Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025607.D
Acq On : 7 Jul 2015 12:32
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jul 07 13:11:11 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 07 13:08:42 2015
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.65	49	650166	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.32	114	1774587	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.74	117	2183094	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	1911587	10.60	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.64	85	104168	0.69	ppbv		99
3) Chlorodifluoromethane	3.57	51	49858	0.64	ppbv		97
4) Chloromethane	3.75	50	23371	0.58	ppbv		98
5) Vinyl Chloride	3.89	62	23530	0.52	ppbv	#	88
6) Bromomethane	4.14	94	20380	0.66	ppbv		95
7) Chloroethane	4.24	64	11052	0.59	ppbv		93
8) Dichlorotetrafluoroethane	3.81	85	81317	0.67	ppbv		97
9) Propene	3.59	41	15330	0.47	ppbv		98
10) Heptane	9.35	43	55705	0.48	ppbv		97
11) Trichlorofluoromethane	4.69	101	120311	0.76	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	5.30	101	71082	0.74	ppbv		97
13) Ethanol	4.35	45	1651	0.28	ppbv		99
14) Bromoethene	4.45	108	21519	0.63	ppbv		95
15) Acetone	4.62	43	65775	0.69	ppbv		93
16) 1,3-Butadiene	3.97	39	23625	0.56	ppbv		94
17) tert-Butyl alcohol	5.17	59	44214	0.54	ppbv		96
18) 1,1-Dichloroethene	5.08	96	25513	0.64	ppbv		99
19) Isopropyl Alcohol	4.79	45	20639	0.47	ppbv	#	1
20) Methylene Chloride	5.15	84	27032	0.65	ppbv	#	86
21) Allyl Chloride	5.22	41	38532	0.61	ppbv		85
22) trans-1,2-Dichloroethene	5.76	96	25852	0.56	ppbv		96
23) Vinyl Acetate	5.98	43	77241	0.46	ppbv		96
24) 1,1-Dichloroethane	5.90	63	62997	0.58	ppbv		97
25) Ethyl Acetate	6.68	43	86725	0.50	ppbv		99
26) Hexane	6.66	57	39559	0.49	ppbv		94
27) Carbon Disulfide	5.39	76	68214	0.61	ppbv	#	81
28) Methyl tert-Butyl Ether	5.97	73	73333	0.49	ppbv		97
29) Chloroform	6.74	83	86425	0.64	ppbv		100
30) Cyclohexane	8.29	84	37745	0.51	ppbv	#	33
31) cis-1,2-Dichloroethene	6.51	61	36462	0.47	ppbv		93
32) 1,1,1-Trichloroethane	7.59	97	88828	0.58	ppbv		98
34) 2-Butanone	6.21	43	47480	0.45	ppbv		98
35) Carbon Tetrachloride	8.16	117	93853	0.58	ppbv		95
36) Benzene	8.02	78	79006	0.45	ppbv		95
37) 1,2-Dichloroethane	7.37	62	72939	0.60	ppbv		99
38) Trichloroethene	9.06	130	39092	0.52	ppbv		96
39) 1,2-Dichloropropane	8.82	63	30149	0.46	ppbv		95
40) 1,4-Dioxane	9.20	88	1061	0.07	ppbv	#	1
41) Tetrahydrofuran	7.16	42	20963	0.37	ppbv		92
42) Bromodichloromethane	9.02	83	84993	0.56	ppbv		96
43) Methyl Methacrylate	9.27	69	25011	0.38	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025607.D
Acq On : 7 Jul 2015 12:32
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jul 07 13:11:11 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 07 13:08:42 2015
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	129242	0.43	ppbv		92
45) t-1,3-Dichloropropene	10.65	75	39258	0.39	ppbv		90
46) cis-1,3-Dichloropropene	10.01	75	44593	0.38	ppbv	#	89
47) 1,1,2-Trichloroethane	10.88	97	42153	0.52	ppbv		95
48) Dibromochloromethane	11.79	129	72172	0.55	ppbv		100
49) Bromoform	14.80	173	57025	0.54	ppbv		98
50) 4-Methyl-2-Pentanone	10.11	43	57209	0.40	ppbv		98
51) 2-Hexanone	11.65	43	45083	0.35	ppbv	#	93
52) Tetrachloroethene	12.79	164	42863	0.53	ppbv		96
53) Toluene	11.24	91	95880	0.42	ppbv		99
54) 1,2-Dibromoethane	12.14	107	68596	0.55	ppbv		95
56) 1,1,1,2-Tetrachloroethane	13.78	131	62715	0.60	ppbv	#	1
57) Chlorobenzene	13.81	112	126728	0.59	ppbv		94
58) Ethyl Benzene	14.41	91	153584	0.44	ppbv		99
59) m/p-Xylene	14.72	91	311297	1.07	ppbv		98
60) o-Xylene	15.49	91	169533	0.55	ppbv		98
61) Styrene	15.31	104	39912	0.34	ppbv		98
62) Isopropylbenzene	16.54	105	218987	0.54	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.48	83	128697	0.59	ppbv		98
64) n-propylbenzene	17.52	120	57177	0.53	ppbv		92
65) tert-Butylbenzene	18.81	119	215237	0.57	ppbv		98
66) Benzyl Chloride	19.10	91	66700	0.52	ppbv		96
67) sec-Butylbenzene	19.41	105	300200	0.56	ppbv		99
69) p-Isopropyltoluene	19.78	119	235080	0.54	ppbv		98
70) n-Butylbenzene	20.76	91	243313	0.58	ppbv		96
71) 2-Chlorotoluene	17.43	91	143371	0.47	ppbv		99
72) 4-Ethyltoluene	17.82	105	167807	0.50	ppbv	#	97
73) 1,3,5-Trimethylbenzene	17.99	105	174810	0.54	ppbv		97
74) 1,2,4-Trimethylbenzene	18.83	105	214165	0.61	ppbv		94
75) 1,3-Dichlorobenzene	19.11	146	149460	0.67	ppbv		99
76) 1,4-Dichlorobenzene	19.27	146	143177	0.64	ppbv		97
77) 1,2-Dichlorobenzene	20.02	146	142403	0.64	ppbv		99
78) Hexachloro-1,3-Butadiene	24.67	225	91341	0.80	ppbv		96
79) Naphthalene	23.94	128	189932	0.66	ppbv		96
80) Naphthalene,2-methyl-	26.05	142	60371	0.82	ppbv		95
81) 1,2,4-Trichlorobenzene	23.74	180	95519	0.71	ppbv		99

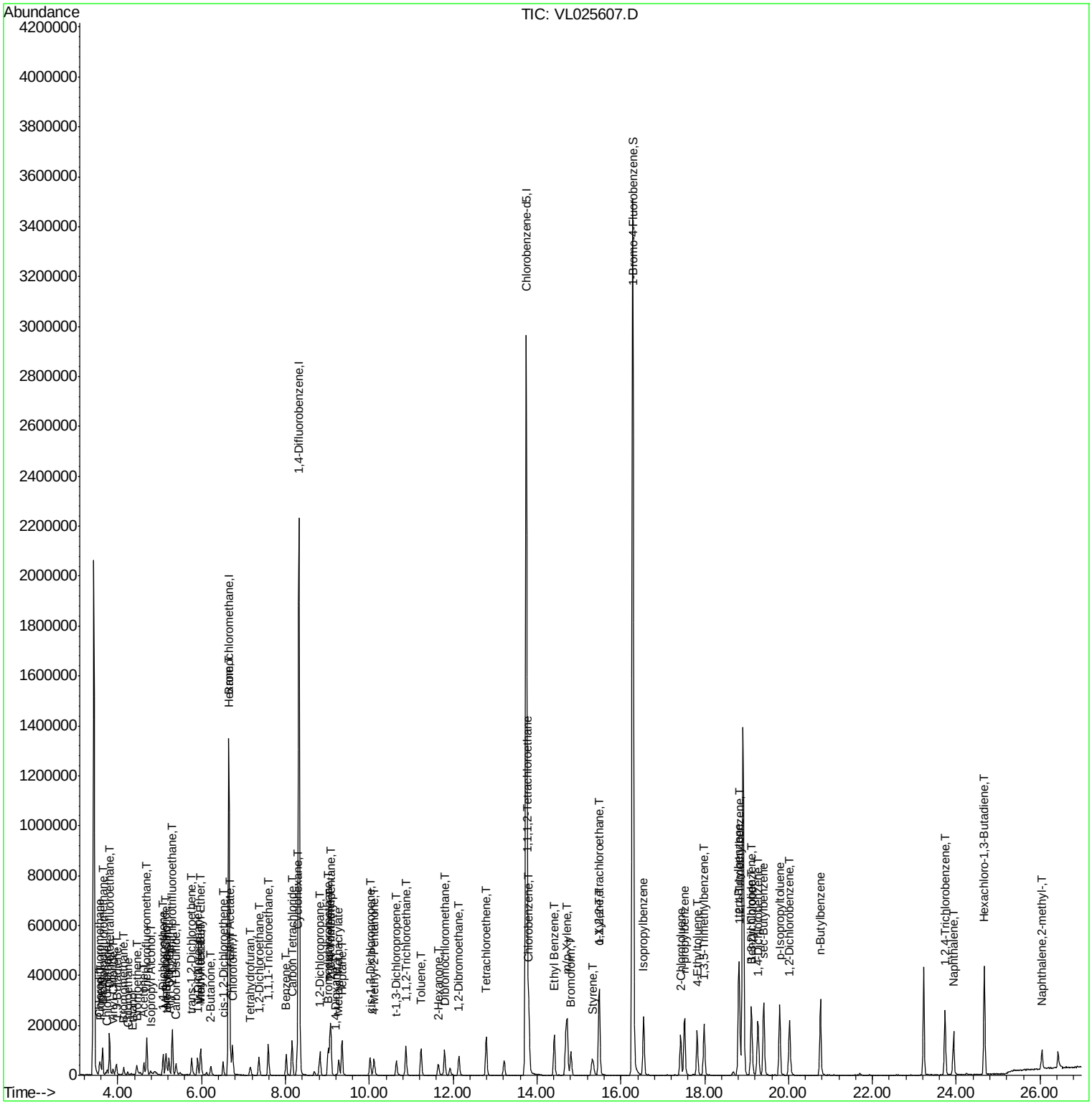
(#) = qualifier out of range (m) = manual integration (+) = signals summed

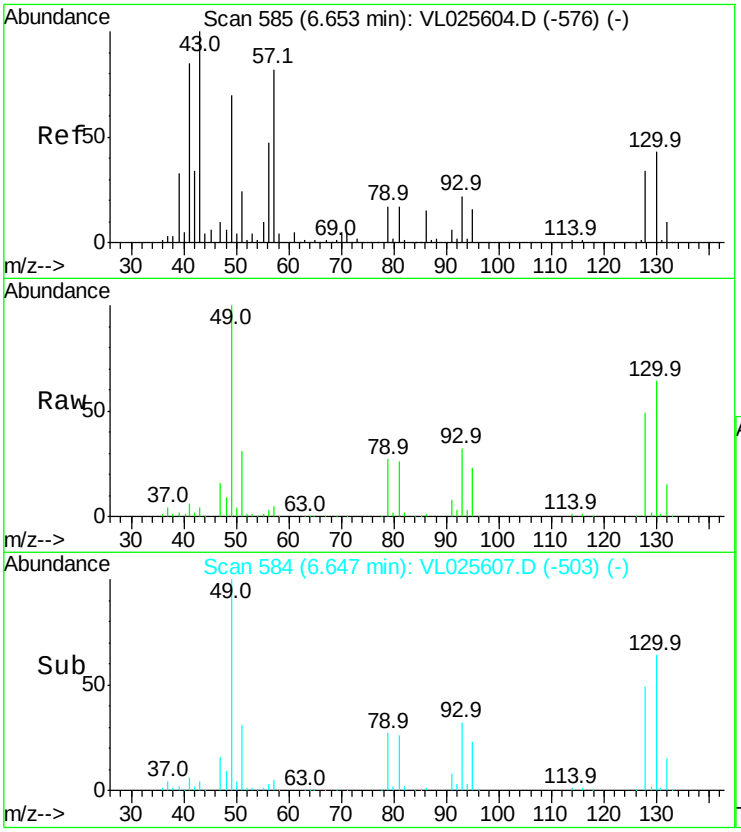
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025607.D
Acq On : 7 Jul 2015 12:32
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Jul 07 13:11:11 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 07 13:08:42 2015
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration



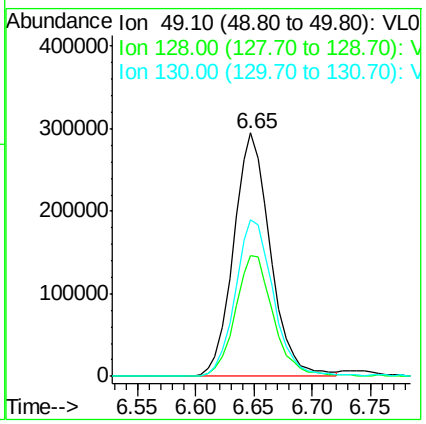


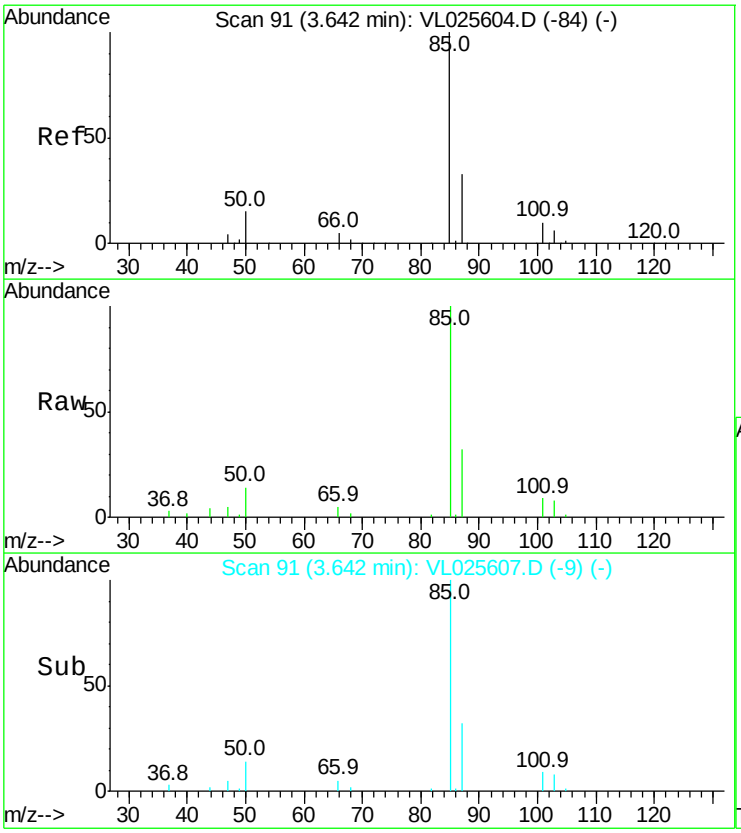
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 650166

Ion	Ratio	Lower	Upper
49	100		
128	51.4	25.4	76.0
130	67.2	31.9	95.9

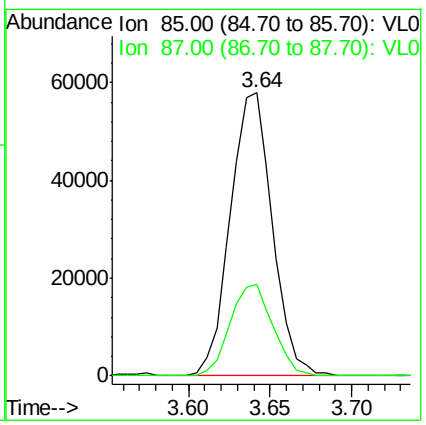


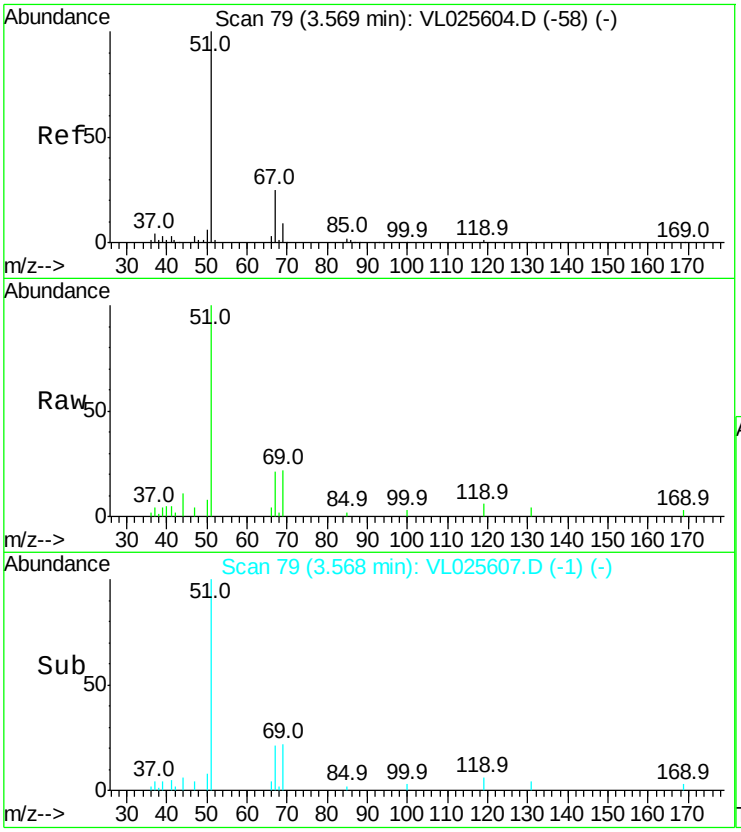


#2
Dichlorodifluoromethane
Concen: 0.69 ppbv
RT: 3.64 min Scan# 91
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 85 Resp: 104168

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.5	39.7



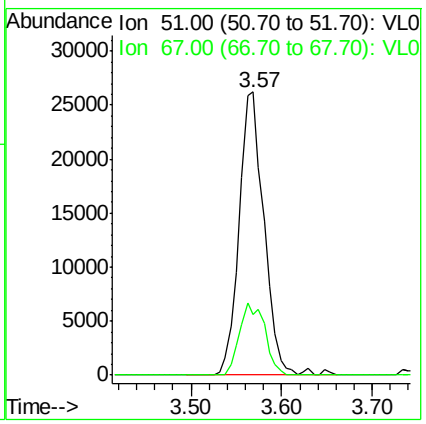


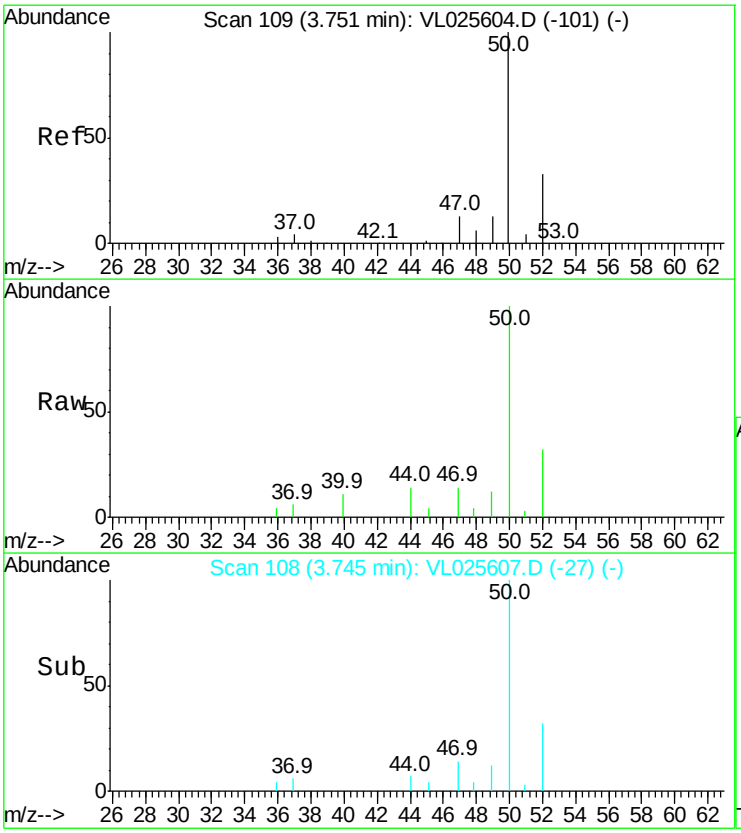
#3
Chlorodifluoromethane
Concen: 0.64 ppbv
RT: 3.57 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 49858

Ion	Ratio	Lower	Upper
51	100		
67	25.7	19.5	29.3

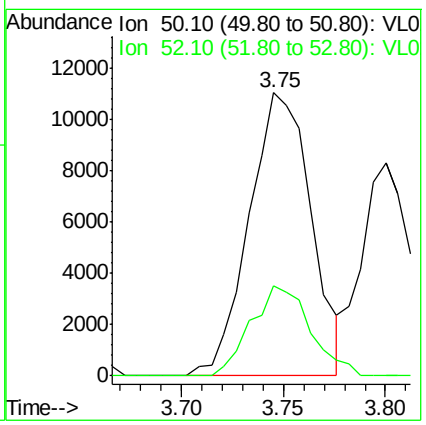


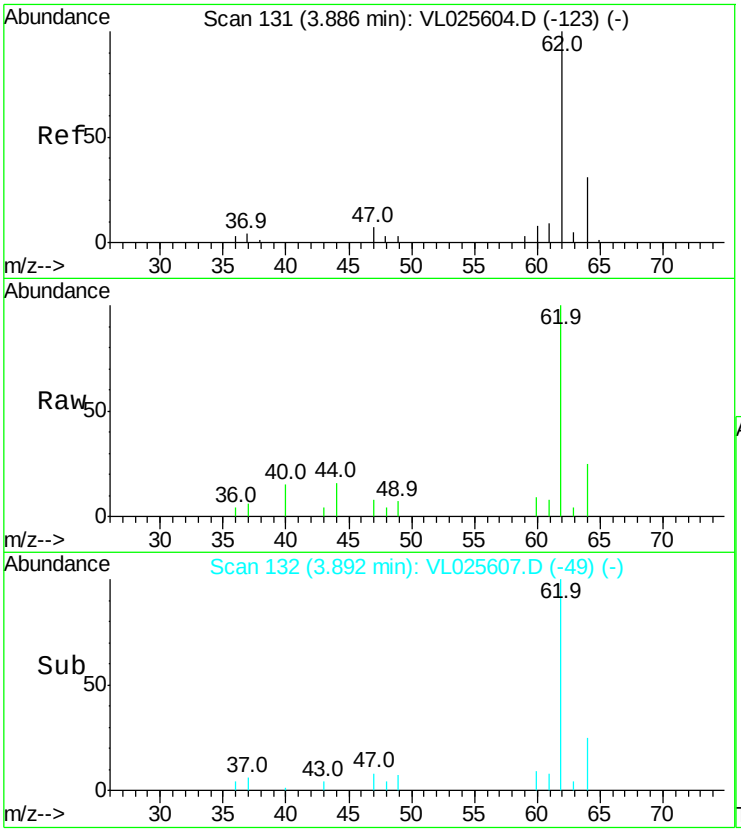


#4
Chloromethane
Concen: 0.58 ppbv
RT: 3.75 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 50 Resp: 23371

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.2	39.2



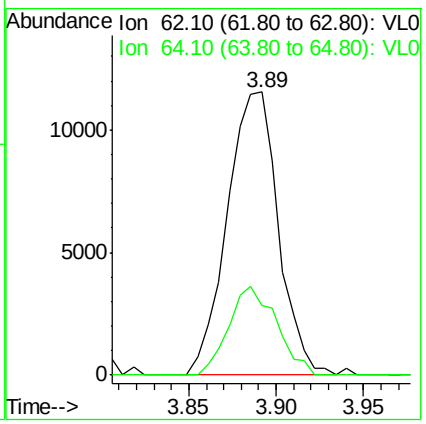


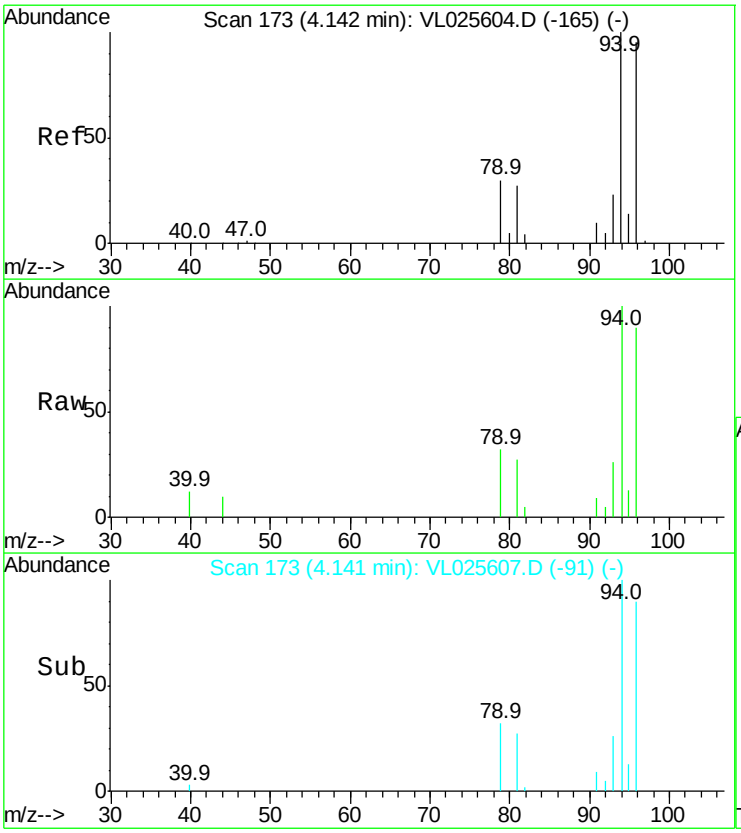
#5
Vinyl Chloride
Concen: 0.52 ppbv
RT: 3.89 min Scan# 132
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 23530

Ion	Ratio	Lower	Upper
62	100		
64	24.6	25.0	37.6#

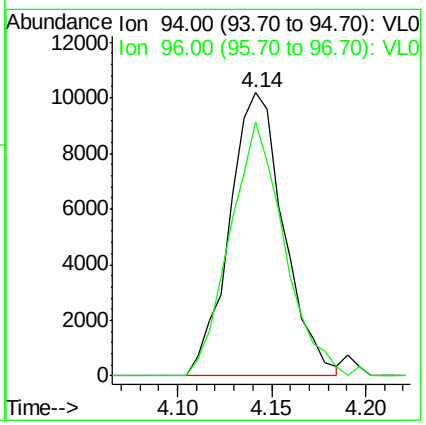


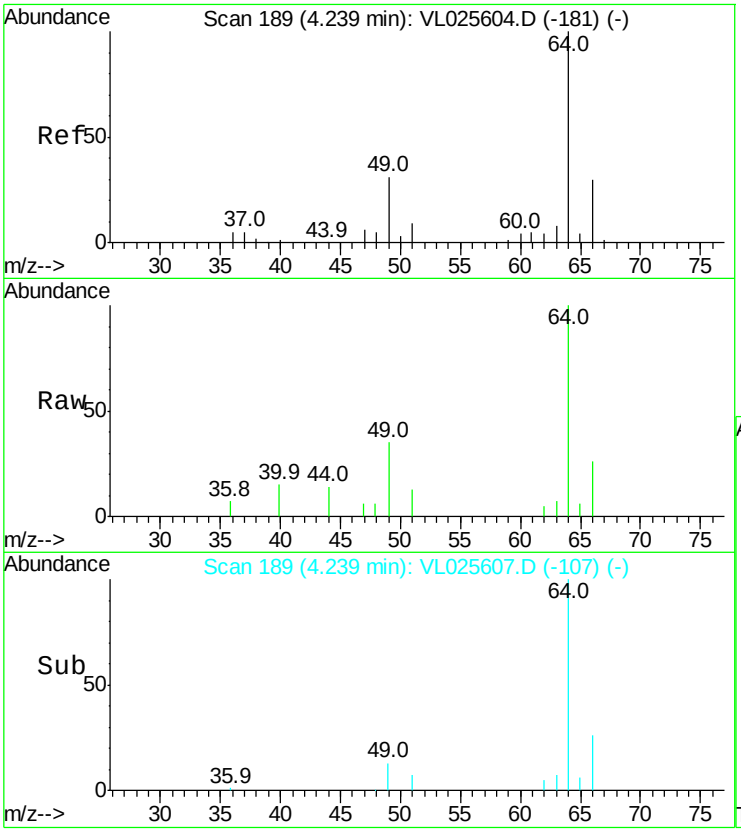


#6
Bromomethane
Concen: 0.66 ppbv
RT: 4.14 min Scan# 173
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 94 Resp: 20380

Ion	Ratio	Lower	Upper
94	100		
96	89.7	75.9	113.9



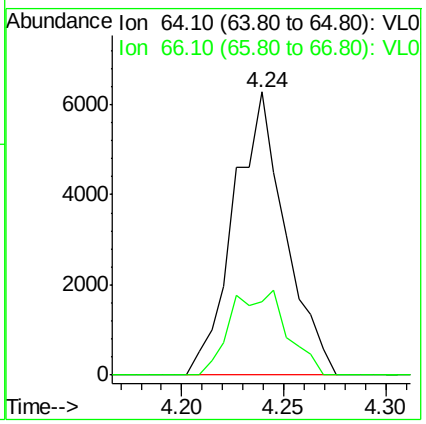


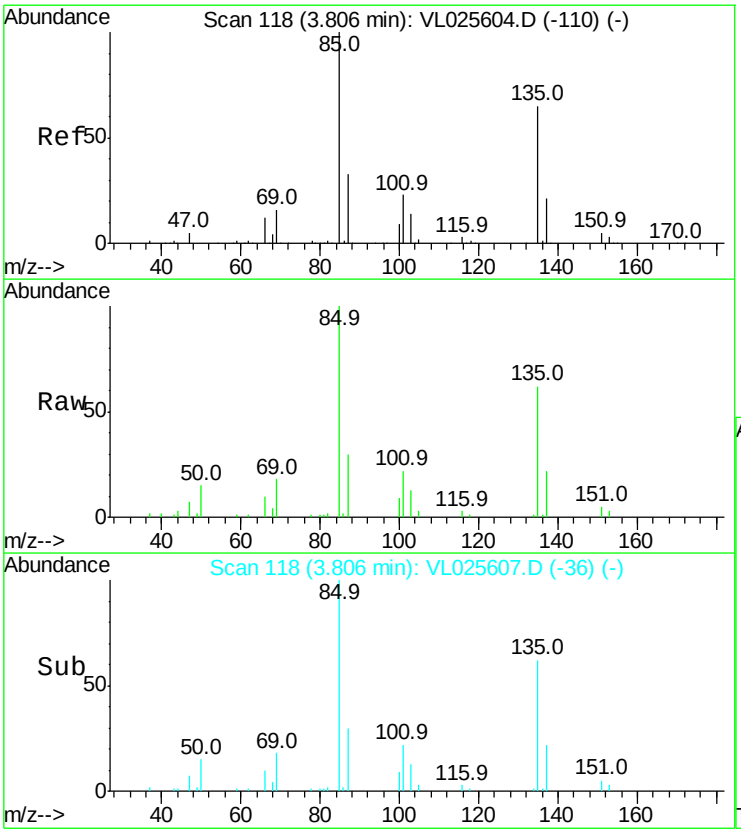
#7
Chloroethane
Concen: 0.59 ppbv
RT: 4.24 min Scan# 189
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 11052

Ion	Ratio	Lower	Upper
64	100		
66	26.2	23.8	35.8

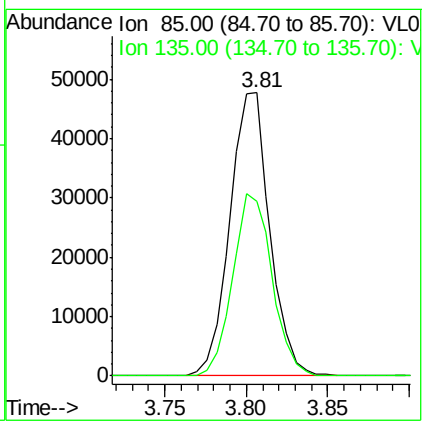


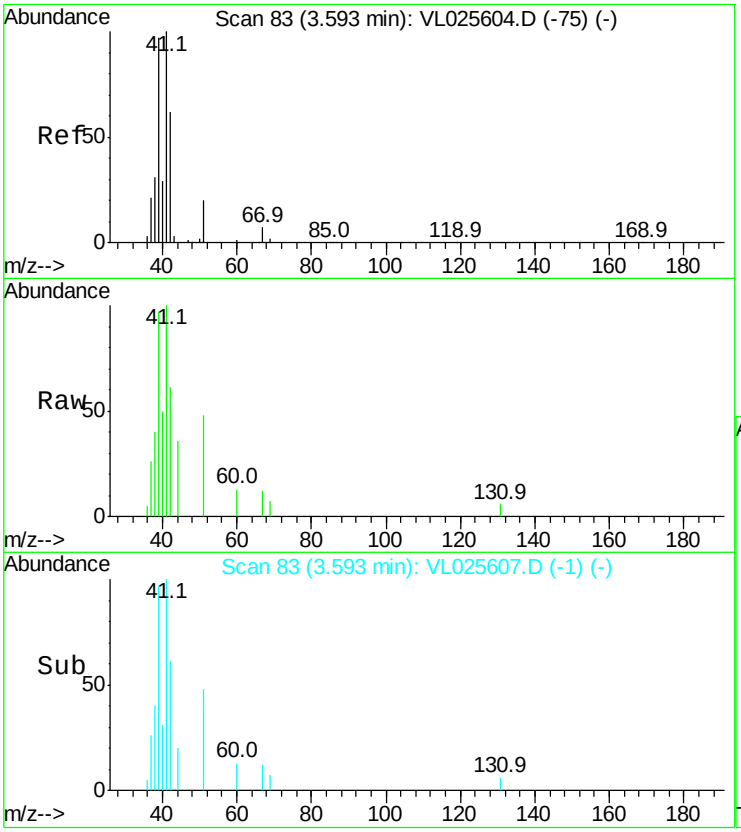


#8
Dichlorotetrafluoroethane
Concen: 0.67 ppbv
RT: 3.81 min Scan# 118
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 85 Resp: 81317

Ion	Ratio	Lower	Upper
85	100		
135	63.1	52.2	78.4



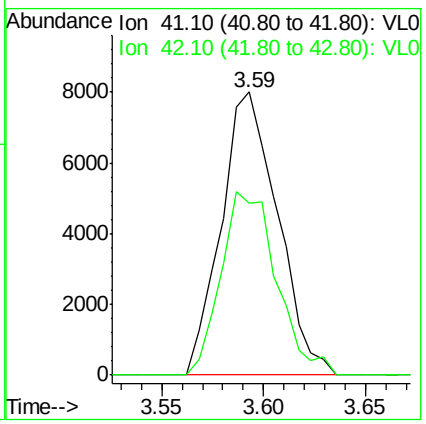


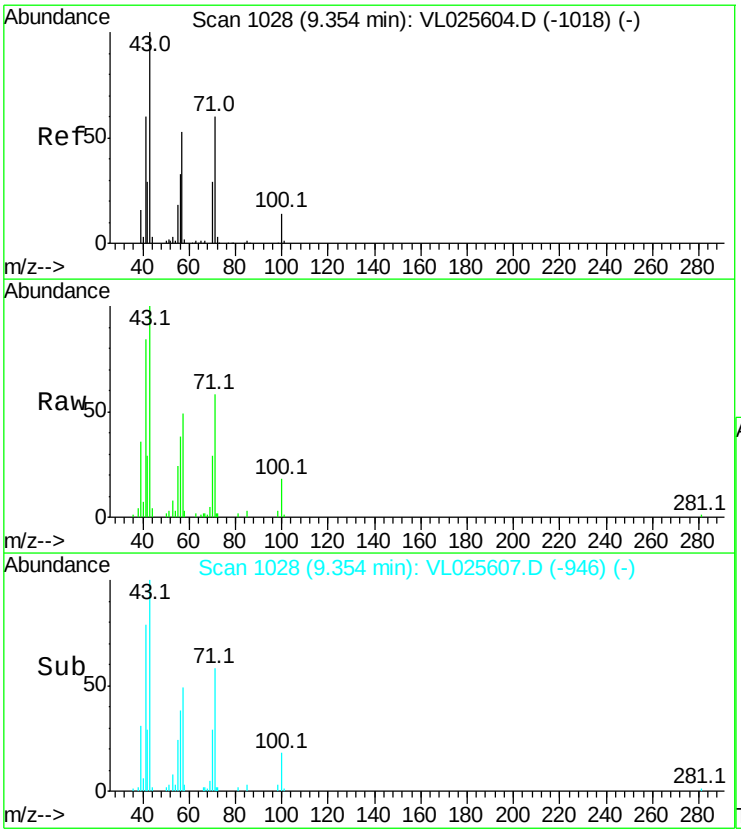
#9
Propene
Concen: 0.47 ppbv
RT: 3.59 min Scan# 83
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 15330

Ion	Ratio	Lower	Upper
41	100		
42	63.9	52.4	78.6

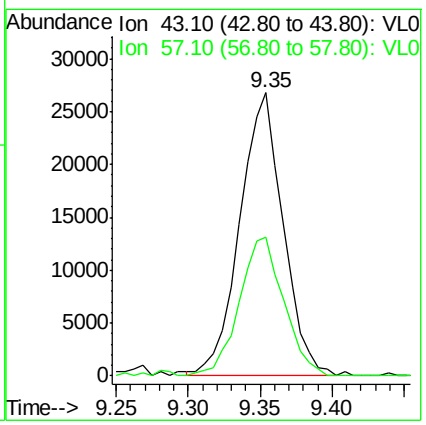


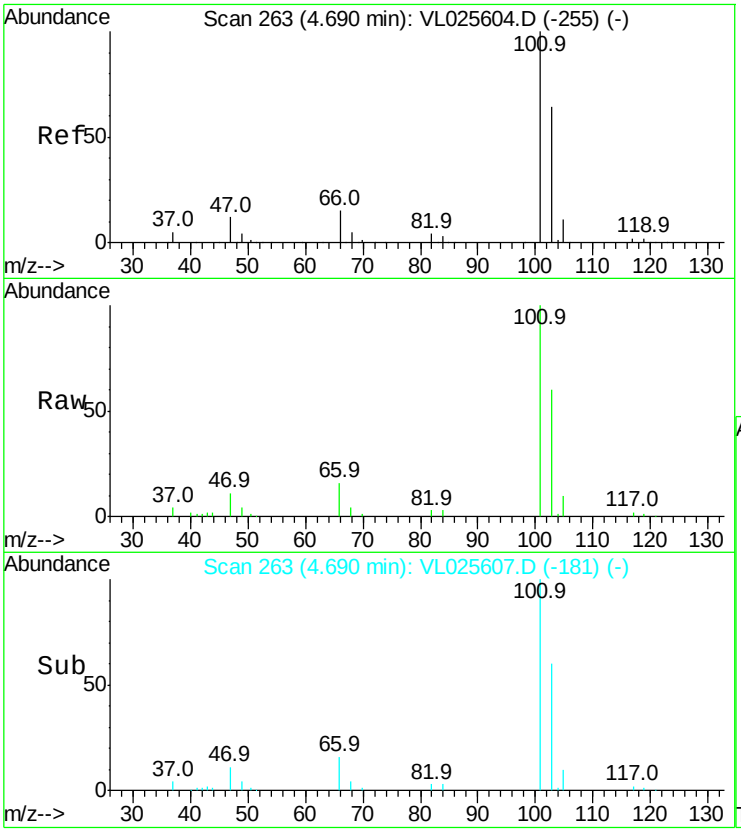


#10
Heptane
Concen: 0.48 ppbv
RT: 9.35 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 43 Resp: 55705

Ion	Ratio	Lower	Upper
43	100		
57	51.2	42.6	64.0



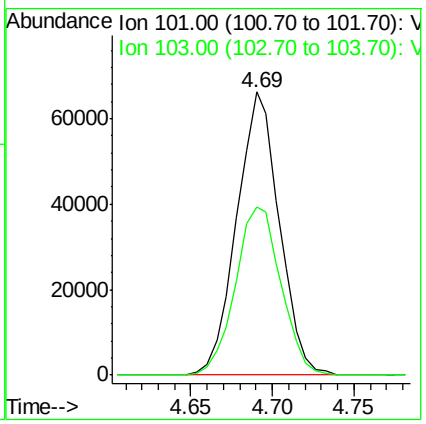


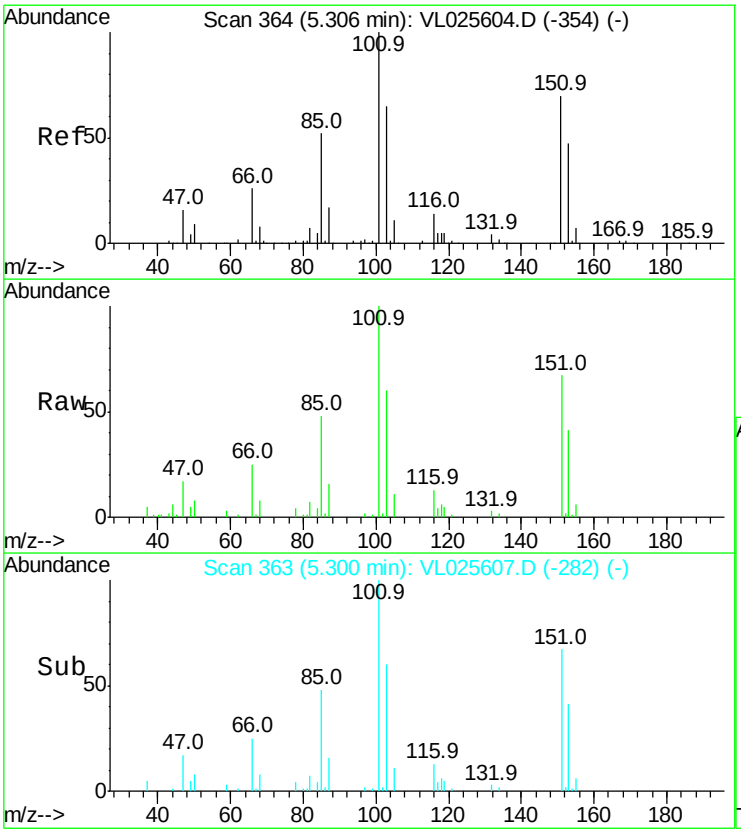
#11
Trichlorofluoromethane
Concen: 0.76 ppbv
RT: 4.69 min Scan# 263
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 120311

Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.4	77.2

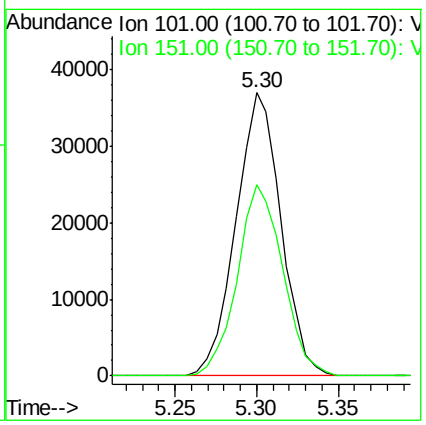


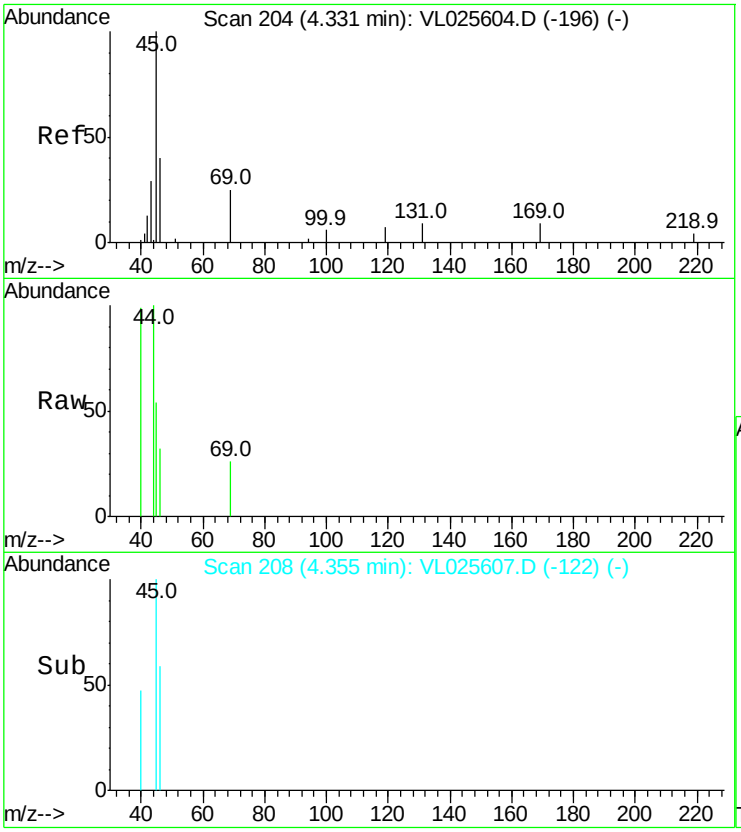


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.74 ppbv
RT: 5.30 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:101 Resp: 71082

Ion	Ratio	Lower	Upper
101	100		
151	67.9	56.3	84.5



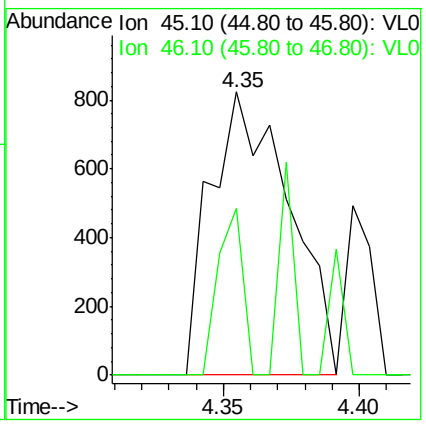


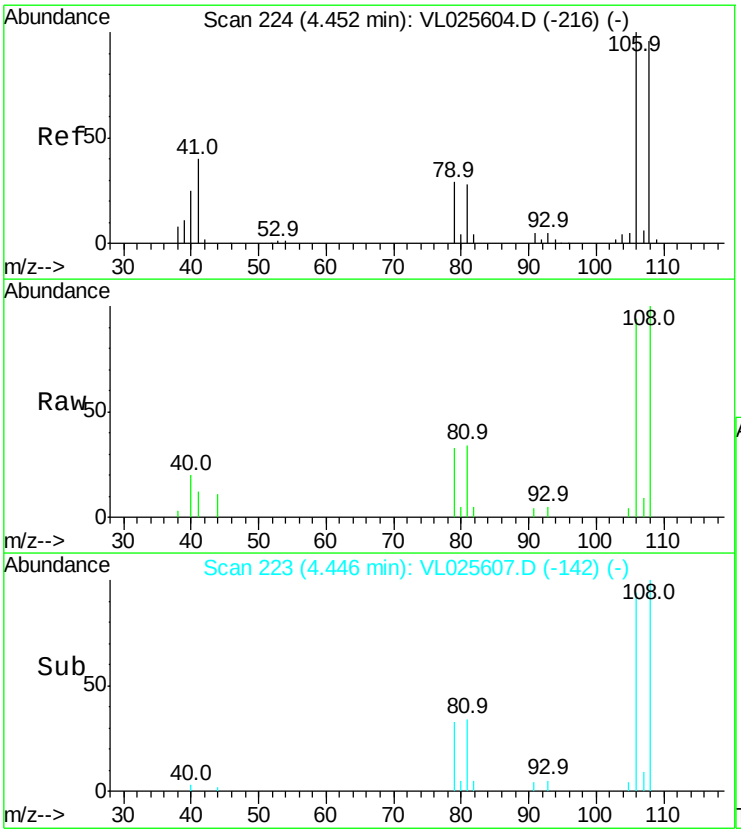
#13
Ethanol
Concen: 0.28 ppbv
RT: 4.35 min Scan# 208
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 1651

Ion	Ratio	Lower	Upper
45	100		
46	40.5	16.0	64.0

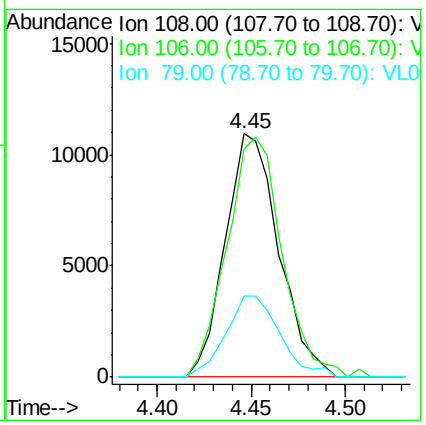


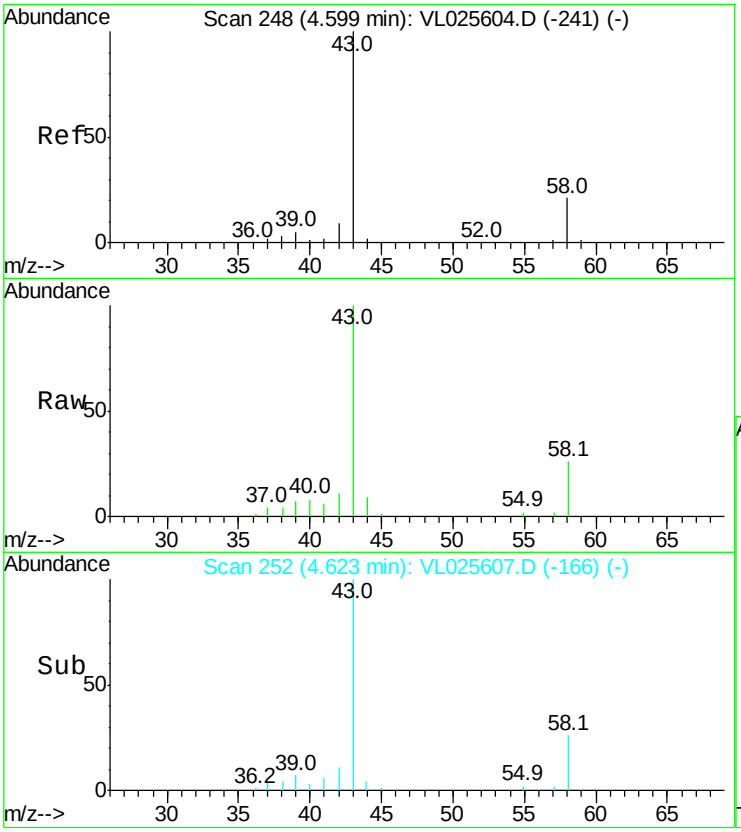


#14
Bromoethene
Concen: 0.63 ppbv
RT: 4.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:108 Resp: 21519

Ion	Ratio	Lower	Upper
108	100		
106	102.6	85.7	128.5
79	34.1	24.6	36.8



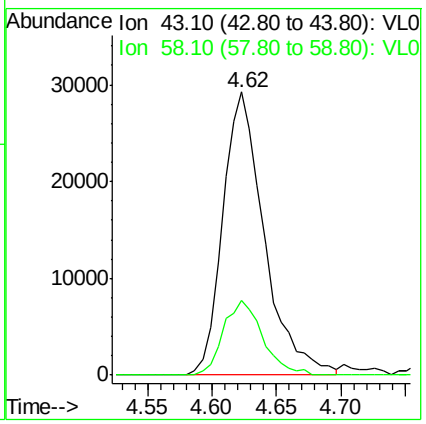


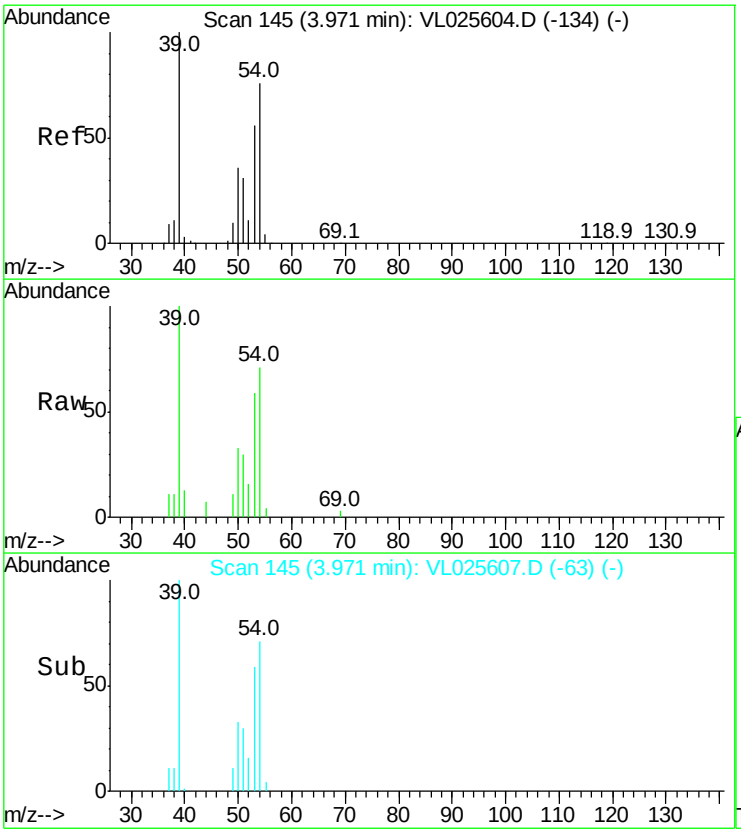
#15
Acetone
Concen: 0.69 ppbv
RT: 4.62 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 65775

Ion	Ratio	Lower	Upper
43	100		
58	24.9	17.2	25.8

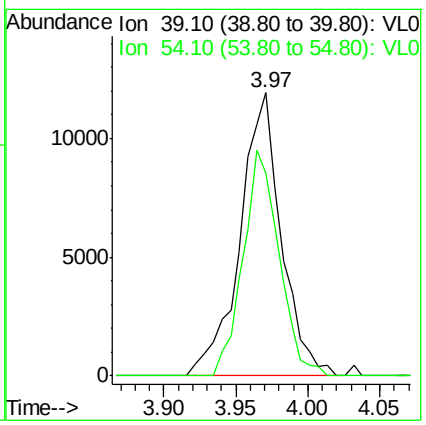


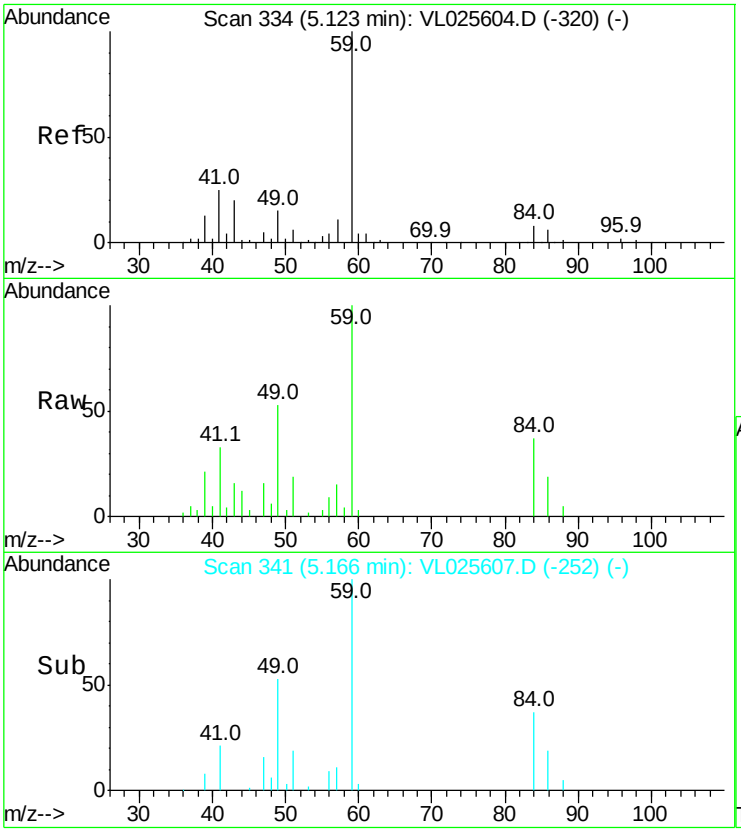


#16
1,3-Butadiene
Concen: 0.56 ppbv
RT: 3.97 min Scan# 145
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 39 Resp: 23625

Ion	Ratio	Lower	Upper
39	100		
54	69.3	59.3	88.9



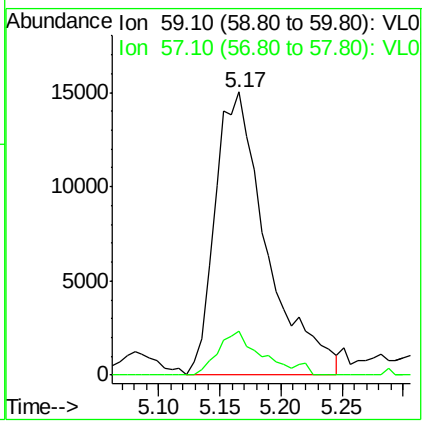


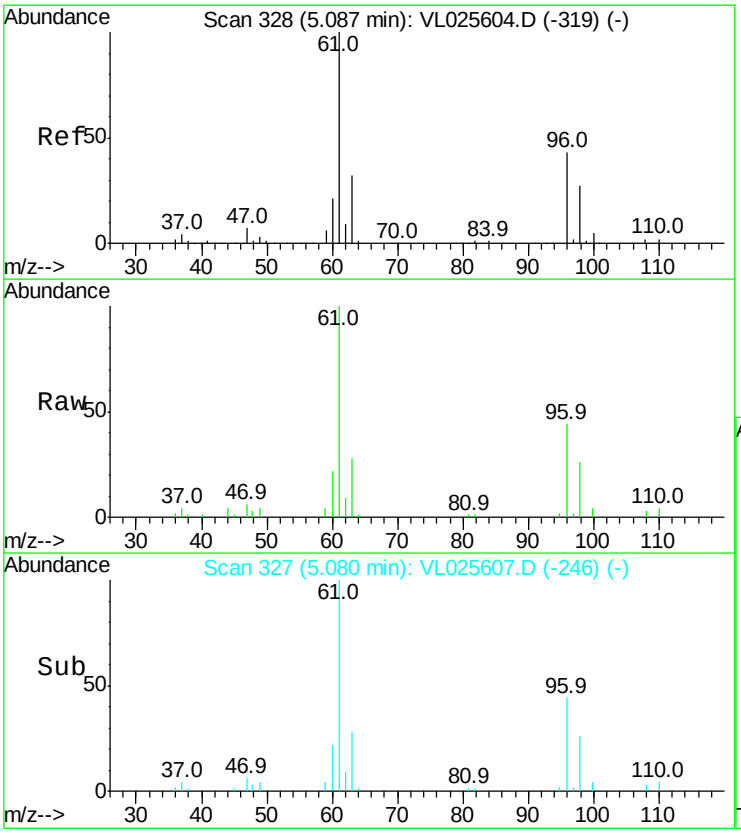
#17
tert-Butyl alcohol
Concen: 0.54 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.04 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 44214

Ion	Ratio	Lower	Upper
59	100		
57	13.3	9.4	14.2

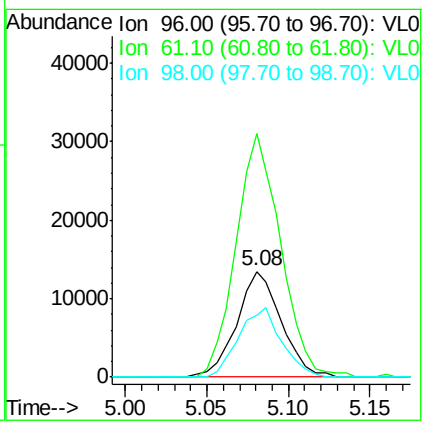


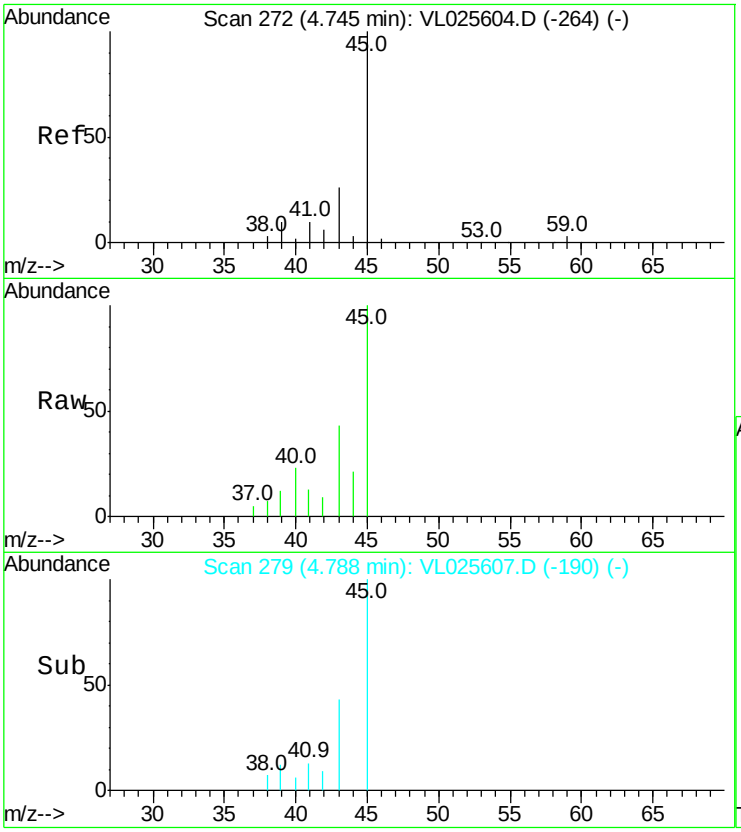


#18
1,1-Dichloroethene
Concen: 0.64 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 96 Resp: 25513

Ion	Ratio	Lower	Upper
96	100		
61	229.7	184.1	276.1
98	58.8	50.0	75.0



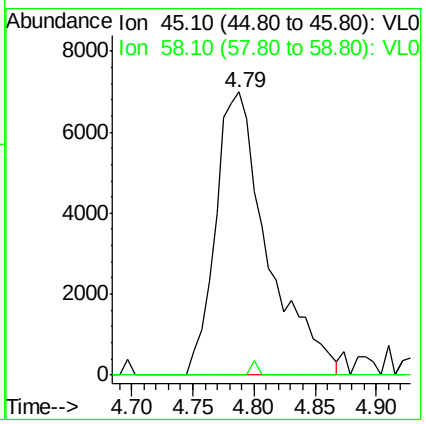


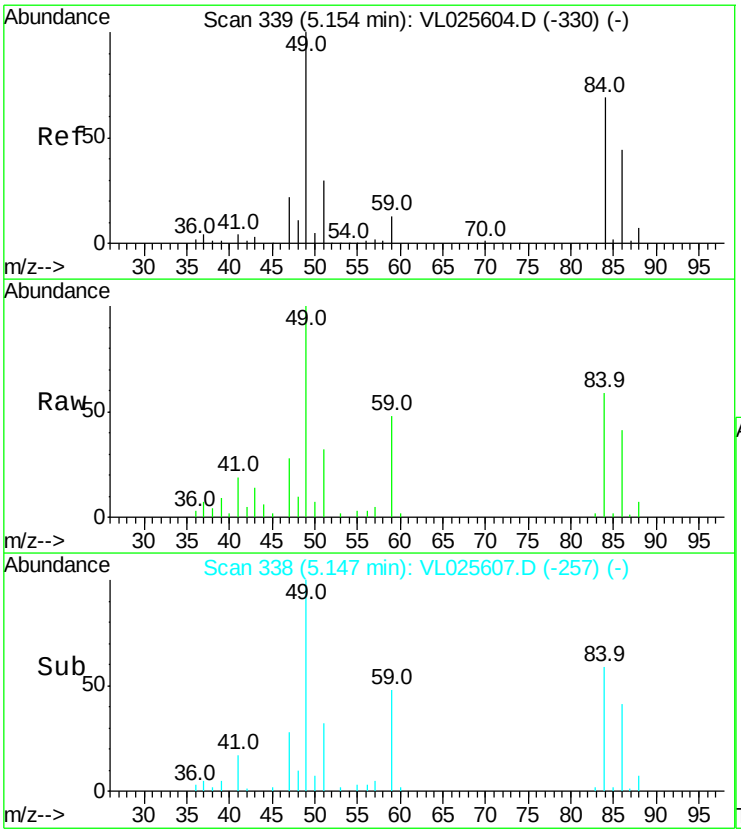
#19
Isopropyl Alcohol
Concen: 0.47 ppbv
RT: 4.79 min Scan# 279
Delta R.T. 0.04 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 20639

Ion	Ratio	Lower	Upper
45	100		
58	79.4	1.1	1.7#

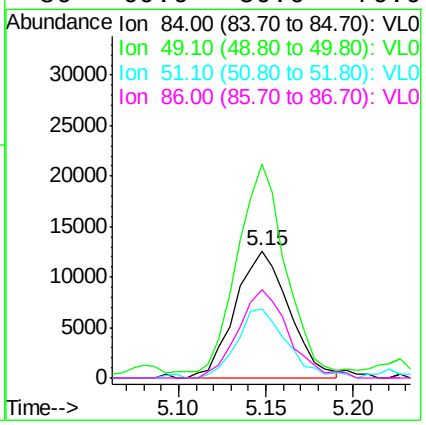


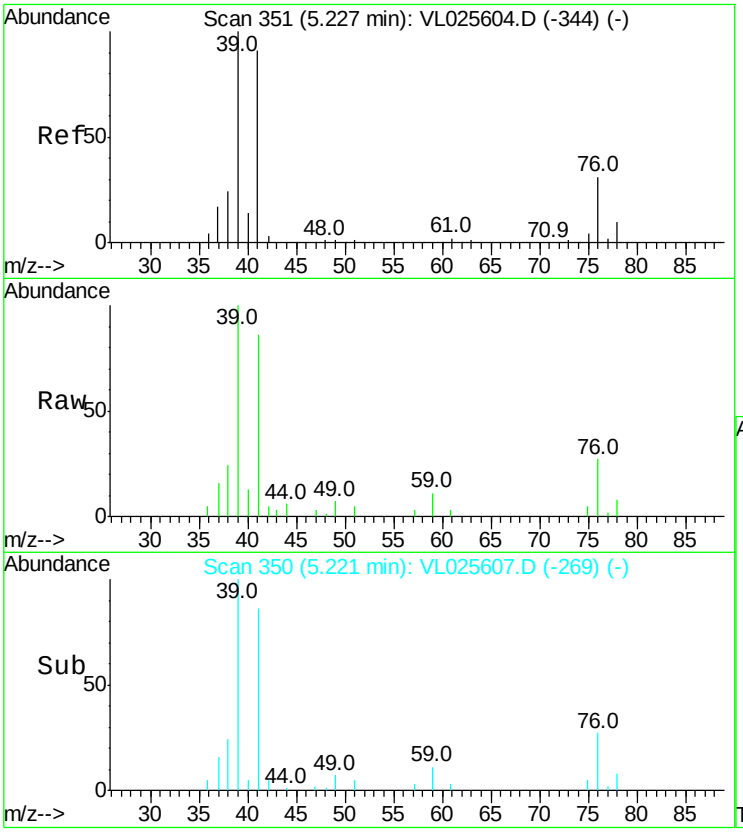


#20
Methylene Chloride
Concen: 0.65 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 84 Resp: 27032

Ion	Ratio	Lower	Upper
84	100		
49	163.4	115.2	172.8
51	54.0	35.0	52.6#
86	69.6	50.6	76.0



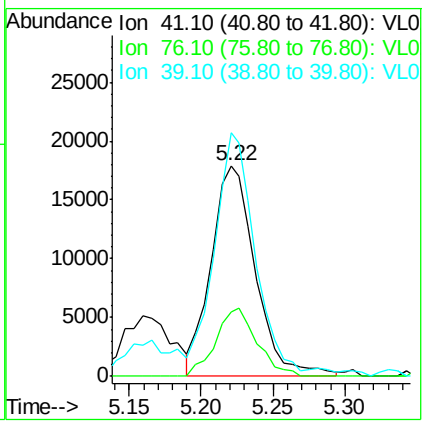


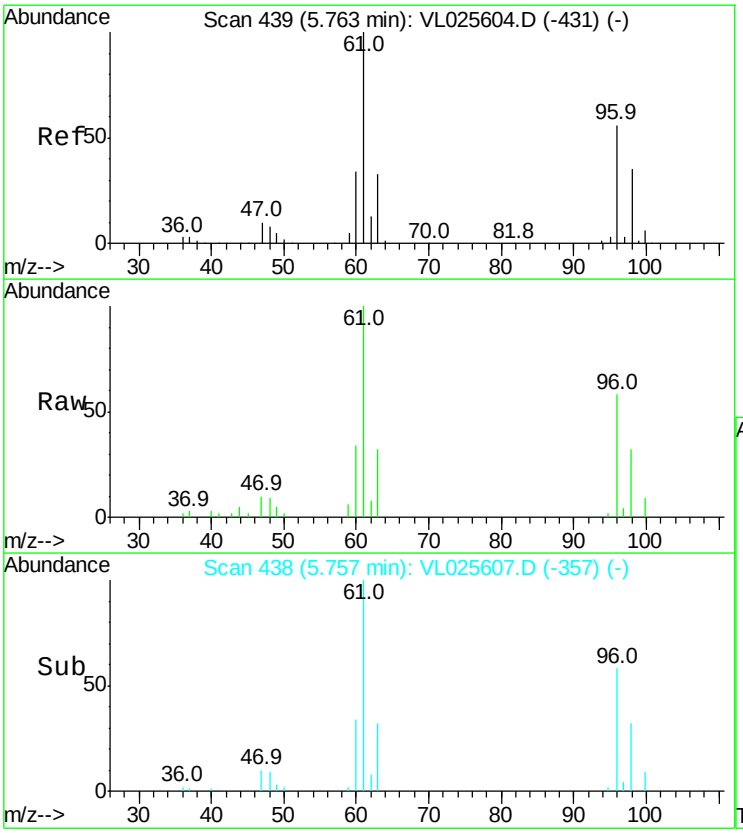
#21
Allyl Chloride
Concen: 0.61 ppbv
RT: 5.22 min Scan# 350
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 38532

Ion	Ratio	Lower	Upper
41	100		
76	29.9	26.6	40.0
39	129.1	88.2	132.4

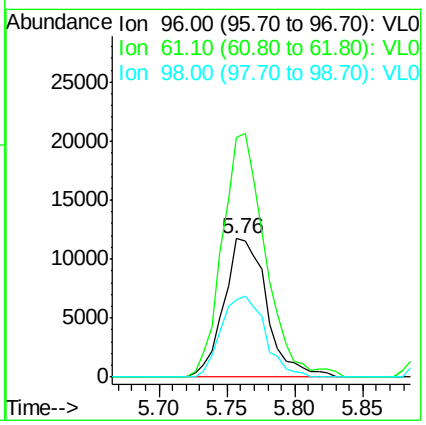


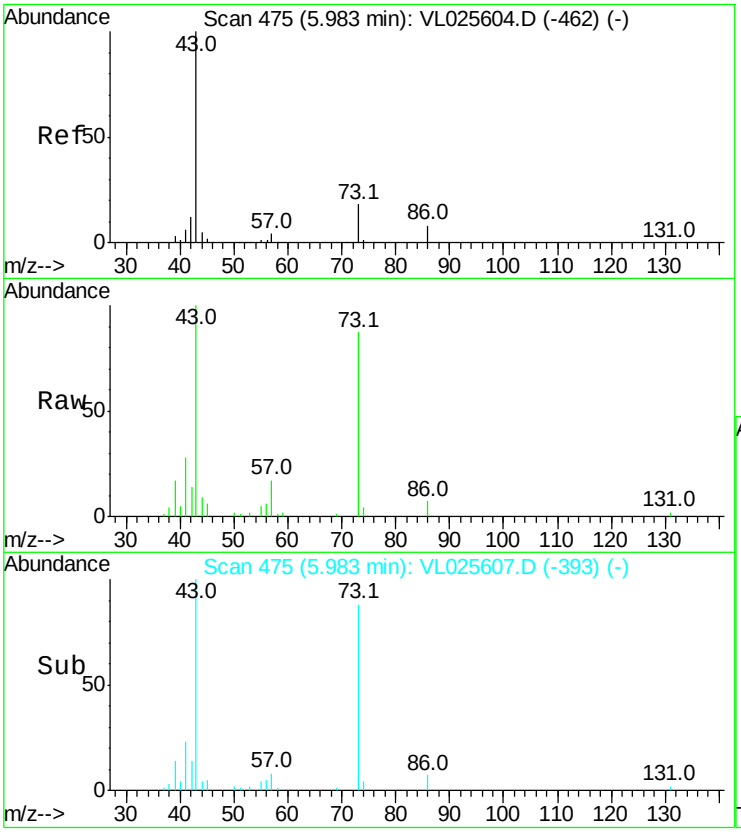


#22
trans-1,2-Dichloroethene
Concen: 0.56 ppbv
RT: 5.76 min Scan# 438
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 96 Resp: 25852

Ion	Ratio	Lower	Upper
96	100		
61	173.1	141.8	212.6
98	55.4	49.0	73.6



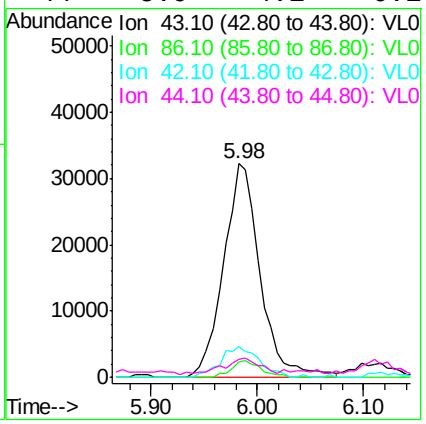


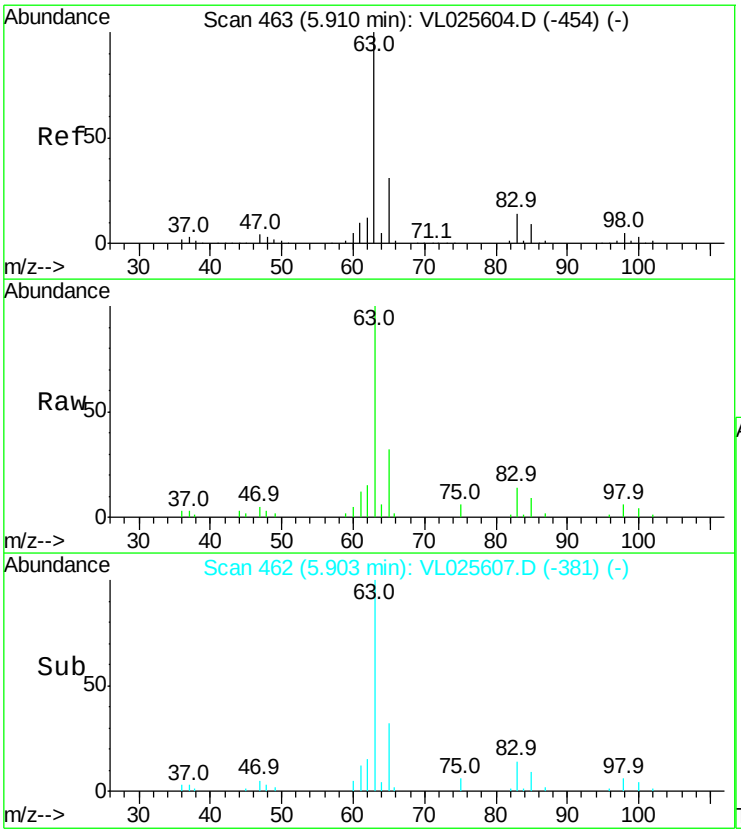
#23
Vinyl Acetate
Concen: 0.46 ppbv
RT: 5.98 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 77241

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.7	10.1
42	14.2	9.8	14.6
44	5.9	4.1	6.1

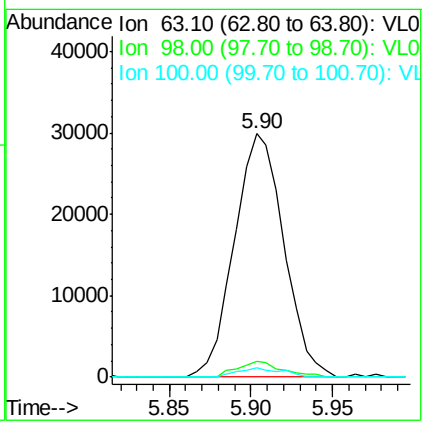


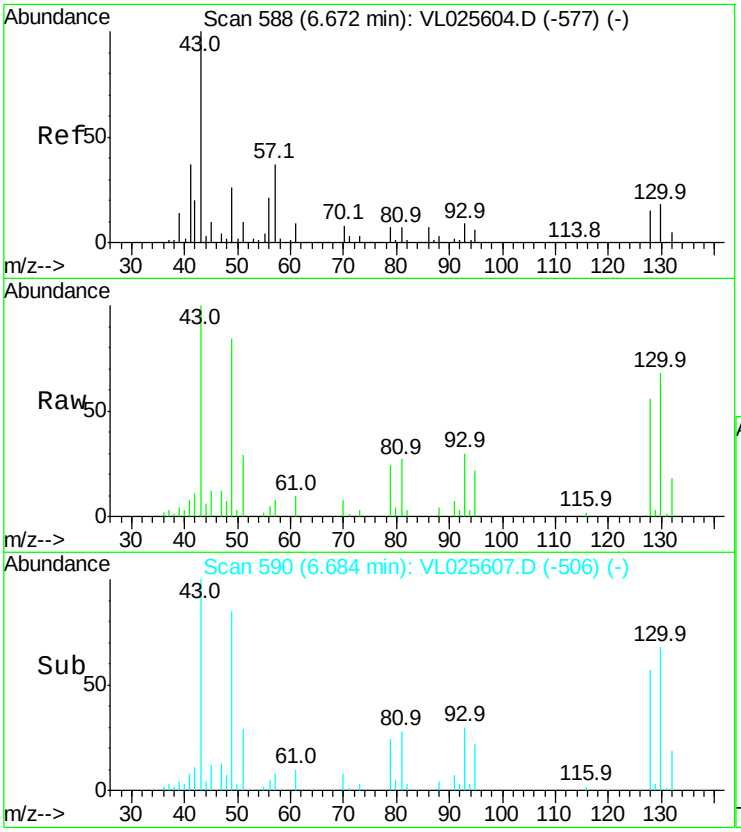


#24
1,1-Dichloroethane
Concen: 0.58 ppbv
RT: 5.90 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 63 Resp: 62997

Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.6	8.0
100	4.0	1.6	4.7



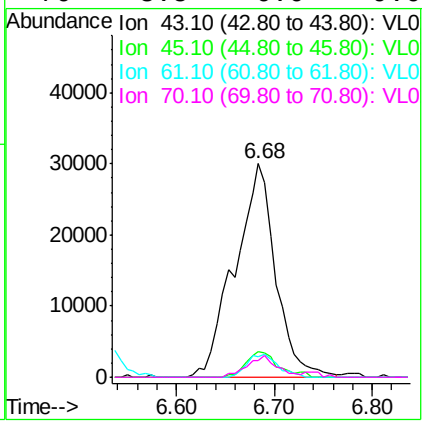


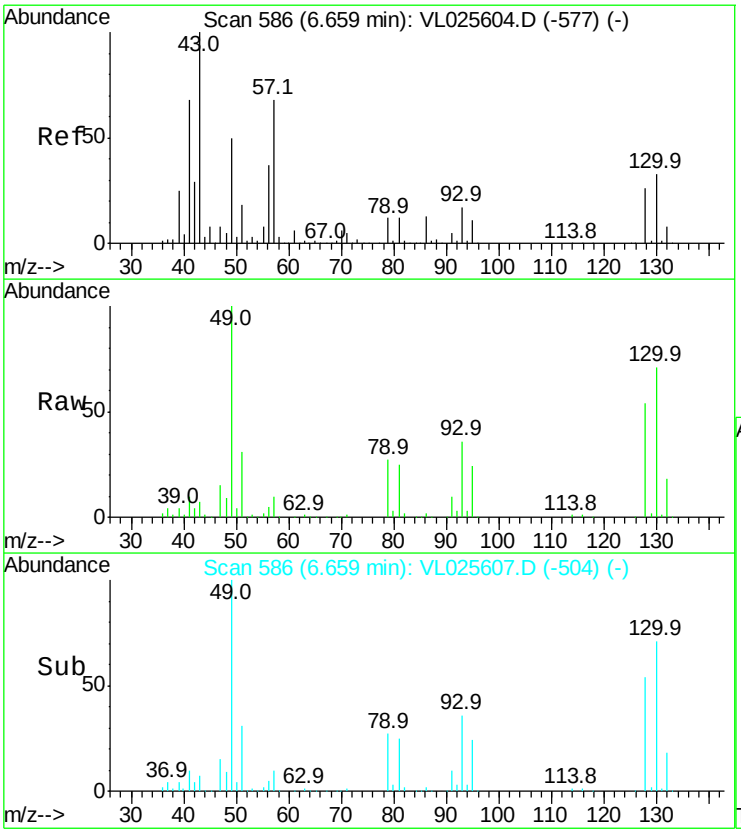
#25
Ethyl Acetate
Concen: 0.50 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 86725

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.5	11.3
61	8.2	6.6	10.0
70	8.5	6.0	9.0

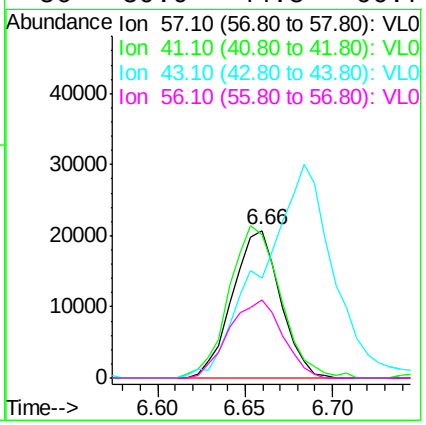


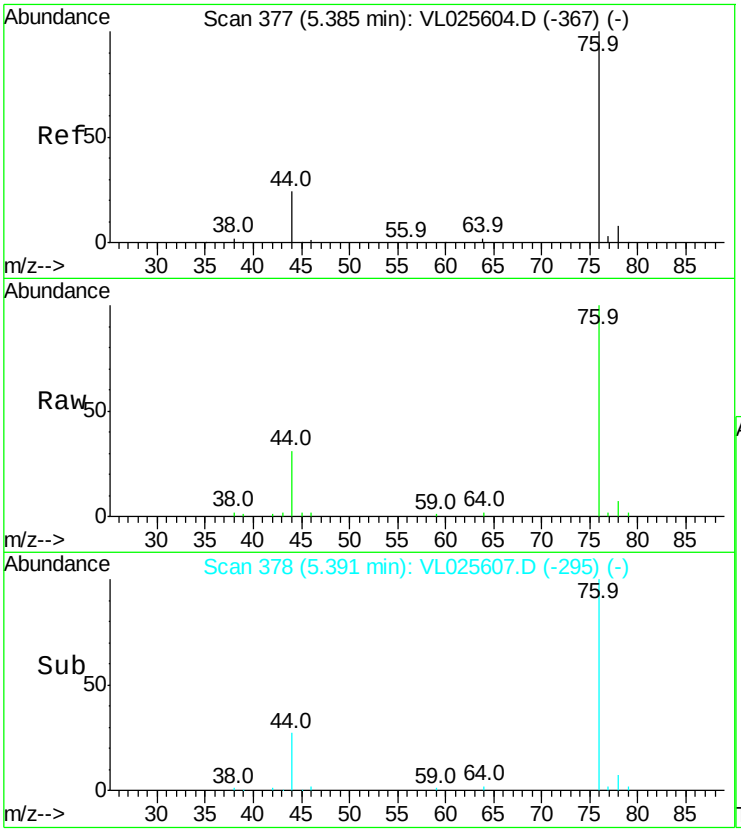


#26
Hexane
Concen: 0.49 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 57 Resp: 39559

Ion	Ratio	Lower	Upper
57	100		
41	111.1	81.4	122.2
43	221.7	171.4	257.2
56	59.0	44.5	66.7



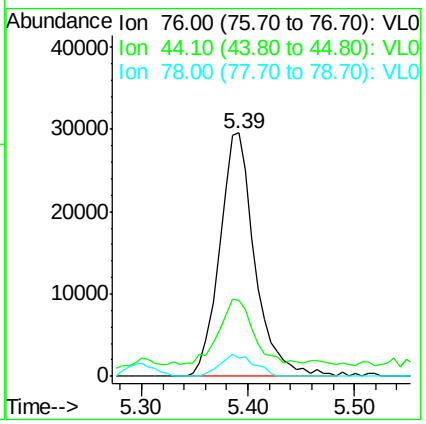


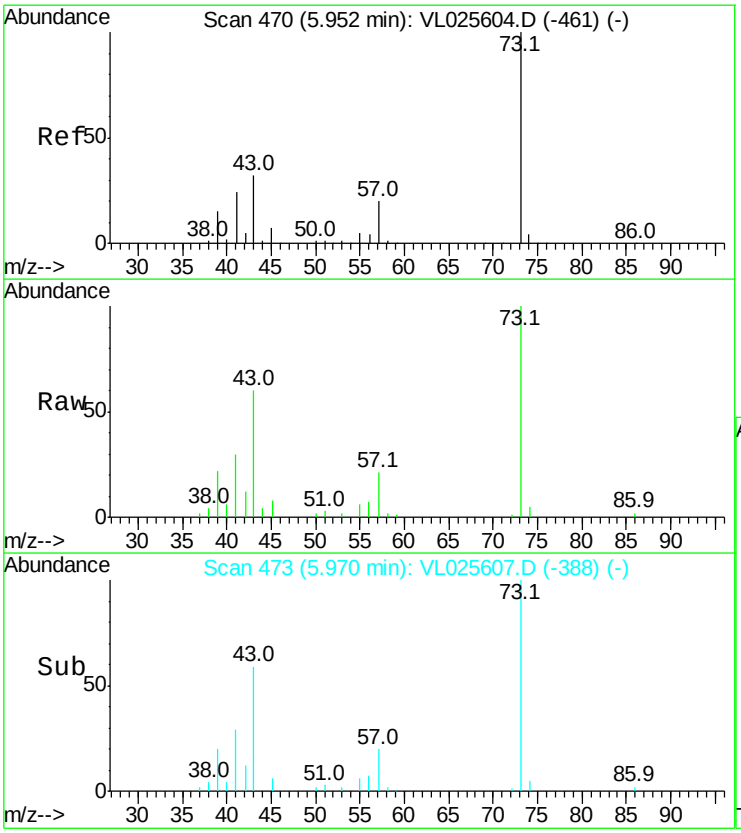
#27
Carbon Disulfide
Concen: 0.61 ppbv
RT: 5.39 min Scan# 378
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 68214

Ion	Ratio	Lower	Upper
76	100		
44	37.8	20.2	30.4#
78	8.7	7.4	11.2

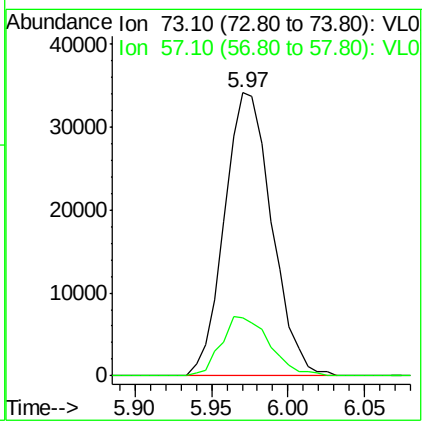


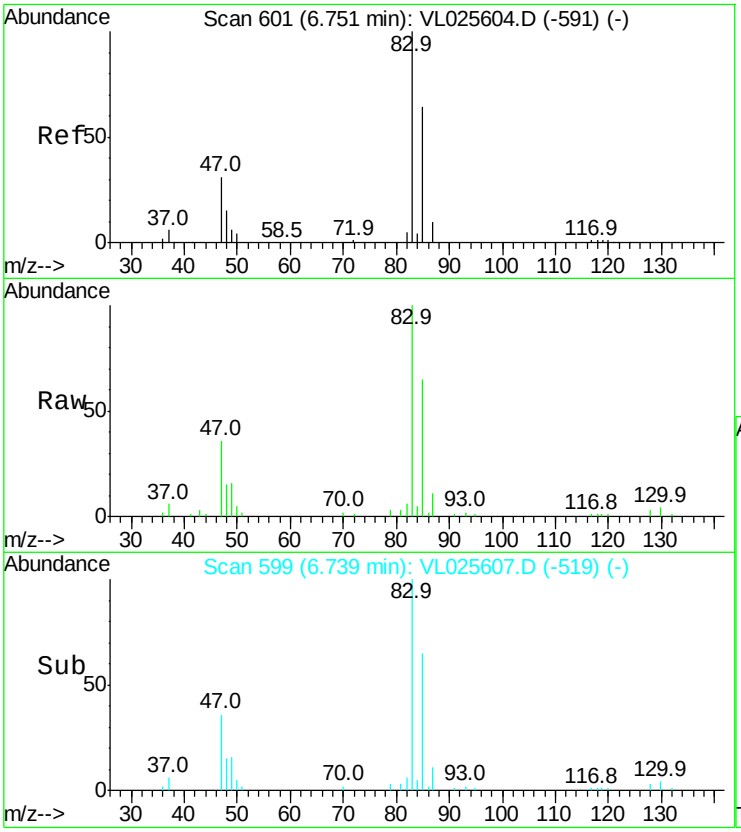


#28
Methyl tert-Butyl Ether
Concen: 0.49 ppbv
RT: 5.97 min Scan# 473
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 73 Resp: 73333

Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.0	24.0



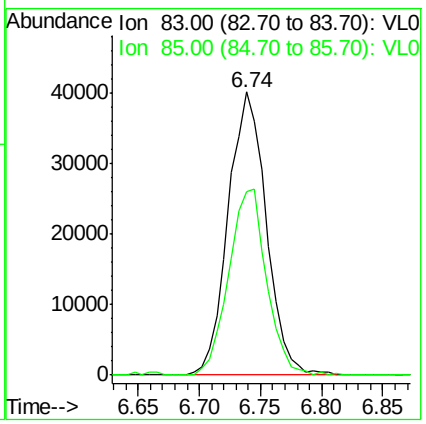


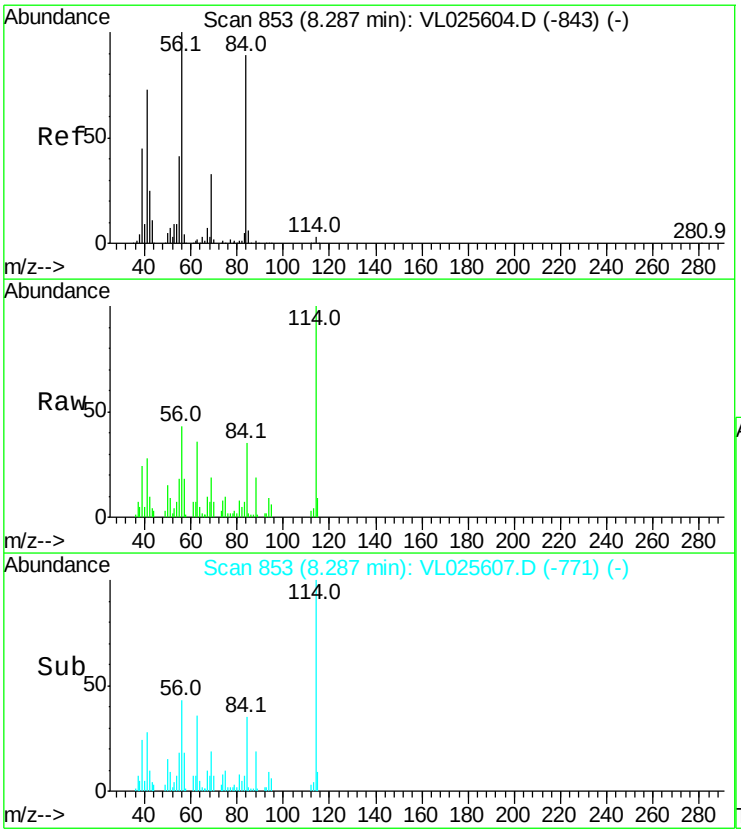
#29
Chloroform
Concen: 0.64 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 86425

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4

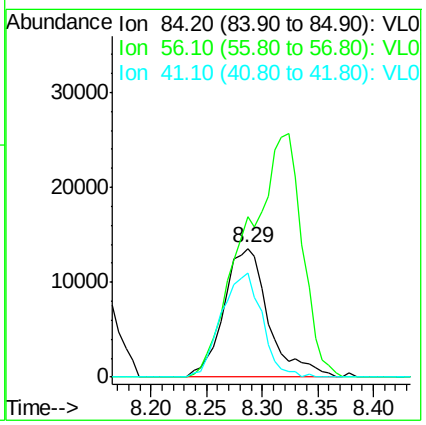


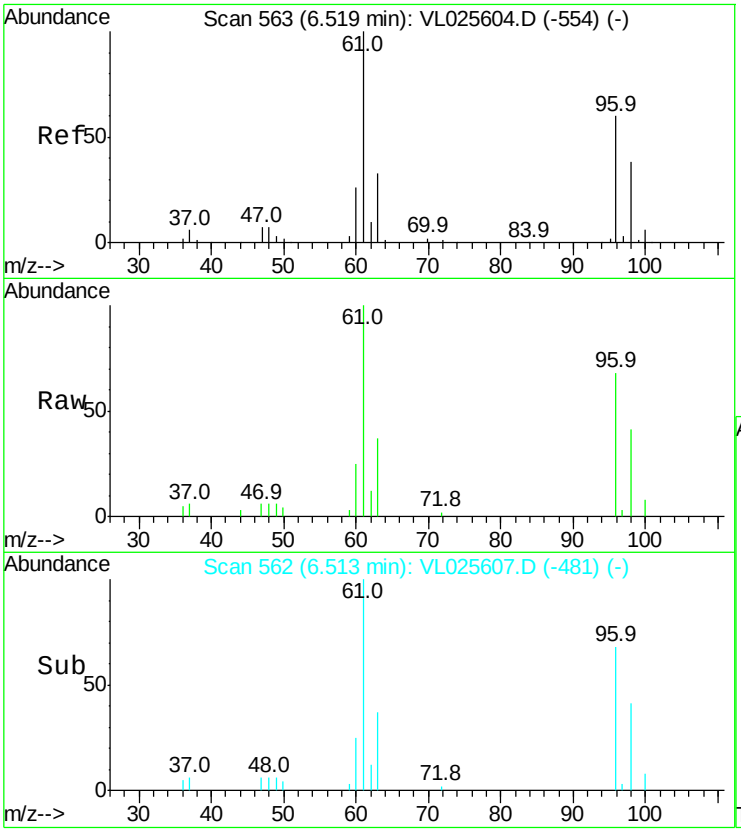


#30
Cyclohexane
Concen: 0.51 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 84 Resp: 37745

Ion	Ratio	Lower	Upper
84	100		
56	240.3	97.5	146.3#
41	73.5	65.4	98.2



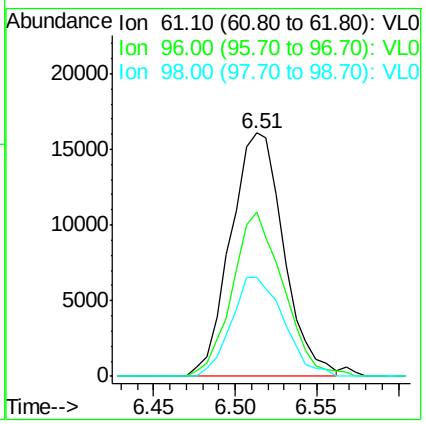


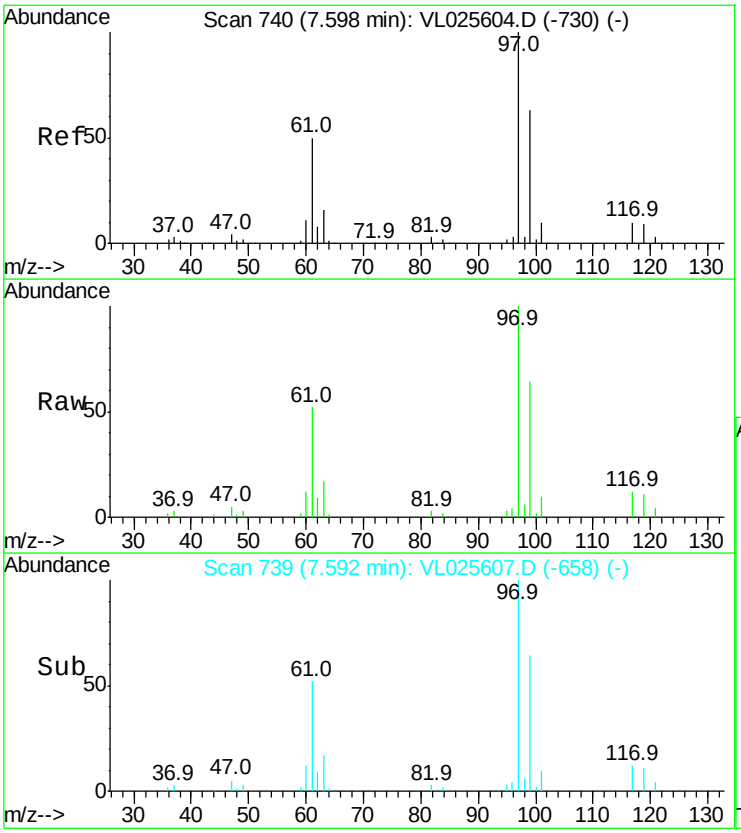
#31
cis-1,2-Dichloroethene
Concen: 0.47 ppbv
RT: 6.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 36462

Ion	Ratio	Lower	Upper
61	100		
96	67.6	48.1	72.1
98	40.6	30.7	46.1

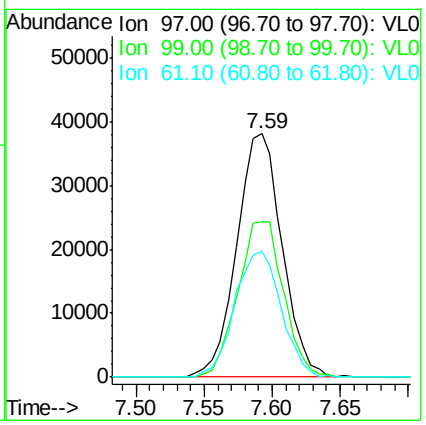


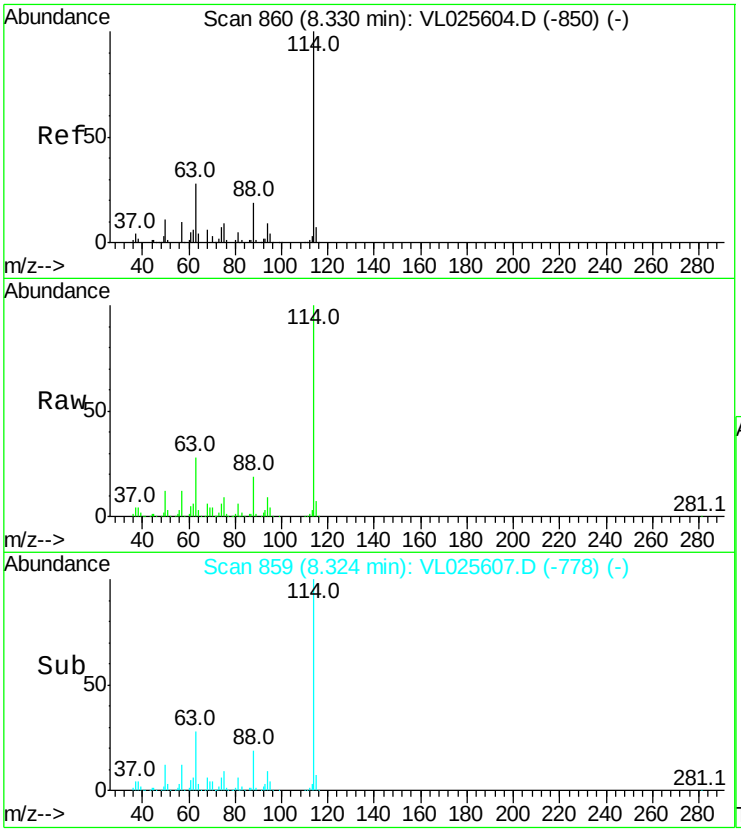


#32
1,1,1-Trichloroethane
Concen: 0.58 ppbv
RT: 7.59 min Scan# 739
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 97 Resp: 88828

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	53.0	40.4	60.6



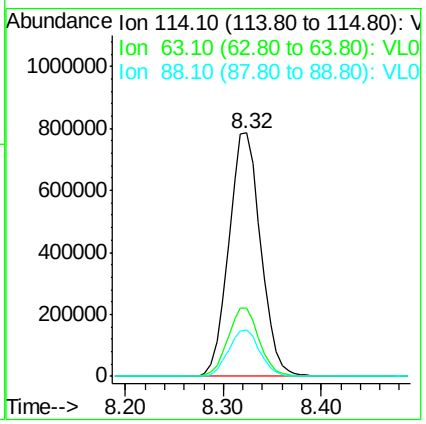


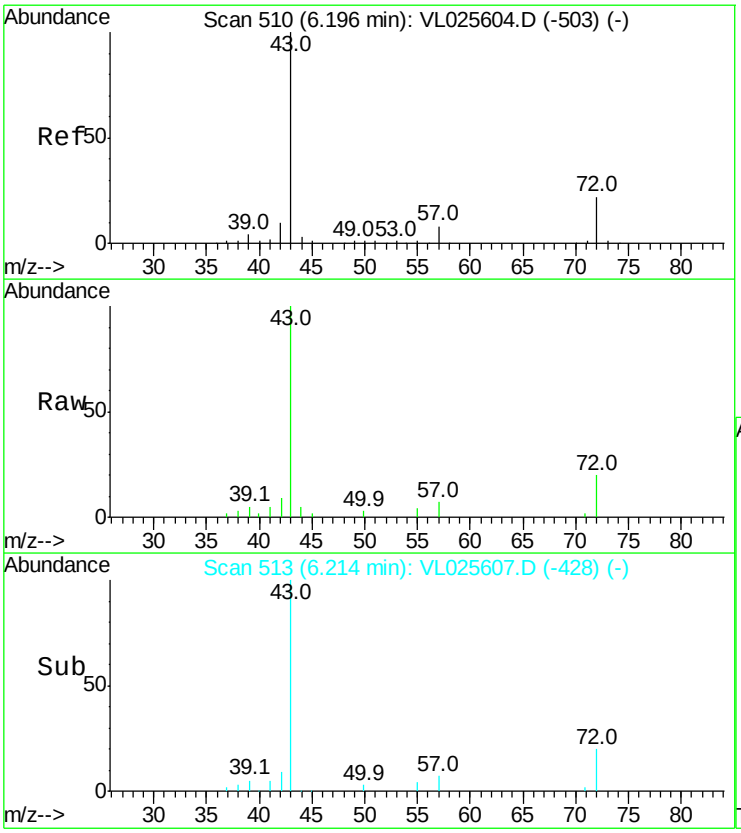
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 1774587

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	18.8	15.0	22.4

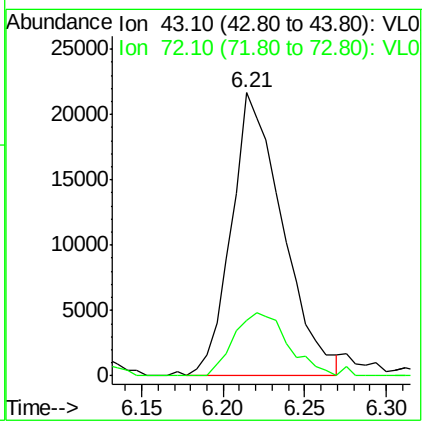


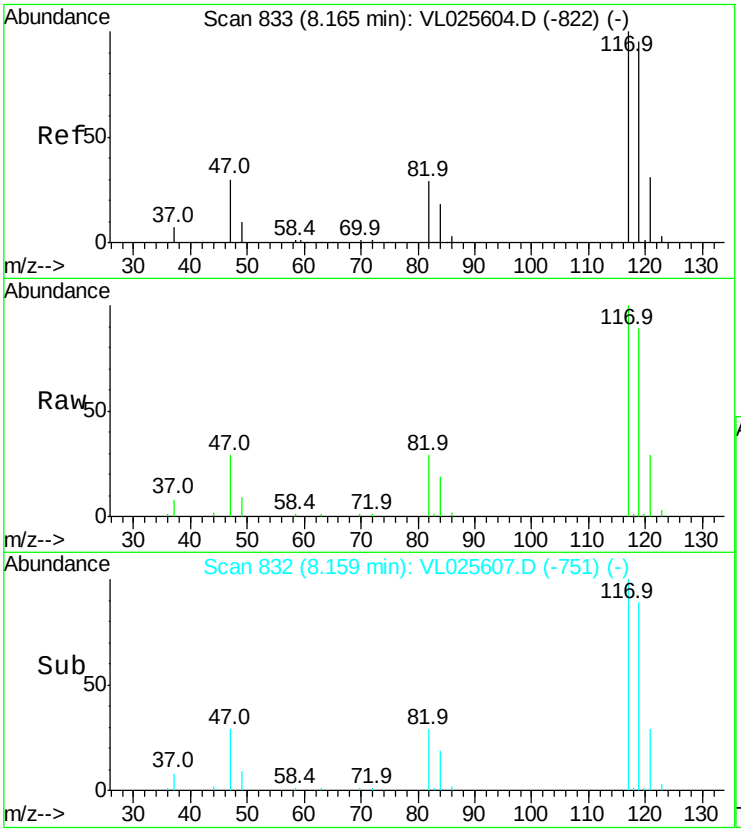


#34
2-Butanone
Concen: 0.45 ppbv
RT: 6.21 min Scan# 513
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 43 Resp: 47480

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.6	28.0



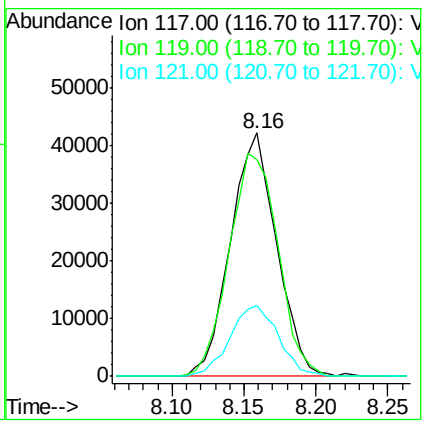


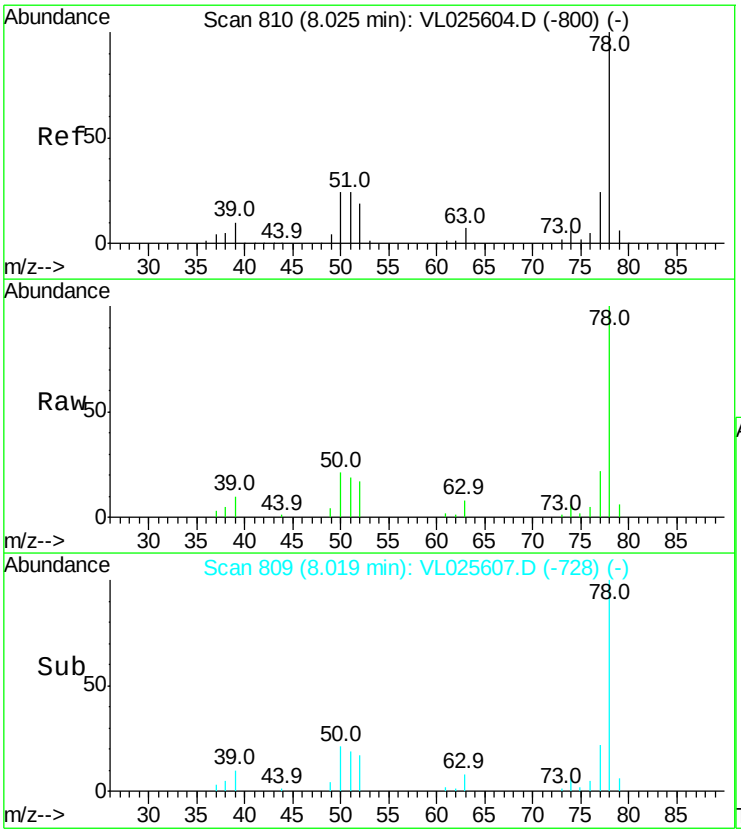
#35
Carbon Tetrachloride
Concen: 0.58 ppbv
RT: 8.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 93853

Ion	Ratio	Lower	Upper
117	100		
119	89.1	75.9	113.9
121	29.1	24.4	36.6

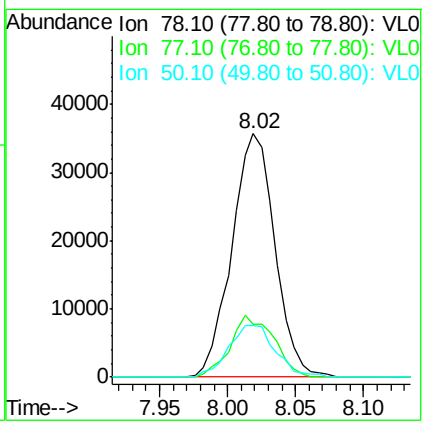


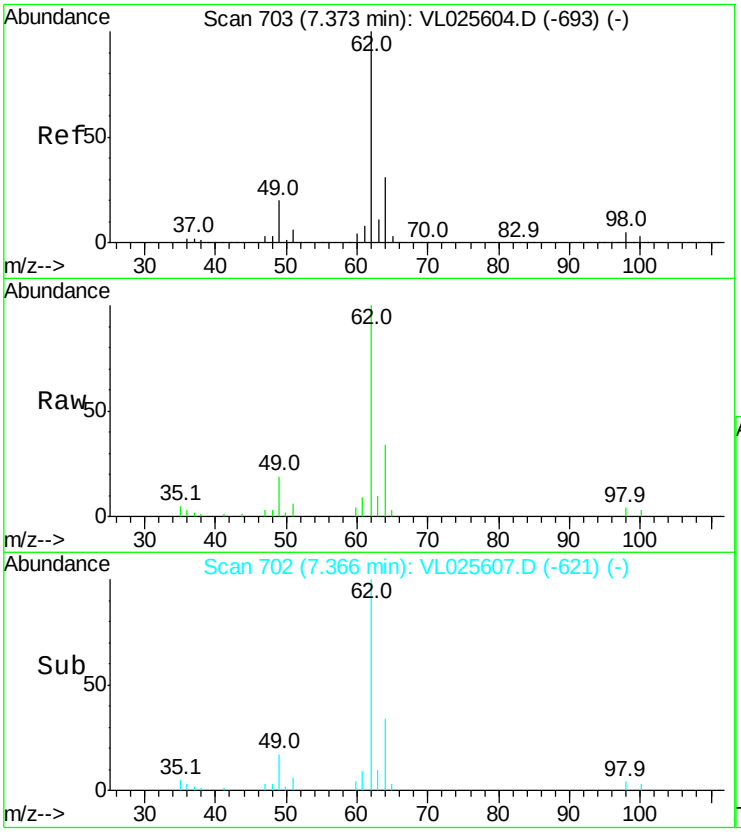


#36
Benzene
Concen: 0.45 ppbv
RT: 8.02 min Scan# 809
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 78 Resp: 79006

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.0	28.4
50	21.1	19.2	28.8



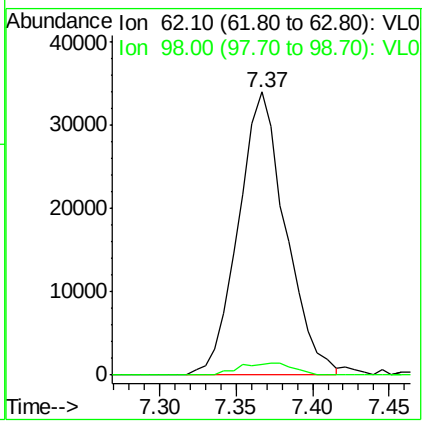


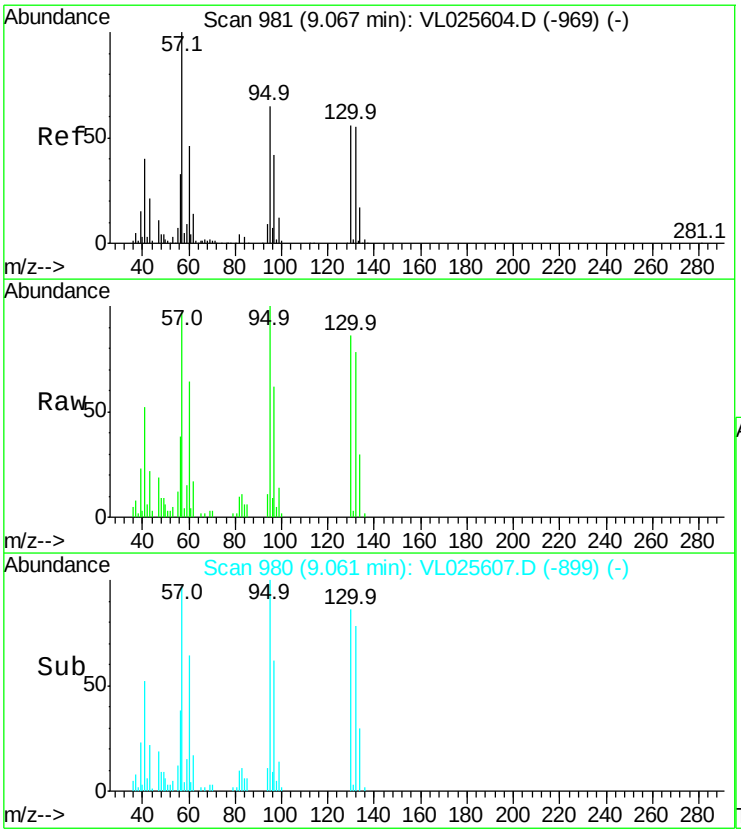
#37
1,2-Dichloroethane
Concen: 0.60 ppbv
RT: 7.37 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 72939

Ion	Ratio	Lower	Upper
62	100		
98	4.7	4.1	6.1

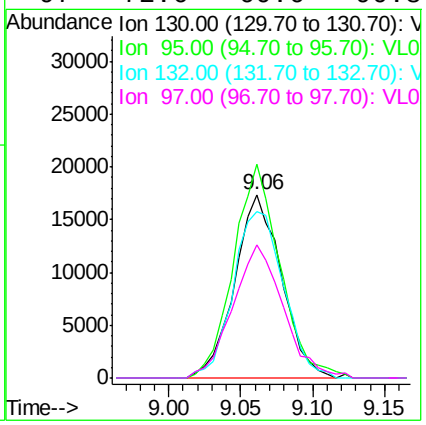


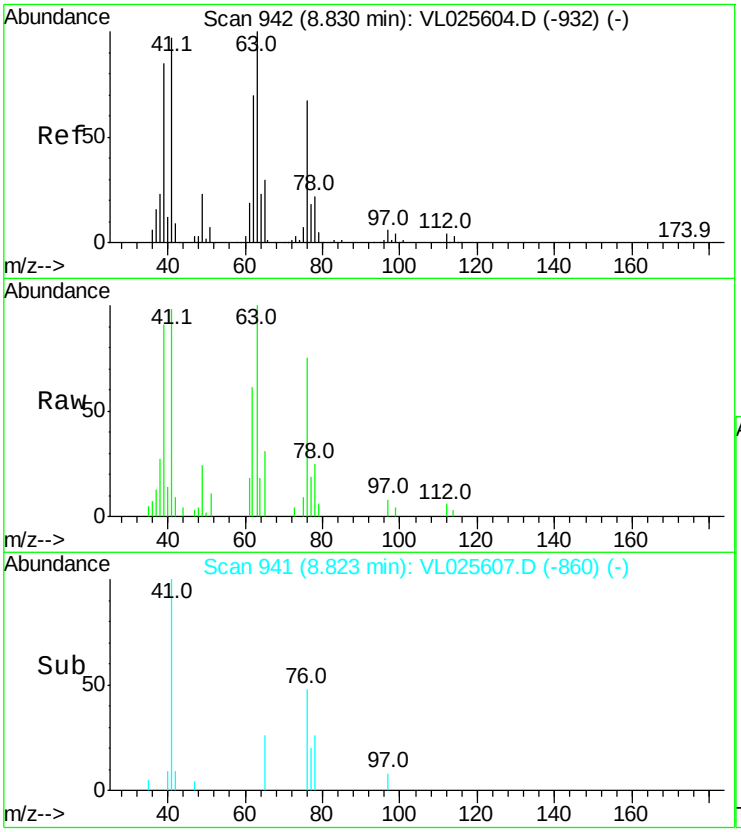


#38
Trichloroethene
Concen: 0.52 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:130 Resp: 39092

Ion	Ratio	Lower	Upper
130	100		
95	116.3	94.2	141.4
132	90.7	78.6	118.0
97	72.6	60.6	90.8



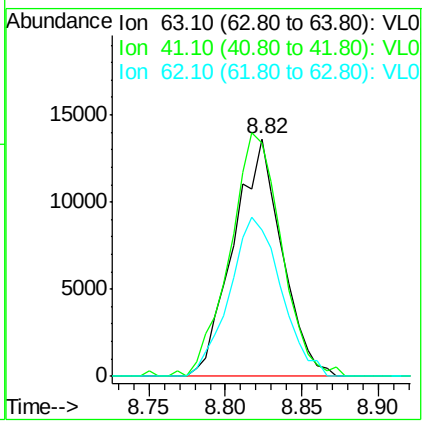


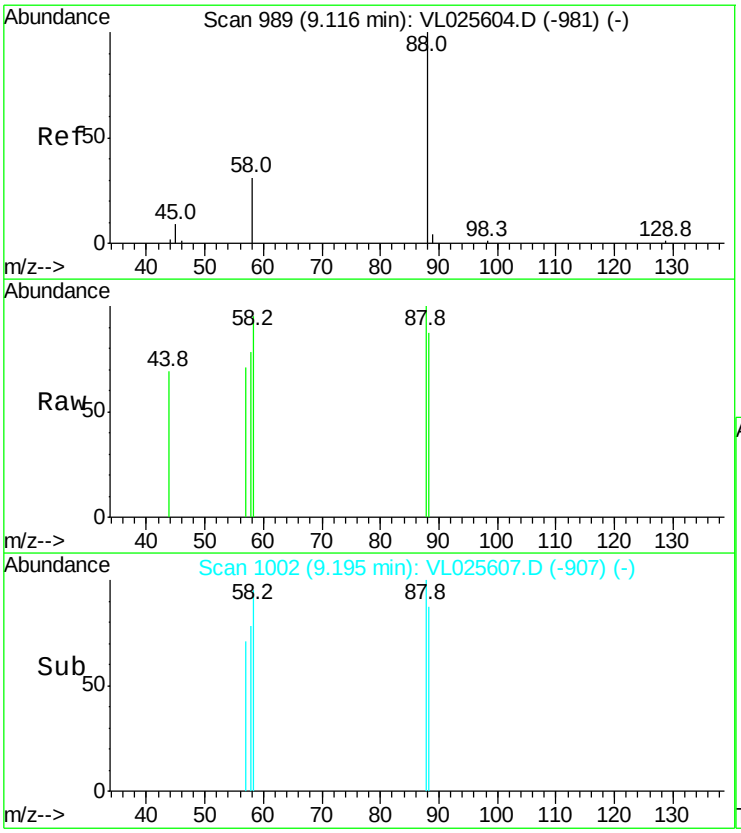
#39
1,2-Dichloropropane
Concen: 0.46 ppbv
RT: 8.82 min Scan# 941
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 30149

Ion	Ratio	Lower	Upper
63	100		
41	98.4	78.0	117.0
62	61.5	55.7	83.5

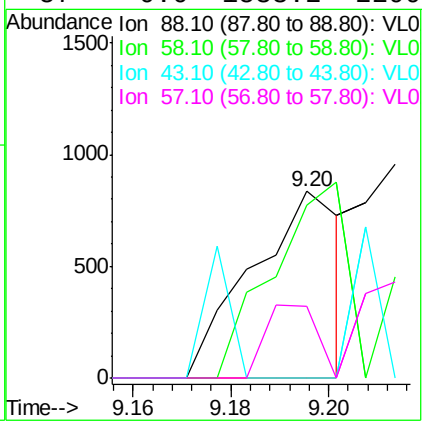


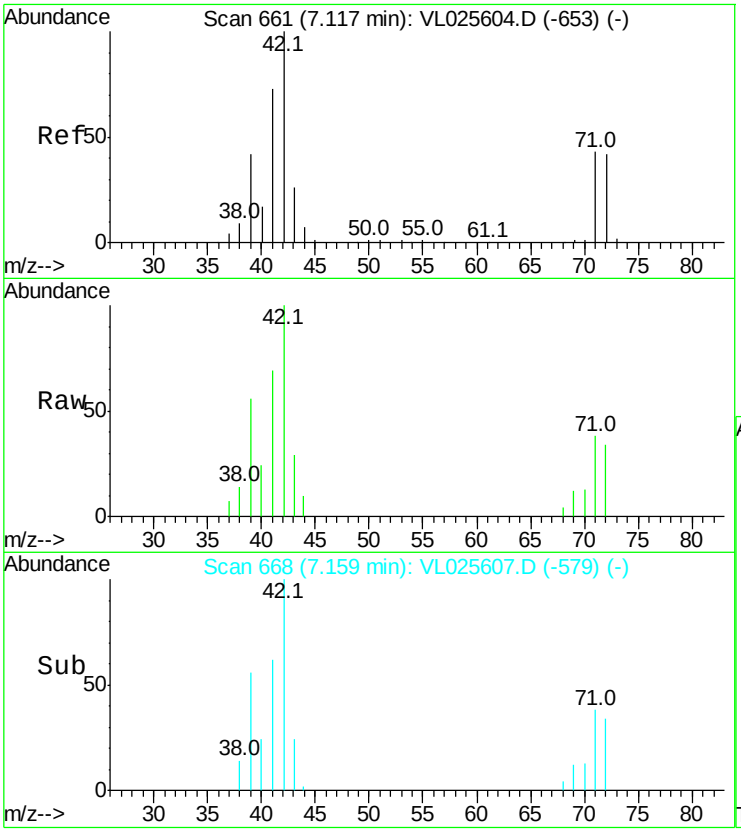


#40
1,4-Dioxane
Concen: 0.07 ppbv
RT: 9.20 min Scan# 1002
Delta R.T. 0.08 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 88 Resp: 1061

Ion	Ratio	Lower	Upper
88	100		
58	136.2	127.1	190.7
43	0.0	337.7	506.5#
57	0.0	1533.2	2299.8#



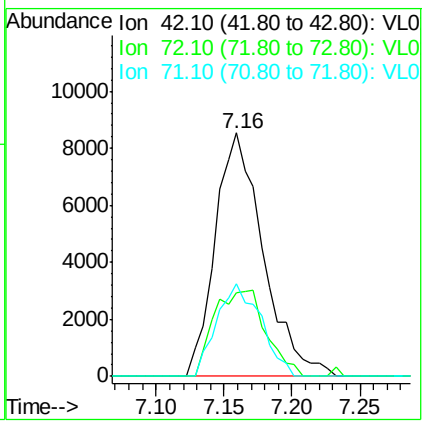


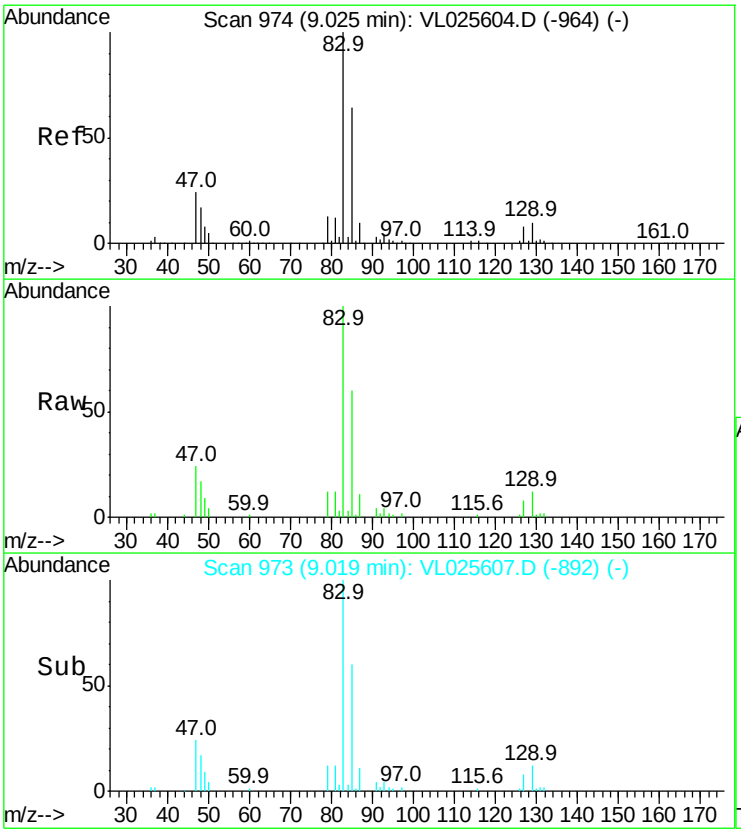
#41
Tetrahydrofuran
Concen: 0.37 ppbv
RT: 7.16 min Scan# 668
Delta R.T. 0.04 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 20963

Ion	Ratio	Lower	Upper
42	100		
72	38.8	34.0	51.0
71	35.0	33.0	49.6

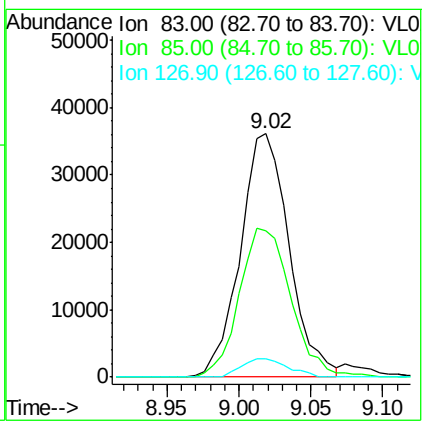


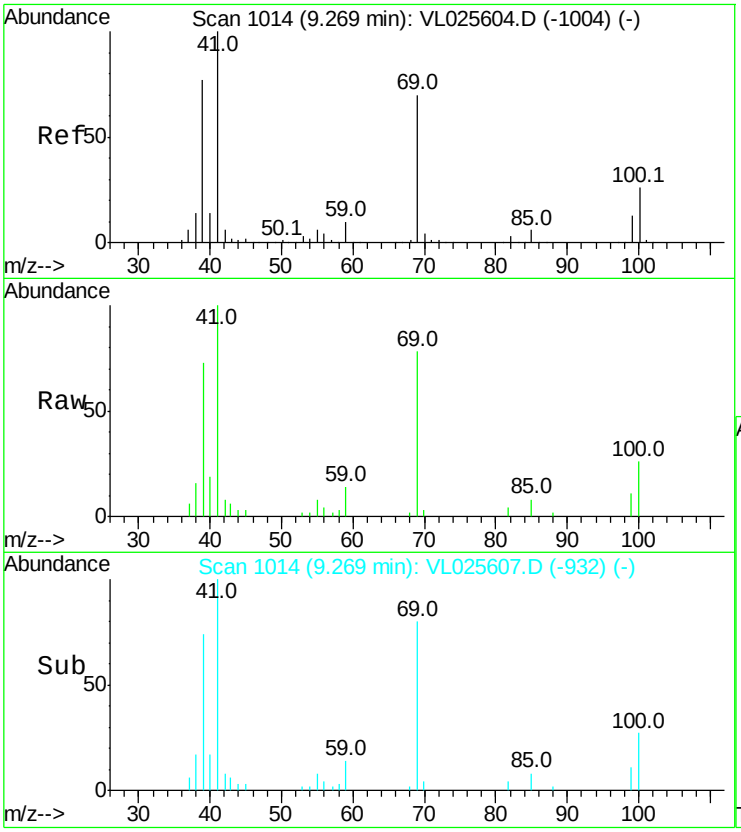


#42
Bromodichloromethane
Concen: 0.56 ppbv
RT: 9.02 min Scan# 973
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 83 Resp: 84993

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.3	76.9
127	7.7	6.0	9.0



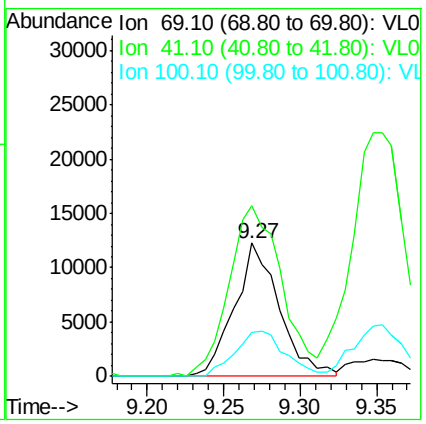


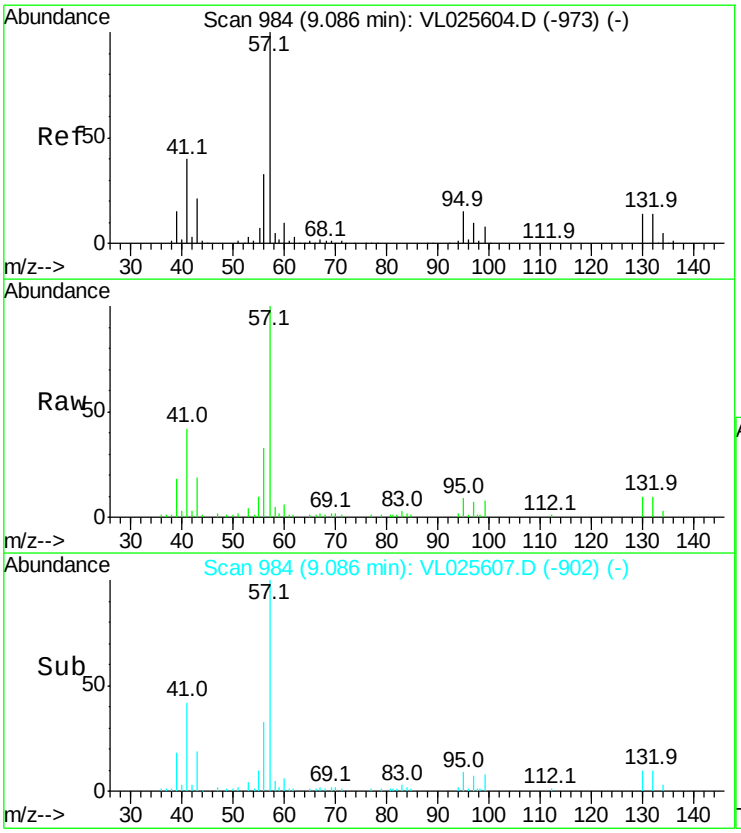
#43
Methyl Methacrylate
Concen: 0.38 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 69 Resp: 25011

Ion	Ratio	Lower	Upper
69	100		
41	150.5	117.3	175.9
100	37.5	29.0	43.6

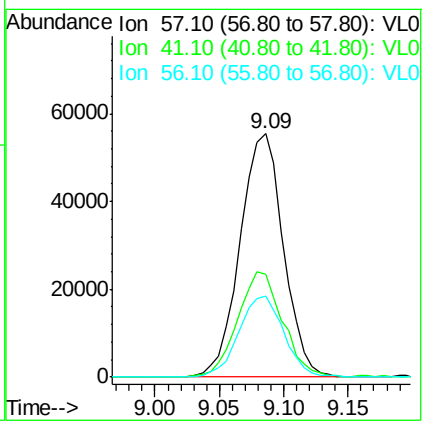


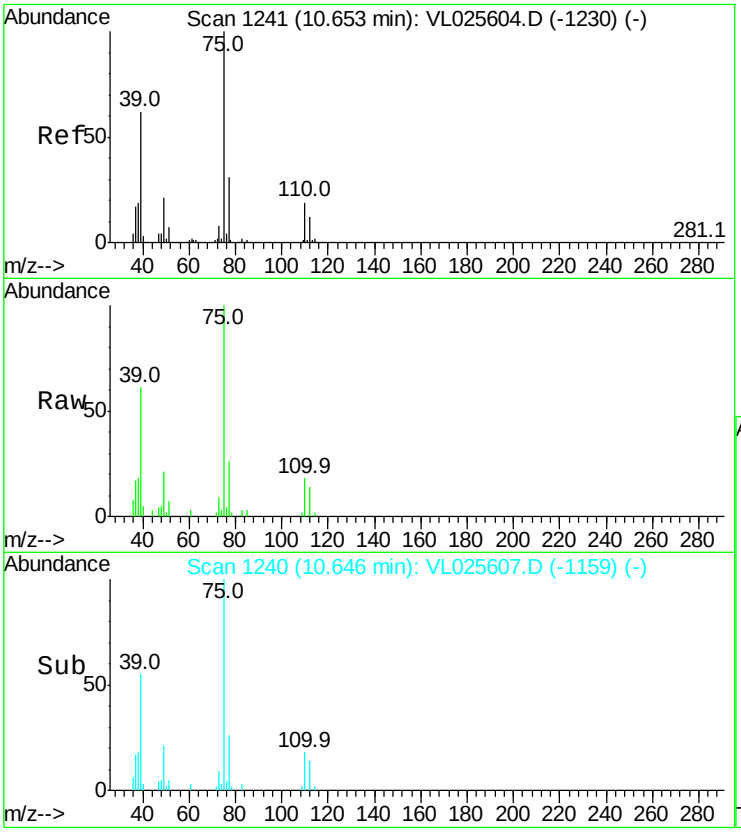


#44
2,2,4-Trimethylpentane
Concen: 0.43 ppbv
RT: 9.09 min Scan# 984
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 57 Resp: 129242

Ion	Ratio	Lower	Upper
57	100		
41	45.1	31.2	46.8
56	34.6	25.4	38.2



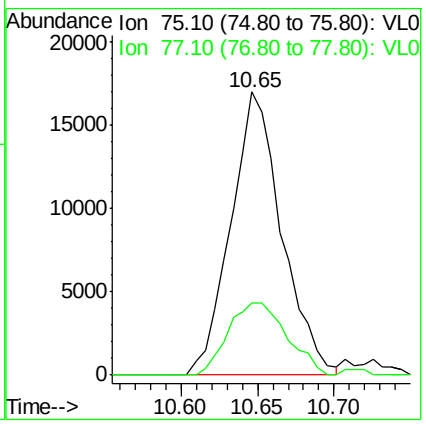


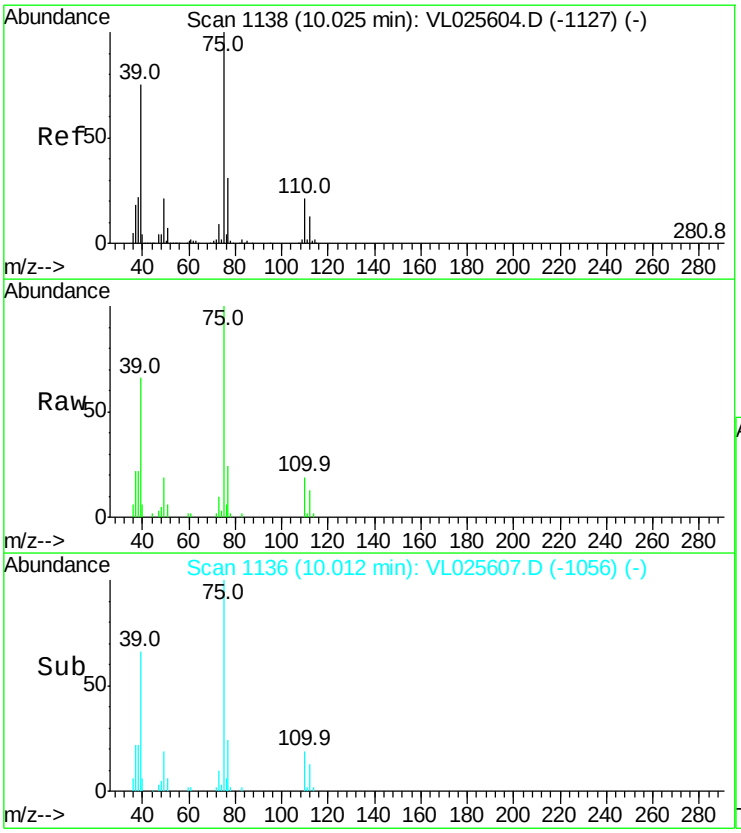
#45
t-1,3-Dichloropropene
Concen: 0.39 ppbv
RT: 10.65 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 75 Resp: 39258

Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.6	37.0

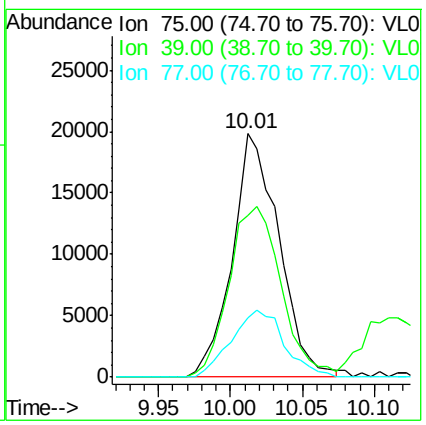


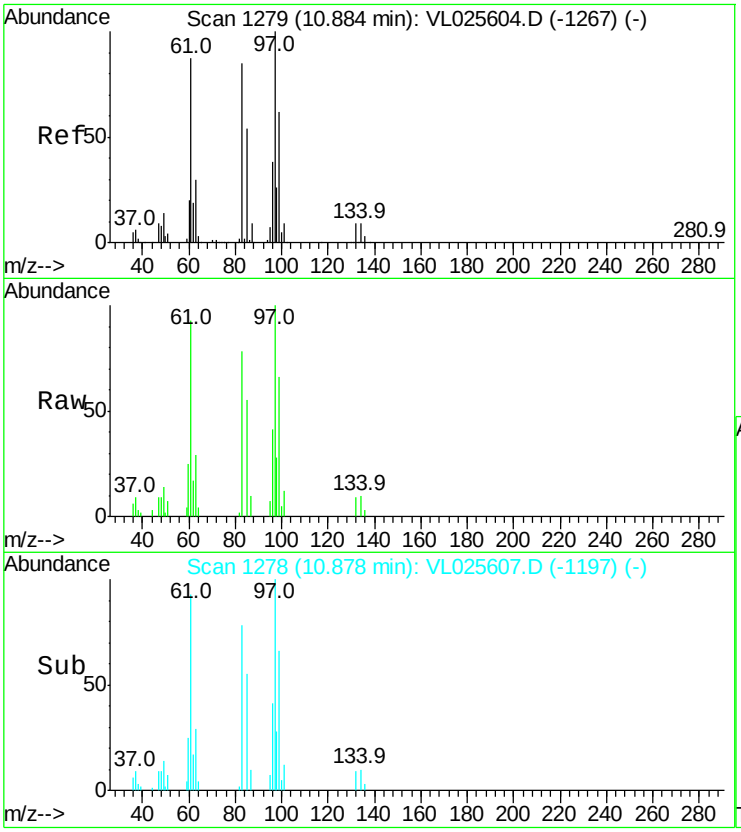


#46
cis-1,3-Dichloropropene
Concen: 0.38 ppbv
RT: 10.01 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 75 Resp: 44593

Ion	Ratio	Lower	Upper
75	100		
39	66.4	60.4	90.6
77	24.2	24.6	37.0#



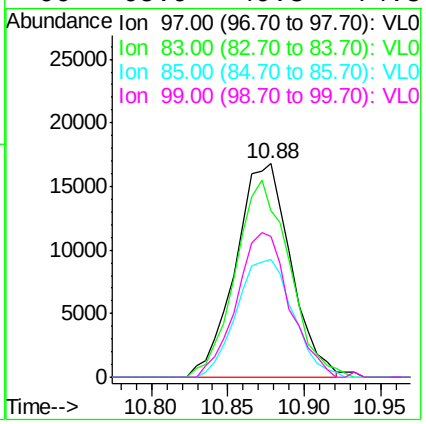


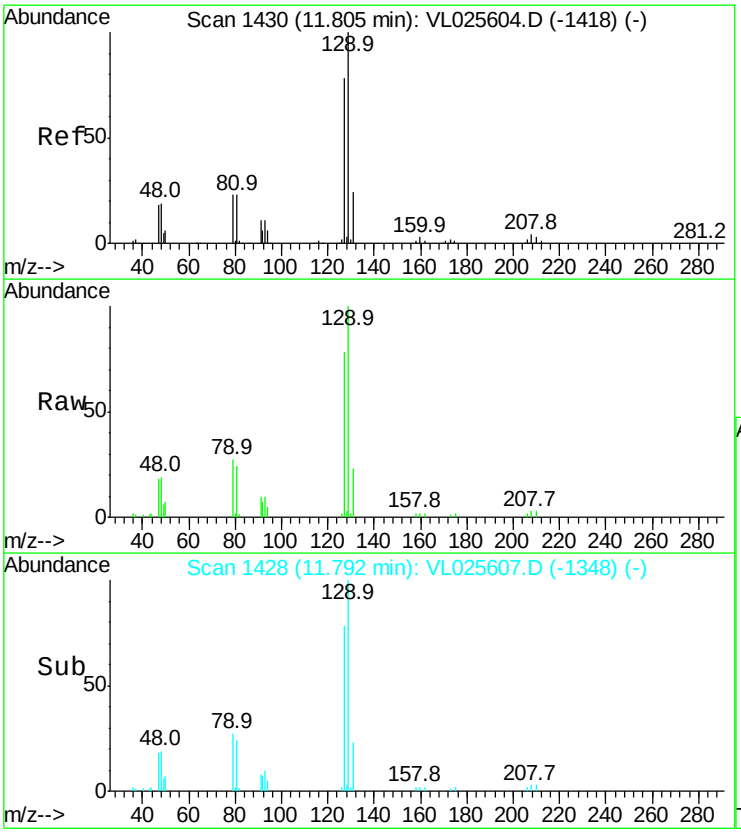
#47
1,1,2-Trichloroethane
Concen: 0.52 ppbv
RT: 10.88 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 42153

Ion	Ratio	Lower	Upper
97	100		
83	78.2	67.8	101.8
85	55.1	43.5	65.3
99	65.9	49.8	74.8

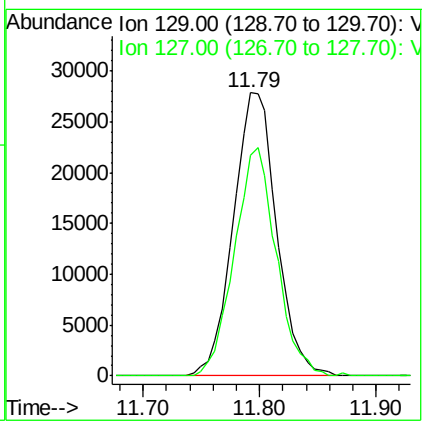


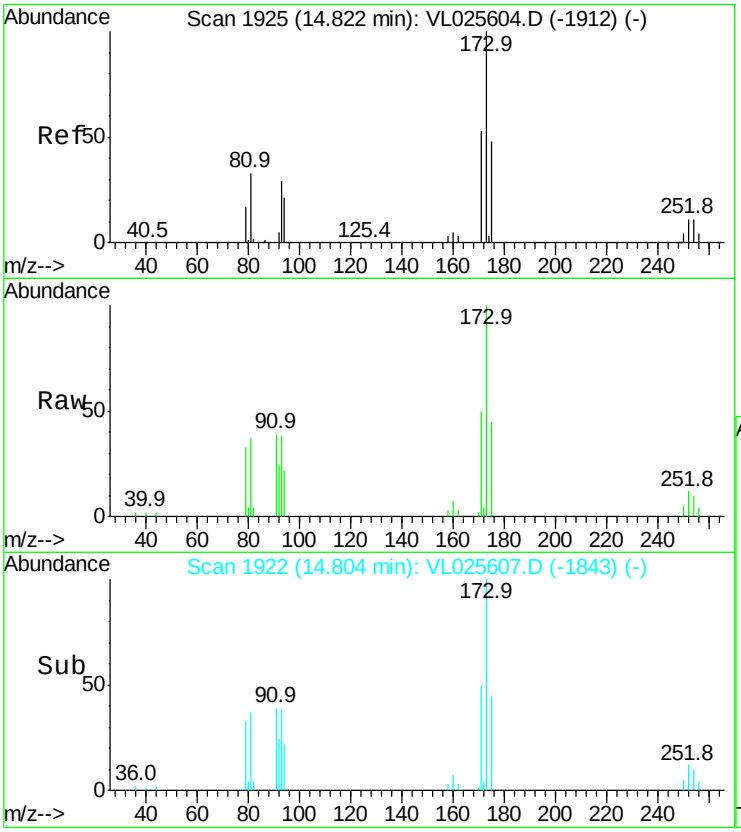


#48
Dibromochloromethane
Concen: 0.55 ppbv
RT: 11.79 min Scan# 1428
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:129 Resp: 72172

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	116.9



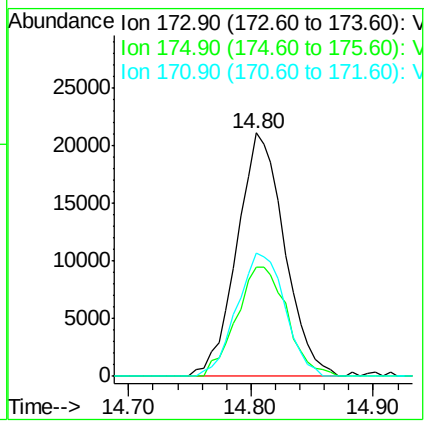


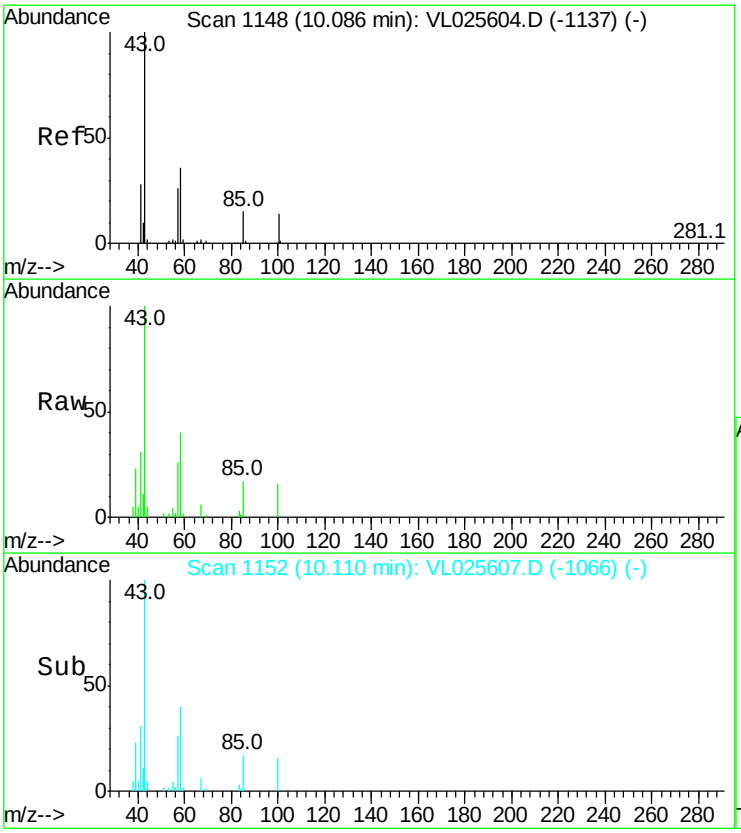
#49
Bromoform
Concen: 0.54 ppbv
RT: 14.80 min Scan# 1922
Delta R.T. -0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:173 Resp: 57025

Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.5	59.3
171	51.0	42.2	63.2

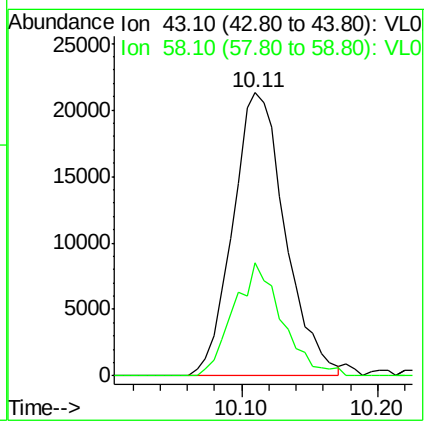


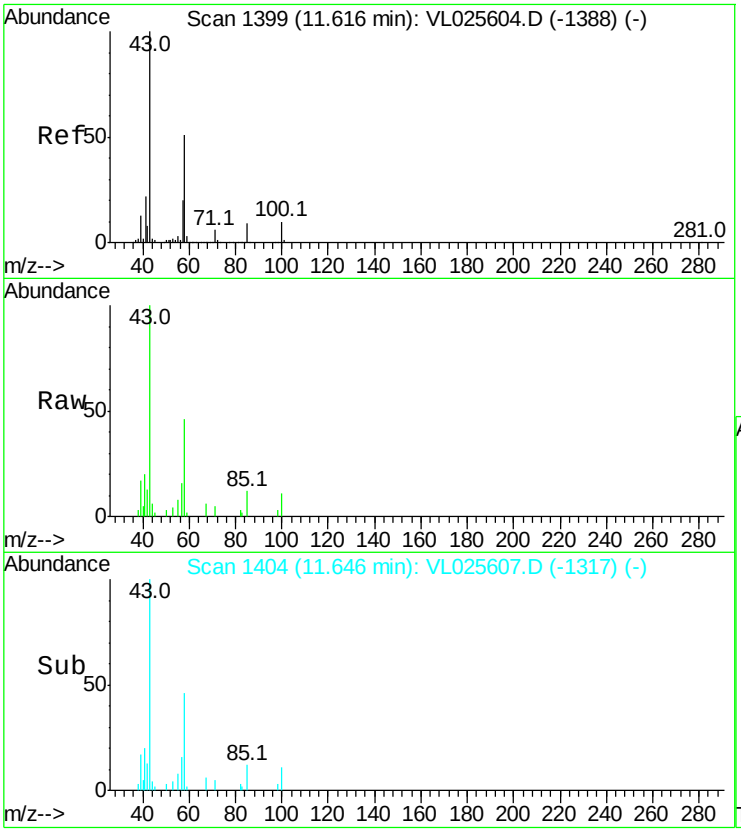


#50
4-Methyl-2-Pentanone
Concen: 0.40 ppbv
RT: 10.11 min Scan# 1152
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 43 Resp: 57209

Ion	Ratio	Lower	Upper
43	100		
58	37.0	28.5	42.7



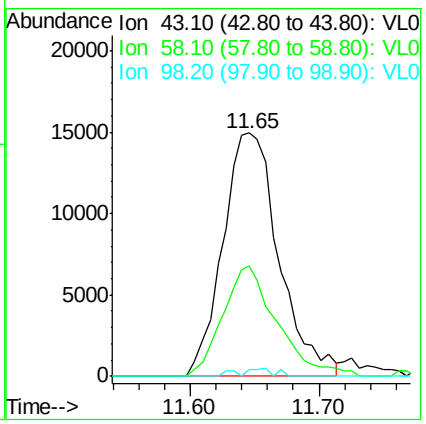


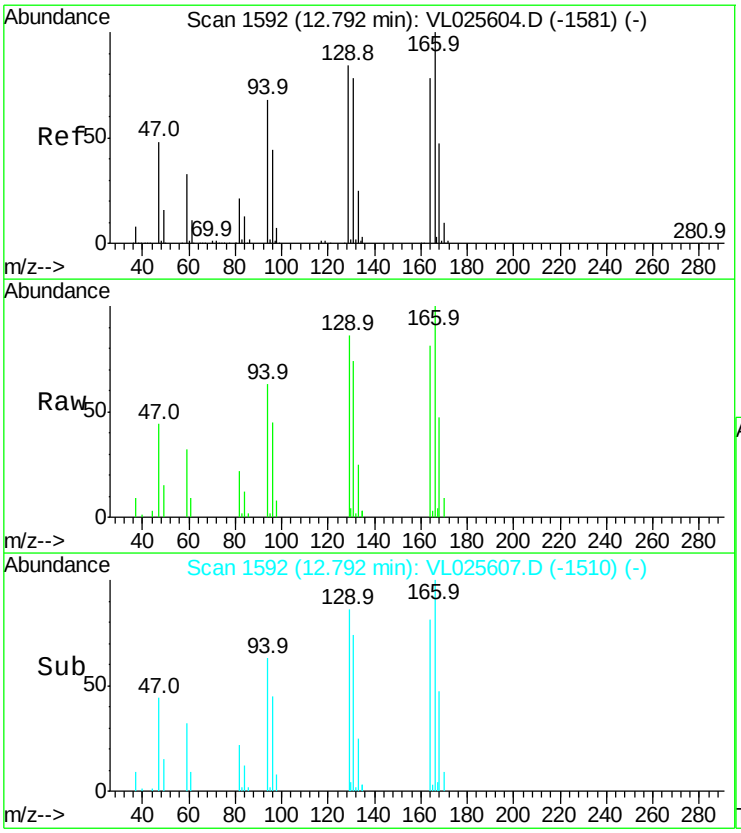
#51
2-Hexanone
Concen: 0.35 ppbv
RT: 11.65 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 45083

Ion	Ratio	Lower	Upper
43	100		
58	44.1	39.0	58.6
98	1.9	0.2	0.4#

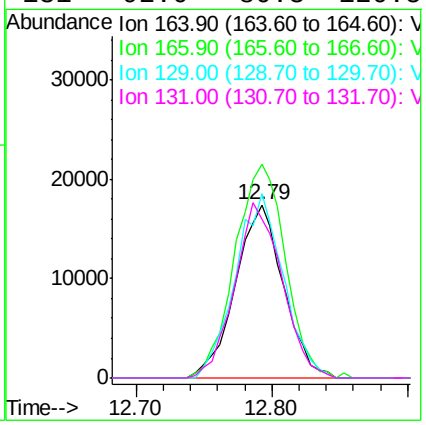


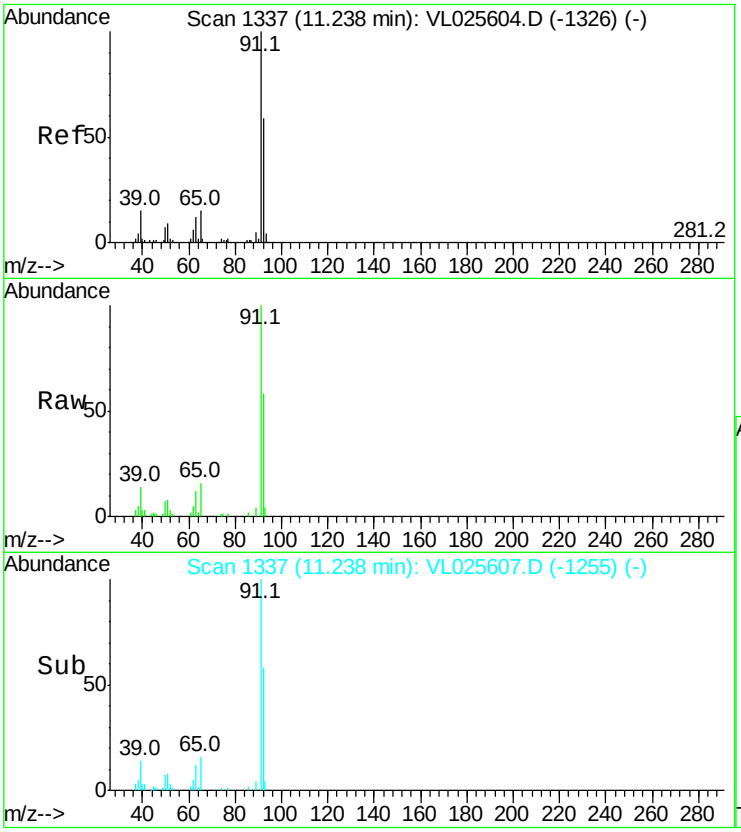


#52
Tetrachloroethene
Concen: 0.53 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:164 Resp: 42863

Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.3	153.5
129	106.4	86.2	129.4
131	92.0	80.3	120.5



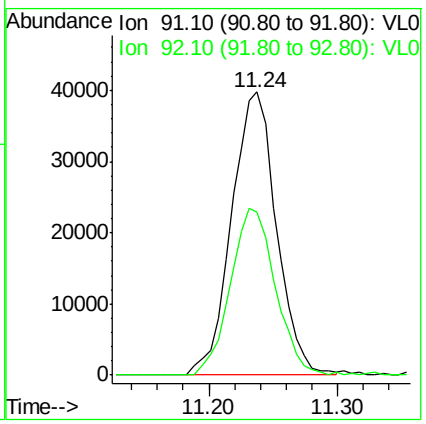


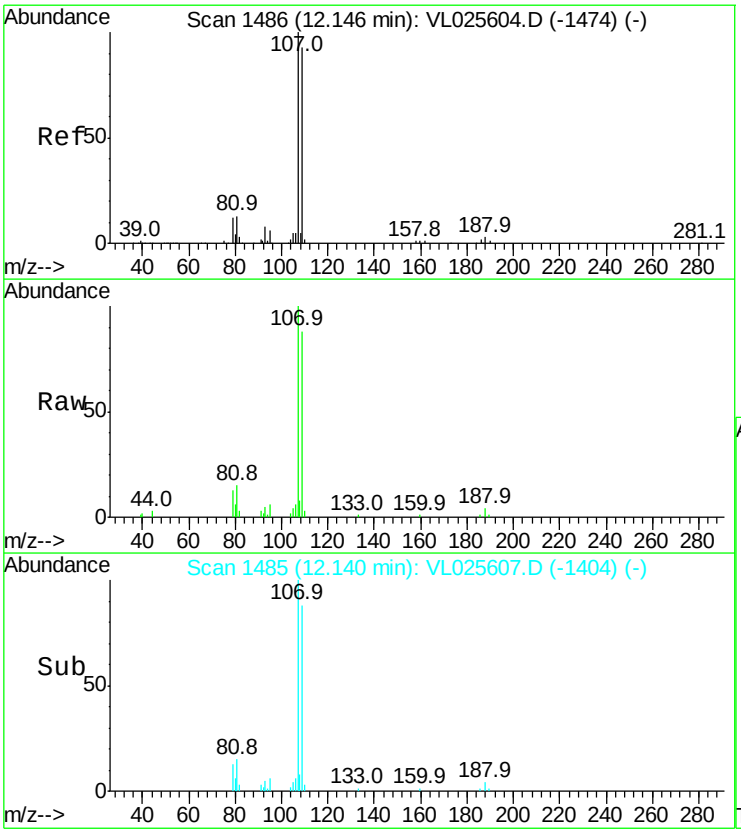
#53
Toluene
Concen: 0.42 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 95880

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.2	72.2

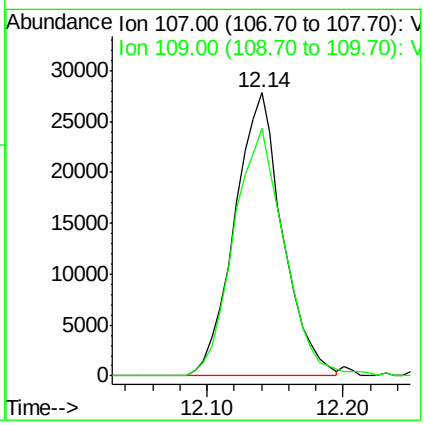


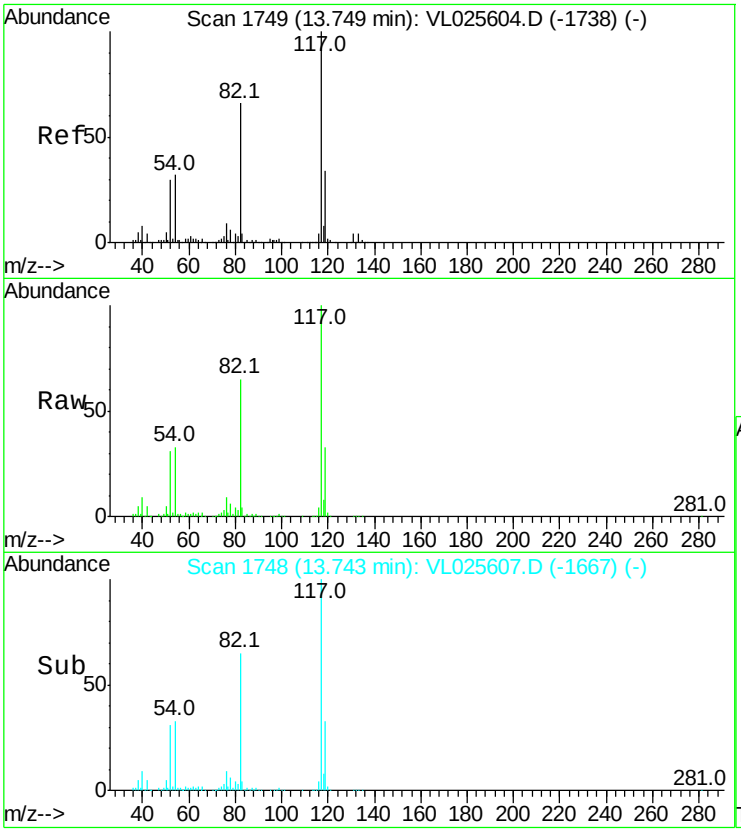


#54
1,2-Dibromoethane
Concen: 0.55 ppbv
RT: 12.14 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:107 Resp: 68596

Ion	Ratio	Lower	Upper
107	100		
109	87.6	74.1	111.1



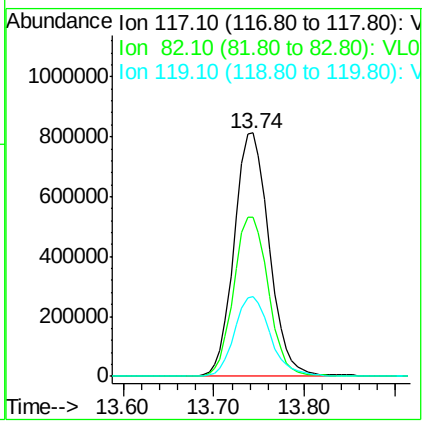


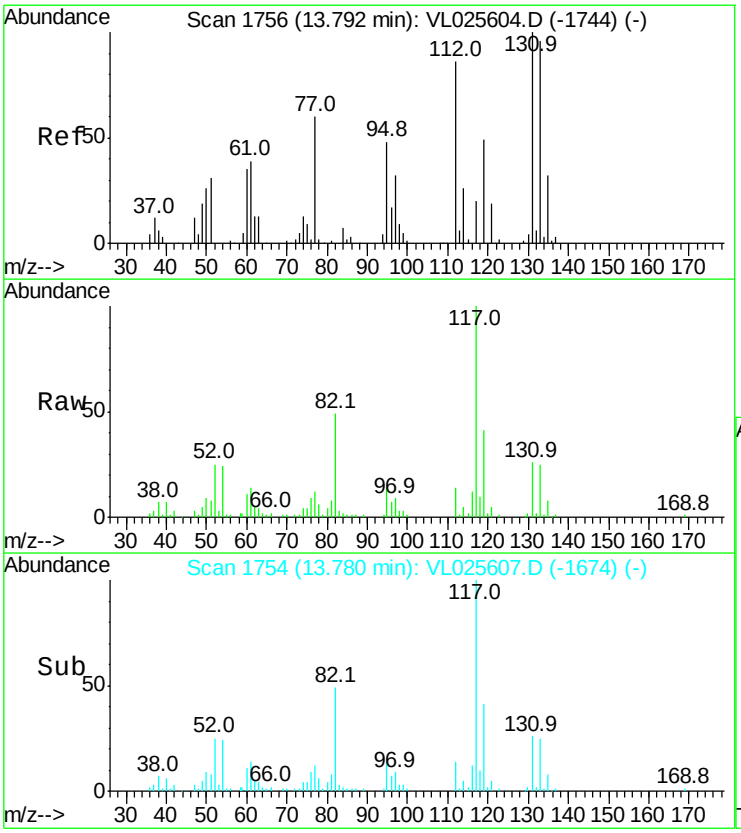
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 2183094

Ion	Ratio	Lower	Upper
117	100		
82	65.2	50.5	75.7
119	33.9	45.1	67.7#

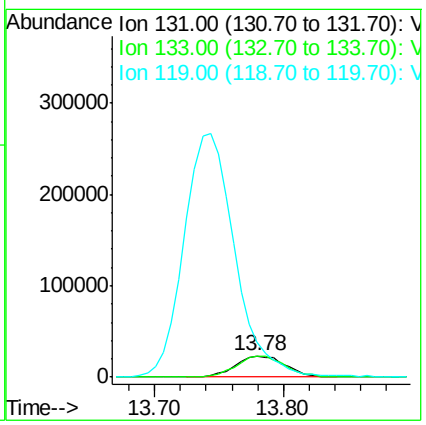


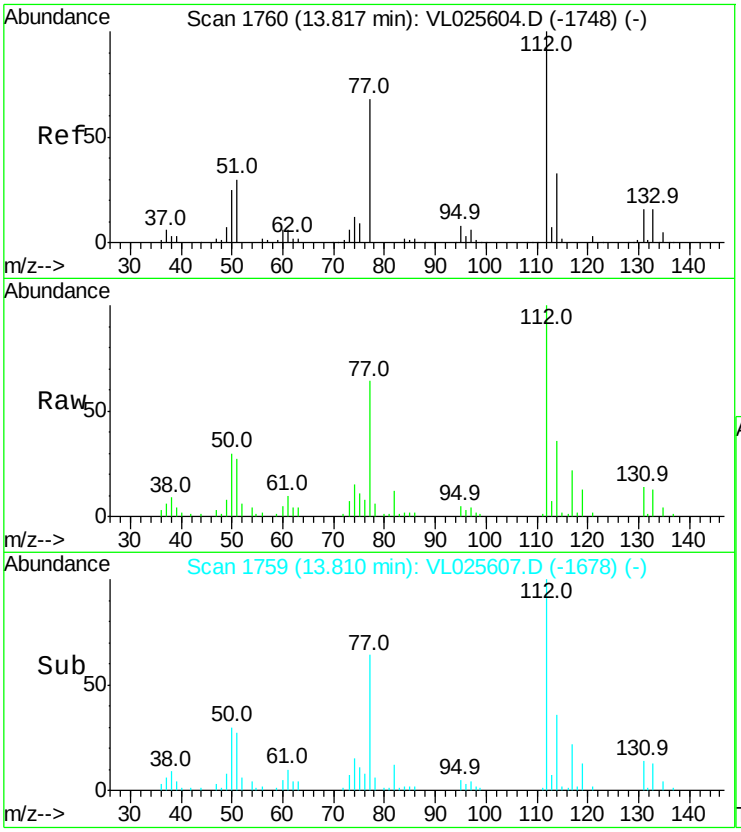


#56
1,1,1,2-Tetrachloroethane
Concen: 0.60 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:131 Resp: 62715

Ion	Ratio	Lower	Upper
131	100		
133	98.0	76.9	115.3
119	1182.0	97.8	146.8#



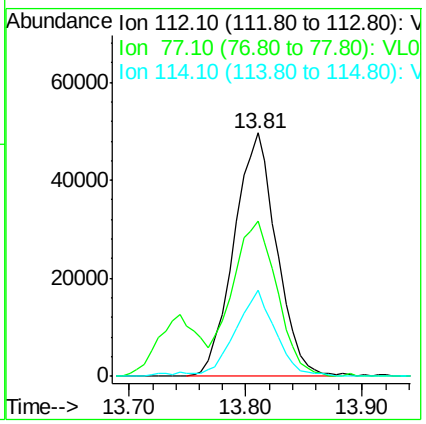


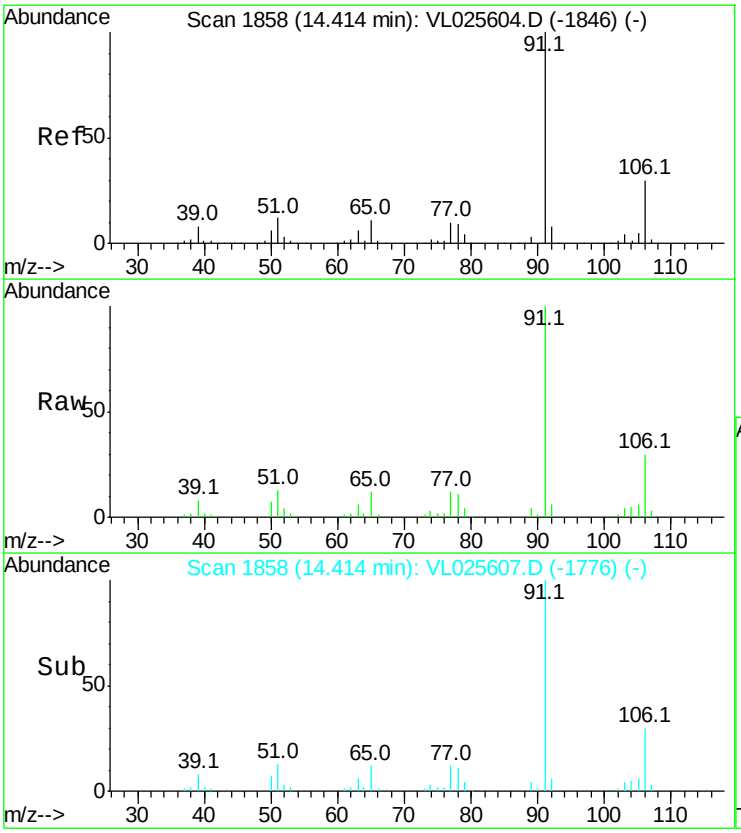
#57
Chlorobenzene
Concen: 0.59 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:112 Resp: 126728

Ion	Ratio	Lower	Upper
112	100		
77	63.7	55.2	82.8
114	35.6	29.4	36.0

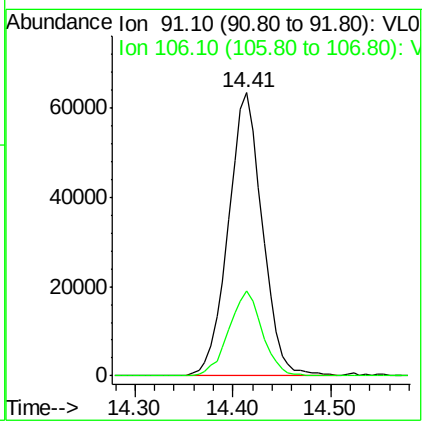


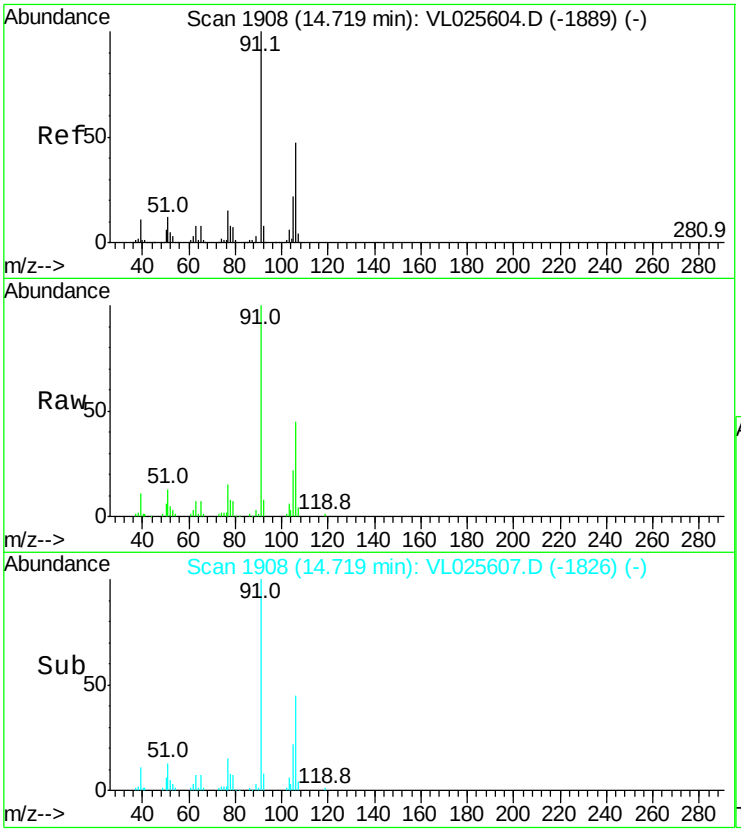


#58
Ethyl Benzene
Concen: 0.44 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 91 Resp: 153584

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2



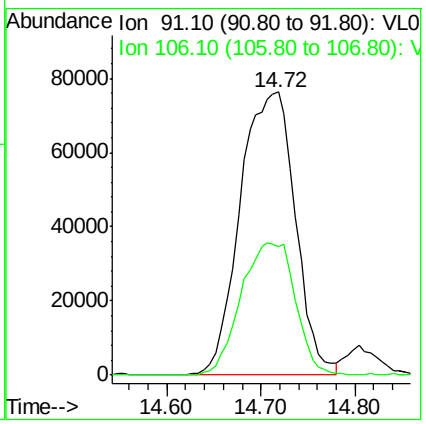


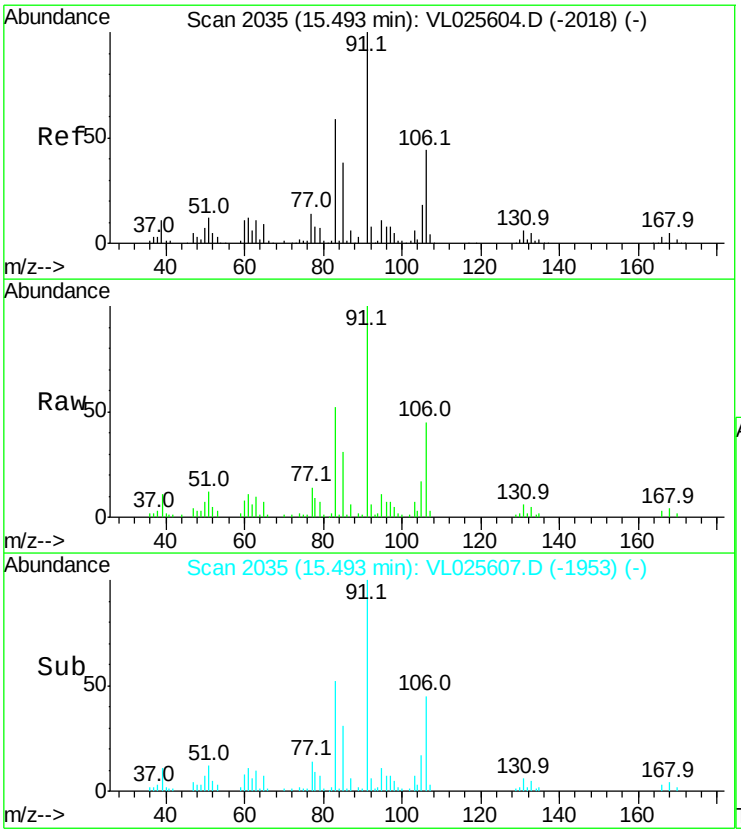
#59
m/p-Xylene
Concen: 1.07 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 311297

Ion	Ratio	Lower	Upper
91	100		
106	46.3	37.9	56.9

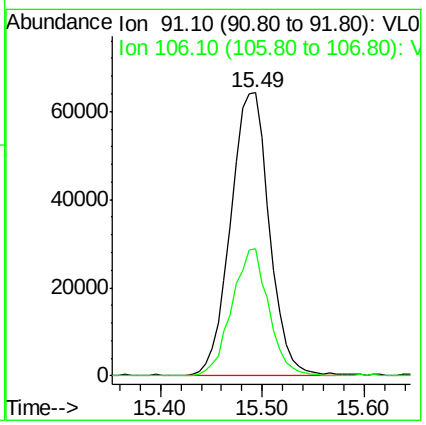


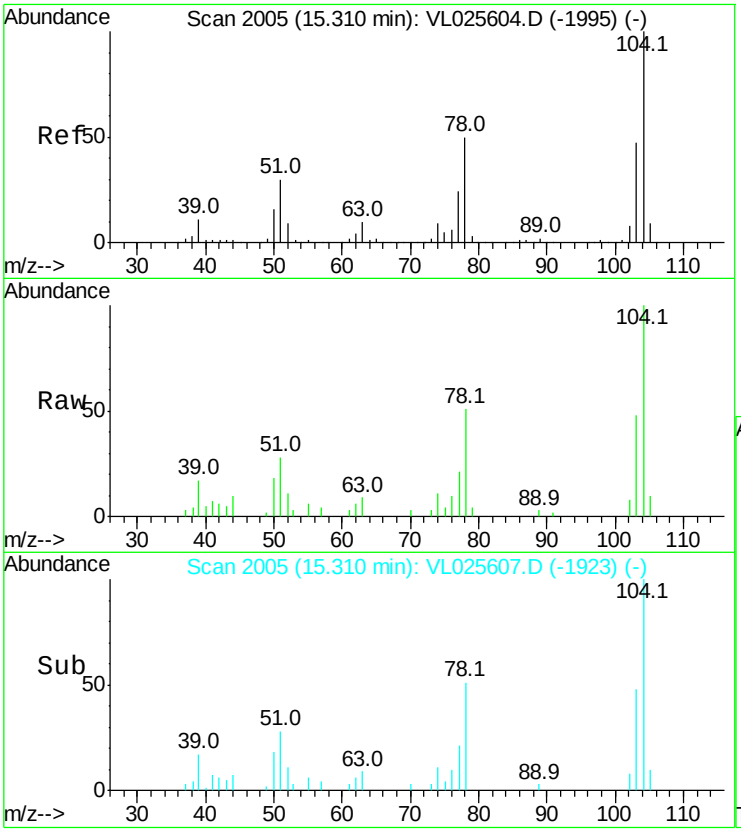


#60
o-Xylene
Concen: 0.55 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 91 Resp: 169533

Ion	Ratio	Lower	Upper
91	100		
106	42.6	22.1	66.1



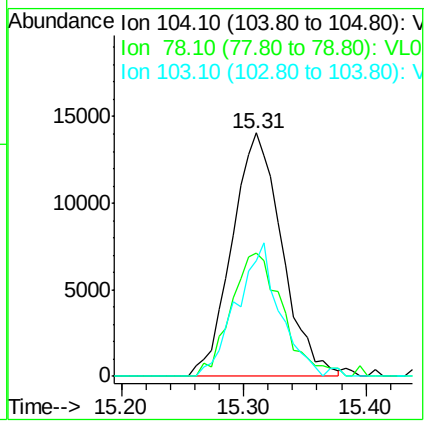


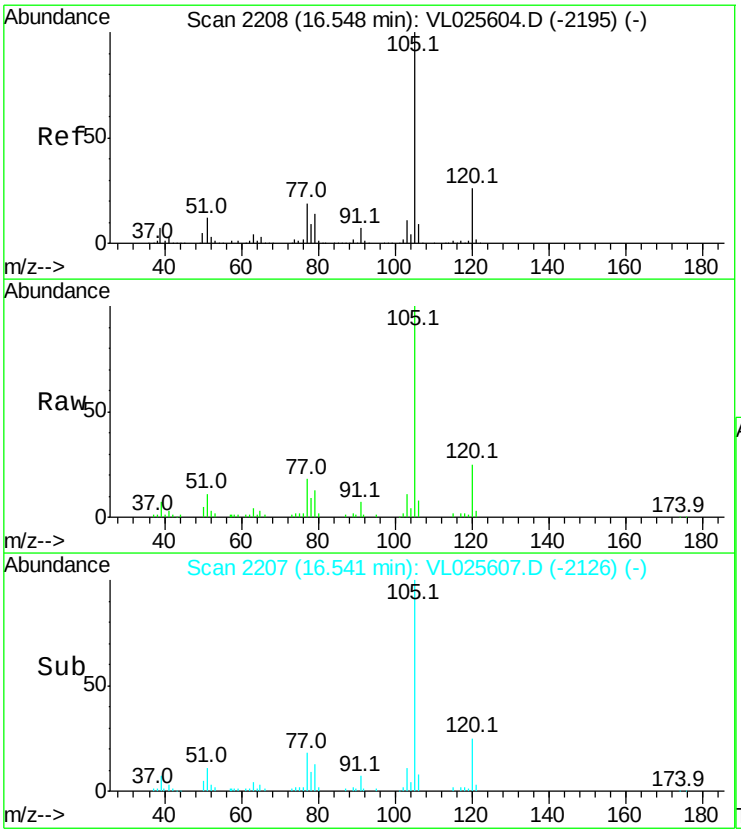
#61
Styrene
Concen: 0.34 ppbv
RT: 15.31 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 39912

Ion	Ratio	Lower	Upper
104	100		
78	52.8	40.2	60.4
103	47.6	37.4	56.2

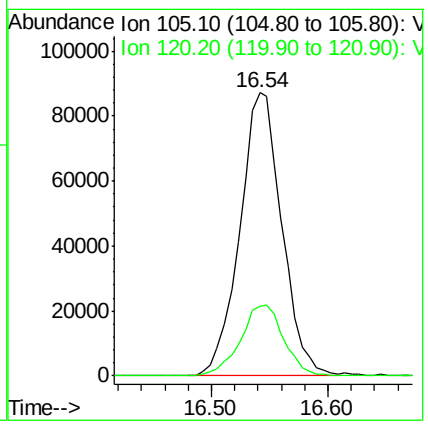


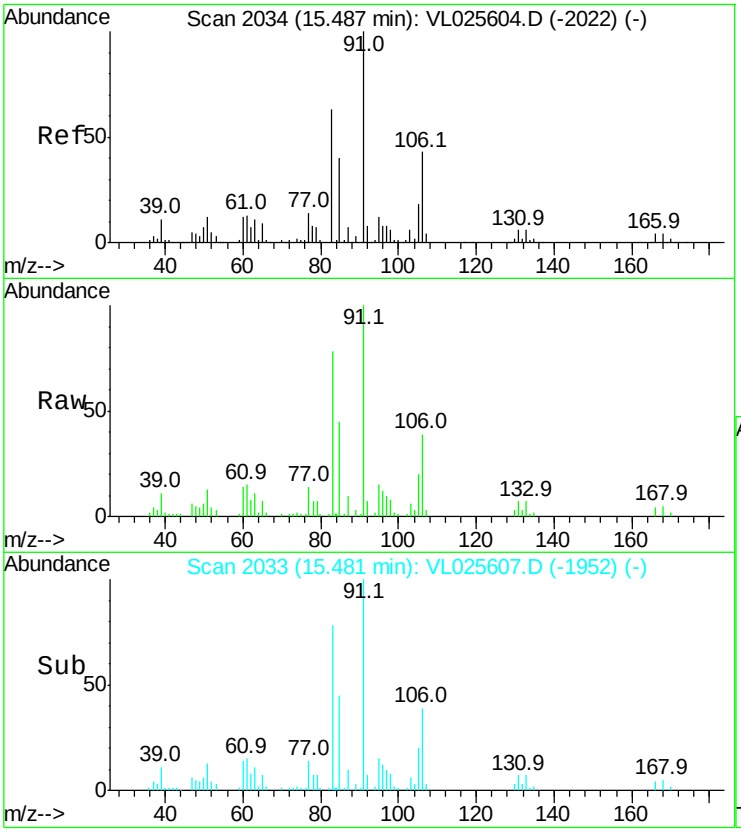


#62
Isopropylbenzene
Concen: 0.54 ppbv
RT: 16.54 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:105 Resp: 218987

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



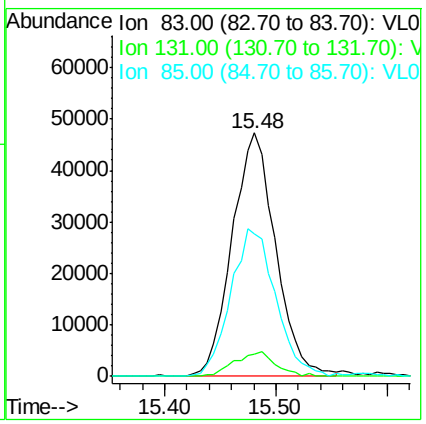


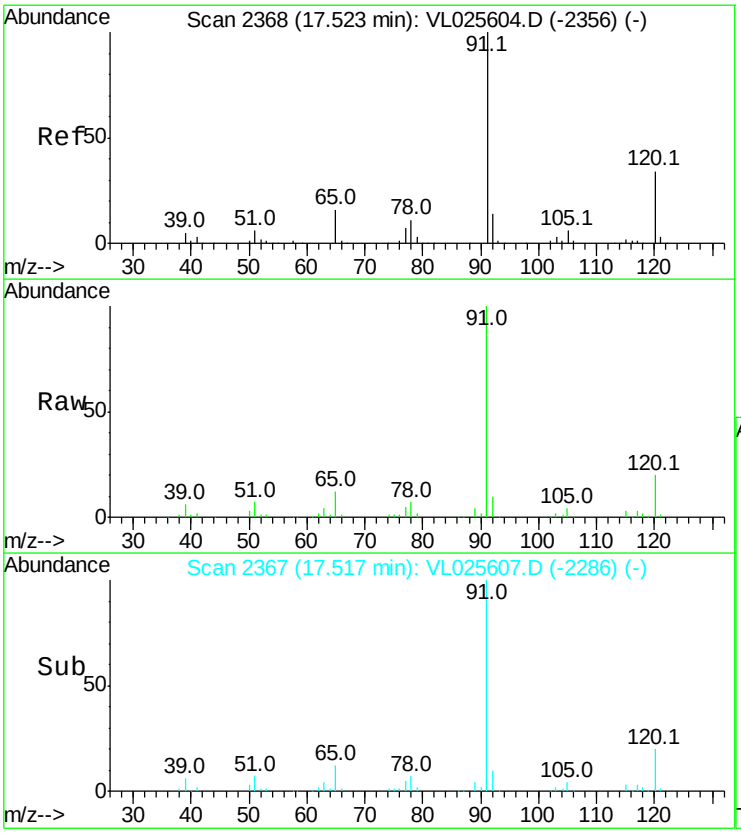
#63
1,1,2,2-Tetrachloroethane
Concen: 0.59 ppbv
RT: 15.48 min Scan# 2033
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 128697

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	62.7	32.4	97.2

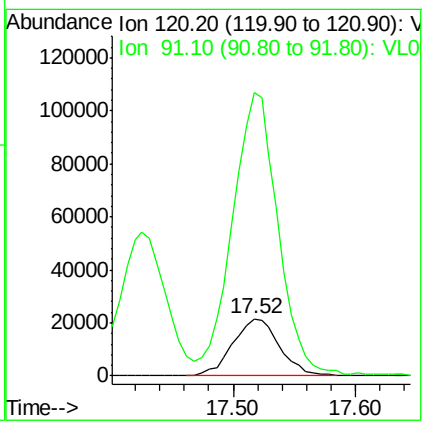


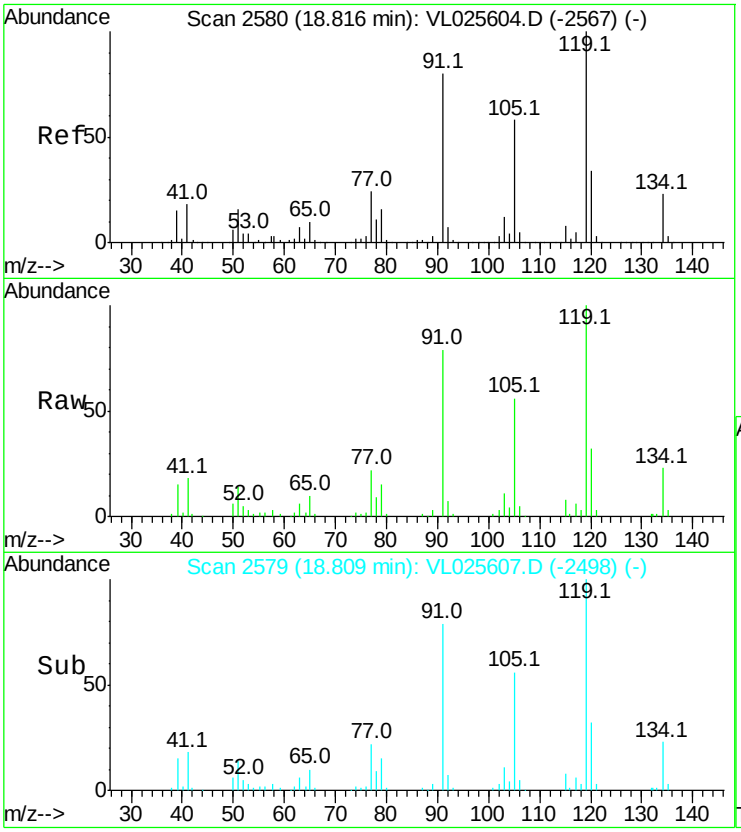


#64
n-propylbenzene
Concen: 0.53 ppbv
RT: 17.52 min Scan# 2367
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:120 Resp: 57177

Ion	Ratio	Lower	Upper
120	100		
91	483.2	370.5	555.7



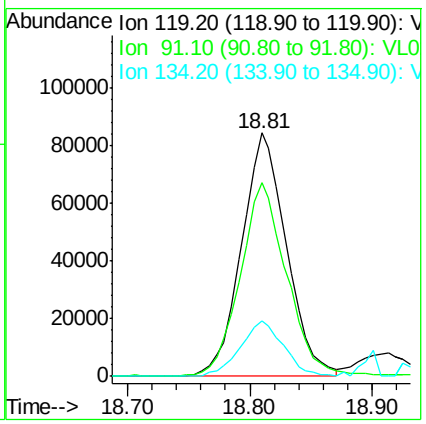


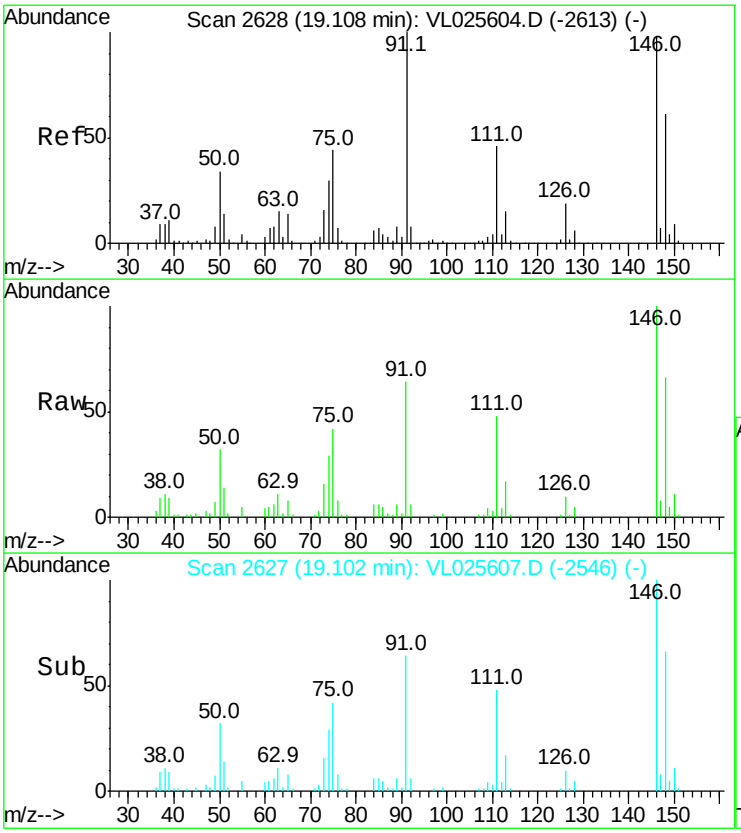
#65
tert-Butylbenzene
Concen: 0.57 ppbv
RT: 18.81 min Scan# 2579
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 215237

Ion	Ratio	Lower	Upper
119	100		
91	83.1	64.5	96.7
134	21.8	17.4	26.0

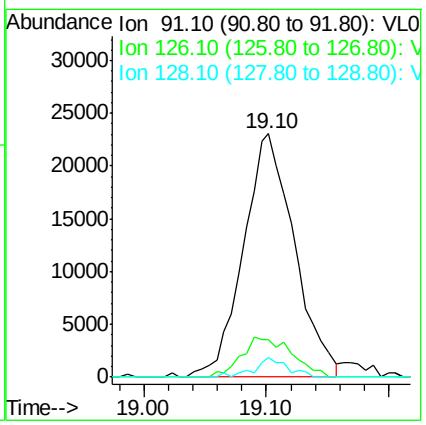


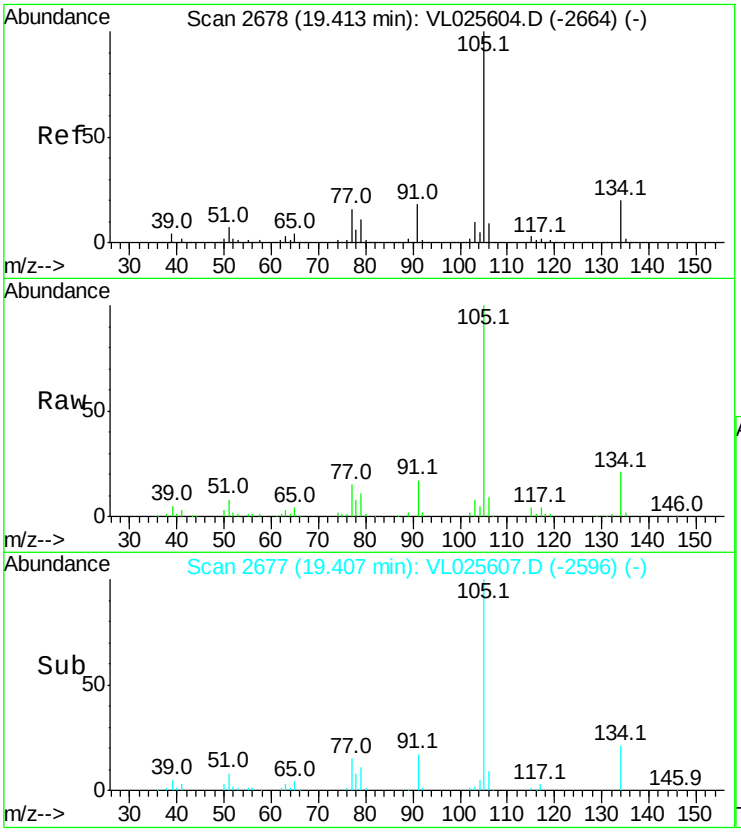


#66
Benzyl Chloride
Concen: 0.52 ppbv
RT: 19.10 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 91 Resp: 66700

Ion	Ratio	Lower	Upper
91	100		
126	16.3	14.5	21.7
128	5.2	4.6	7.0



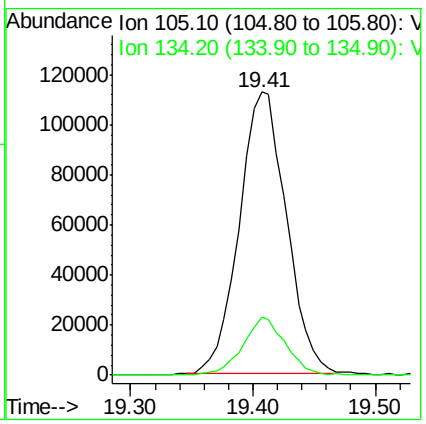


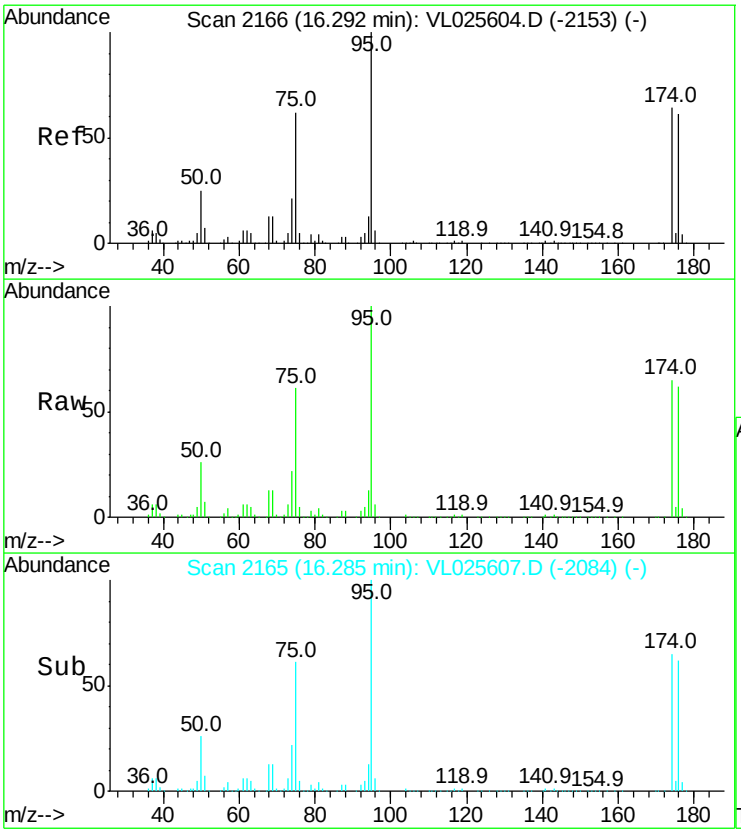
#67
sec-Butylbenzene
Concen: 0.56 ppbv
RT: 19.41 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 300200

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.4	23.2

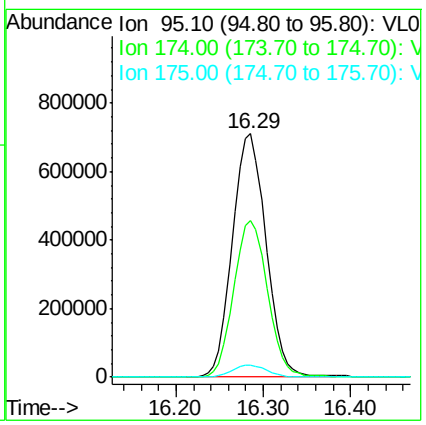


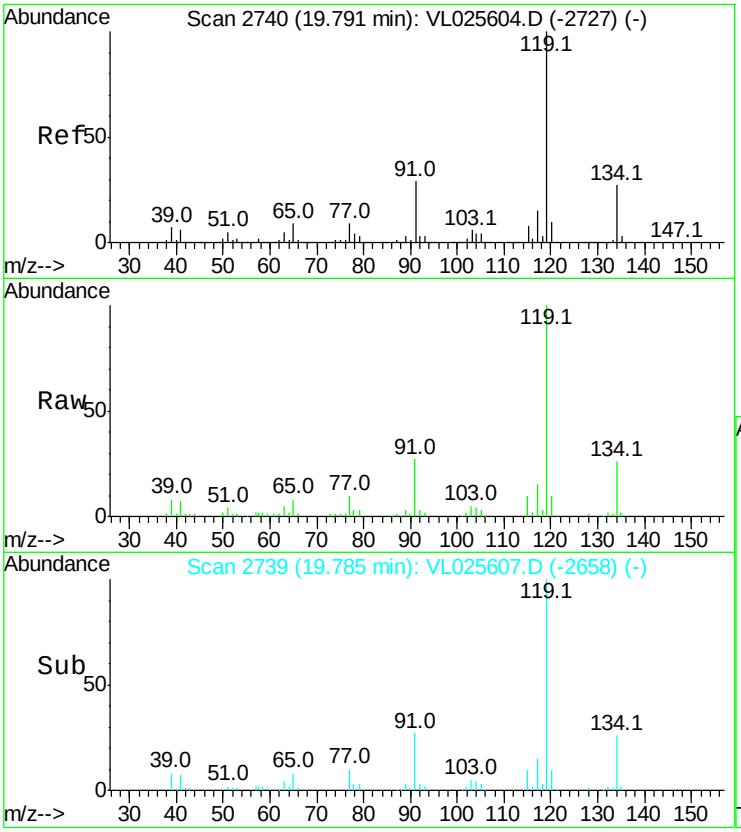


#68
1-Bromo-4-Fluorobenzene
Concen: 10.60 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 95 Resp: 1911587

Ion	Ratio	Lower	Upper
95	100		
174	64.8	52.0	78.0
175	4.9	3.9	5.9



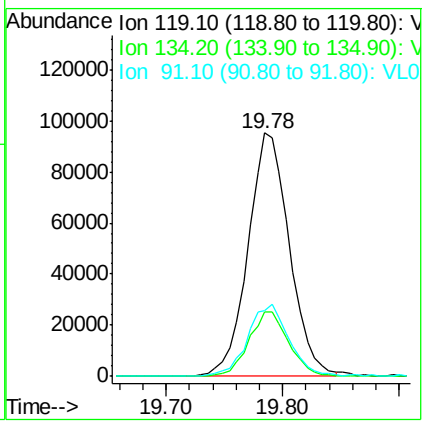


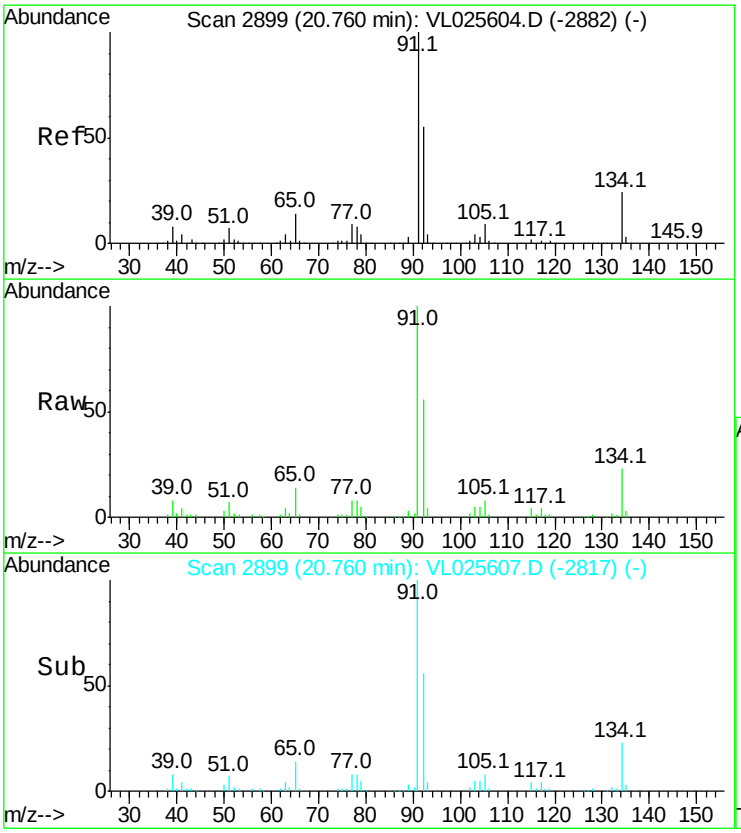
#69
p-Isopropyltoluene
Concen: 0.54 ppbv
RT: 19.78 min Scan# 2739
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 235080

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.7	31.1
91	30.0	22.6	34.0

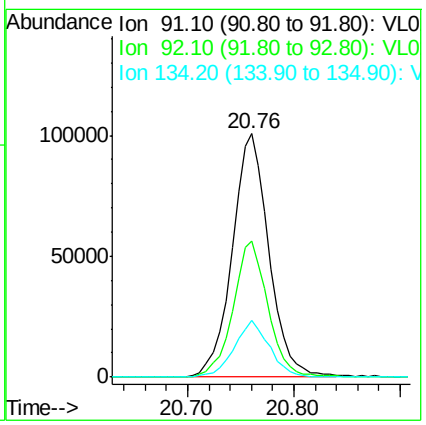


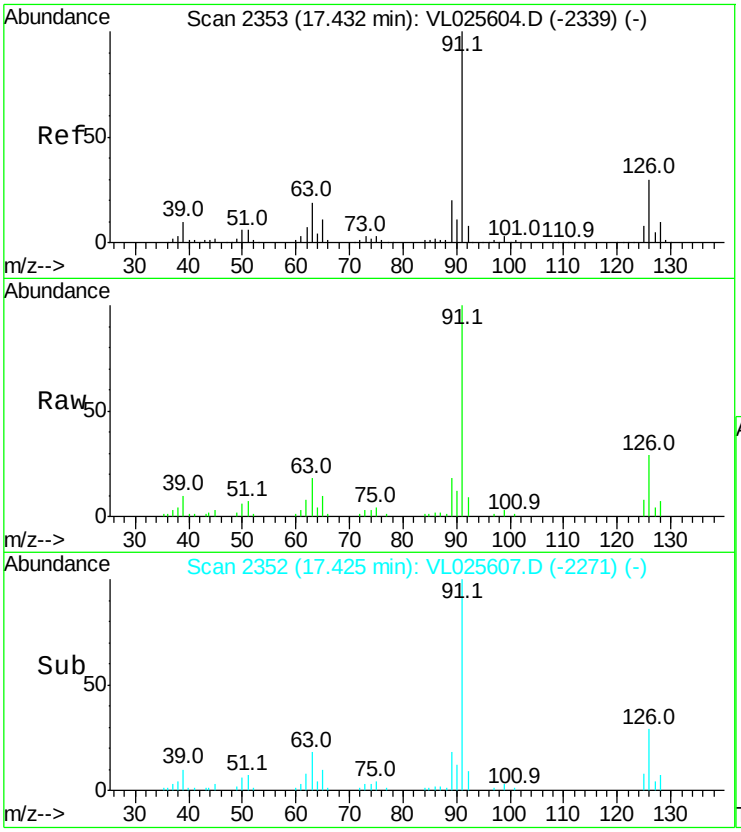


#70
n-Butylbenzene
Concen: 0.58 ppbv
RT: 20.76 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 91 Resp: 243313

Ion	Ratio	Lower	Upper
91	100		
92	53.0	44.3	66.5
134	22.3	19.4	29.2



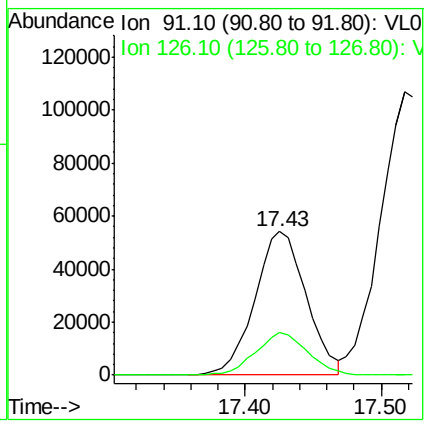


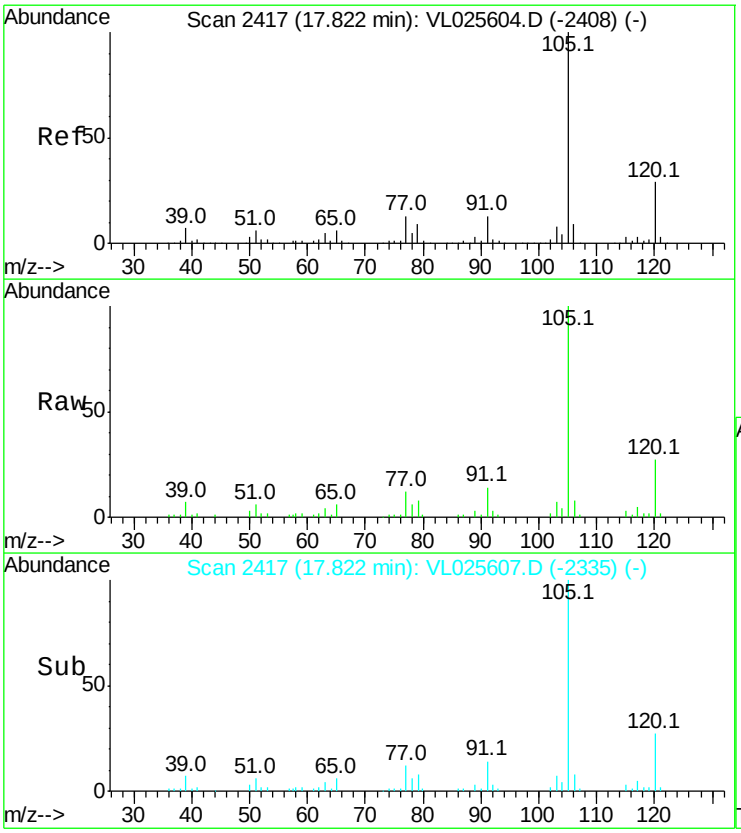
#71
2-Chlorotoluene
Concen: 0.47 ppbv
RT: 17.43 min Scan# 2352
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 143371

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.2	49.0

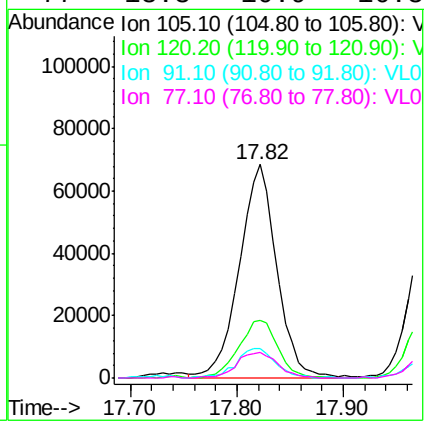


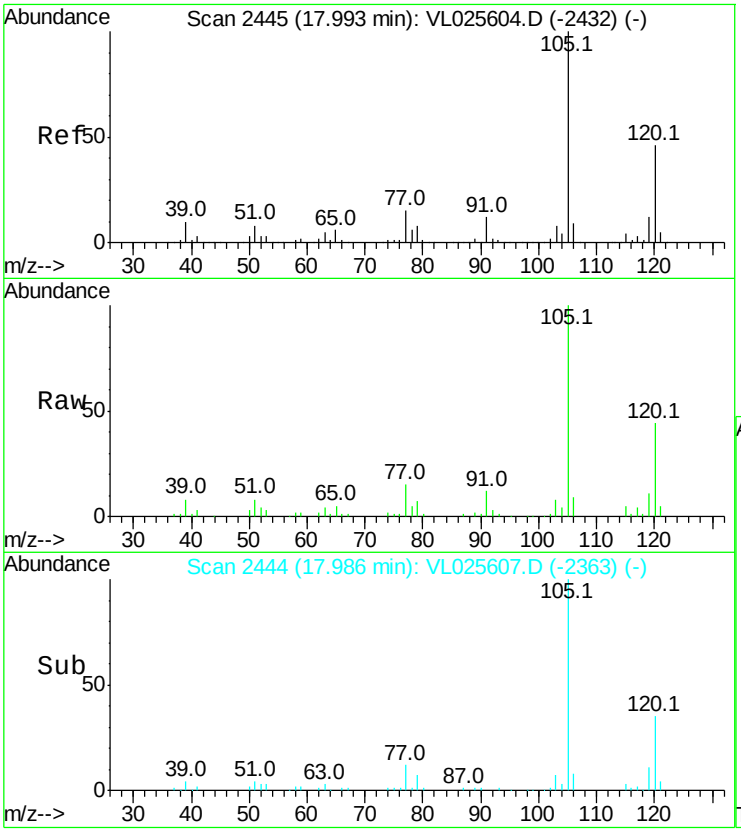


#72
4-Ethyltoluene
Concen: 0.50 ppbv
RT: 17.82 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:105 Resp: 167807

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.9	35.9
91	15.8	10.3	15.5#
77	13.3	10.9	16.3



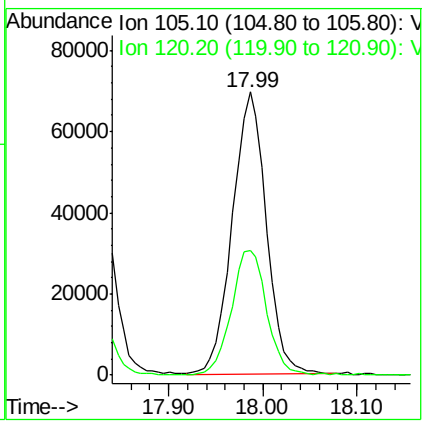


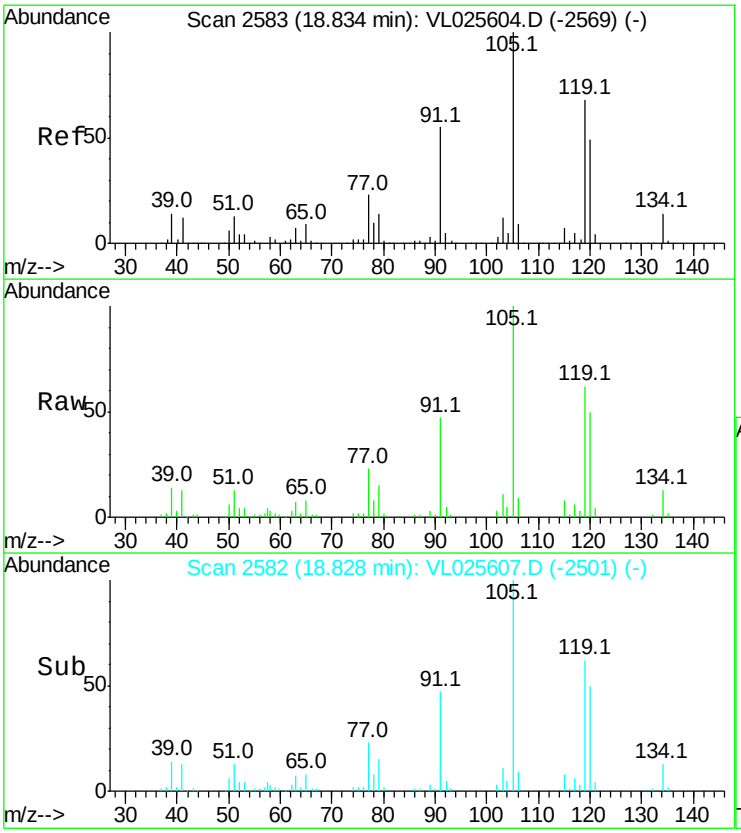
#73
1,3,5-Trimethylbenzene
Concen: 0.54 ppbv
RT: 17.99 min Scan# 2444
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 174810

Ion	Ratio	Lower	Upper
105	100		
120	44.2	37.0	55.4

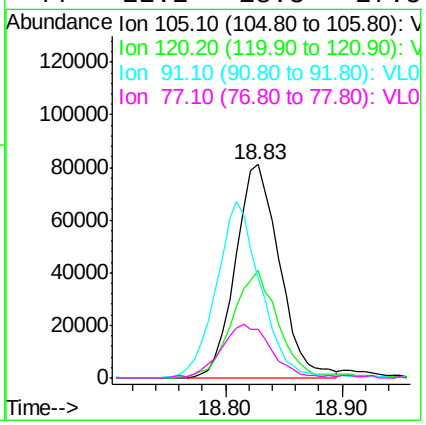


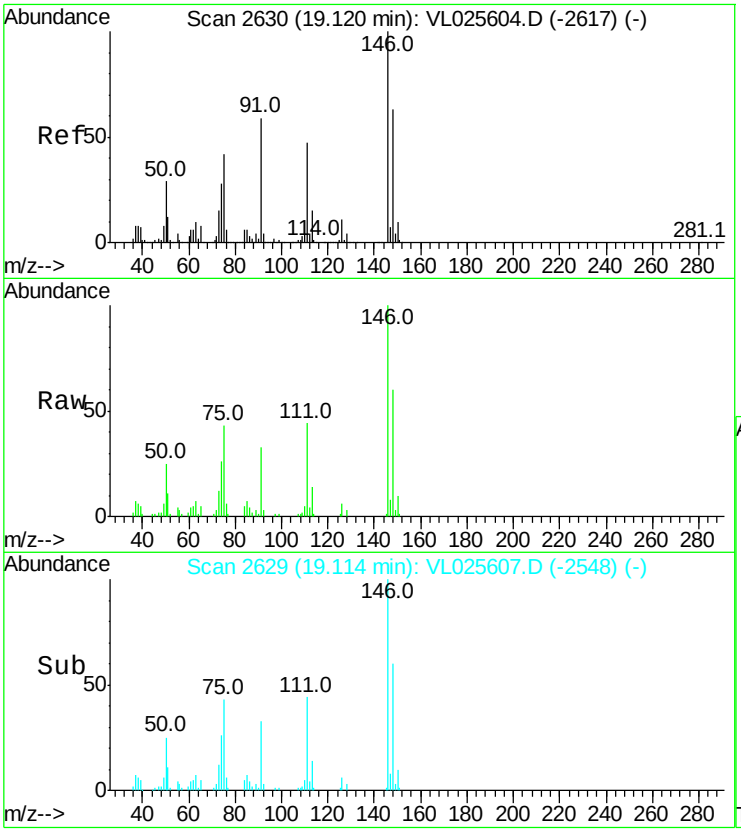


#74
1,2,4-Trimethylbenzene
Concen: 0.61 ppbv
RT: 18.83 min Scan# 2582
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:105 Resp: 214165

Ion	Ratio	Lower	Upper
105	100		
120	49.5	39.3	58.9
91	45.6	43.8	65.6
77	22.2	18.3	27.5



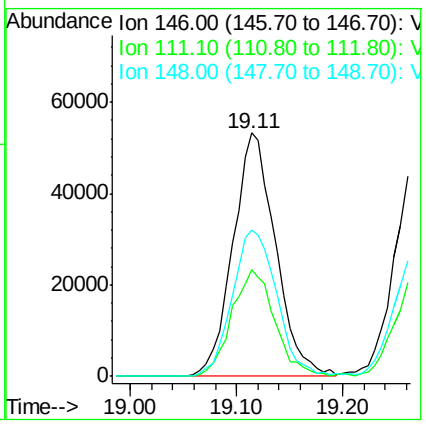


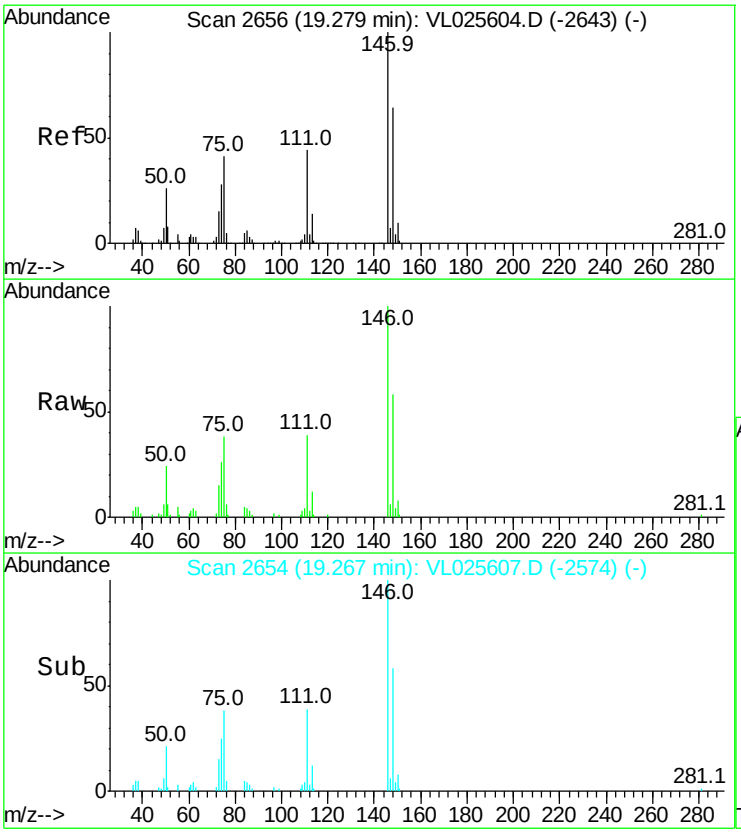
#75
1,3-Dichlorobenzene
Concen: 0.67 ppbv
RT: 19.11 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 149460

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.7	68.1
148	62.8	31.8	95.3

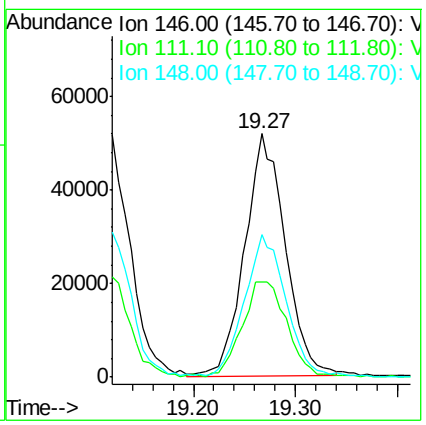


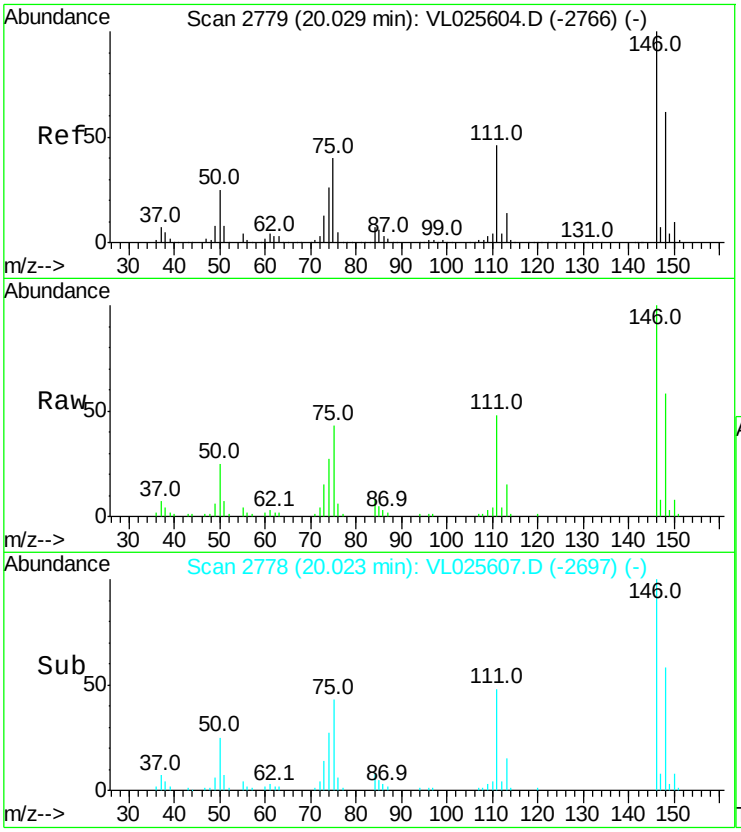


#76
1,4-Dichlorobenzene
Concen: 0.64 ppbv
RT: 19.27 min Scan# 2654
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:146 Resp: 143177

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.1
148	60.6	31.9	95.9



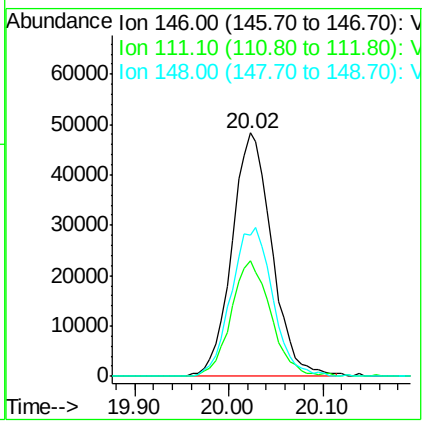


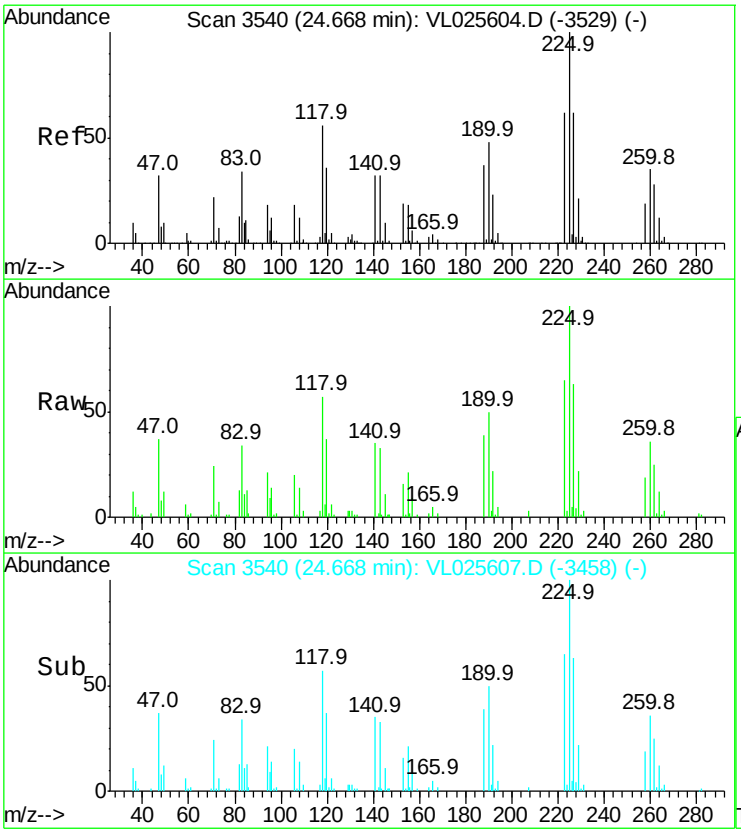
#77
1,2-Dichlorobenzene
Concen: 0.64 ppbv
RT: 20.02 min Scan# 2778
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 142403

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.3
148	63.6	31.6	94.8

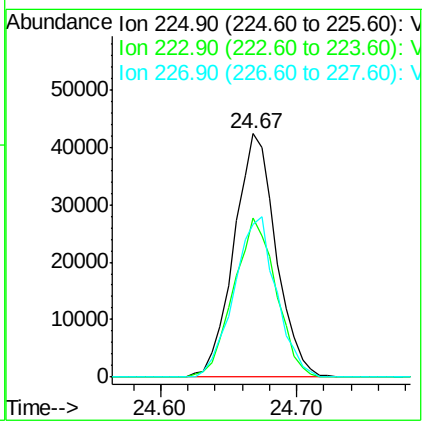


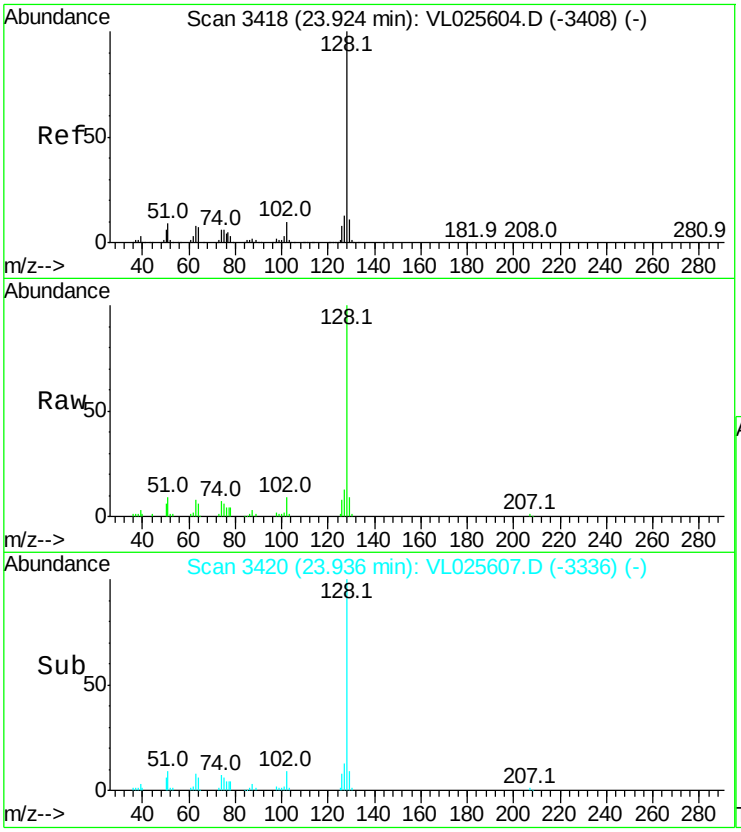


#78
Hexachloro-1,3-Butadiene
Concen: 0.80 ppbv
RT: 24.67 min Scan# 3540
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:225 Resp: 91341

Ion	Ratio	Lower	Upper
225	100		
223	66.0	50.6	76.0
227	66.2	50.5	75.7



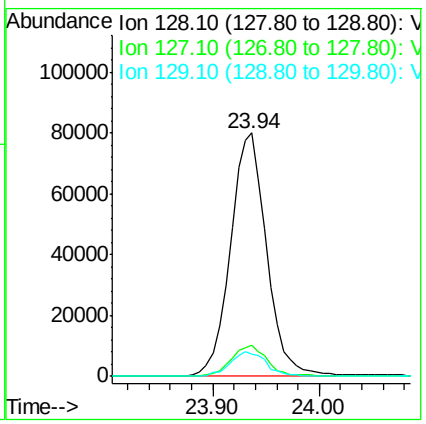


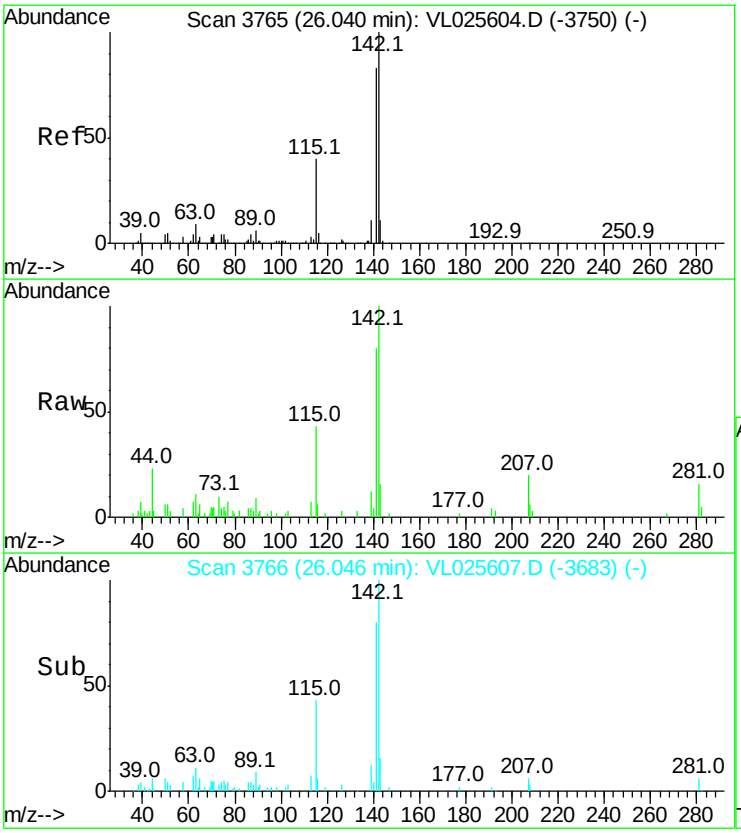
#79
Naphthalene
Concen: 0.66 ppbv
RT: 23.94 min Scan# 3420
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 189932

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.8	16.2
129	9.1	9.0	13.4

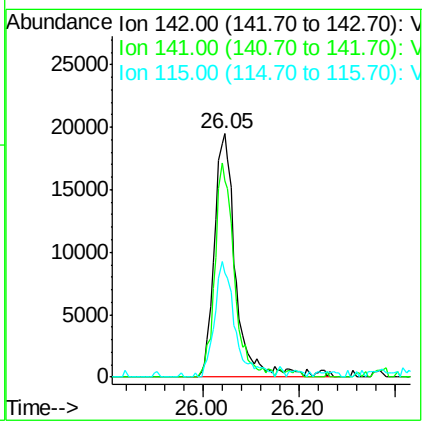


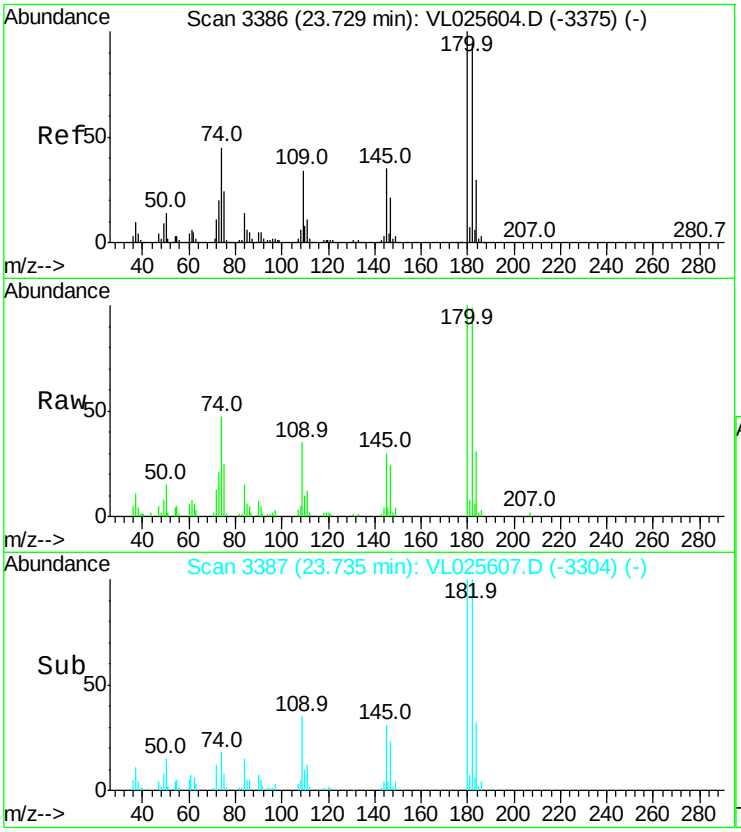


#80
Naphthalene,2-methyl-
Concen: 0.82 ppbv
RT: 26.05 min Scan# 3766
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:142 Resp: 60371

Ion	Ratio	Lower	Upper
142	100		
141	78.7	67.1	100.7
115	45.2	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 0.71 ppbv
RT: 23.74 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 95519

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	32.3	24.4	36.6