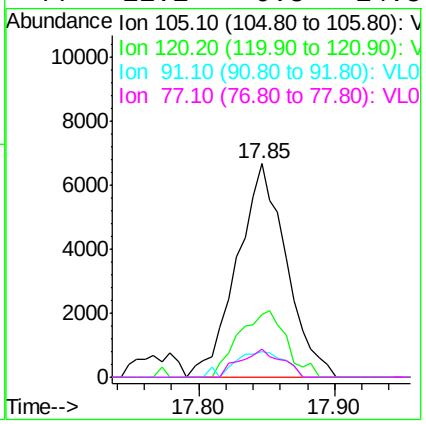


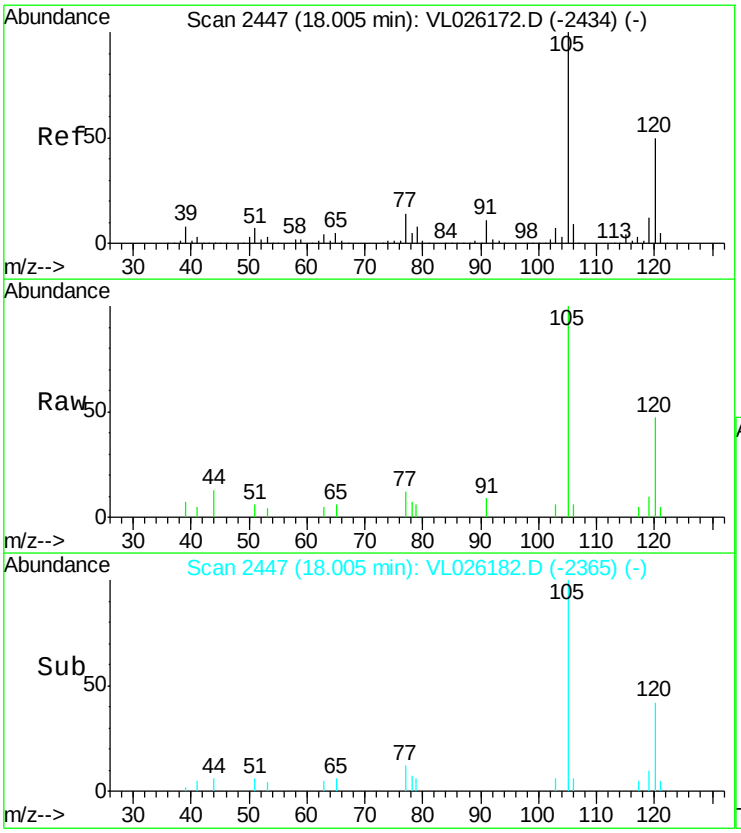
#72
4-Ethyltoluene
Concen: 0.05 ppbv
RT: 17.85 min Scan# 2421
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 16885

Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.7	37.1
91	12.2	9.2	13.8
77	11.1	9.8	14.8

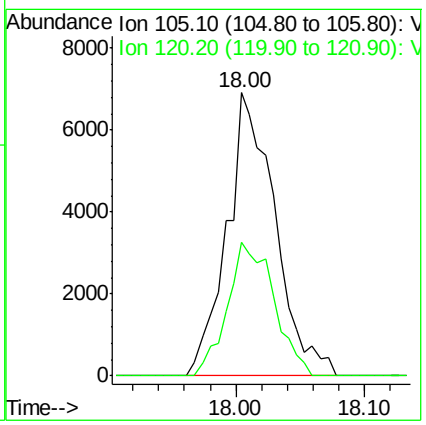


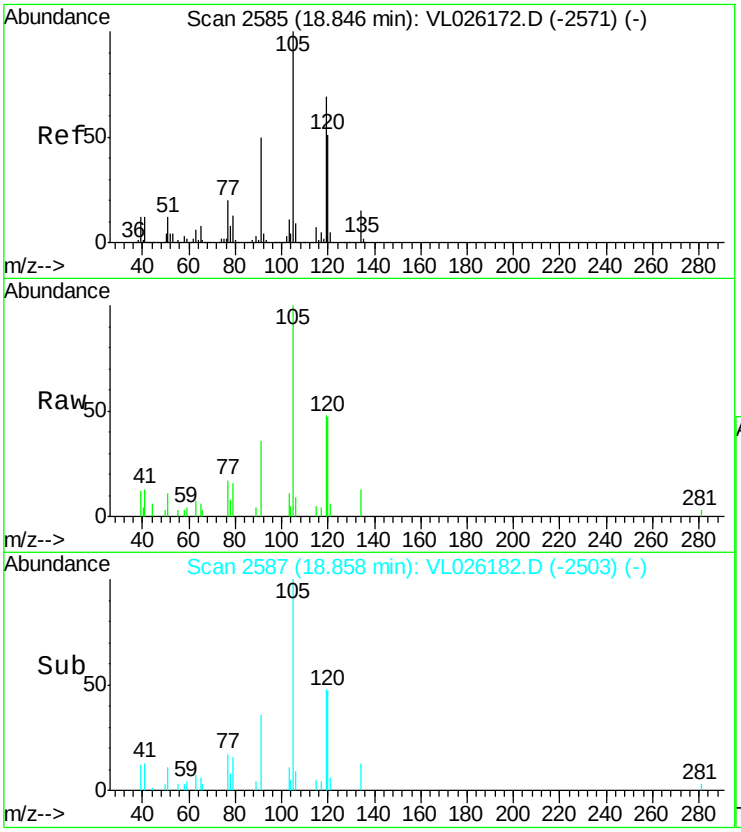


#73
1,3,5-Trimethylbenzene
Concen: 0.05 ppbv
RT: 18.00 min Scan# 2447
Delta R.T. -0.00 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:105 Resp: 17931

Ion	Ratio	Lower	Upper
105	100		
120	47.1	40.1	60.1



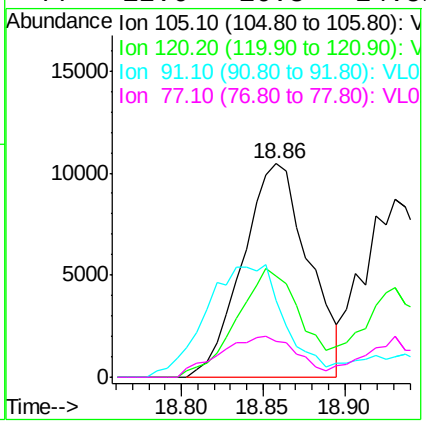


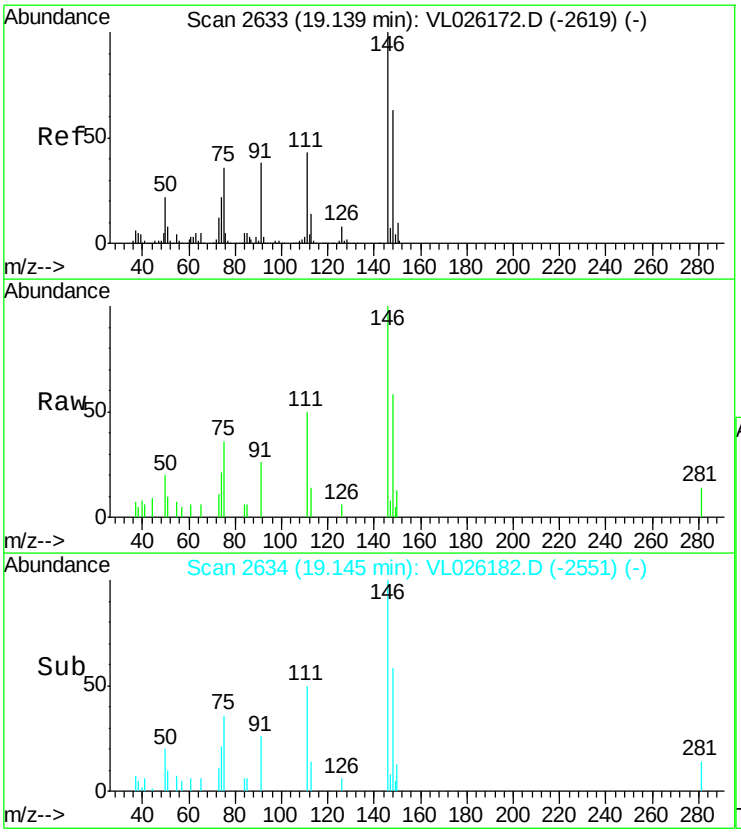
#74
1,2,4-Trimethylbenzene
Concen: 0.08 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 29453

Ion	Ratio	Lower	Upper
105	100		
120	44.2	41.1	61.7
91	29.2	39.8	59.6#
77	12.6	16.3	24.5#

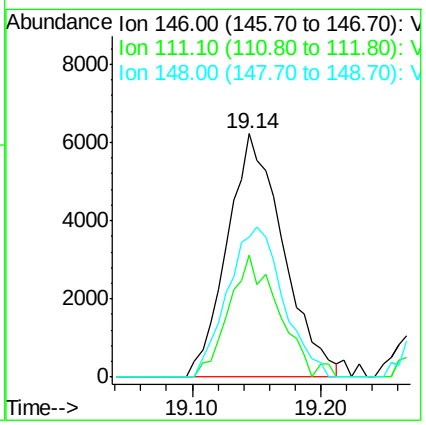


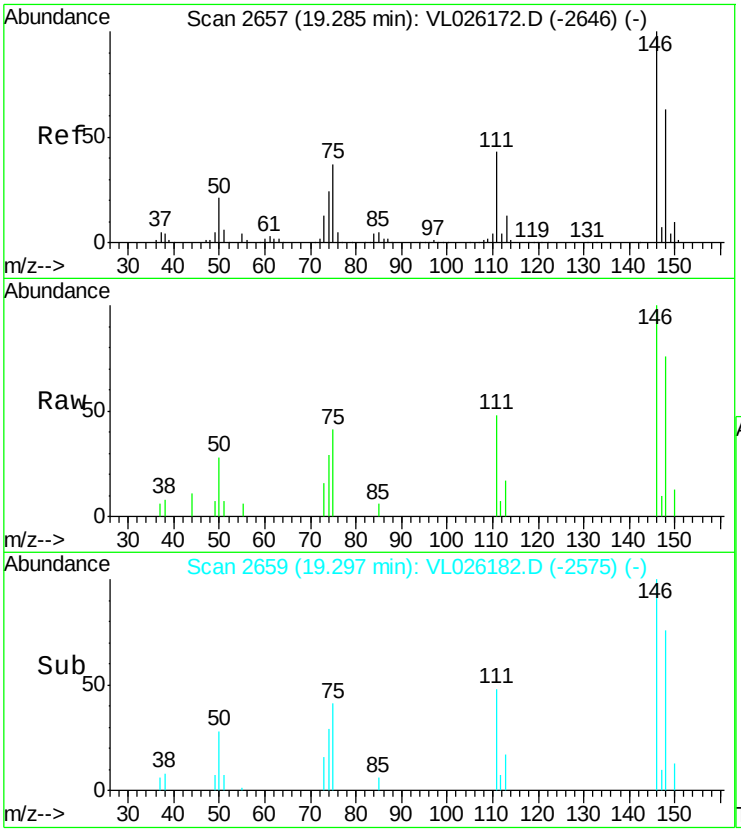


#75
1,3-Dichlorobenzene
Concen: 0.08 ppbv
RT: 19.14 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:146 Resp: 18796

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.1	66.3
148	61.0	31.9	95.5



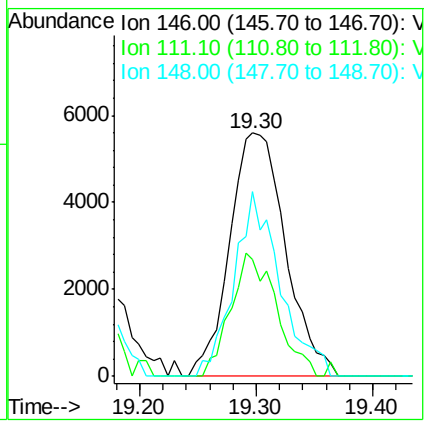


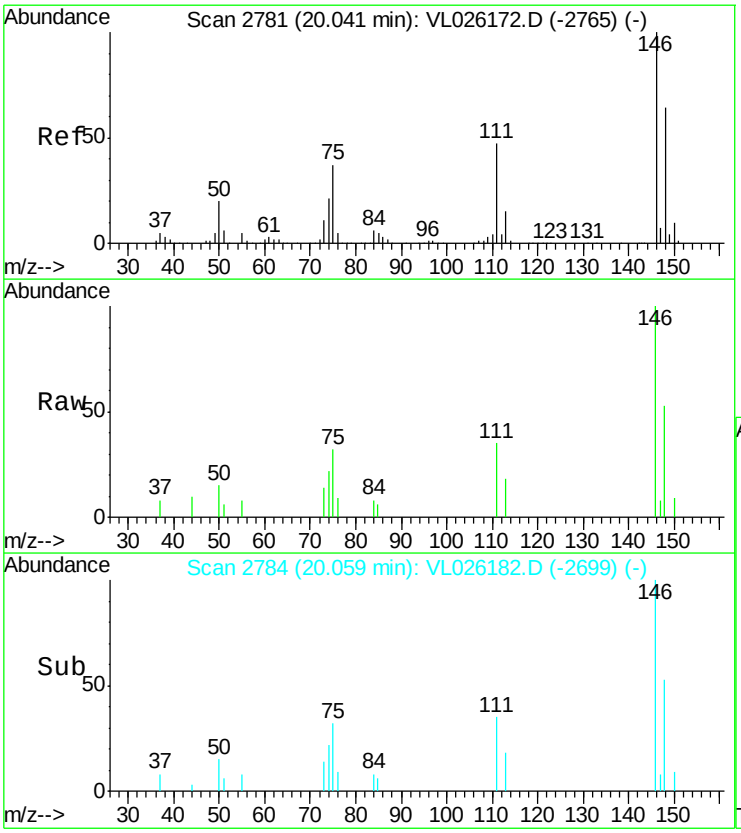
#76
1,4-Dichlorobenzene
Concen: 0.08 ppbv
RT: 19.30 min Scan# 2659
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 18712

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.9
148	62.6	31.6	94.8

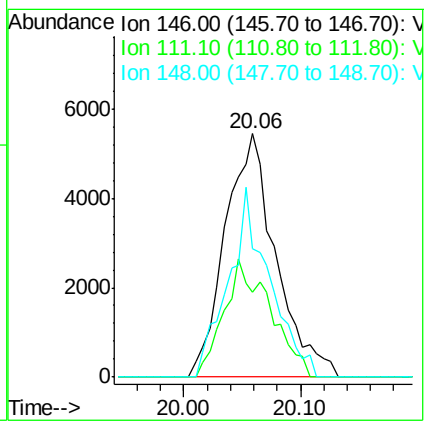


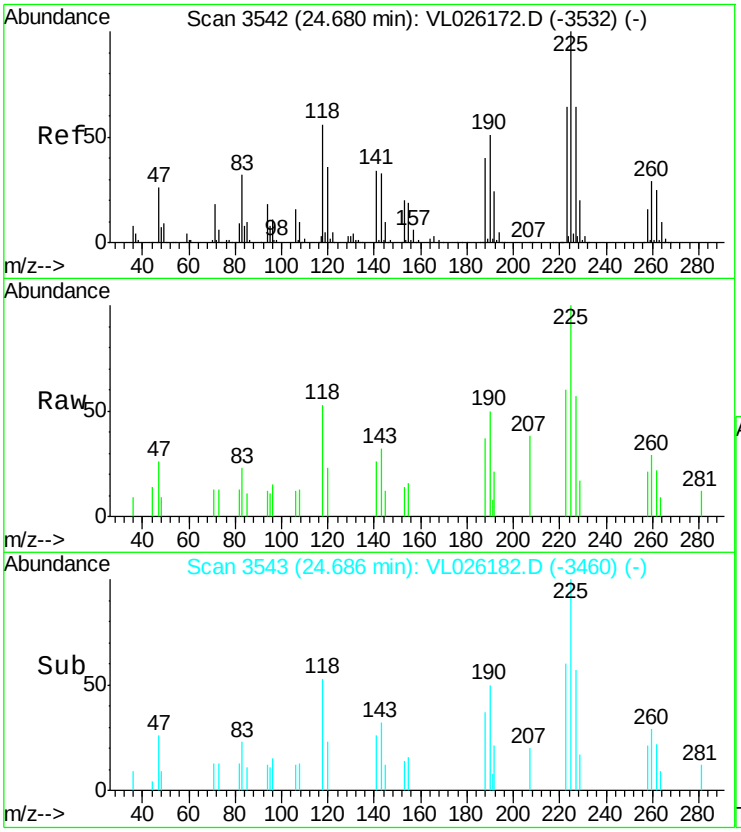


#77
1,2-Dichlorobenzene
Concen: 0.07 ppbv
RT: 20.06 min Scan# 2784
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:146 Resp: 16438

Ion	Ratio	Lower	Upper
146	100		
111	44.4	23.0	69.0
148	62.6	31.8	95.3



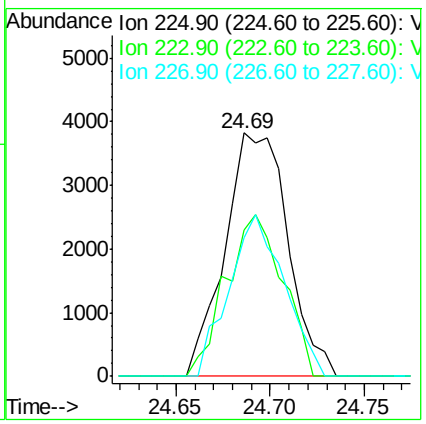


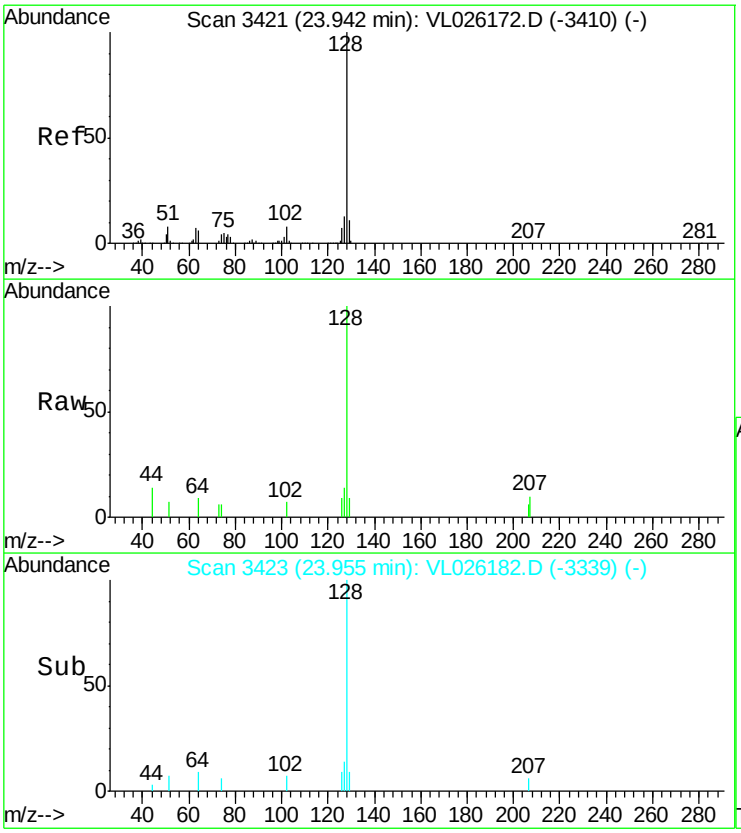
#78
Hexachloro-1,3-Butadiene
Concen: 0.10 ppbv
RT: 24.69 min Scan# 3543
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 8851

Ion	Ratio	Lower	Upper
225	100		
223	60.3	51.1	76.7
227	58.2	50.8	76.2

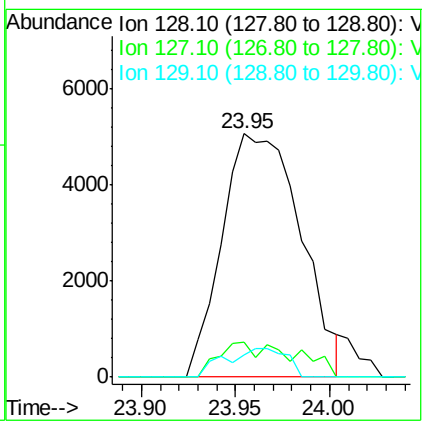


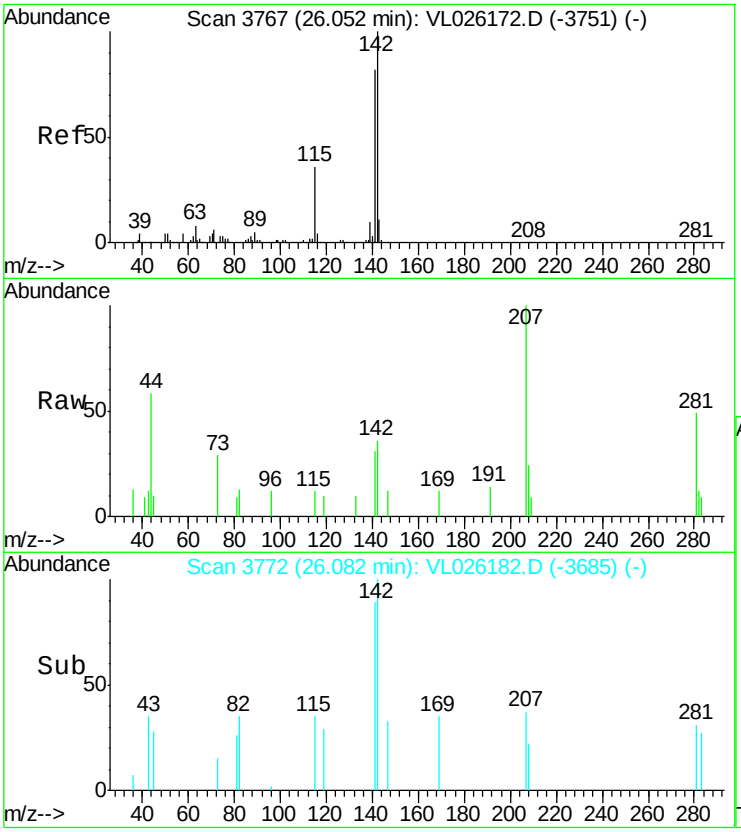


#79
Naphthalene
Concen: 0.06 ppbv
RT: 23.95 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:128 Resp: 14633

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.2	15.2
129	9.1	8.7	13.1



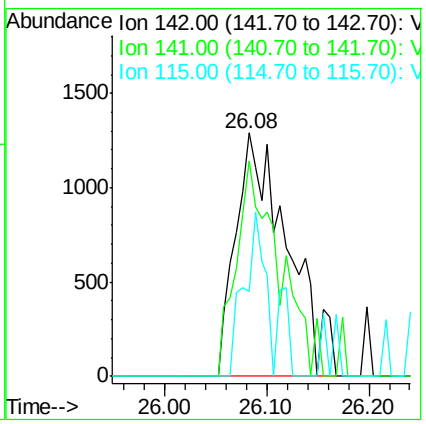


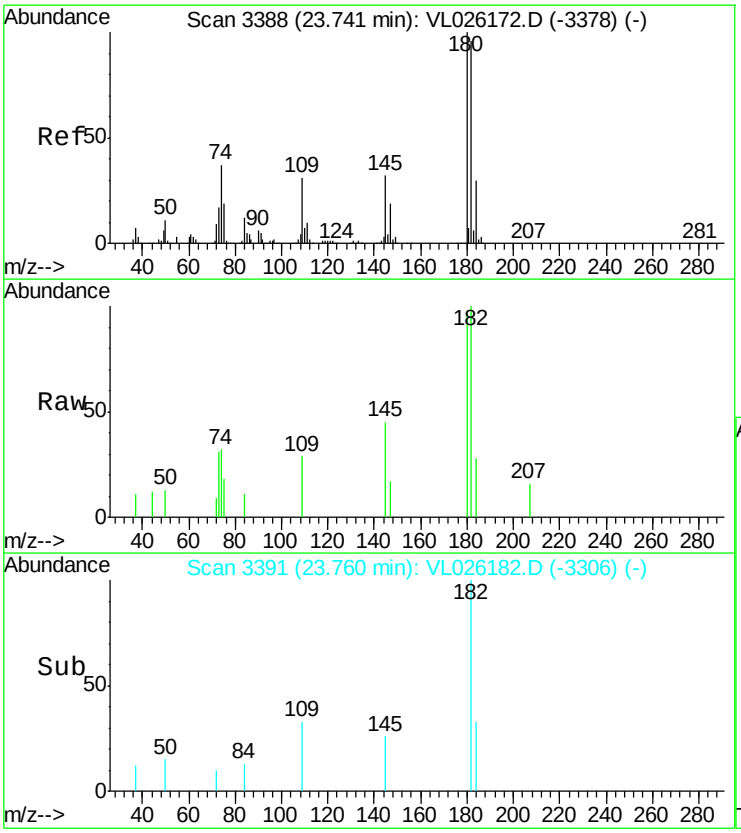
#80
Naphthalene,2-methyl-
Concen: 0.09 ppbv
RT: 26.08 min Scan# 3772
Delta R.T. 0.03 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 4578

Ion	Ratio	Lower	Upper
142	100		
141	75.8	66.6	99.8
115	34.4	28.4	42.6





#81
1,2,4-Trichlorobenzene
Concen: 0.08 ppbv
RT: 23.76 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion:180 Resp: 8545

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
184	25.2	24.0	36.0