Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL070715\
Data File : VL025604.D
Acq On : 7 Jul 2015 10:32
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 07 13:03:20 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 03 16:25:57 2015
QLast Update : Wed Jun 03 16:25:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	698565	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.33	114	1889486	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.75	117	3030440	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	2076293	8.29	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.64	85	1811069	11.18	ppbv	99
3) Chlorodifluoromethane	3.57	51	871894	10.38	ppbv	95
4) Chloromethane	3.75	50	406463	9.31	ppbv	99
5) Vinyl Chloride	3.89	62	447795	9.21	ppbv	99
6) Bromomethane	4.14	94	350245	10.61	ppbv	100
7) Chloroethane	4.24	64	203212	10.08	ppbv	100
8) Dichlorotetrafluoroethane	3.81	85	1389255	10.61	ppbv	100
9) Propene	3.59	41	310512	8.85	ppbv	99
10) Heptane	9.35	43	1199846	9.60	ppbv	98
11) Trichlorofluoromethane	4.69	101	2039038	11.93	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1172362	11.37	ppbv	99
13) Ethanol	4.33	45	49580	7.83	ppbv	99
14) Bromoethene	4.45	108	396594	10.78	ppbv	97
15) Acetone	4.60	43	992011	9.64	ppbv	98
16) 1,3-Butadiene	3.97	39	445813	9.84	ppbv	99
17) tert-Butyl alcohol	5.12	59	1038312	11.80	ppbv	99
18) 1,1-Dichloroethene	5.09	96	470111	11.05	ppbv	99
19) Isopropyl Alcohol	4.75	45	491434	10.50	ppbv	99
20) Methylene Chloride	5.15	84	425808	9.53	ppbv	99
21) Allyl Chloride	5.23	41	698988	10.38	ppbv	89
22) trans-1,2-Dichloroethene	5.76	96	485499	9.79	ppbv	98
23) Vinyl Acetate	5.98	43	1846094	10.23	ppbv	98
24) 1,1-Dichloroethane	5.91	63	1121573	9.55	ppbv	100
25) Ethyl Acetate	6.67	43	1742817	9.41	ppbv	100
26) Hexane	6.66	57	818941	9.39	ppbv	96
27) Carbon Disulfide	5.39	76	1336703	11.10	ppbv	95
28) Methyl tert-Butyl Ether	5.95	73	1727436	10.64	ppbv	97
29) Chloroform	6.75	83	1517106	10.47	ppbv	97
30) Cyclohexane	8.29	84	782845	9.84	ppbv	97
31) cis-1,2-Dichloroethene	6.52	61	865634	10.36	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	1731710	10.59	ppbv	99
34) 2-Butanone	6.20	43	1036534	9.21	ppbv	99
35) Carbon Tetrachloride	8.17	117	1845919	10.81	ppbv	99
36) Benzene	8.02	78	1733249	9.29	ppbv	98
37) 1,2-Dichloroethane	7.37	62	1415811	10.91	ppbv	98
38) Trichloroethene	9.07	130	786669	9.76	ppbv	98
39) 1,2-Dichloropropane	8.83	63	622947	8.99	ppbv	92
40) 1,4-Dioxane	9.12	88	155145	10.09	ppbv	90
41) Tetrahydrofuran	7.12	42	553490	9.16	ppbv	97
42) Bromodichloromethane	9.02	83	1758463	10.81	ppbv	98
43) Methyl Methacrylate	9.27	69	731256	10.54	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL070715\
Data File : VL025604.D
Acq On : 7 Jul 2015 10:32
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 07 13:03:20 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 03 16:25:57 2015
QLast Update : Wed Jun 03 16:25:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	2971392	9.23	ppbv		97
45) t-1,3-Dichloropropene	10.65	75	1301387	11.99	ppbv		98
46) cis-1,3-Dichloropropene	10.02	75	1401870	11.12	ppbv		95
47) 1,1,2-Trichloroethane	10.88	97	866229	9.98	ppbv		97
48) Dibromochloromethane	11.80	129	1622341	11.62	ppbv		99
49) Bromoform	14.82	173	1356483	12.14	ppbv		99
50) 4-Methyl-2-Pentanone	10.09	43	1584151	10.39	ppbv		99
51) 2-Hexanone	11.62	43	1533554	11.24	ppbv	#	98
52) Tetrachloroethene	12.79	164	902348	10.55	ppbv		99
53) Toluene	11.24	91	2581496	10.50	ppbv		99
54) 1,2-Dibromoethane	12.15	107	1413534	10.64	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.79	131	1190424	8.27	ppbv		97
57) Chlorobenzene	13.82	112	2303588	7.76	ppbv		100
58) Ethyl Benzene	14.41	91	4080838	8.46	ppbv		98
59) m/p-Xylene	14.72	91	6632941	16.45	ppbv		99
60) o-Xylene	15.49	91	3530013	8.24	ppbv		99
61) Styrene	15.31	104	1515839	9.28	ppbv		99
62) Isopropylbenzene	16.55	105	4725972	8.38	ppbv		99
63) 1,1,2,2-Tetrachloroethane	15.49	83	2245738	7.40	ppbv		100
64) n-propylbenzene	17.52	120	1261699	8.44	ppbv		93
65) tert-Butylbenzene	18.82	119	4450473	8.48	ppbv		100
66) Benzyl Chloride	19.11	91	1951032	10.87	ppbv		100
67) sec-Butylbenzene	19.41	105	6289270	8.52	ppbv		98
69) p-Isopropyltoluene	19.79	119	5269633	8.78	ppbv		99
70) n-Butylbenzene	20.76	91	5205666	8.91	ppbv		98
71) 2-Chlorotoluene	17.43	91	3549459	8.45	ppbv		100
72) 4-Ethyltoluene	17.82	105	4081923	8.71	ppbv		100
73) 1,3,5-Trimethylbenzene	17.99	105	3932238	8.71	ppbv		96
74) 1,2,4-Trimethylbenzene	18.83	105	4120028	8.47	ppbv		98
75) 1,3-Dichlorobenzene	19.12	146	2612100	8.43	ppbv		100
76) 1,4-Dichlorobenzene	19.28	146	2685671	8.65	ppbv		99
77) 1,2-Dichlorobenzene	20.03	146	2657048	8.63	ppbv		99
78) Hexachloro-1,3-Butadiene	24.67	225	1461221	9.25	ppbv		99
79) Naphthalene	23.92	128	3836910	9.63	ppbv		100
80) Naphthalene,2-methyl-	26.04	142	1066120	10.43	ppbv		98
81) 1,2,4-Trichlorobenzene	23.73	180	1800550	9.70	ppbv		100

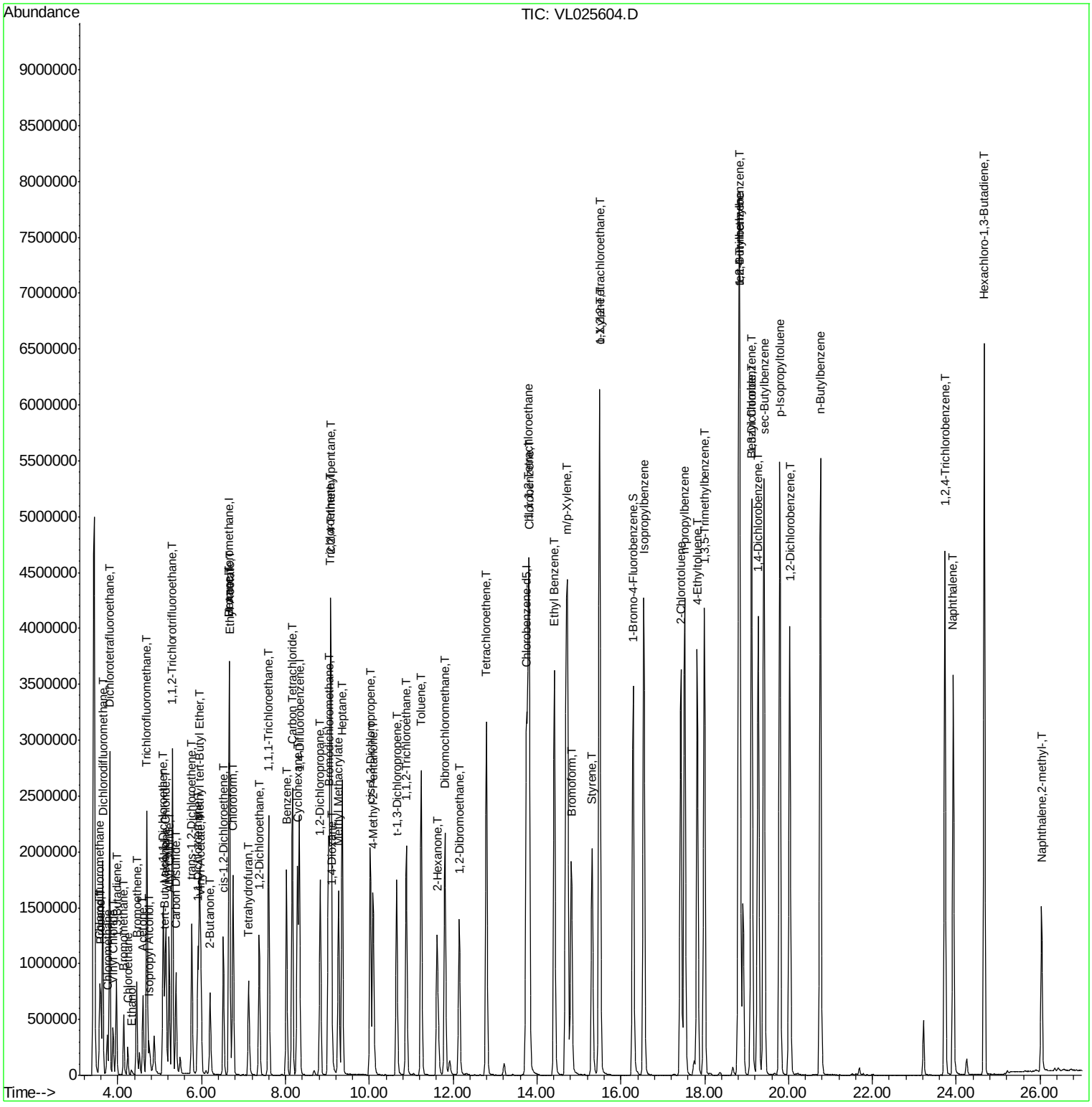
(#) = qualifier out of range (m) = manual integration (+) = signals summed

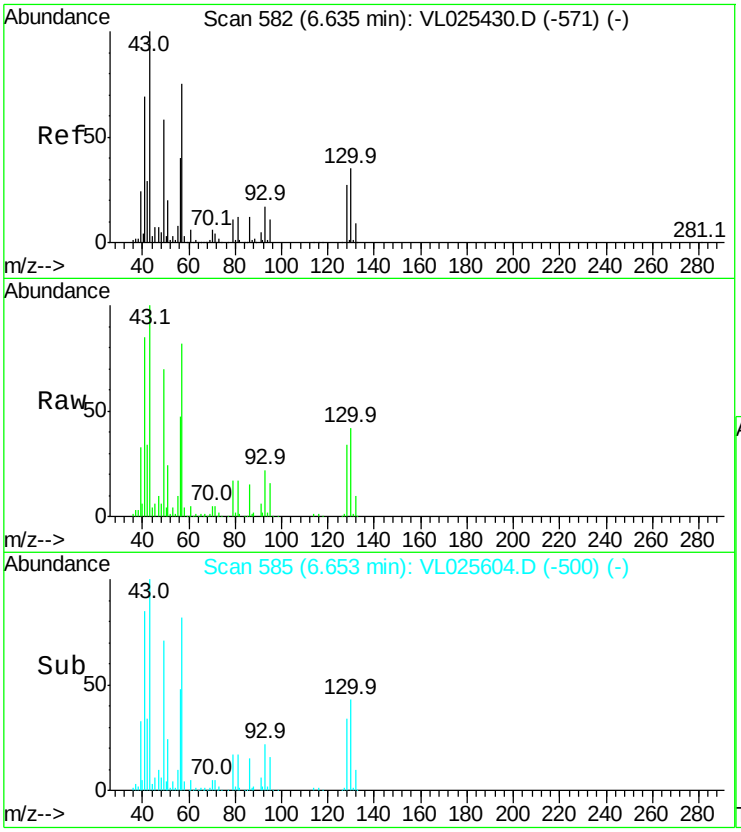
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL070715\
Data File : VL025604.D
Acq On : 7 Jul 2015 10:32
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 07 13:03:20 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 03 16:25:57 2015
QLast Update : Wed Jun 03 16:25:57 2015
Response via : Initial Calibration



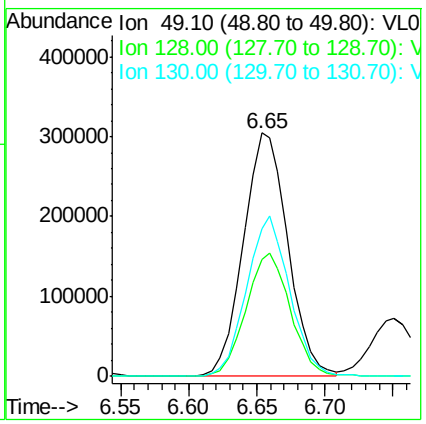


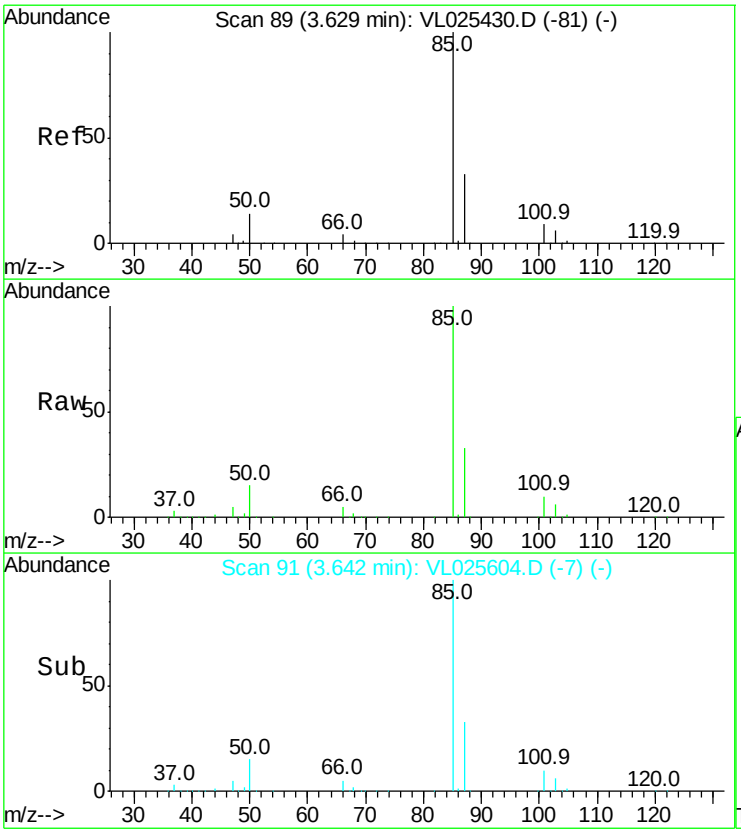
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 698565

Ion	Ratio	Lower	Upper
49	100		
128	50.7	23.8	71.4
130	63.9	30.3	90.9

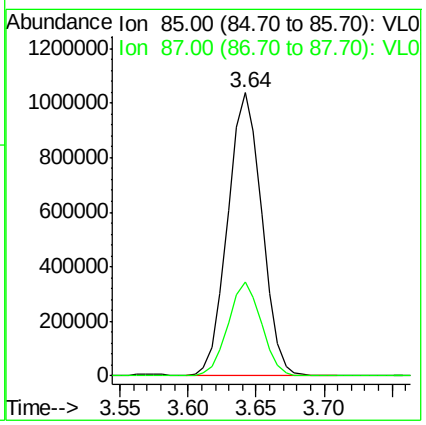


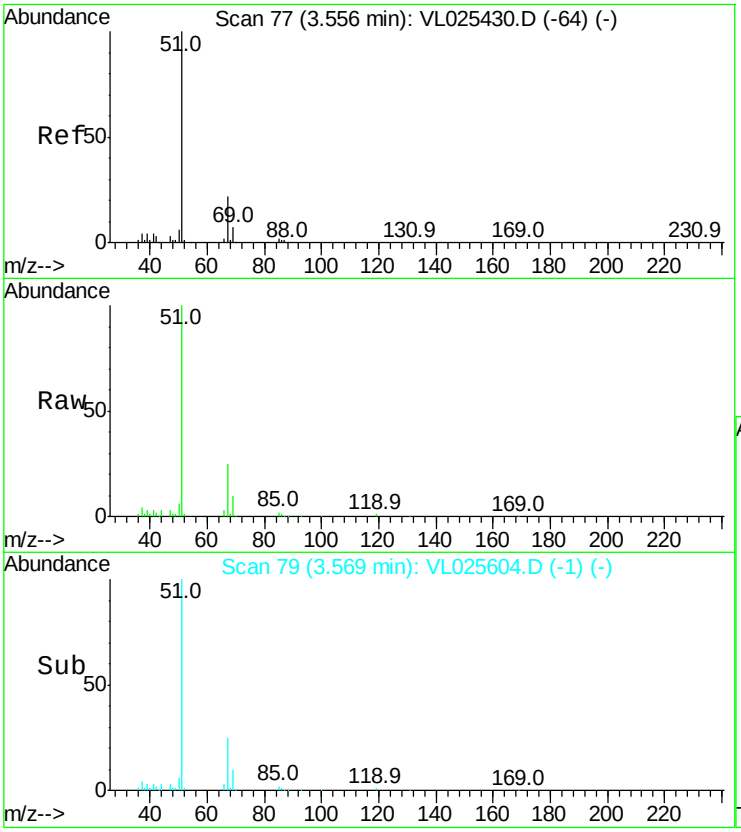


#2
Dichlorodifluoromethane
Concen: 11.18 ppbv
RT: 3.64 min Scan# 91
Delta R.T. 0.01 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 85 Resp: 1811069

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.2	39.2



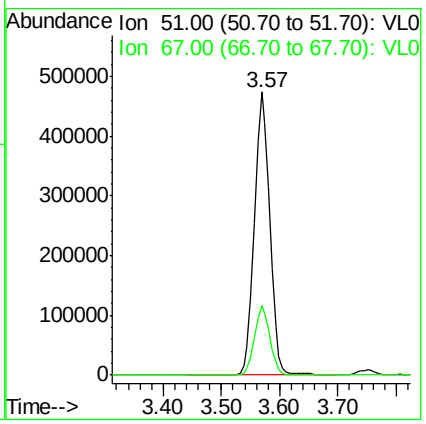


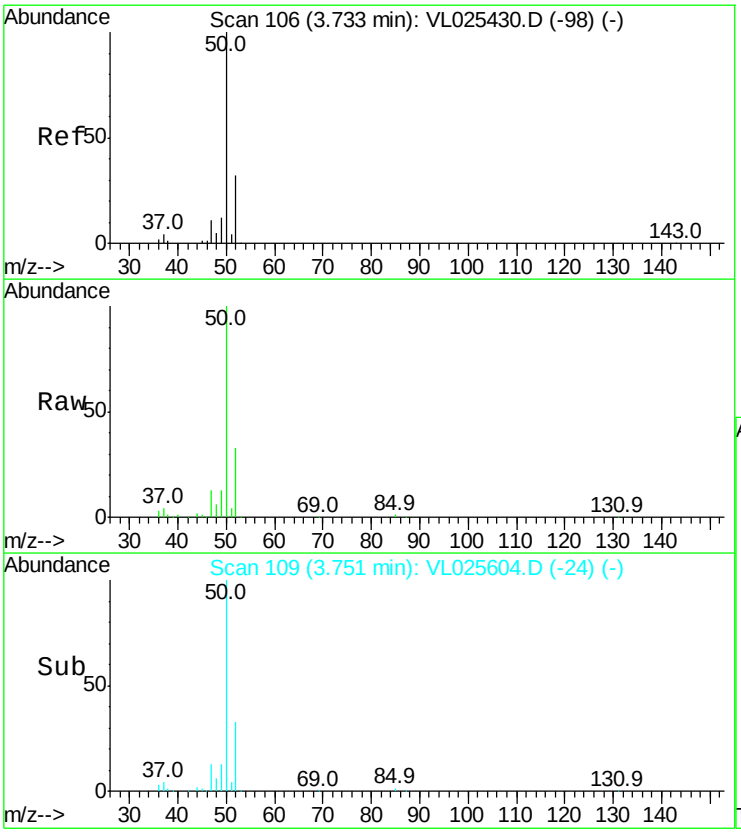
#3
Chlorodifluoromethane
Concen: 10.38 ppbv
RT: 3.57 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 871894

Ion	Ratio	Lower	Upper
51	100		
67	24.4	17.6	26.4

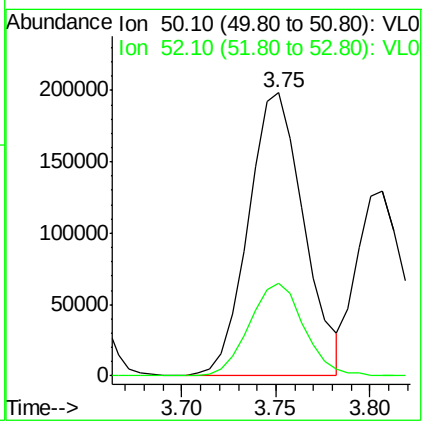


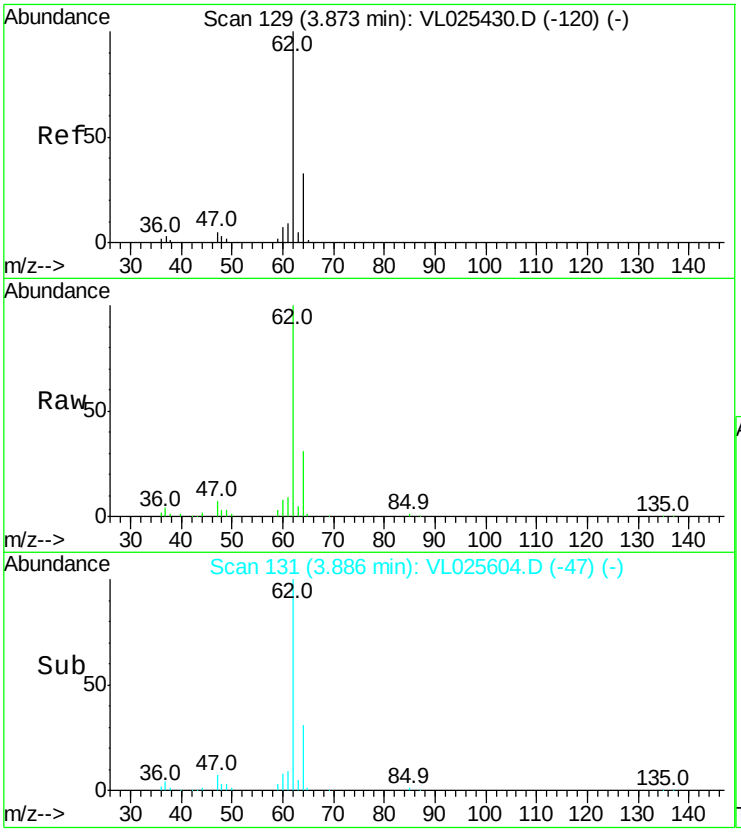


#4
Chloromethane
Concen: 9.31 ppbv
RT: 3.75 min Scan# 109
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 50 Resp: 406463

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.6	39.8



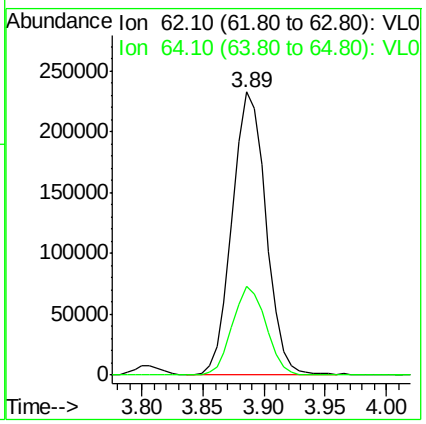


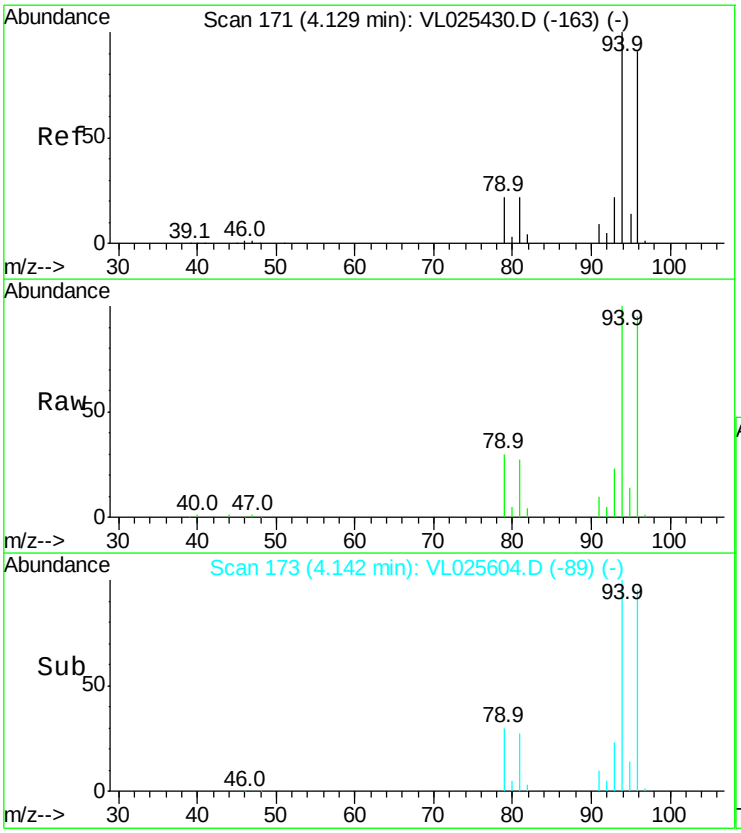
#5
Vinyl Chloride
Concen: 9.21 ppbv
RT: 3.89 min Scan# 131
Delta R.T. 0.01 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 447795

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.4	38.0

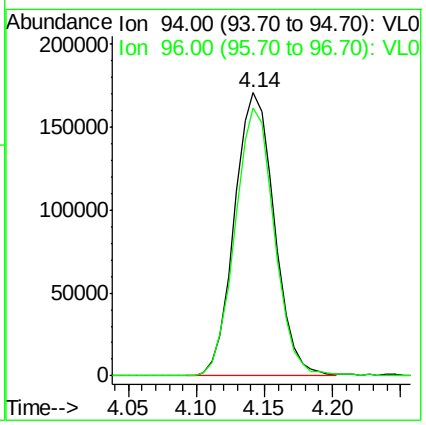


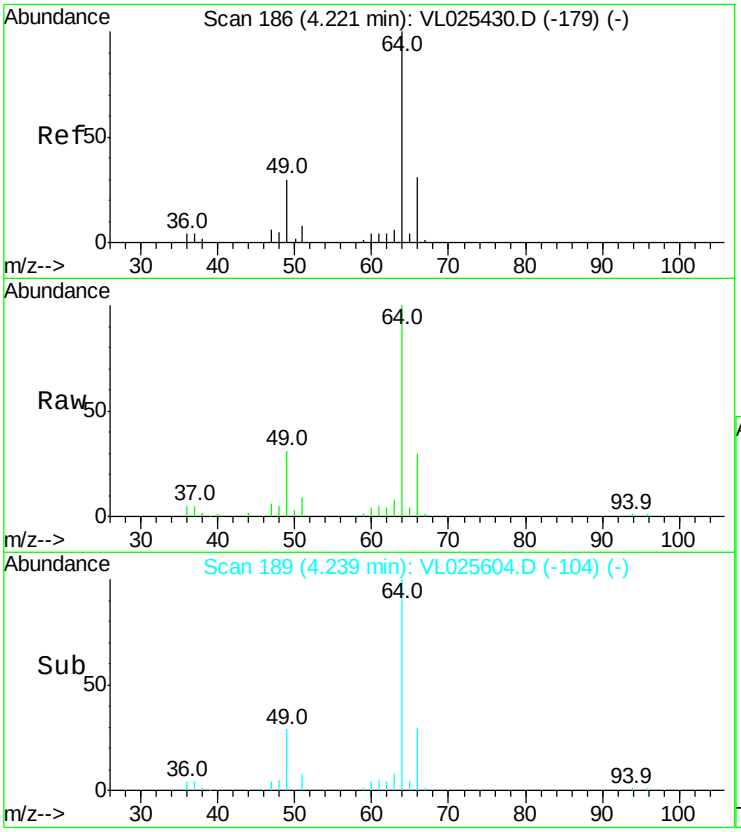


#6
Bromomethane
Concen: 10.61 ppbv
RT: 4.14 min Scan# 173
Delta R.T. 0.01 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 94 Resp: 350245

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.2	114.4



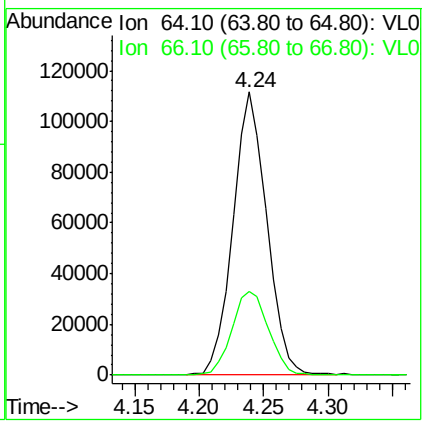


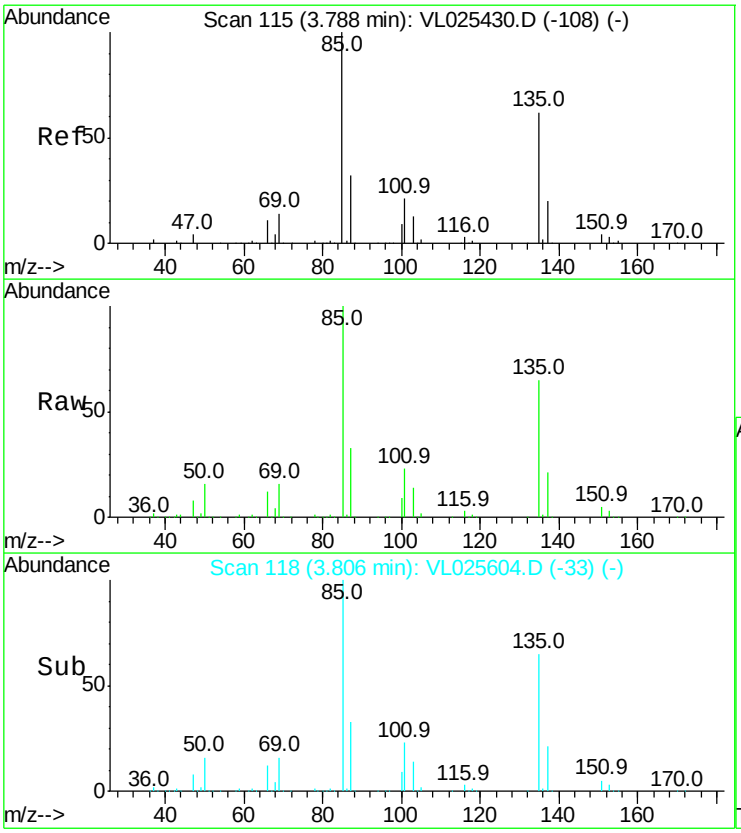
#7
Chloroethane
Concen: 10.08 ppbv
RT: 4.24 min Scan# 189
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 203212

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.0	36.0

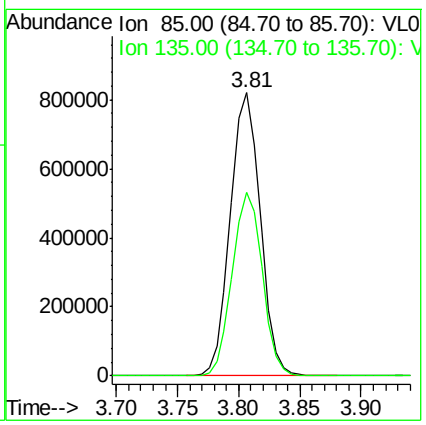


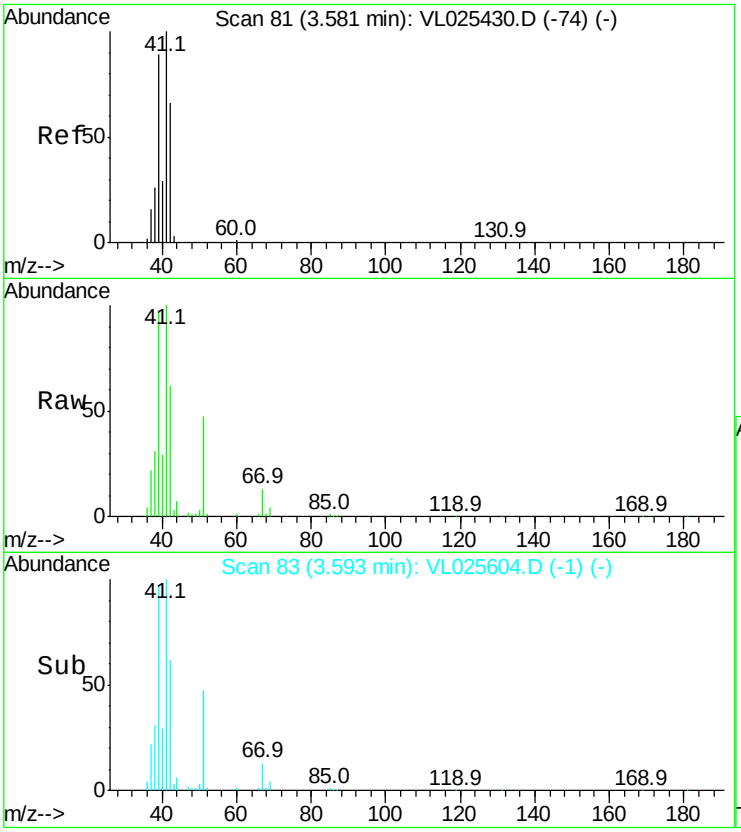


#8
Dichlorotetrafluoroethane
Concen: 10.61 ppbv
RT: 3.81 min Scan# 118
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 85 Resp: 1389255

Ion	Ratio	Lower	Upper
85	100		
135	65.3	52.5	78.7



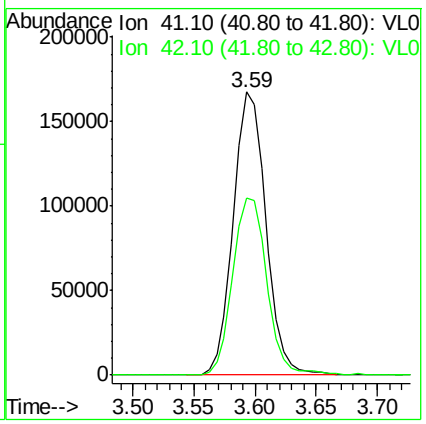


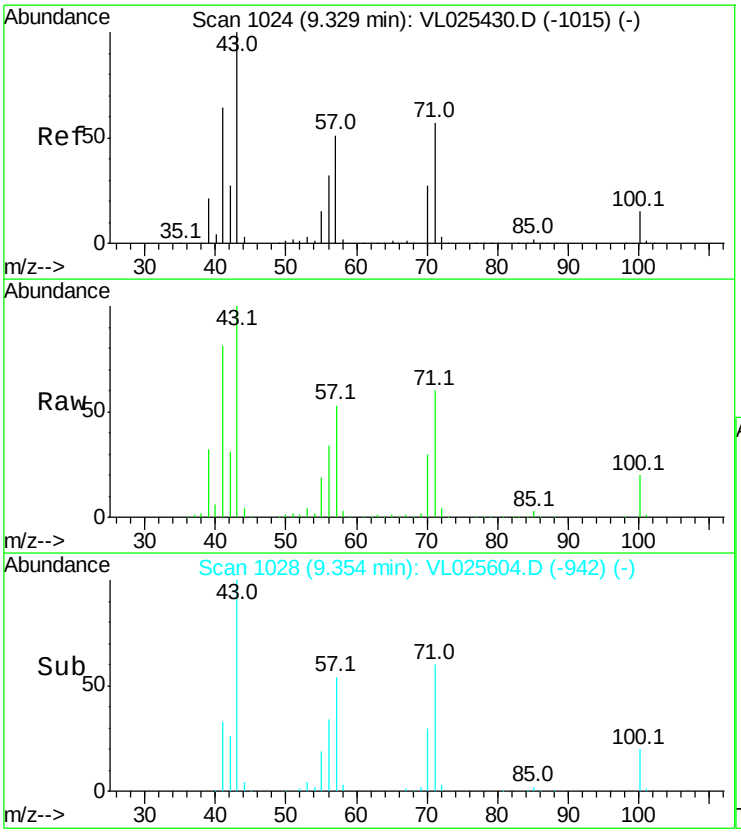
#9
Propene
Concen: 8.85 ppbv
RT: 3.59 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 310512

Ion	Ratio	Lower	Upper
41	100		
42	65.5	51.9	77.9

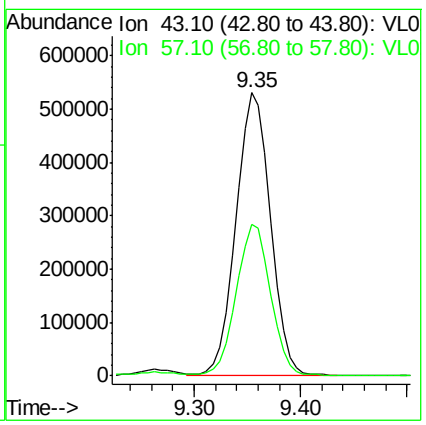


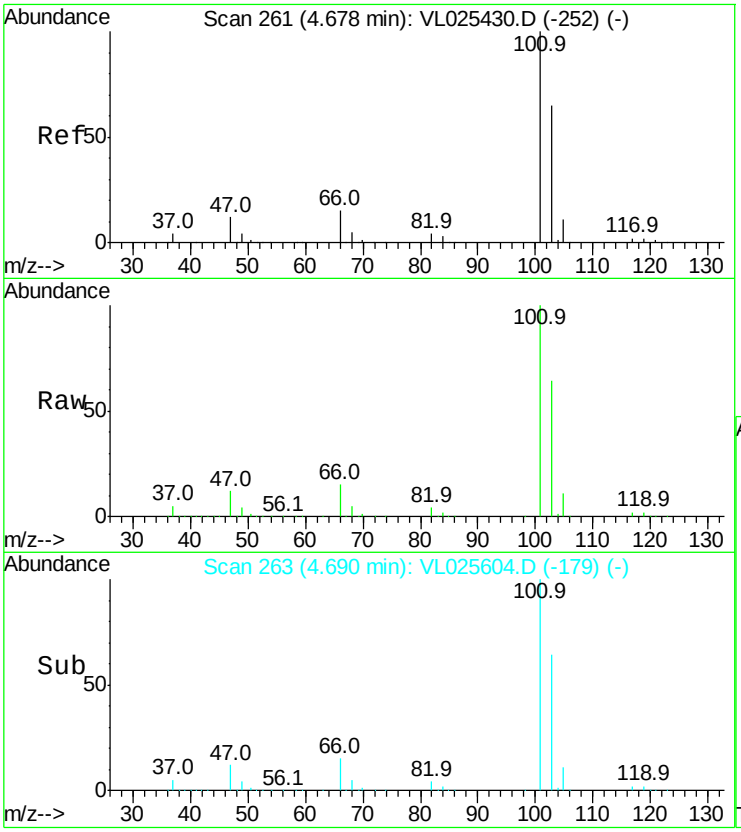


#10
Heptane
Concen: 9.60 ppbv
RT: 9.35 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 43 Resp: 1199846

Ion	Ratio	Lower	Upper
43	100		
57	53.3	41.5	62.3



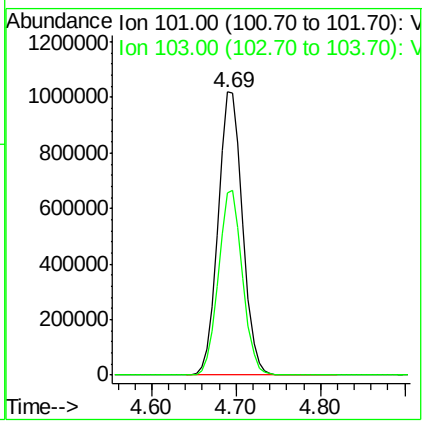


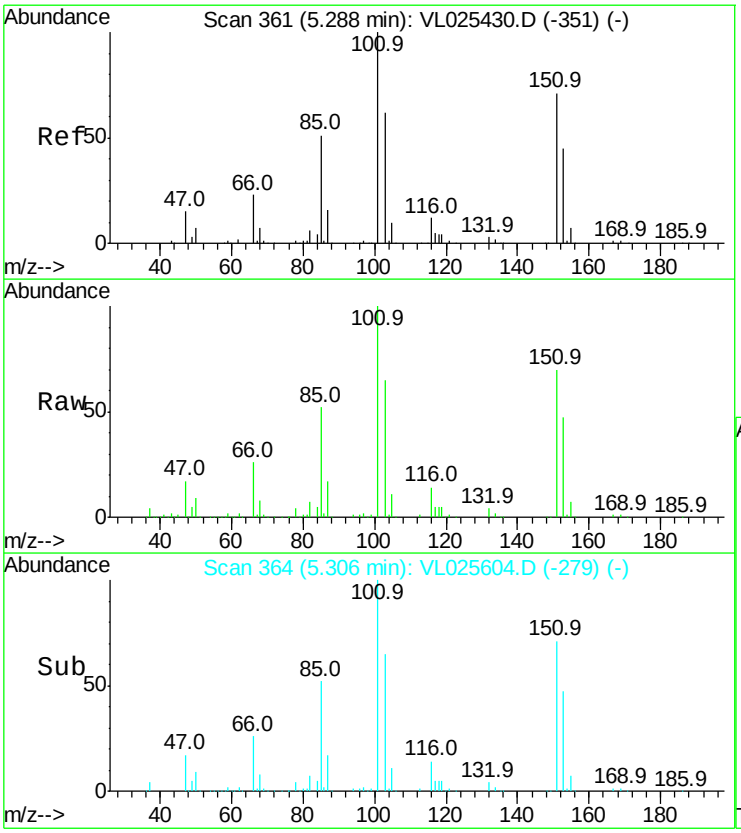
#11
Trichlorofluoromethane
Concen: 11.93 ppbv
RT: 4.69 min Scan# 263
Delta R.T. 0.01 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2039038

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6

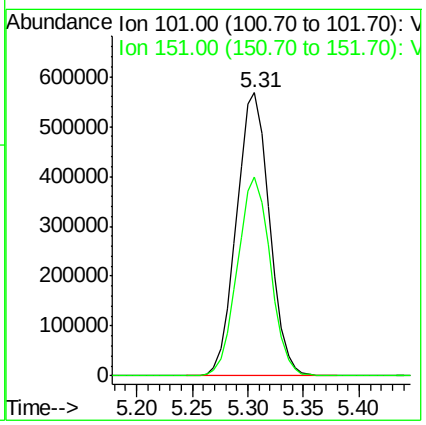


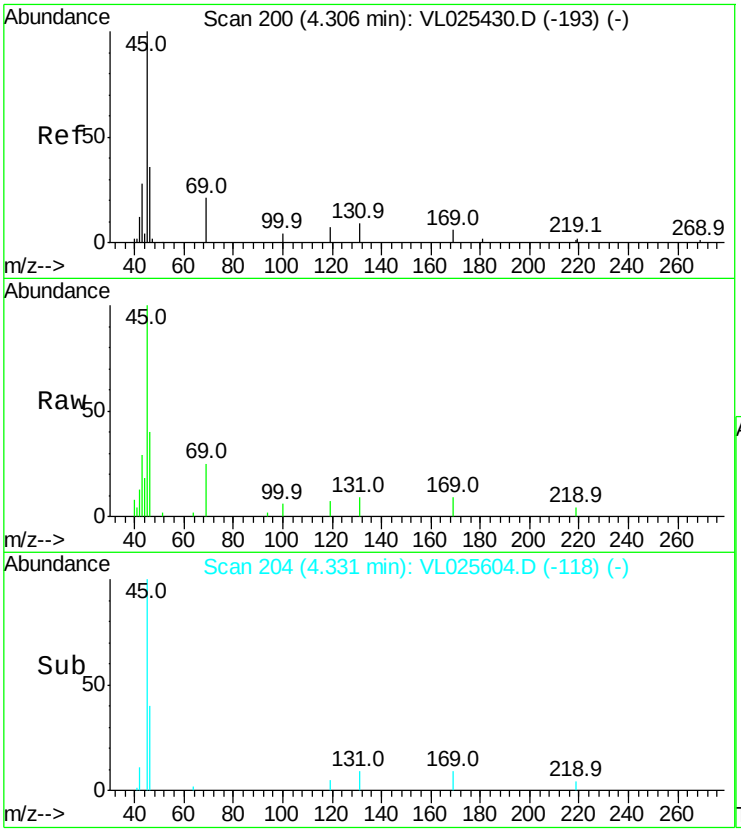


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.37 ppbv
RT: 5.31 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:101 Resp: 1172362

Ion	Ratio	Lower	Upper
101	100		
151	70.4	57.3	85.9



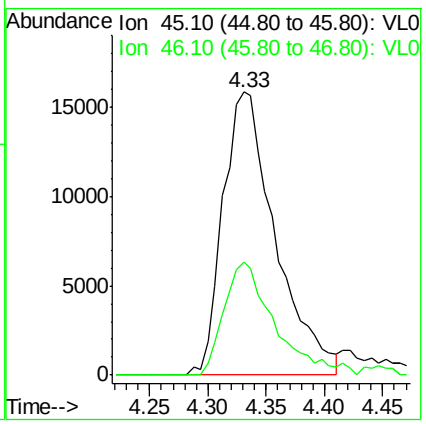


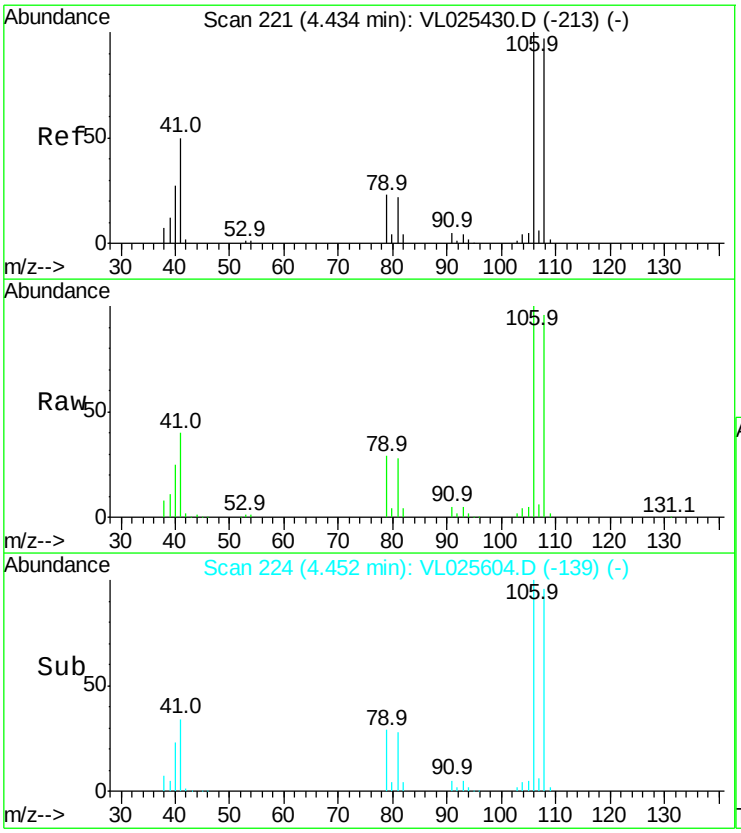
#13
Ethanol
Concen: 7.83 ppbv
RT: 4.33 min Scan# 204
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 49580

Ion	Ratio	Lower	Upper
45	100		
46	40.0	15.8	63.0

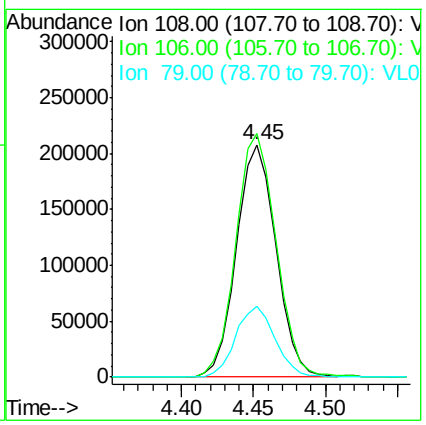


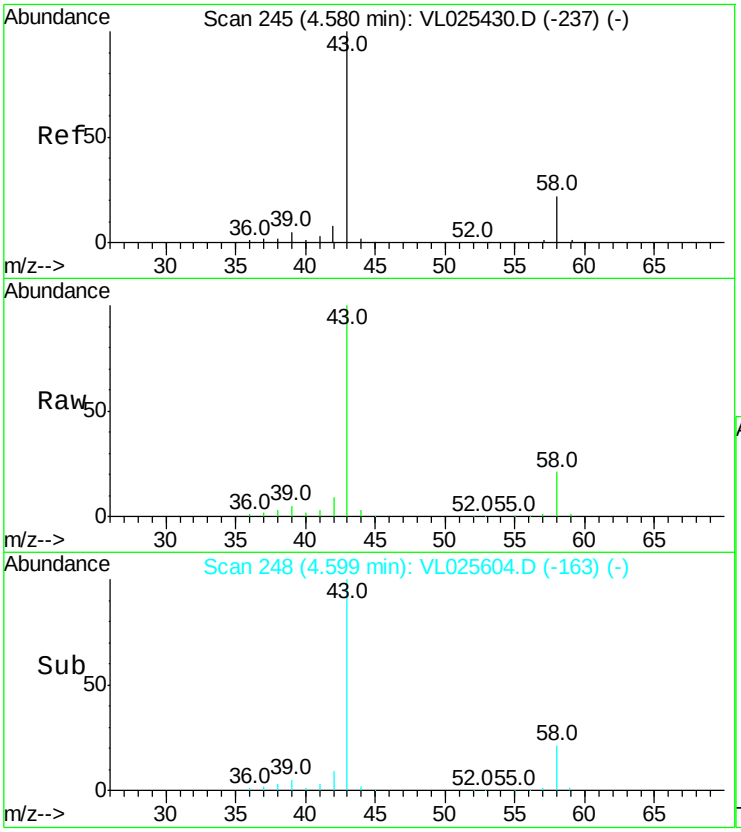


#14
Bromoethene
Concen: 10.78 ppbv
RT: 4.45 min Scan# 224
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:108 Resp: 396594

Ion	Ratio	Lower	Upper
108	100		
106	107.1	84.6	127.0
79	30.7	20.6	31.0



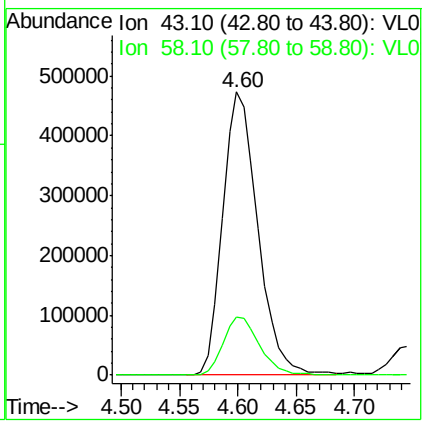


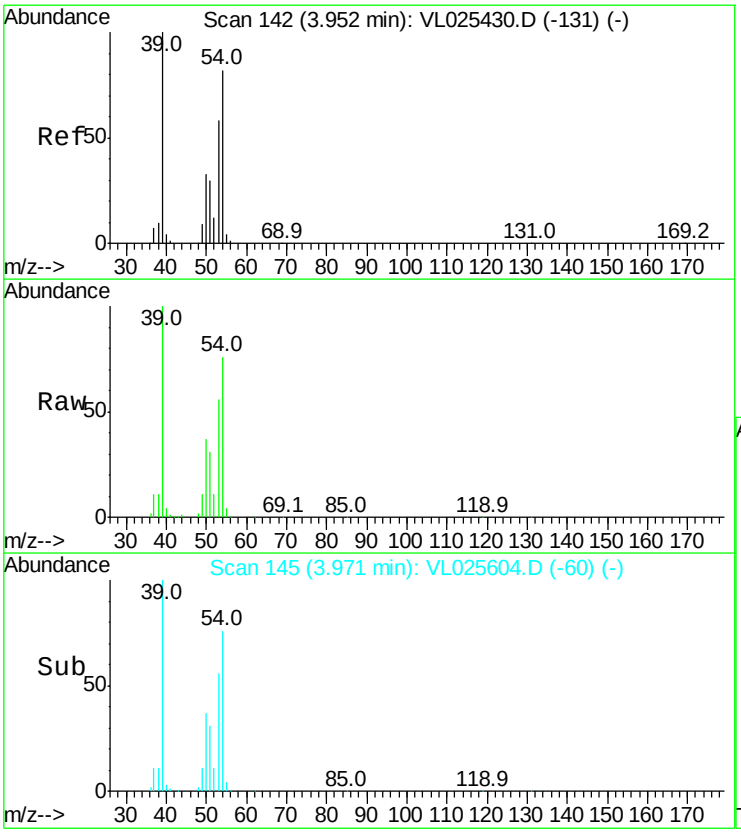
#15
Acetone
Concen: 9.64 ppbv
RT: 4.60 min Scan# 248
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 992011

Ion	Ratio	Lower	Upper
43	100		
58	21.5	17.8	26.6

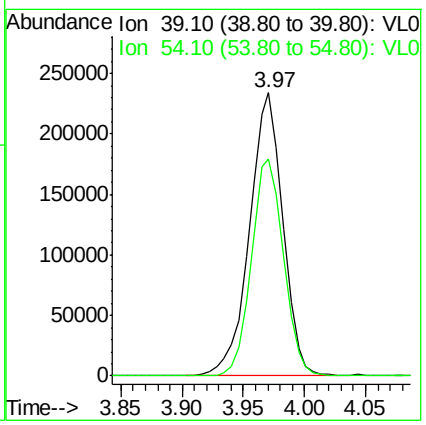


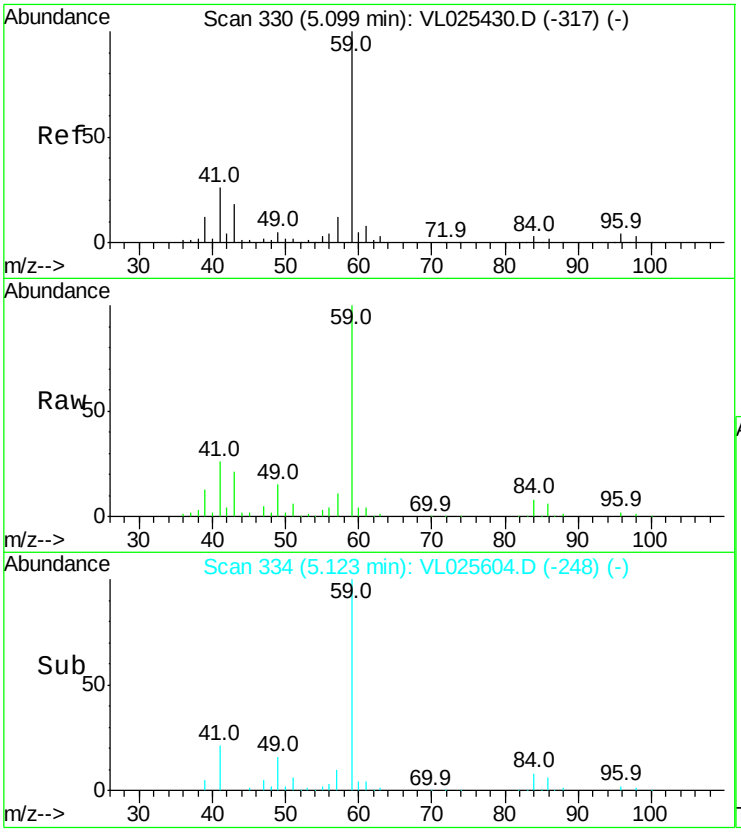


#16
1,3-Butadiene
Concen: 9.84 ppbv
RT: 3.97 min Scan# 145
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 39 Resp: 445813

Ion	Ratio	Lower	Upper
39	100		
54	74.1	59.8	89.8



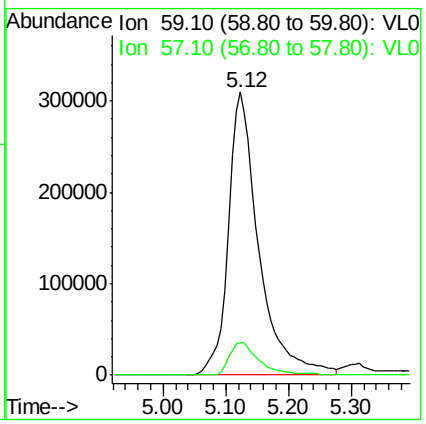


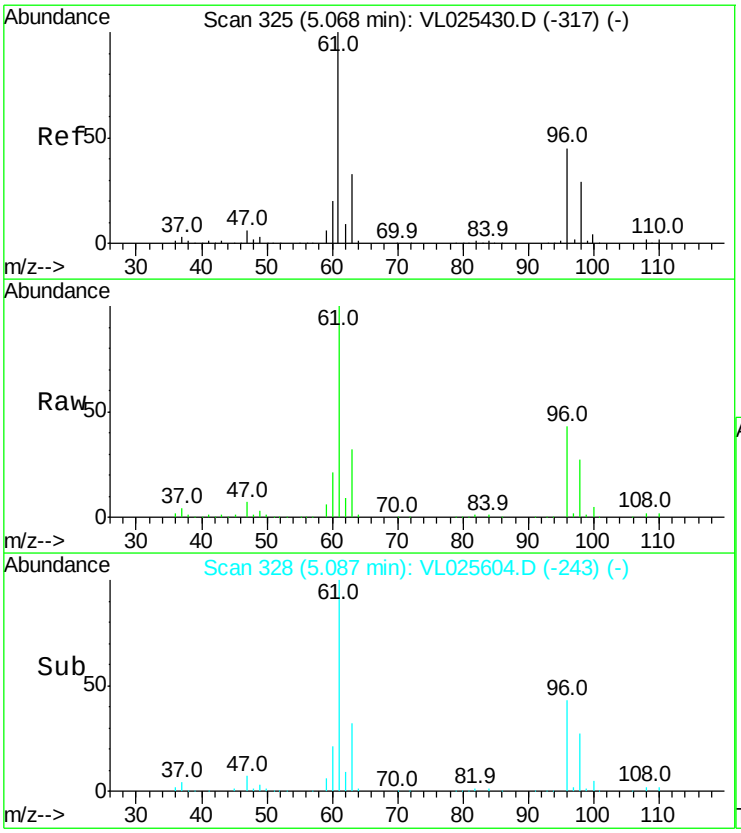
#17
tert-Butyl alcohol
Concen: 11.80 ppbv
RT: 5.12 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1038312

Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.0	13.6

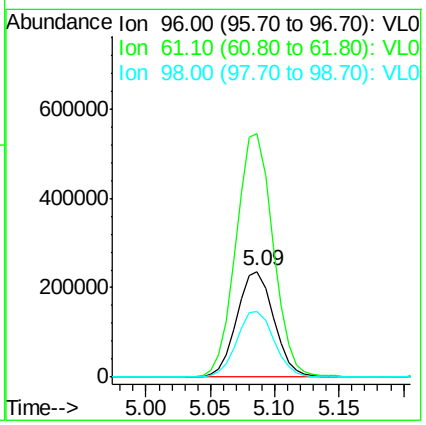


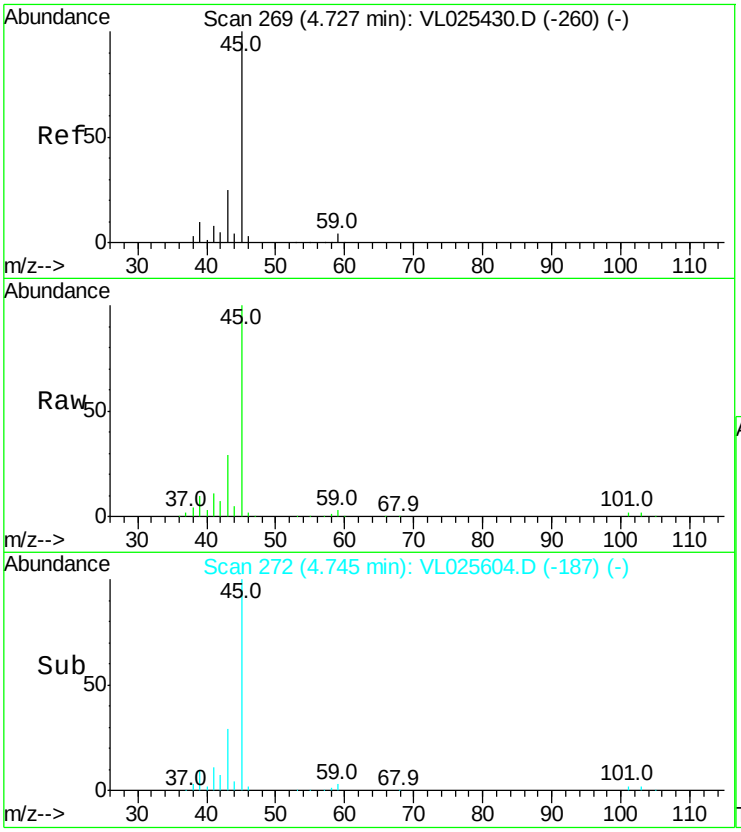


#18
1,1-Dichloroethene
Concen: 11.05 ppbv
RT: 5.09 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 96 Resp: 470111

Ion	Ratio	Lower	Upper
96	100		
61	230.1	183.5	275.3
98	62.5	51.2	76.8



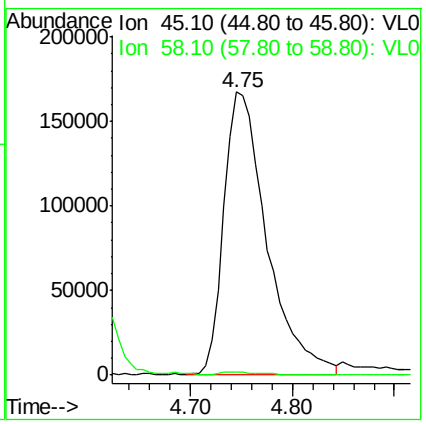


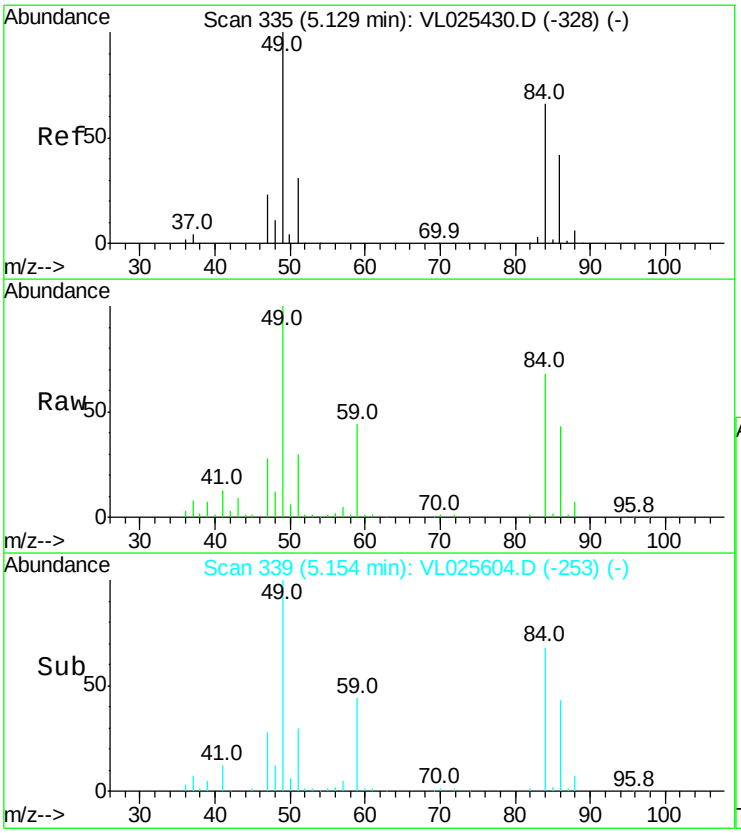
#19
Isopropyl Alcohol
Concen: 10.50 ppbv
RT: 4.75 min Scan# 272
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 491434

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.3	1.9

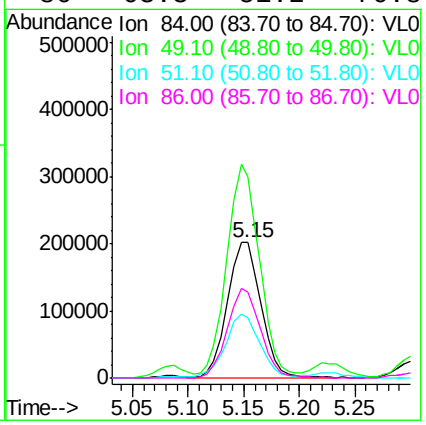


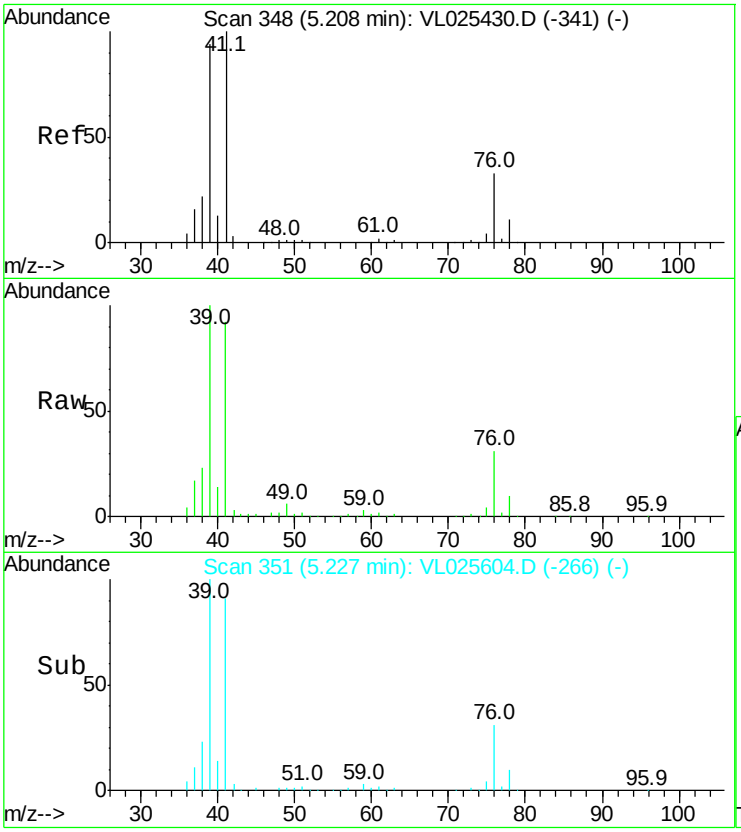


#20
Methylene Chloride
Concen: 9.53 ppbv
RT: 5.15 min Scan# 339
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 84 Resp: 425808

Ion	Ratio	Lower	Upper
84	100		
49	144.0	116.2	174.4
51	43.8	35.7	53.5
86	63.3	51.2	76.8



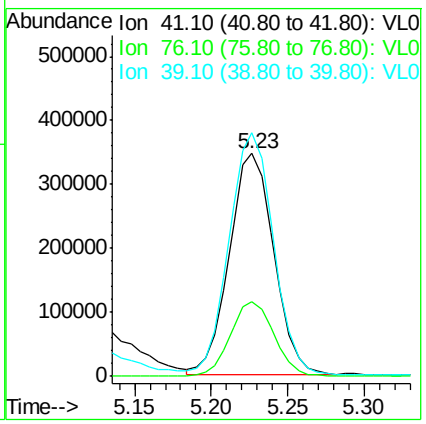


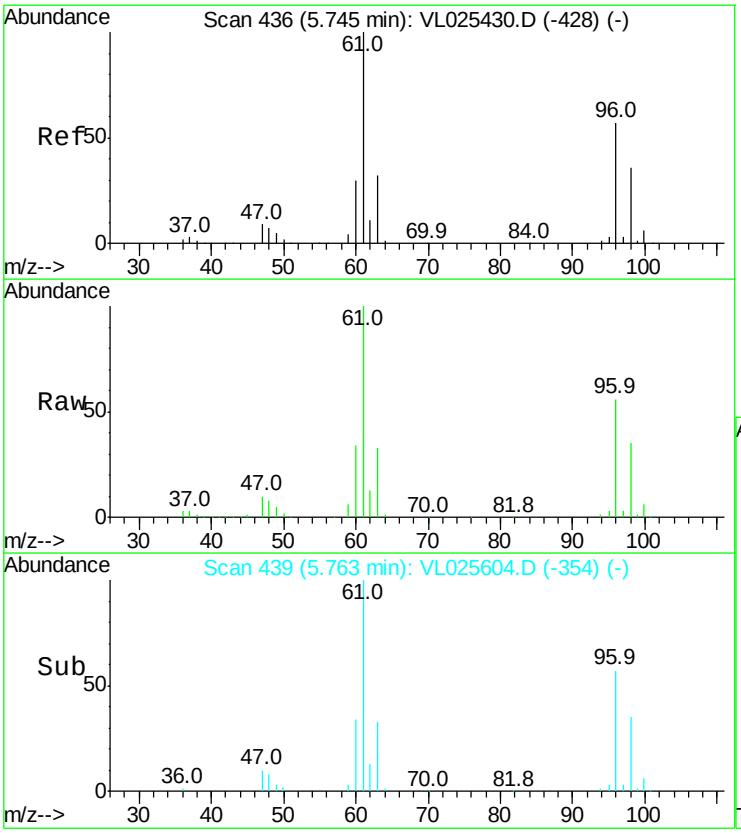
#21
Allyl Chloride
Concen: 10.38 ppbv
RT: 5.23 min Scan# 351
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 698988

Ion	Ratio	Lower	Upper
41	100		
76	33.3	25.2	37.8
39	110.3	77.2	115.8

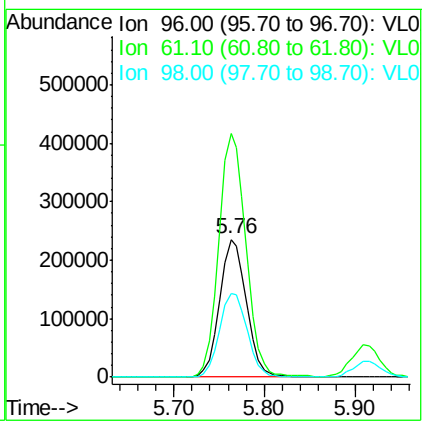


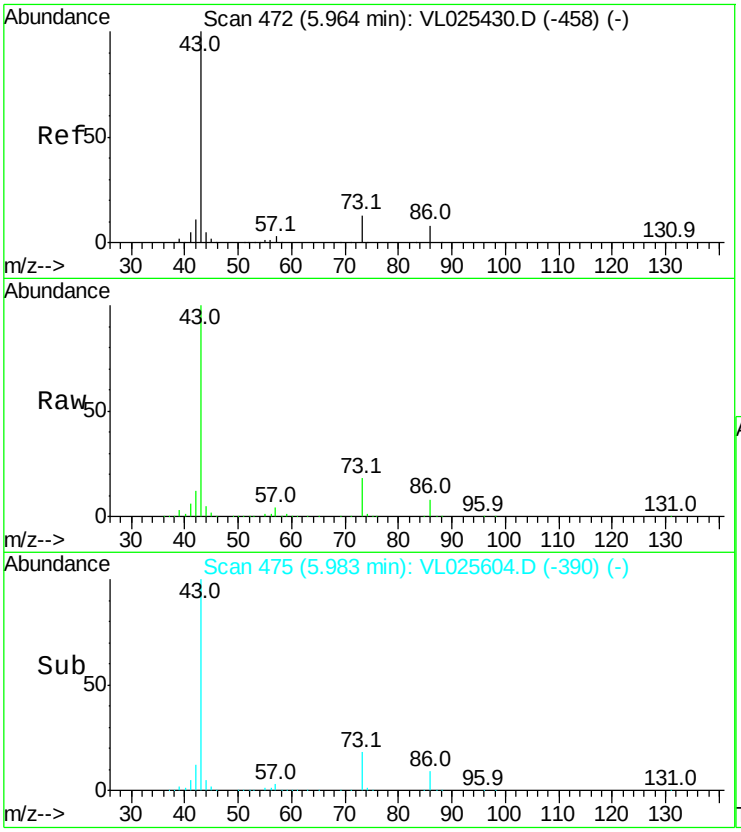


#22
trans-1,2-Dichloroethene
Concen: 9.79 ppbv
RT: 5.76 min Scan# 439
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 96 Resp: 485499

Ion	Ratio	Lower	Upper
96	100		
61	177.2	140.1	210.1
98	61.3	51.1	76.7



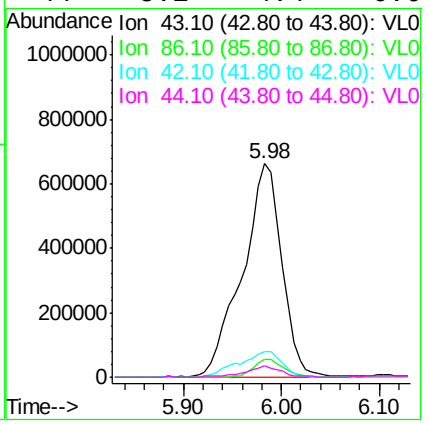


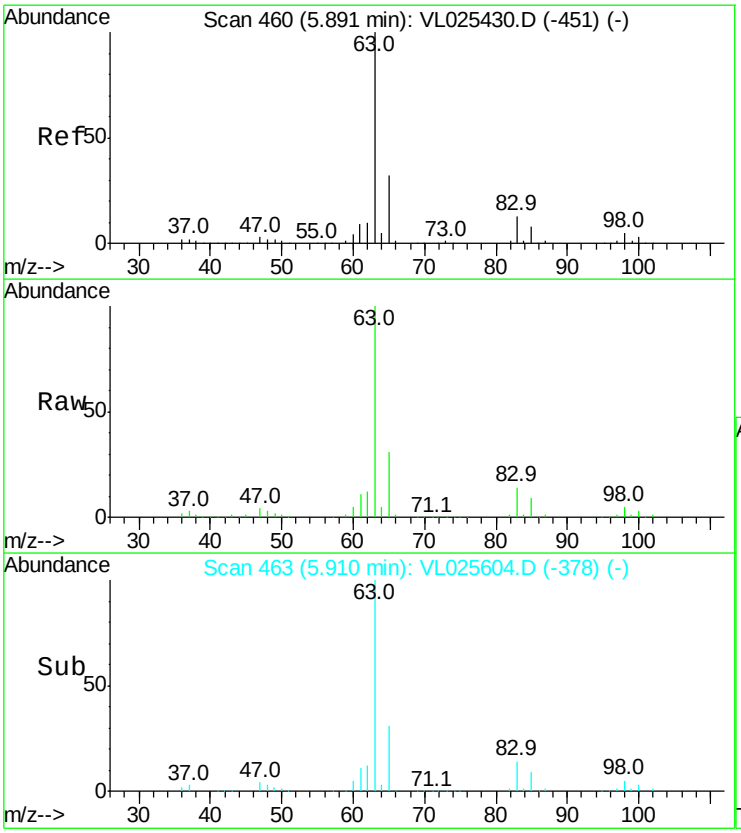
#23
Vinyl Acetate
Concen: 10.23 ppbv
RT: 5.98 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1846094

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.4
42	12.2	9.2	13.8
44	5.1	4.4	6.6

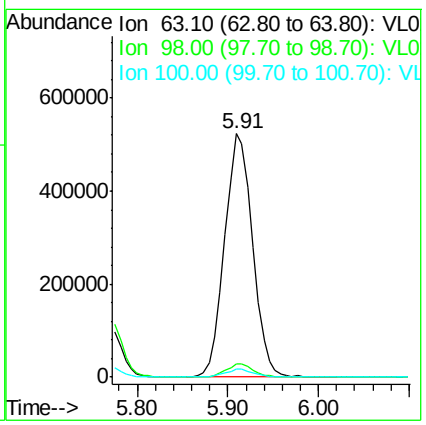


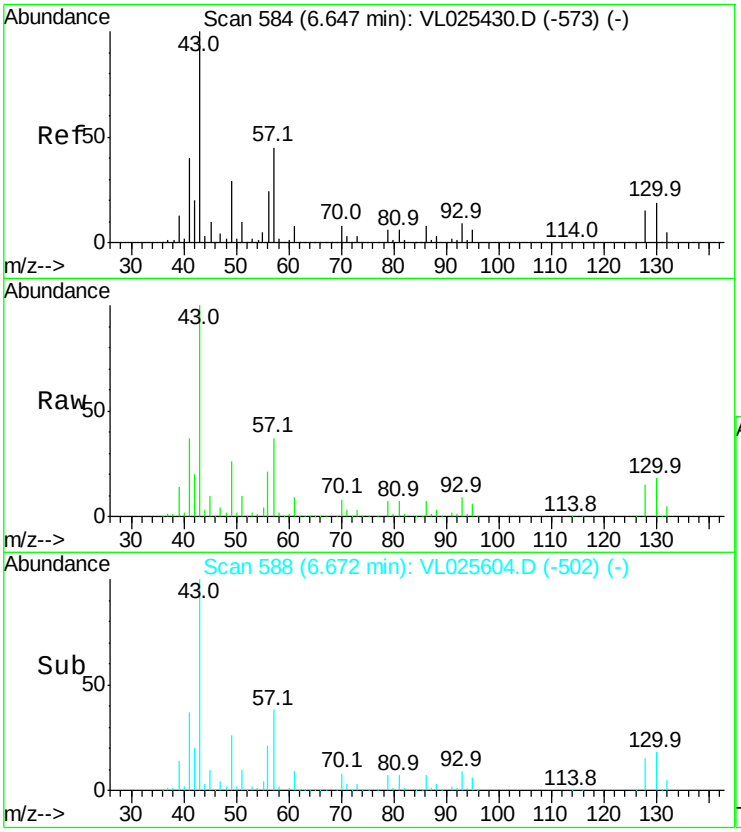


#24
1,1-Dichloroethane
Concen: 9.55 ppbv
RT: 5.91 min Scan# 463
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 63 Resp: 1121573

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.6	7.8
100	3.1	1.7	5.0



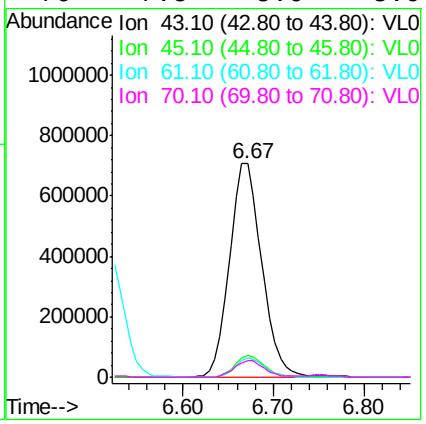


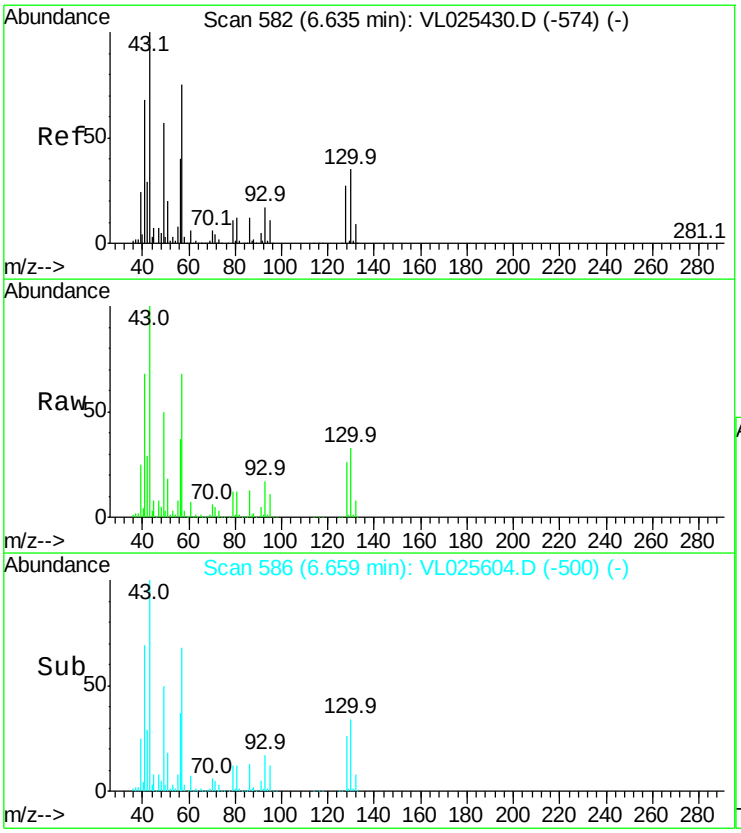
#25
Ethyl Acetate
Concen: 9.41 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1742817

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.7	11.5
61	8.3	6.7	10.1
70	7.5	5.9	8.9

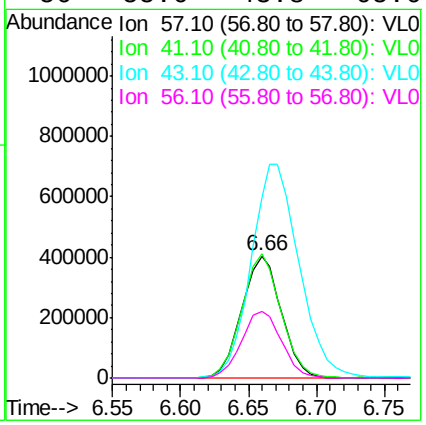


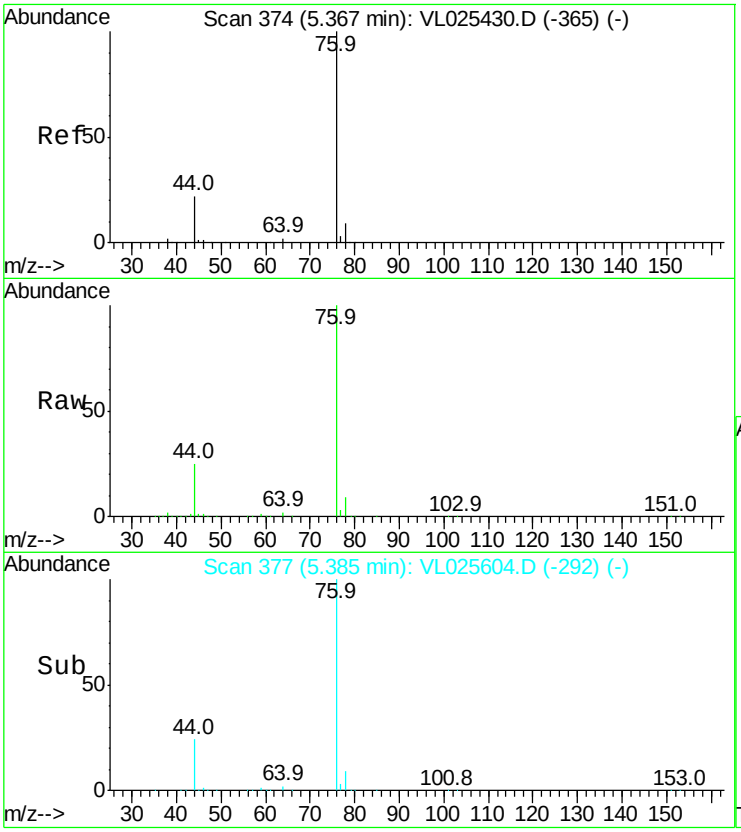


#26
Hexane
Concen: 9.39 ppbv
RT: 6.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 57 Resp: 818941

Ion	Ratio	Lower	Upper
57	100		
41	101.8	77.7	116.5
43	214.3	167.0	250.4
56	55.6	43.8	65.6



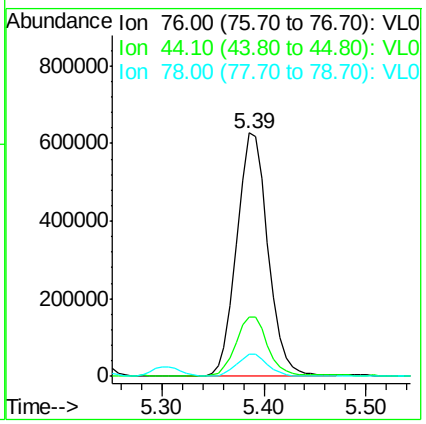


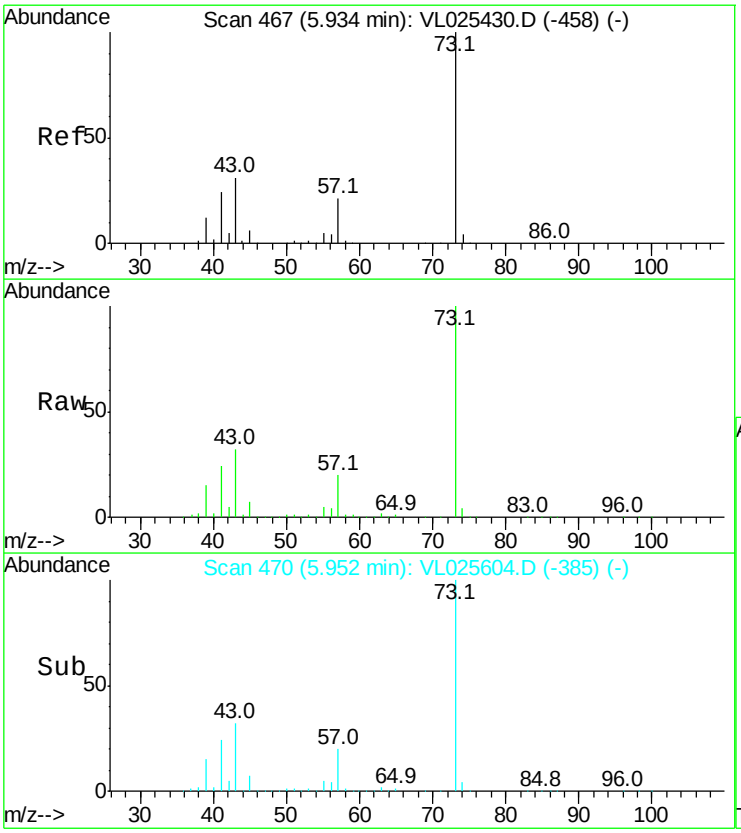
#27
Carbon Disulfide
Concen: 11.10 ppbv
RT: 5.39 min Scan# 377
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 1336703

Ion	Ratio	Lower	Upper
76	100		
44	25.3	17.7	26.5
78	9.3	7.5	11.3

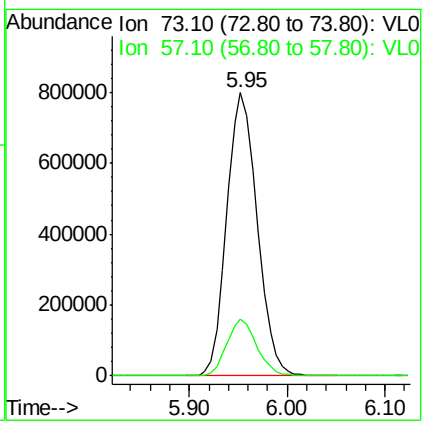


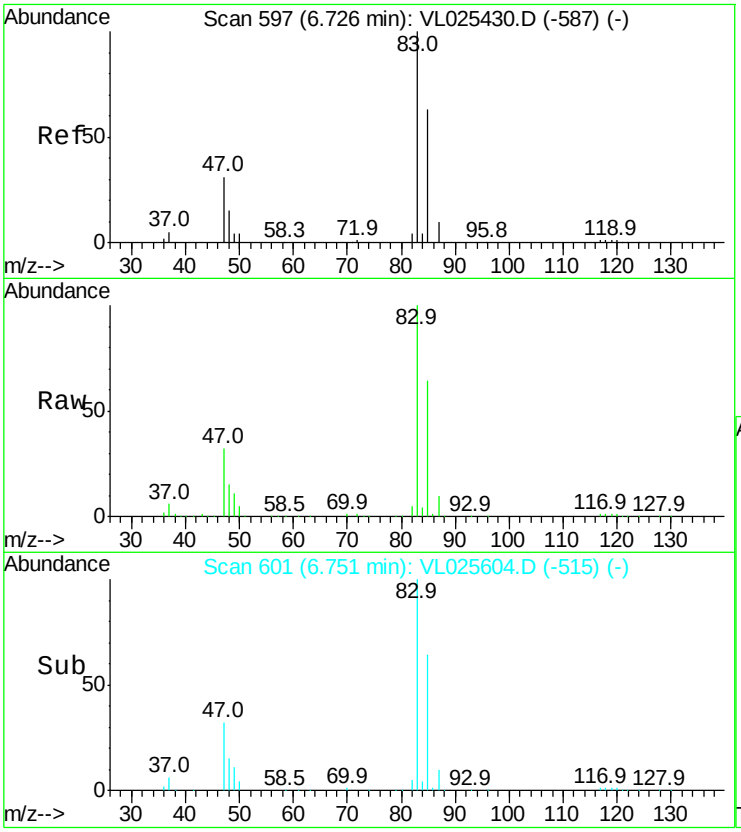


#28
Methyl tert-Butyl Ether
Concen: 10.64 ppbv
RT: 5.95 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 73 Resp: 1727436

Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.0	25.6



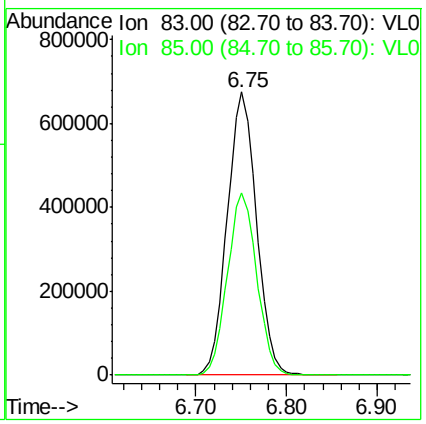


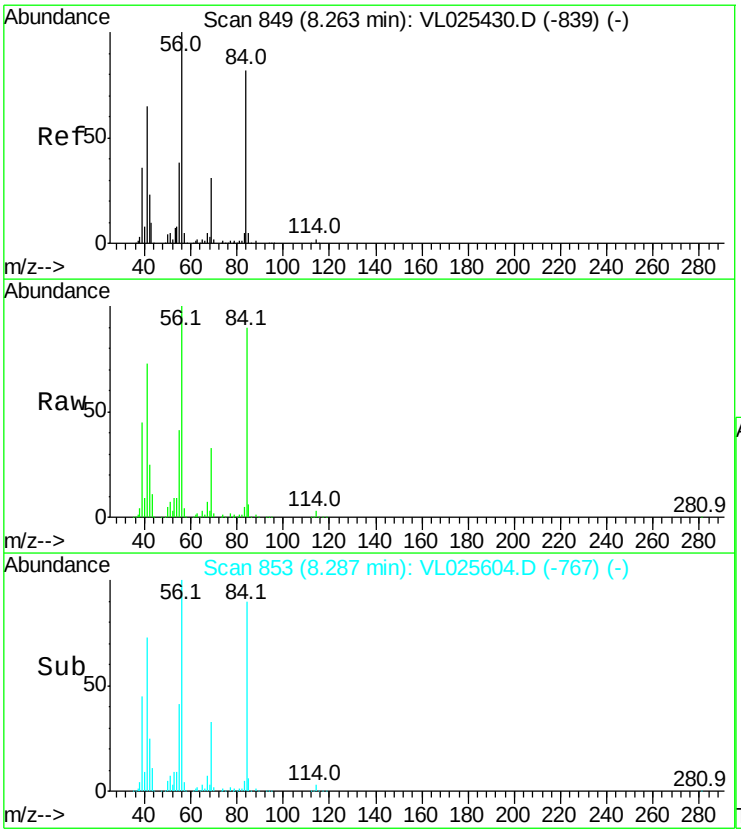
#29
Chloroform
Concen: 10.47 ppbv
RT: 6.75 min Scan# 601
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1517106

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.3	79.9

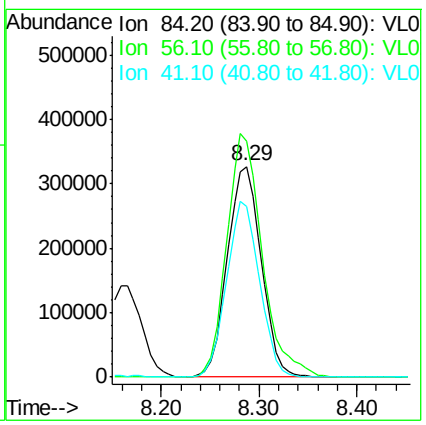


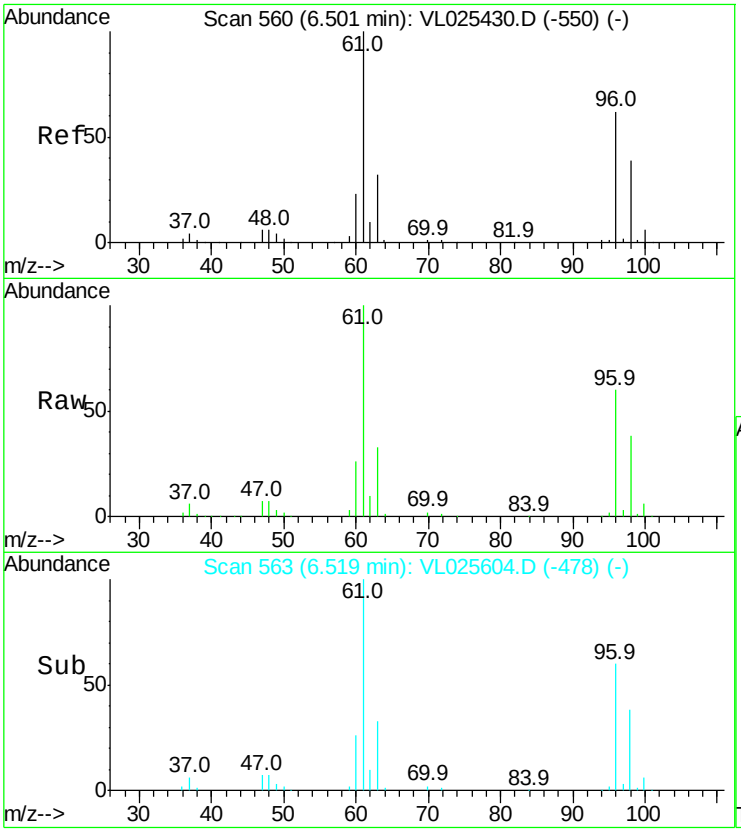


#30
Cyclohexane
Concen: 9.84 ppbv
RT: 8.29 min Scan# 853
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 84 Resp: 782845

Ion	Ratio	Lower	Upper
84	100		
56	121.9	100.6	150.8
41	81.8	63.8	95.8



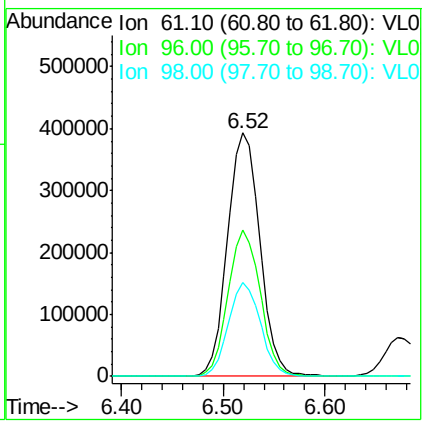


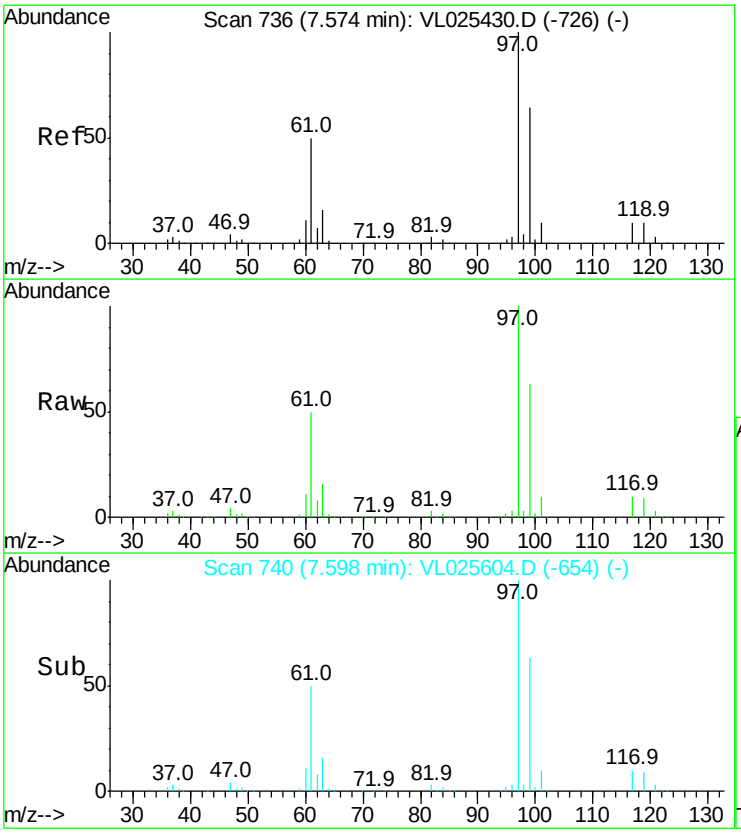
#31
cis-1,2-Dichloroethene
Concen: 10.36 ppbv
RT: 6.52 min Scan# 563
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 865634

Ion	Ratio	Lower	Upper
61	100		
96	60.1	49.1	73.7
98	38.4	31.7	47.5

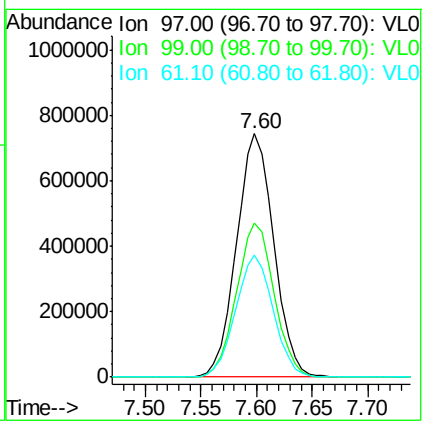


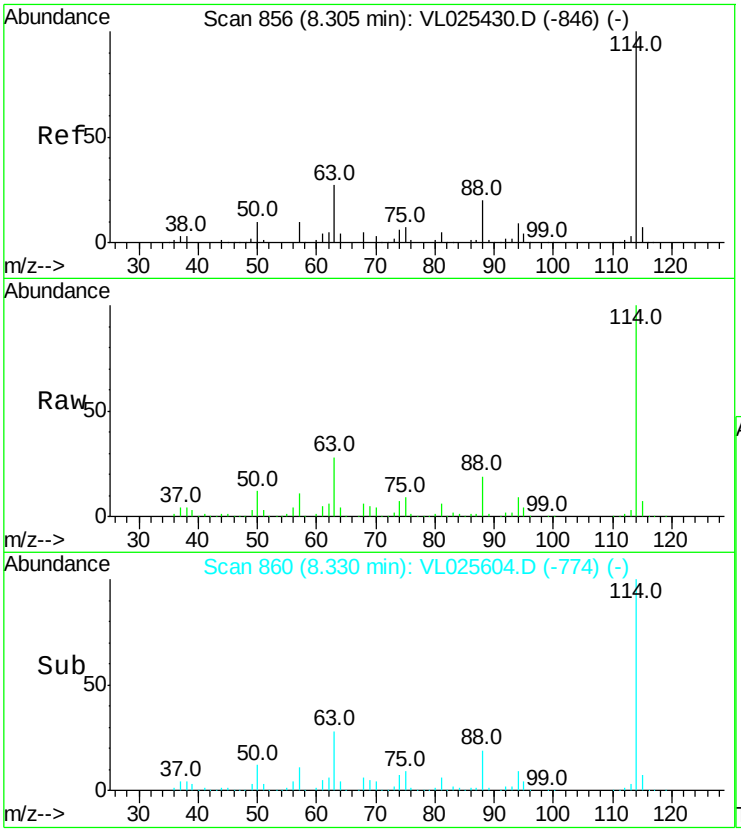


#32
1,1,1-Trichloroethane
Concen: 10.59 ppbv
RT: 7.60 min Scan# 740
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 97 Resp: 1731710

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	50.5	40.9	61.3



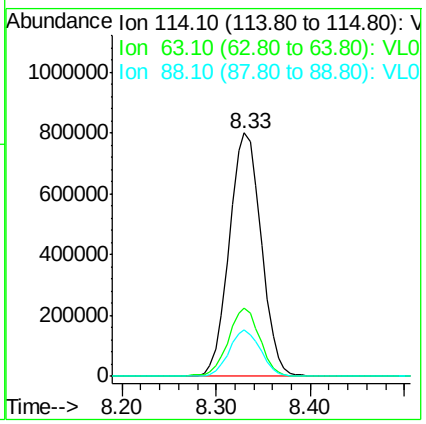


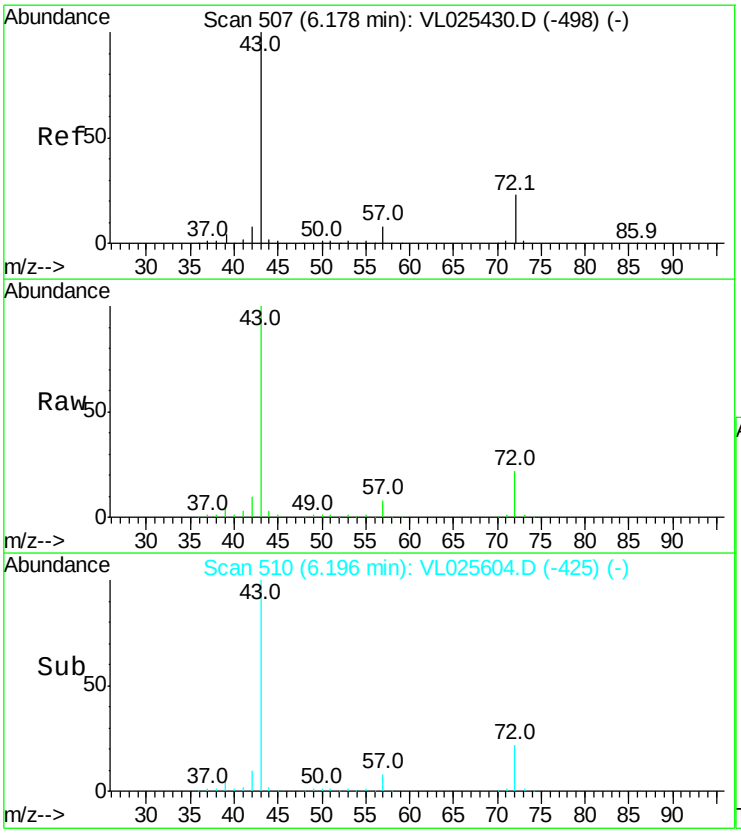
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.33 min Scan# 860
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 1889486

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.2
88	18.7	15.1	22.7

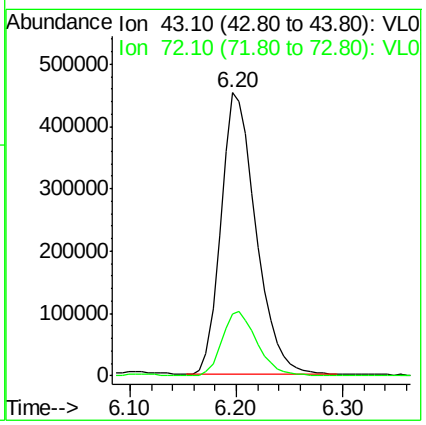


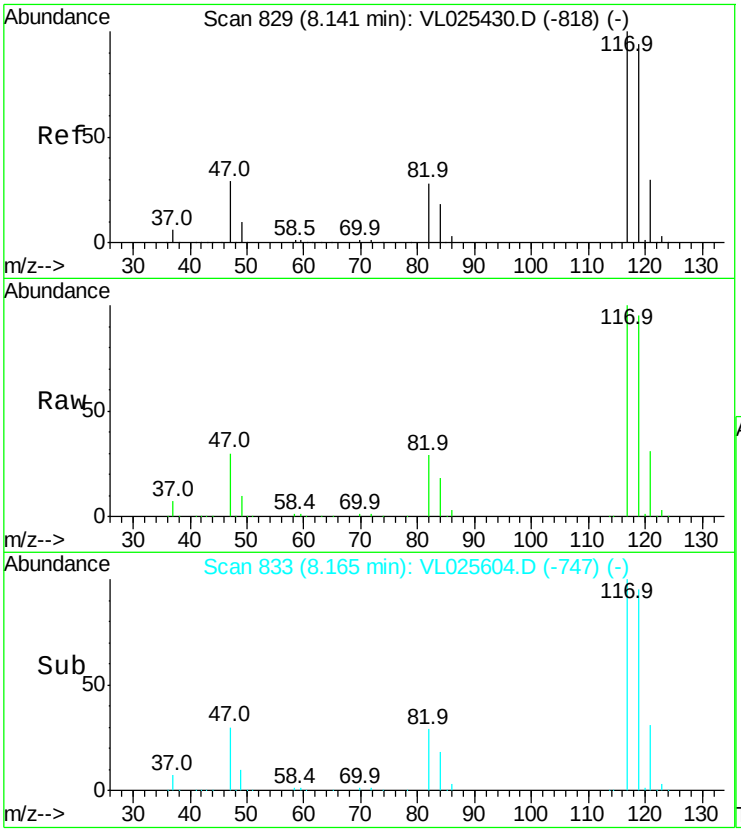


#34
2-Butanone
Concen: 9.21 ppbv
RT: 6.20 min Scan# 510
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 43 Resp: 1036534

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.4



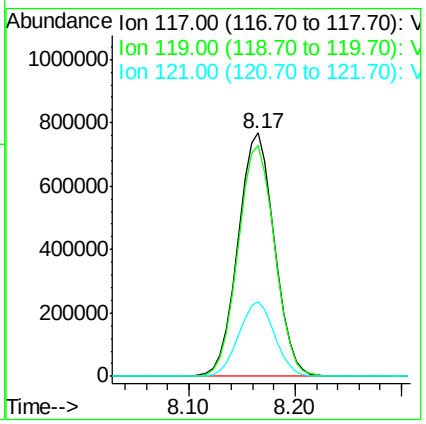


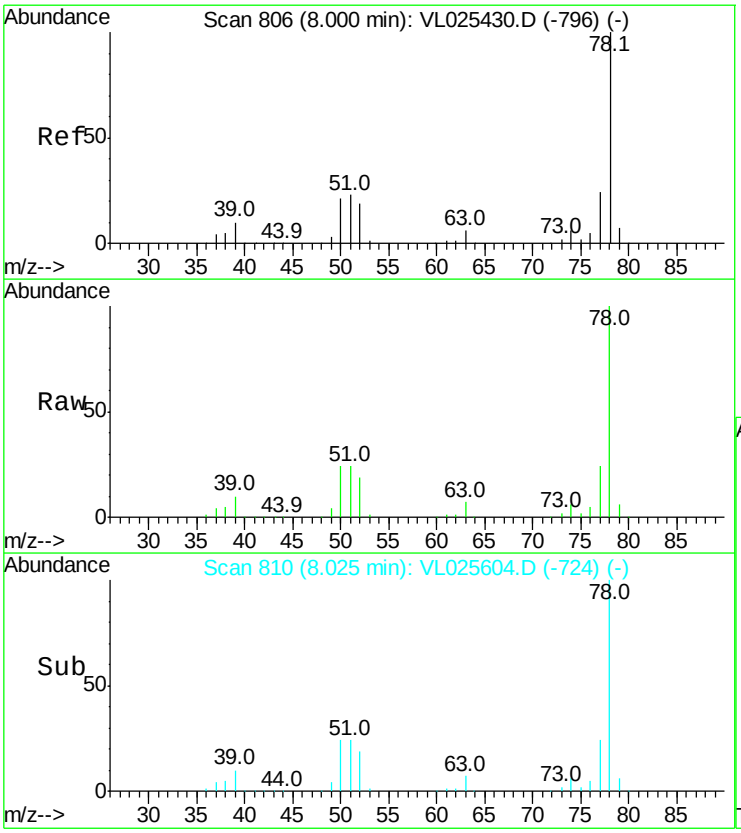
#35
Carbon Tetrachloride
Concen: 10.81 ppbv
RT: 8.17 min Scan# 833
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 1845919

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	114.8
121	30.5	24.6	36.8

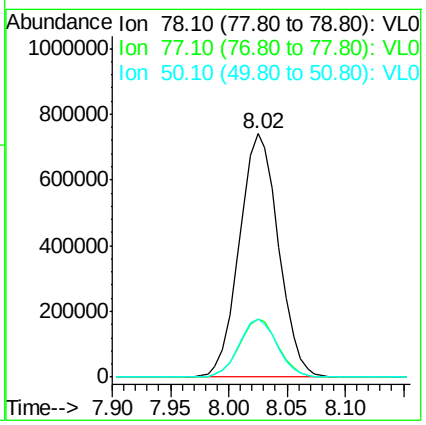


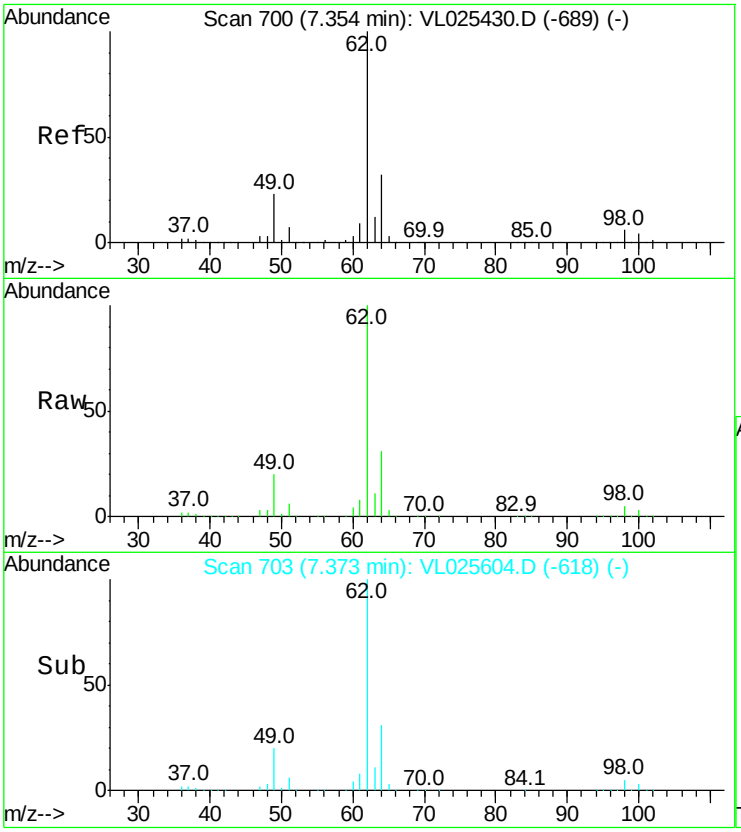


#36
Benzene
Concen: 9.29 ppbv
RT: 8.02 min Scan# 810
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 78 Resp: 1733249

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3
50	24.0	17.7	26.5



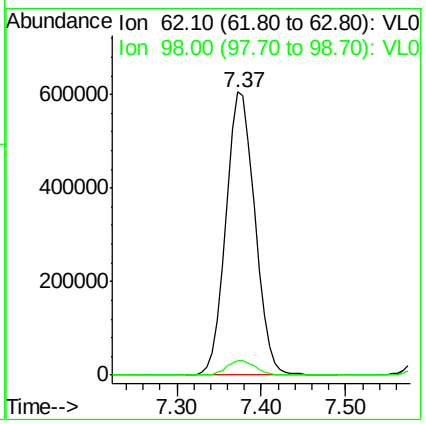


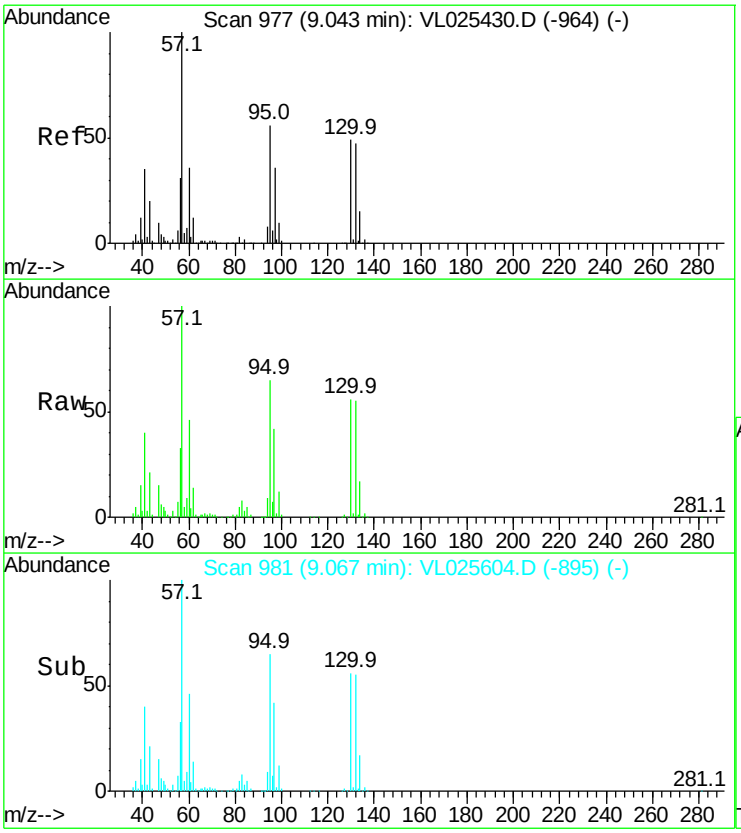
#37
1,2-Dichloroethane
Concen: 10.91 ppbv
RT: 7.37 min Scan# 703
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1415811

Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.7	7.1

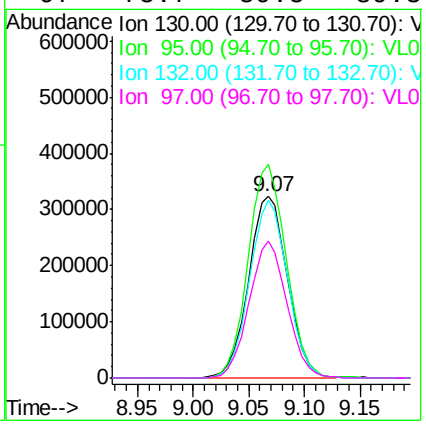


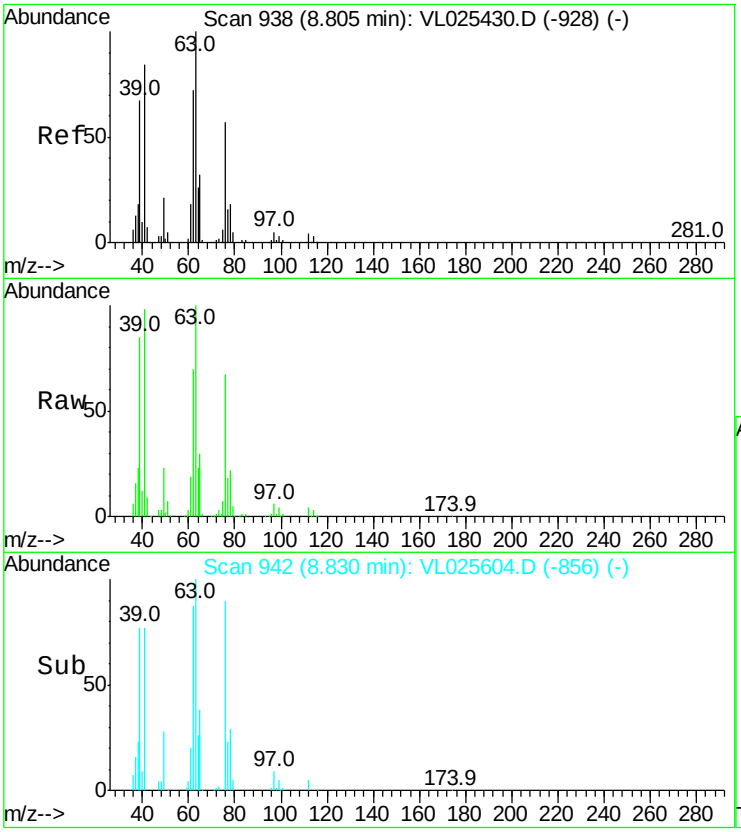


#38
Trichloroethene
Concen: 9.76 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:130 Resp: 786669

Ion	Ratio	Lower	Upper
130	100		
95	117.8	91.5	137.3
132	98.3	77.0	115.4
97	75.7	59.5	89.3



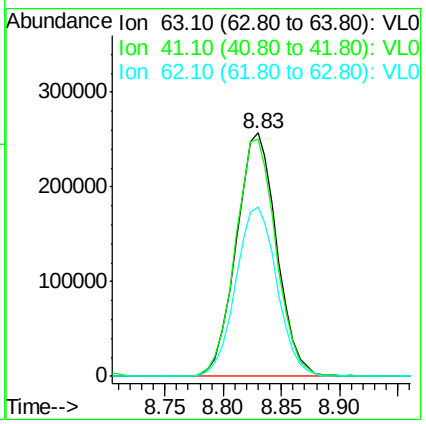


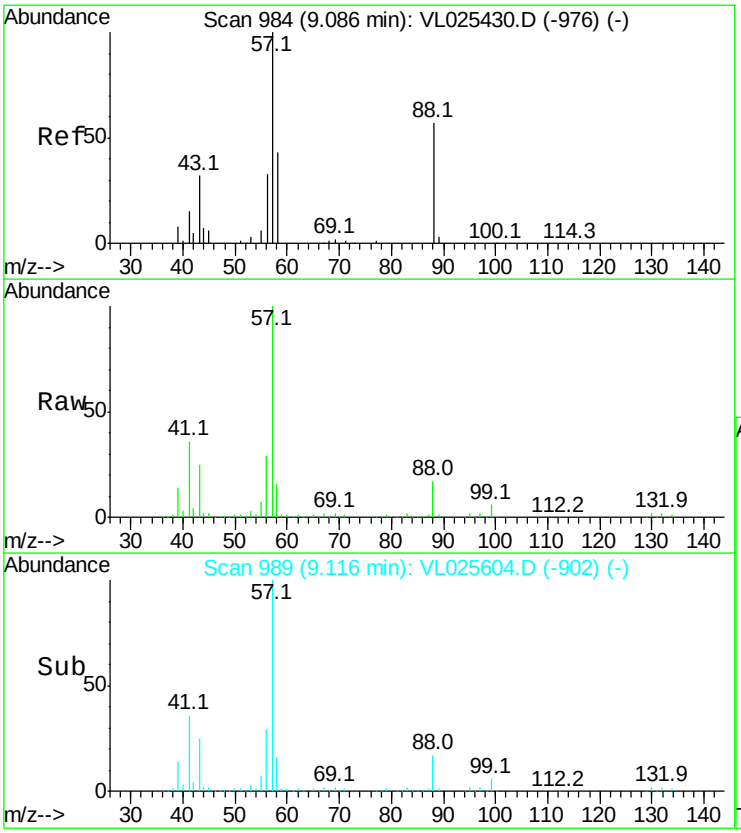
#39
1,2-Dichloropropane
Concen: 8.99 ppbv
RT: 8.83 min Scan# 942
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 622947

Ion	Ratio	Lower	Upper
63	100		
41	97.5	68.3	102.5
62	69.6	55.2	82.8

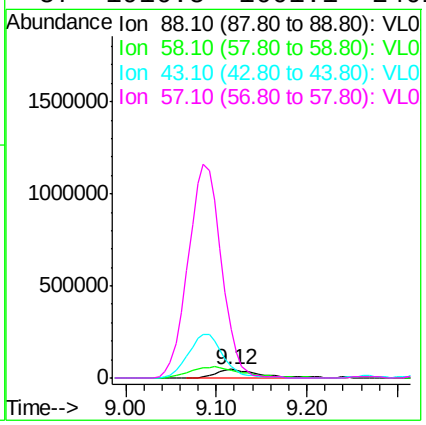


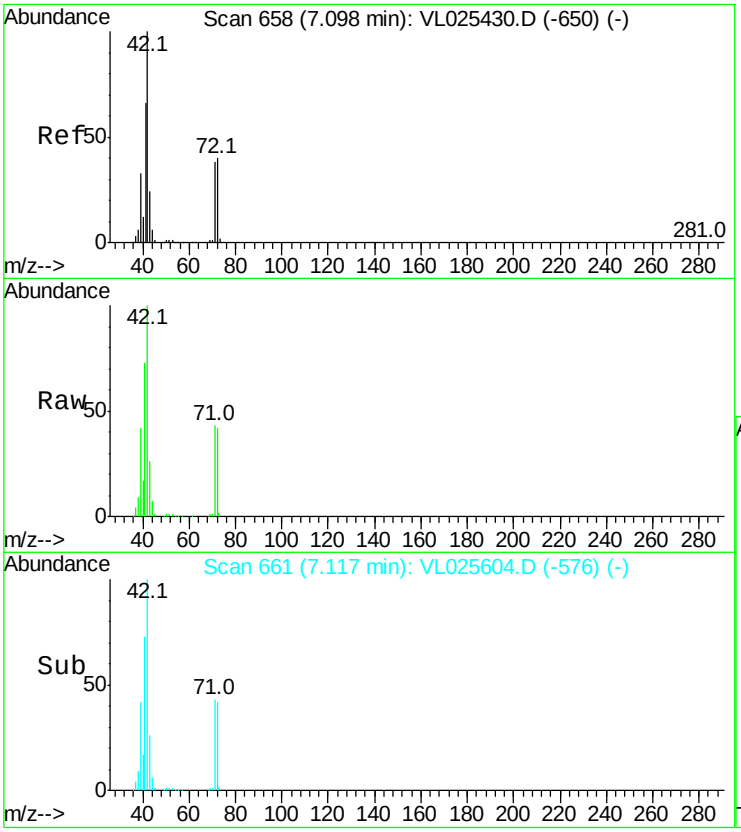


#40
1,4-Dioxane
Concen: 10.09 ppbv
RT: 9.12 min Scan# 989
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 88 Resp: 155145

Ion	Ratio	Lower	Upper
88	100		
58	158.9	130.2	195.4
43	422.1	347.4	521.0
57	1916.5	1601.1	2401.7



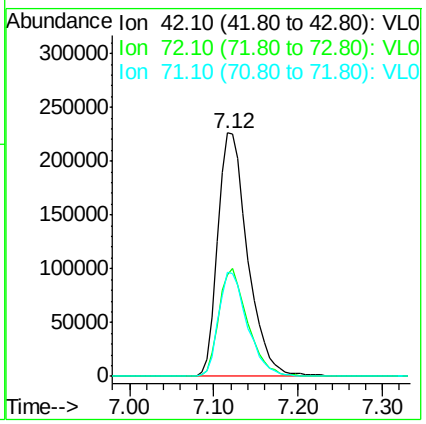


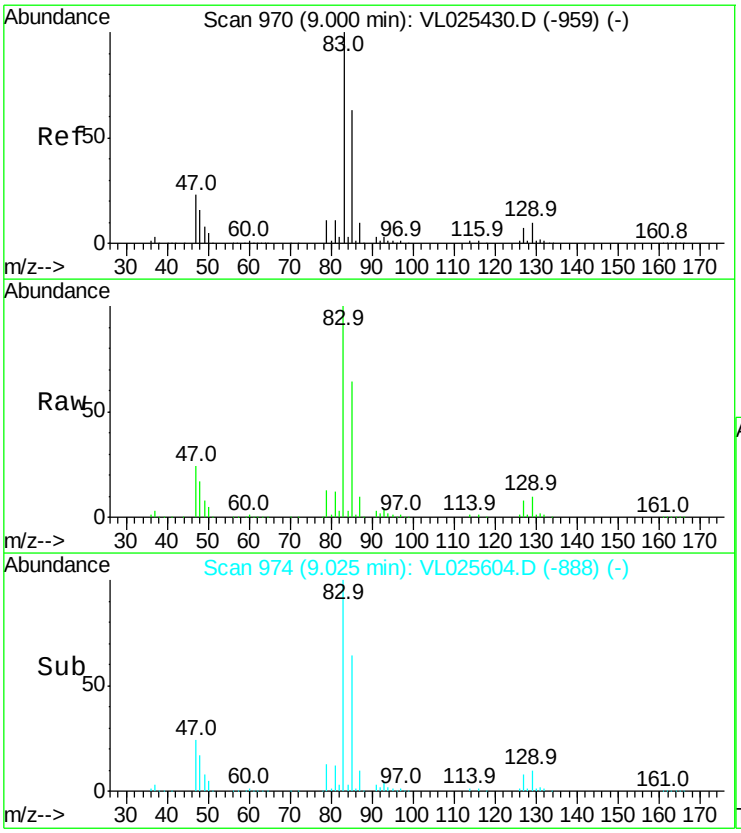
#41
Tetrahydrofuran
Concen: 9.16 ppbv
RT: 7.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 42 Resp: 553490

Ion	Ratio	Lower	Upper
42	100		
72	42.5	32.7	49.1
71	41.3	31.0	46.4

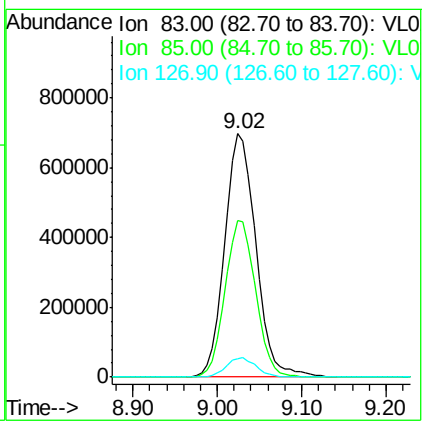


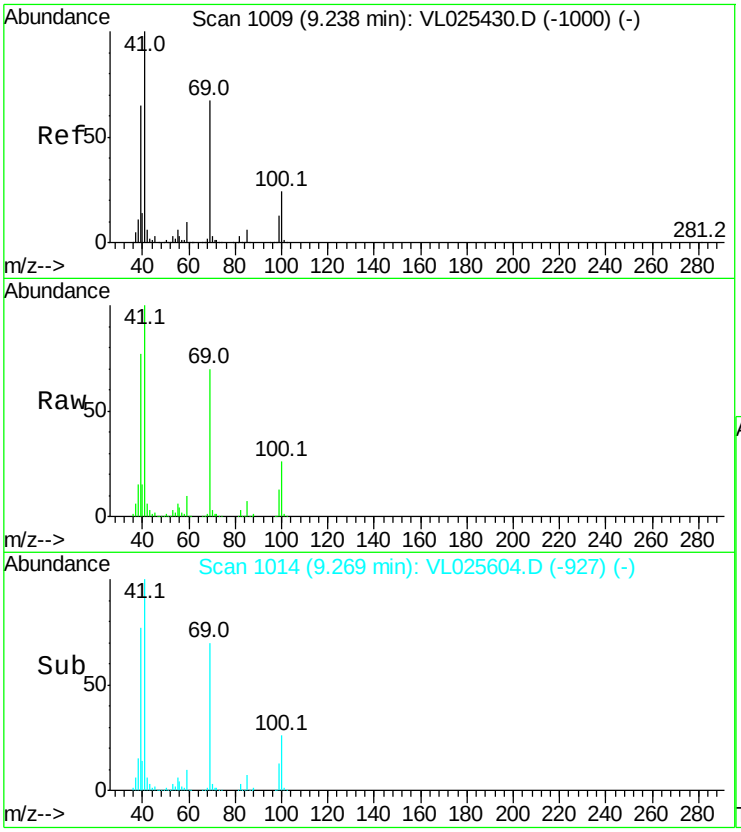


#42
Bromodichloromethane
Concen: 10.81 ppbv
RT: 9.02 min Scan# 974
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 83 Resp: 1758463

Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.8	74.6
127	7.5	6.2	9.4



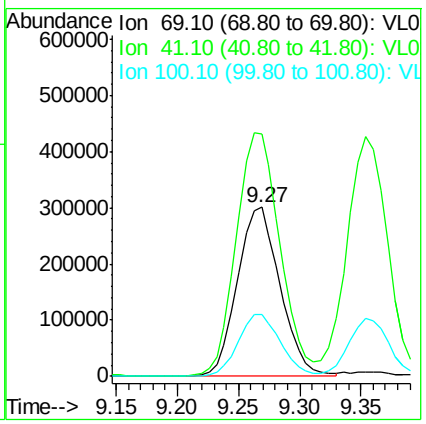


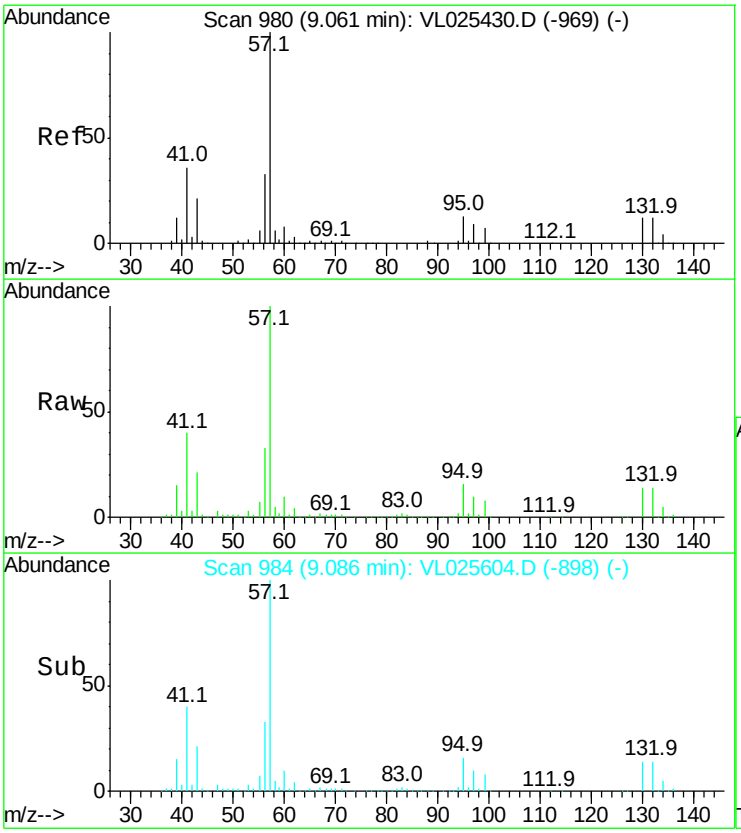
#43
Methyl Methacrylate
Concen: 10.54 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 731256

Ion	Ratio	Lower	Upper
69	100		
41	146.6	117.7	176.5
100	36.3	29.4	44.0

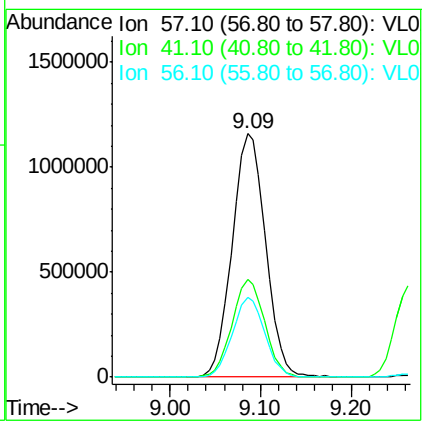


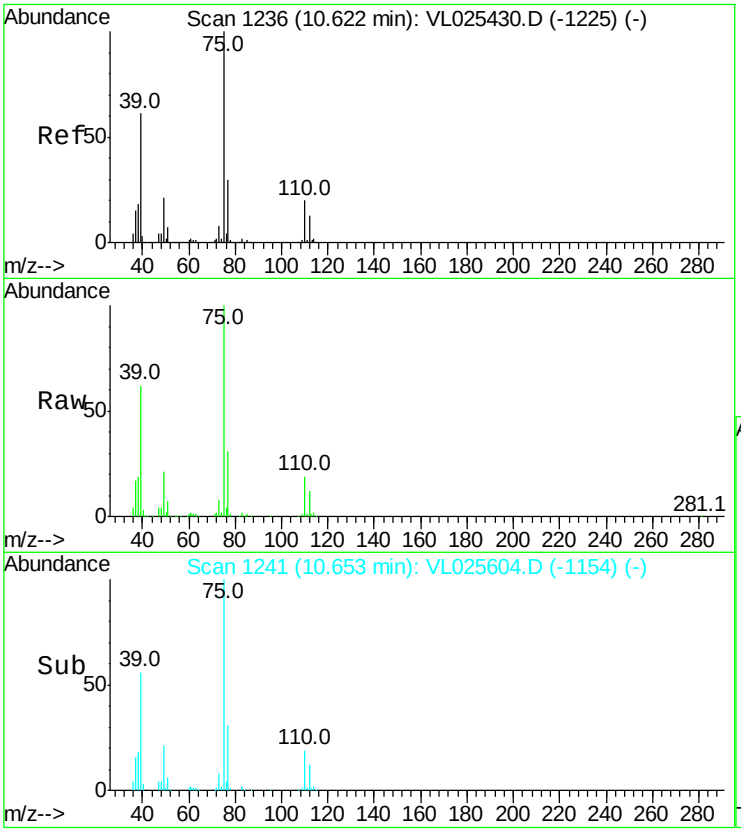


#44
2,2,4-Trimethylpentane
Concen: 9.23 ppbv
RT: 9.09 min Scan# 984
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 57 Resp: 2971392

Ion	Ratio	Lower	Upper
57	100		
41	39.0	28.6	43.0
56	31.8	25.9	38.9



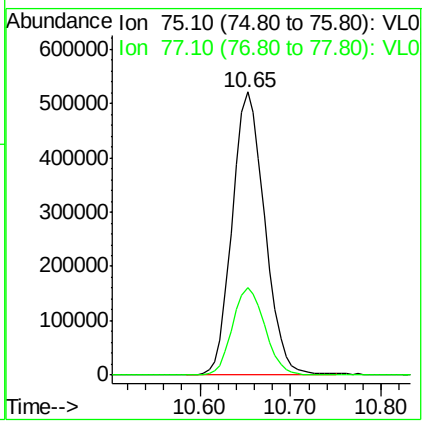


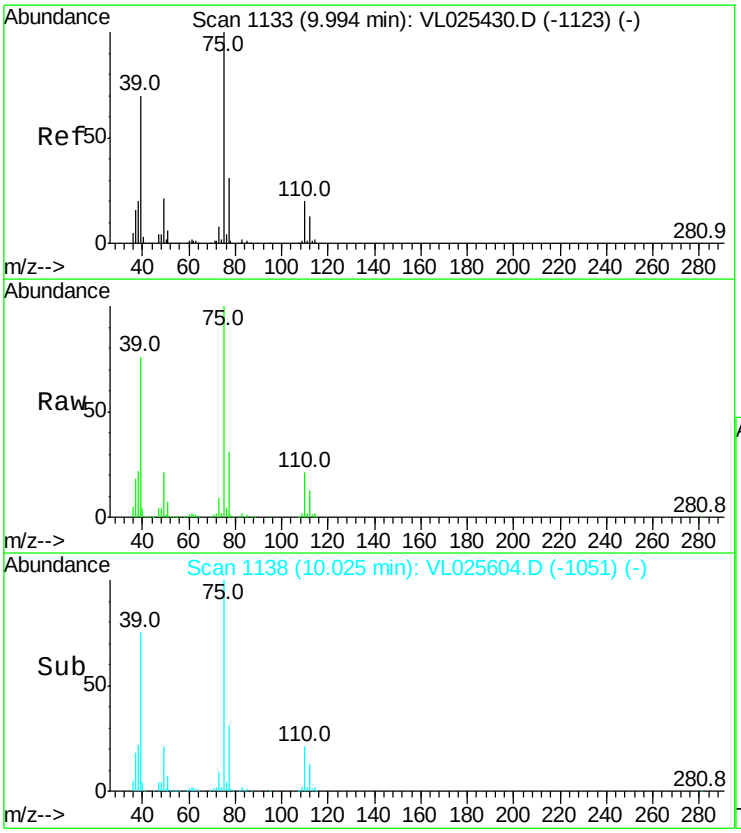
#45
t-1,3-Dichloropropene
Concen: 11.99 ppbv
RT: 10.65 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1301387

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0

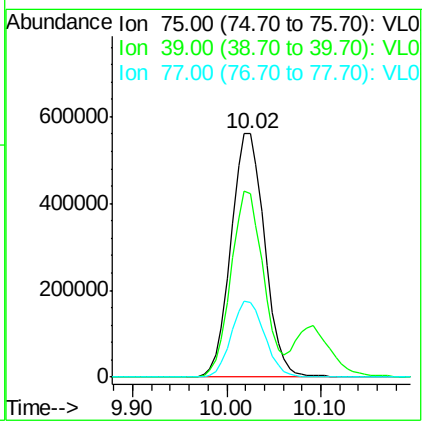


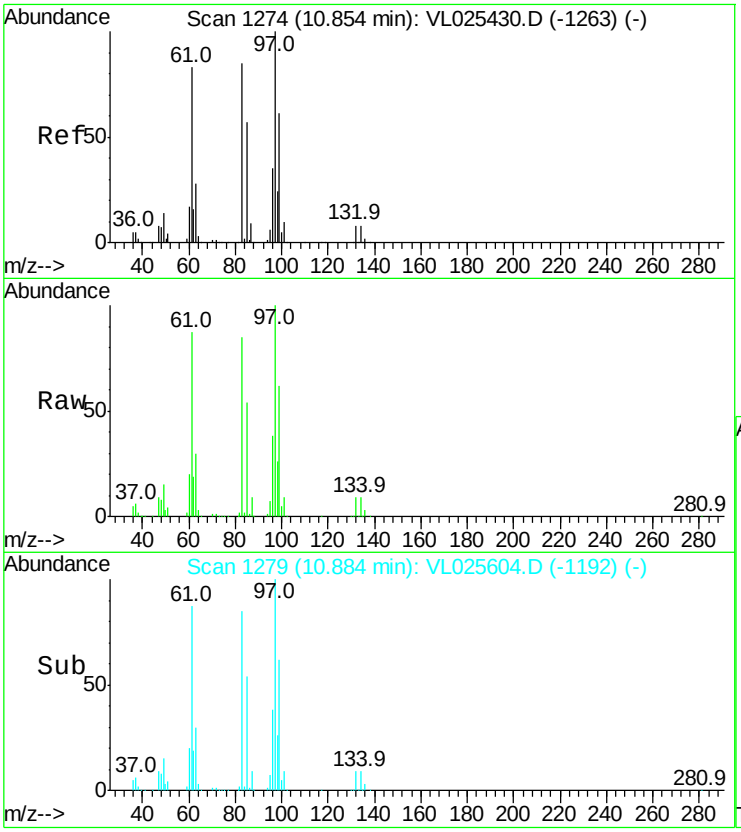


#46
cis-1,3-Dichloropropene
Concen: 11.12 ppbv
RT: 10.02 min Scan# 1138
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 75 Resp: 1401870

Ion	Ratio	Lower	Upper
75	100		
39	75.5	56.0	84.0
77	30.8	25.6	38.4



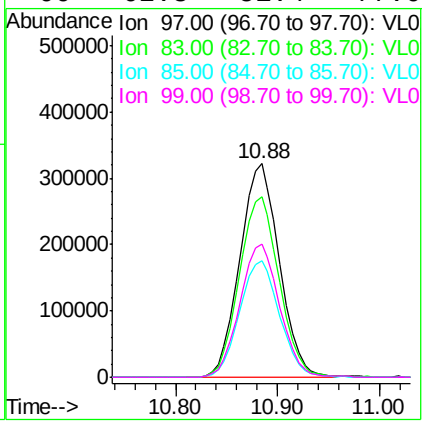


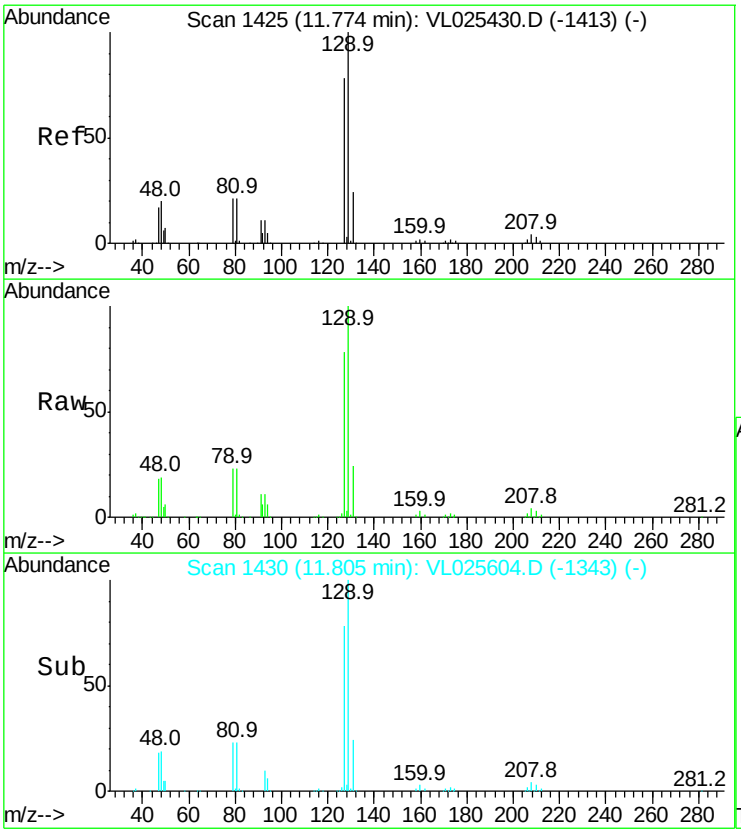
#47
1,1,2-Trichloroethane
Concen: 9.98 ppbv
RT: 10.88 min Scan# 1279
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 866229

Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.0	105.0
85	54.4	45.6	68.4
99	62.3	51.4	77.0

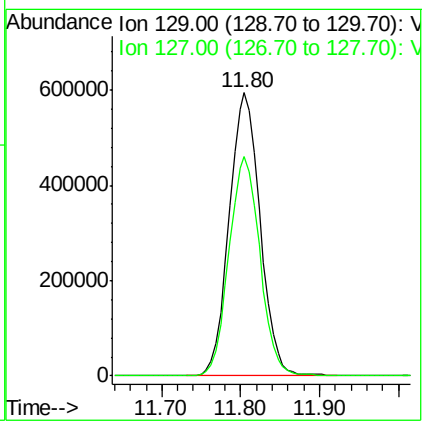


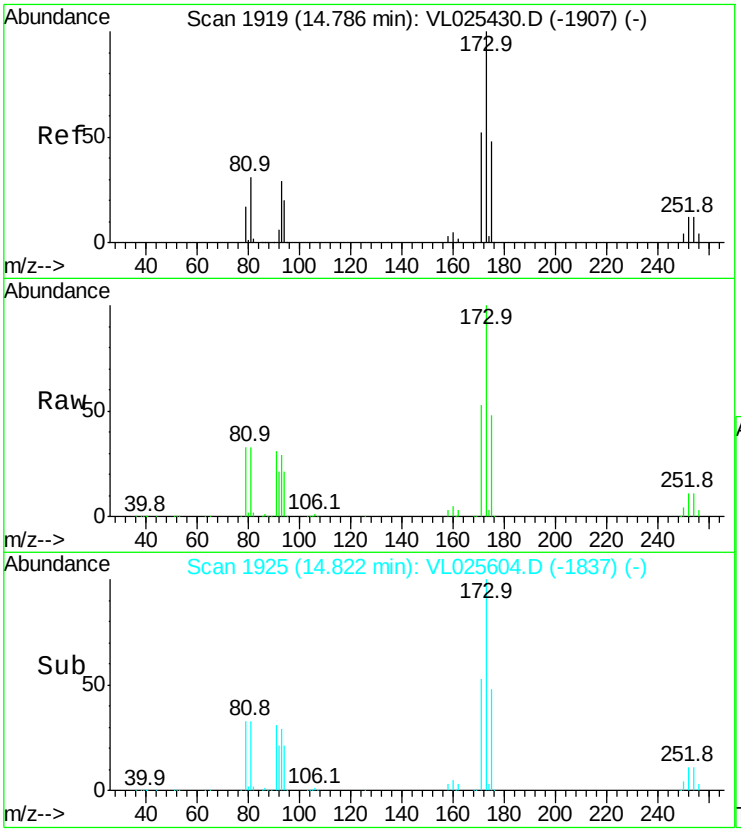


#48
Dibromochloromethane
Concen: 11.62 ppbv
RT: 11.80 min Scan# 1430
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:129 Resp: 1622341

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.6	118.8



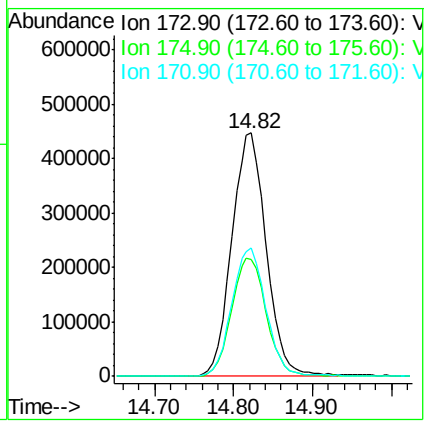


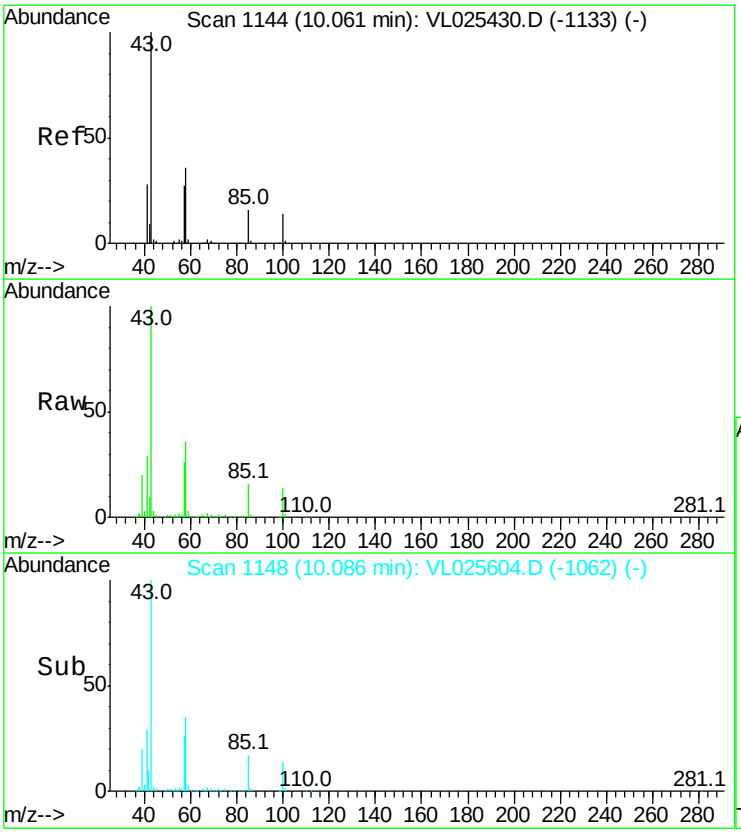
#49
Bromoform
Concen: 12.14 ppbv
RT: 14.82 min Scan# 1925
Delta R.T. 0.04 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:173 Resp: 1356483

Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.9	58.3
171	52.7	41.4	62.2

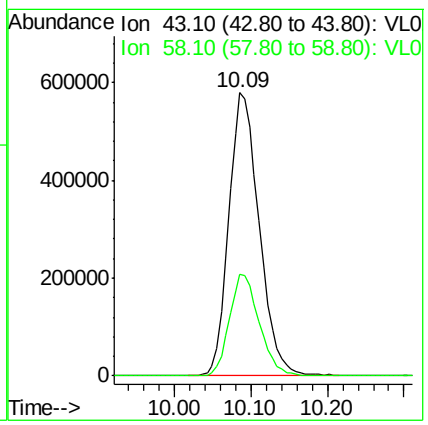


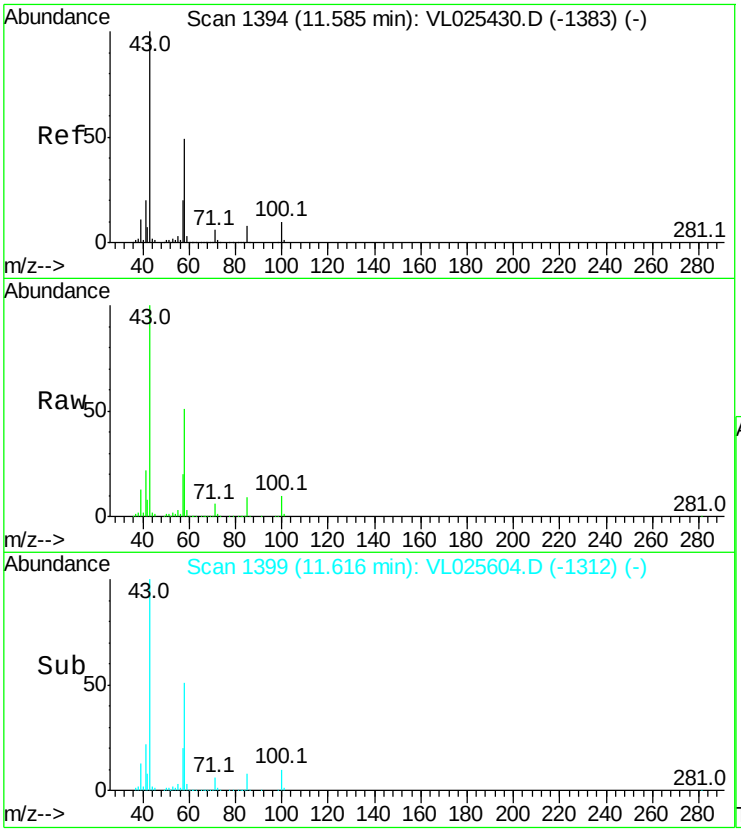


#50
4-Methyl-2-Pentanone
Concen: 10.39 ppbv
RT: 10.09 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 43 Resp: 1584151

Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.1	43.7



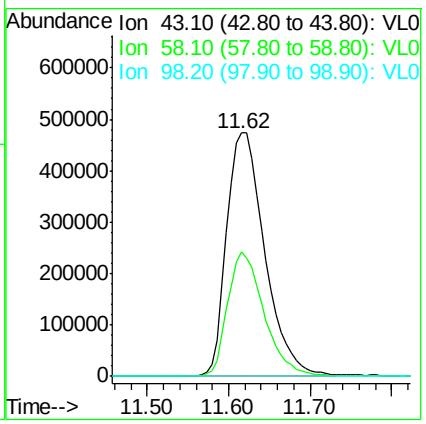


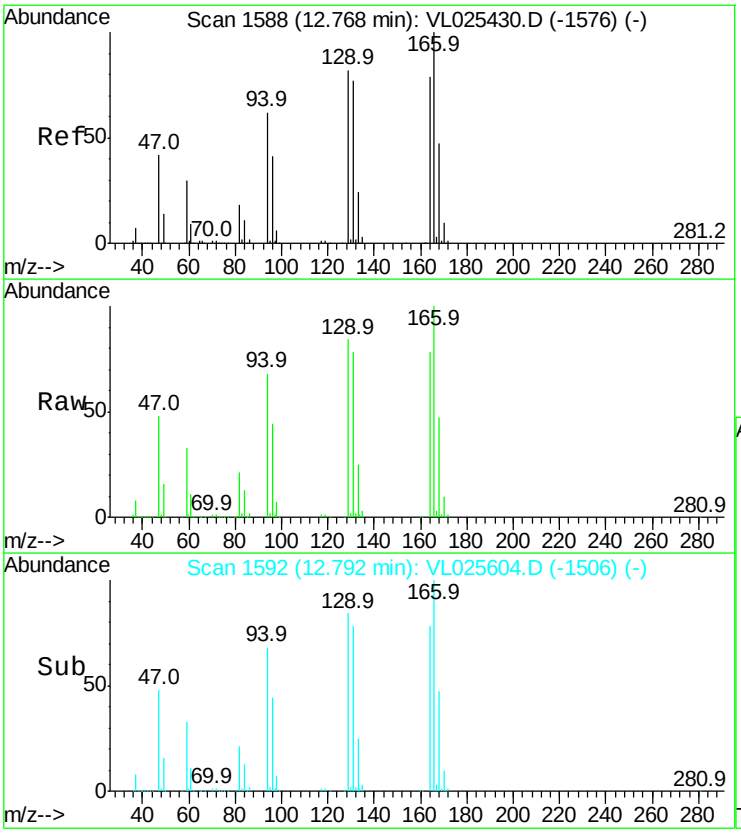
#51
2-Hexanone
Concen: 11.24 ppbv
RT: 11.62 min Scan# 1399
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1533554

Ion	Ratio	Lower	Upper
43	100		
58	48.8	40.4	60.6
98	0.3	0.2	0.2#

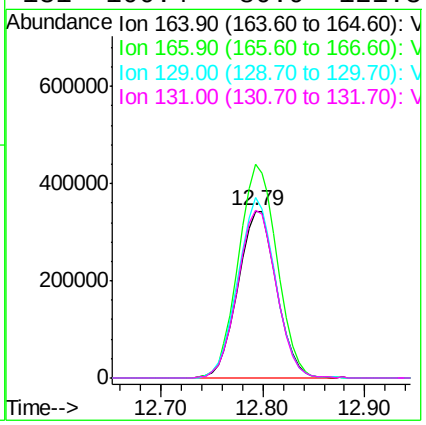


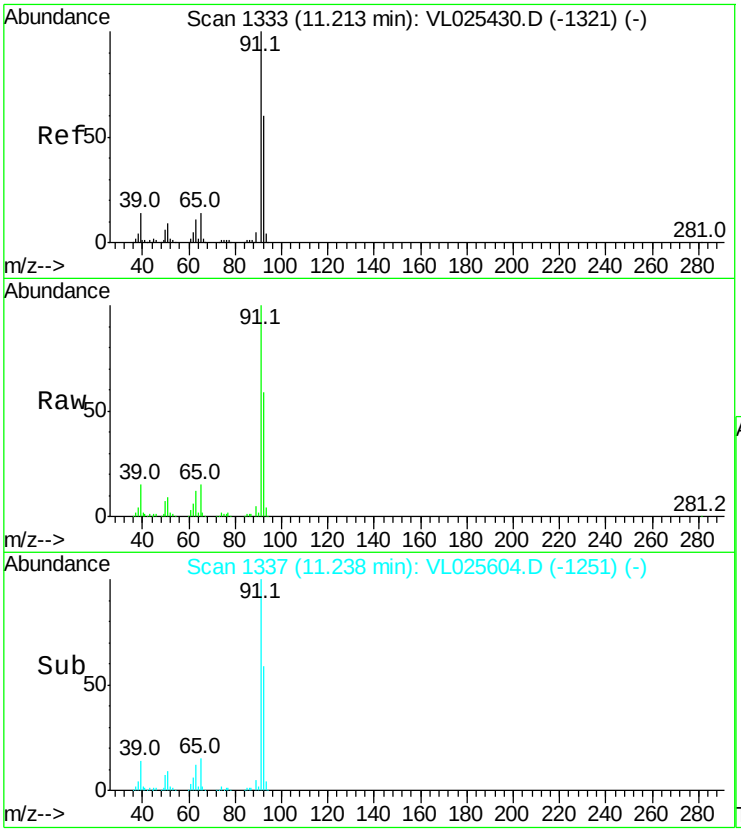


#52
Tetrachloroethene
Concen: 10.55 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:164 Resp: 902348

Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.3	154.9
129	107.8	84.8	127.2
131	100.4	80.9	121.3



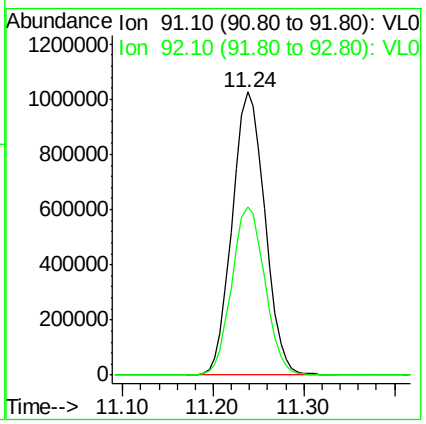


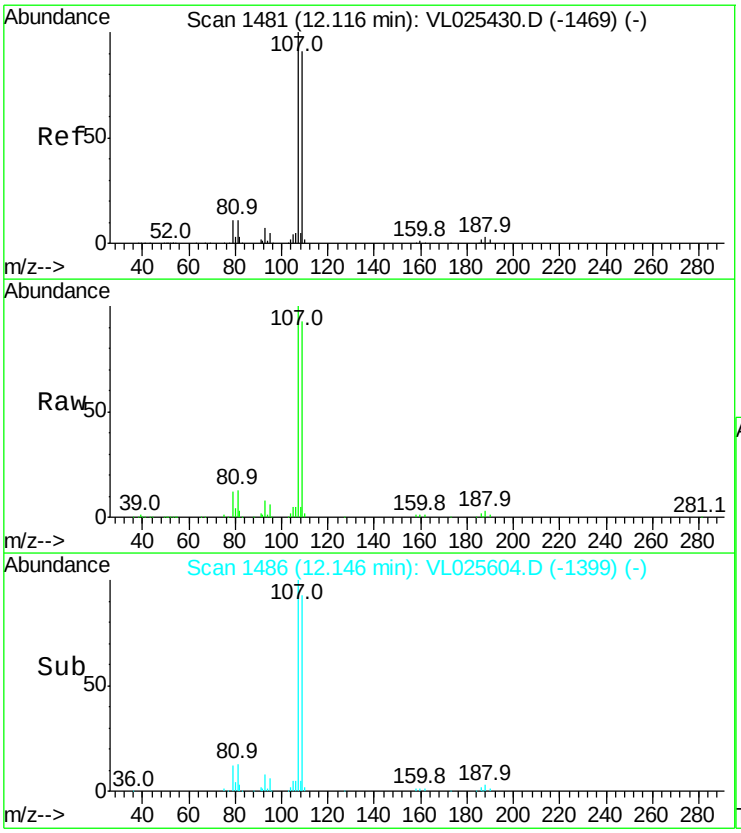
#53
Toluene
Concen: 10.50 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2581496

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.6	73.0

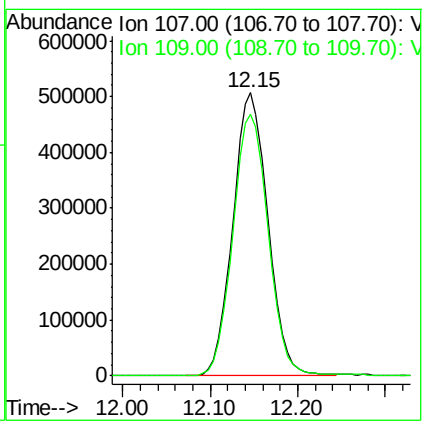


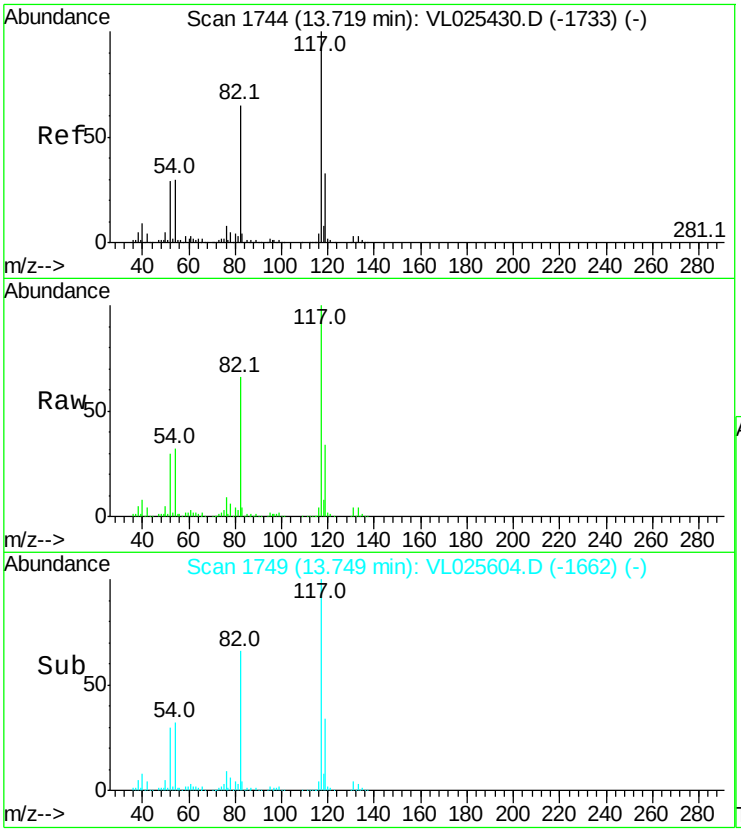


#54
1,2-Dibromoethane
Concen: 10.64 ppbv
RT: 12.15 min Scan# 1486
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:107 Resp: 1413534

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.0	112.4



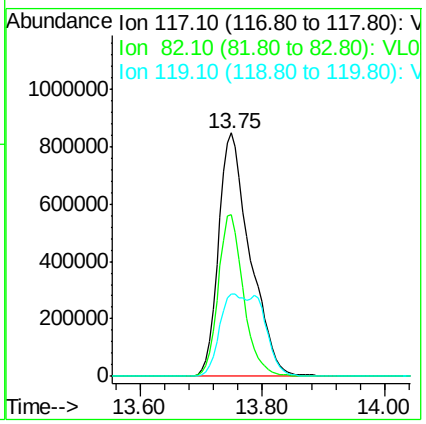


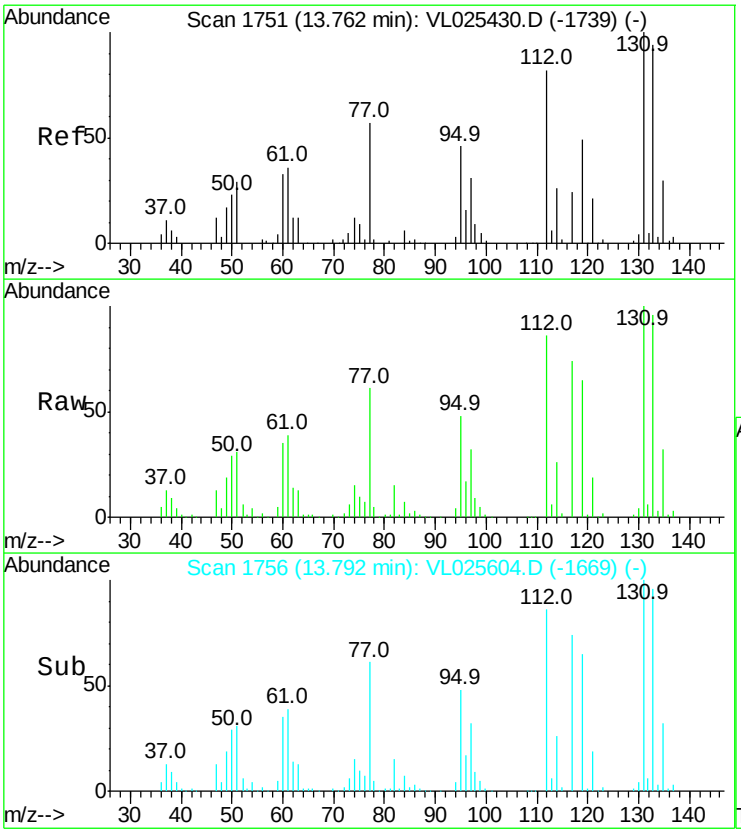
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 3030440

Ion	Ratio	Lower	Upper
117	100		
82	53.8	53.0	79.4
119	48.1	47.0	70.6

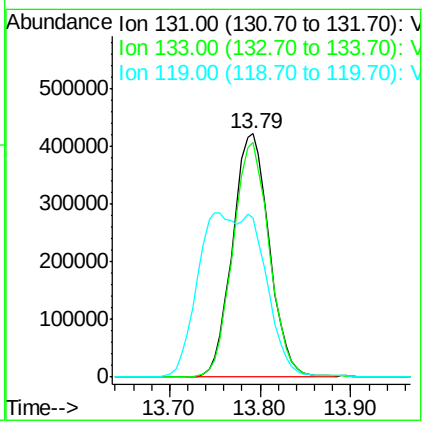


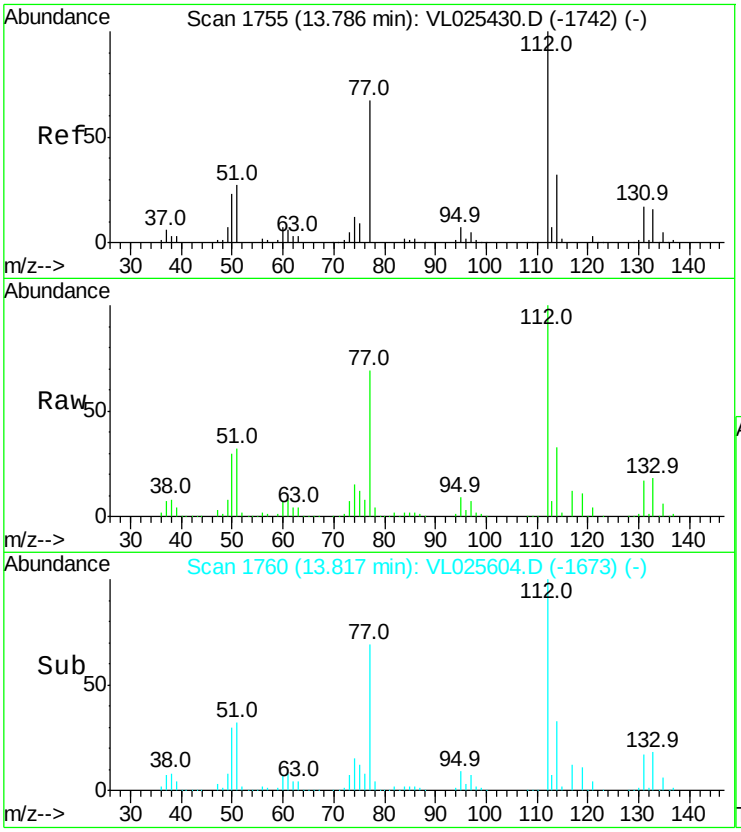


#56
1,1,1,2-Tetrachloroethane
Concen: 8.27 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:131 Resp: 1190424

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.2	114.2
119	122.3	101.5	152.3



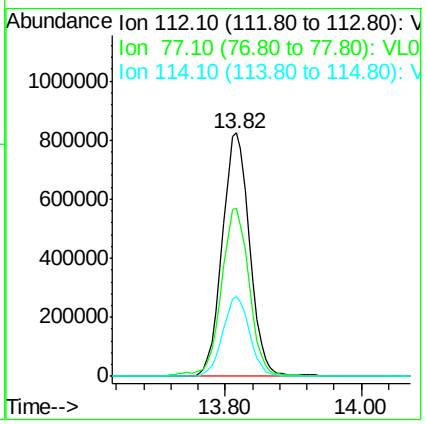


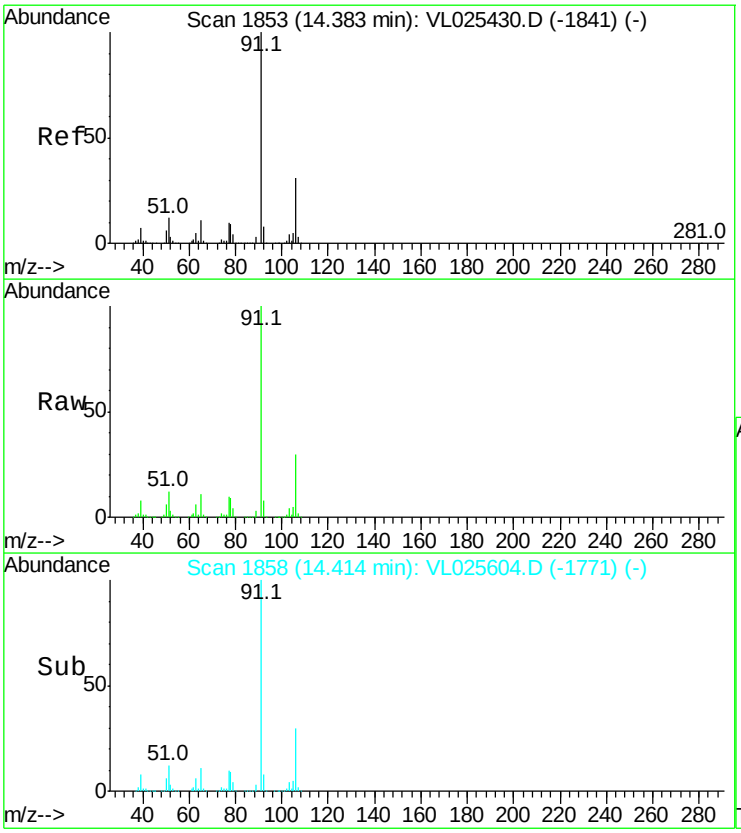
#57
Chlorobenzene
Concen: 7.76 ppbv
RT: 13.82 min Scan# 1760
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 2303588

Ion	Ratio	Lower	Upper
112	100		
77	69.0	55.4	83.2
114	32.7	29.6	36.2

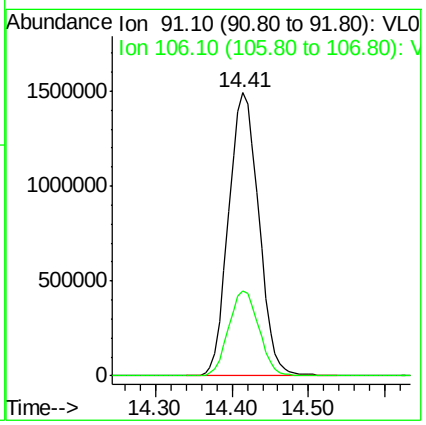


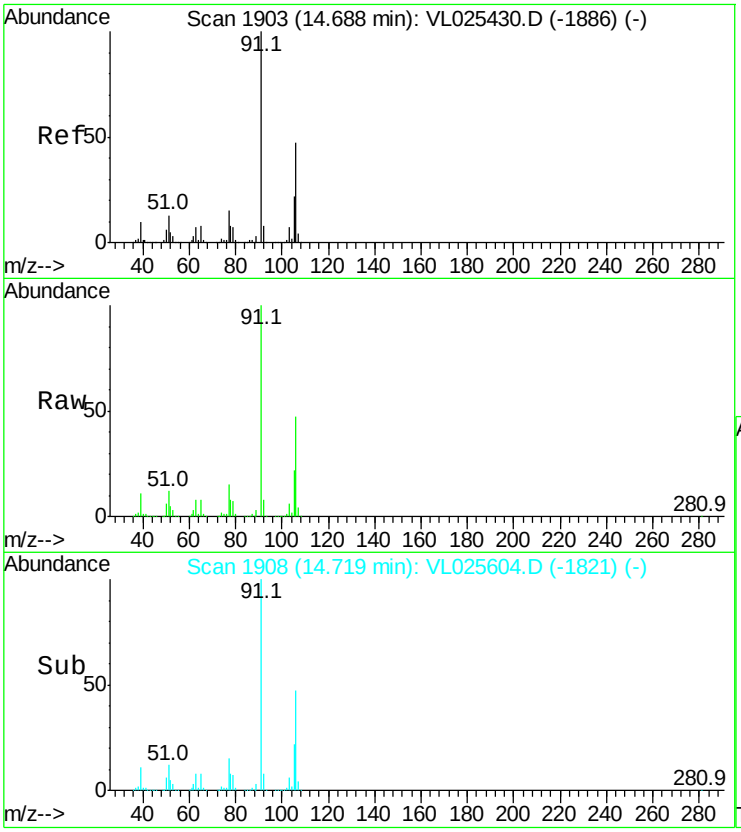


#58
Ethyl Benzene
Concen: 8.46 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 91 Resp: 4080838

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.1	37.7



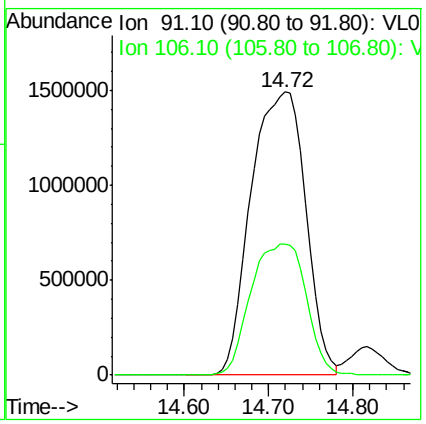


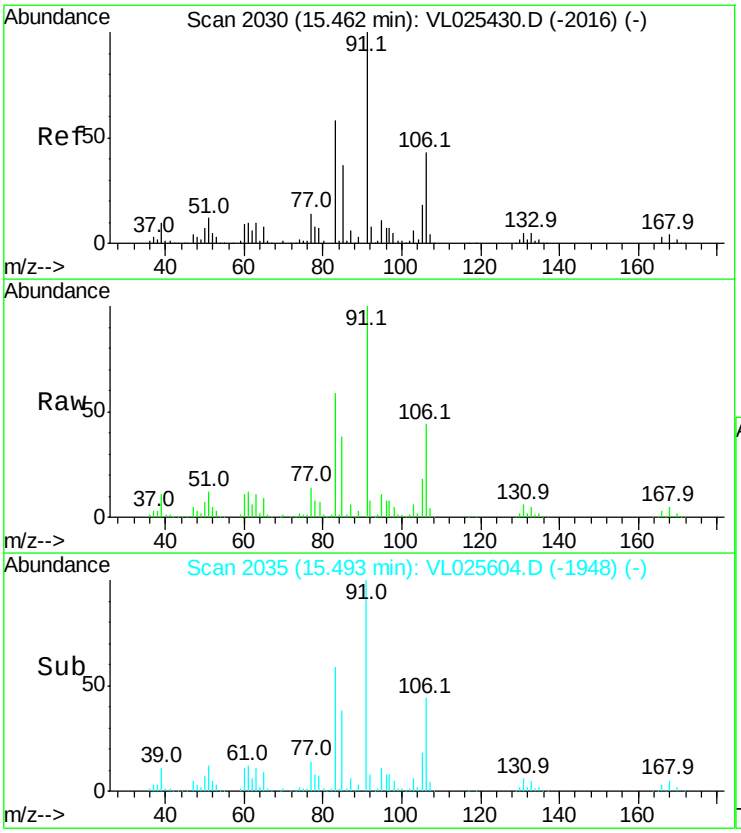
#59
m/p-Xylene
Concen: 16.45 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 6632941

Ion	Ratio	Lower	Upper
91	100		
106	47.4	38.6	58.0

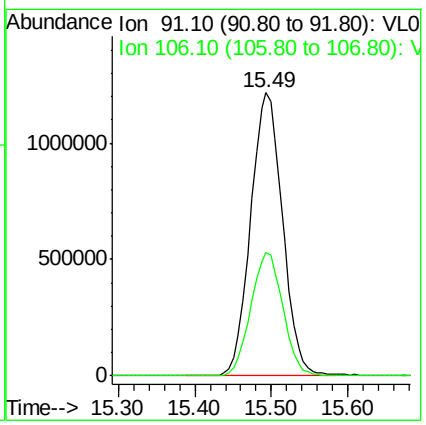


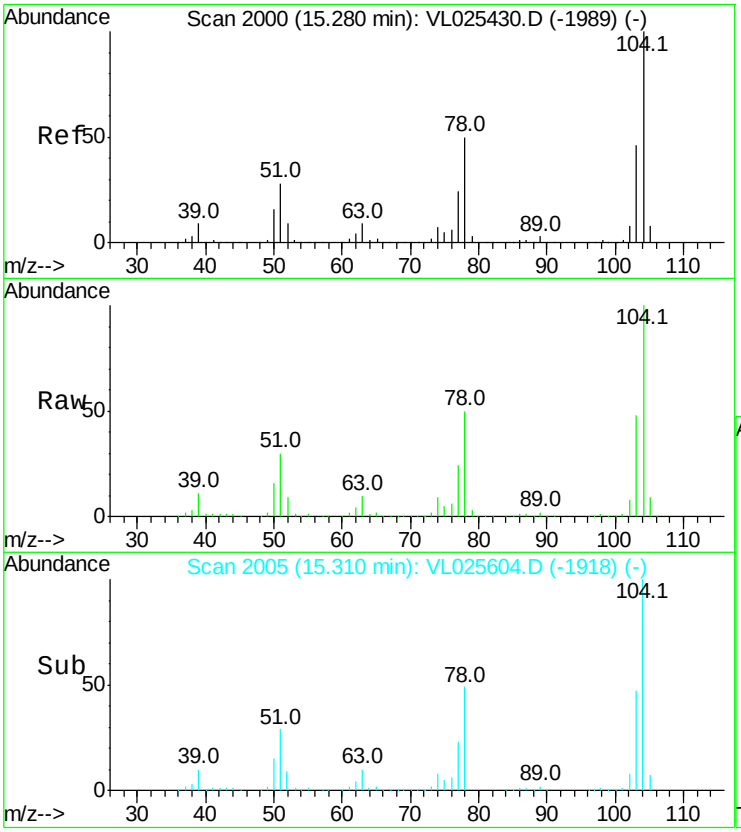


#60
o-Xylene
Concen: 8.24 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 91 Resp: 3530013

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.3	66.9



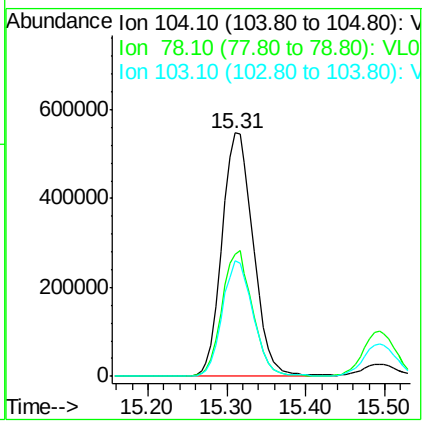


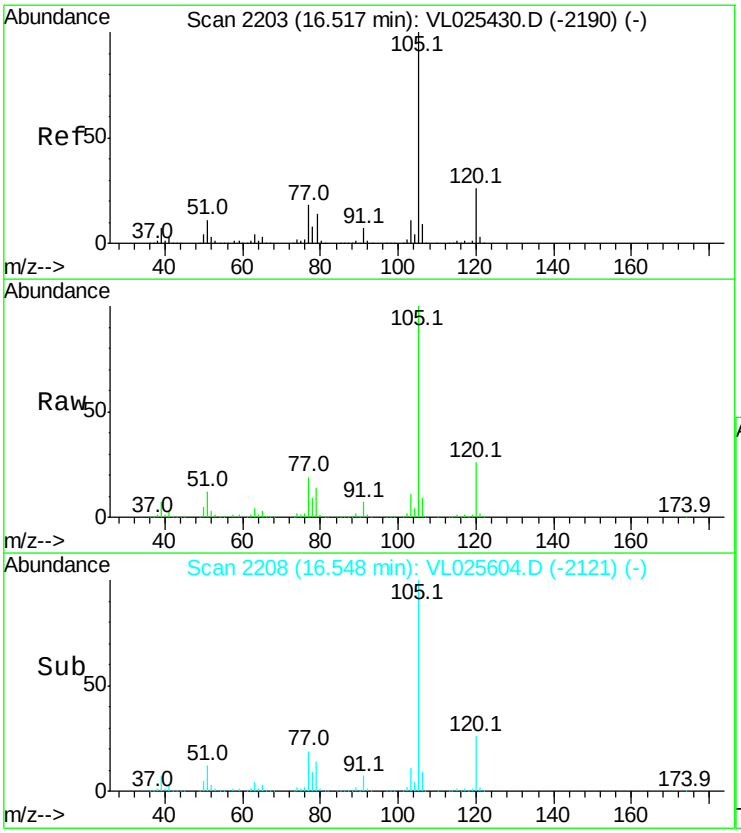
#61
Styrene
Concen: 9.28 ppbv
RT: 15.31 min Scan# 2005
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 1515839

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.8	59.6
103	46.8	37.6	56.4

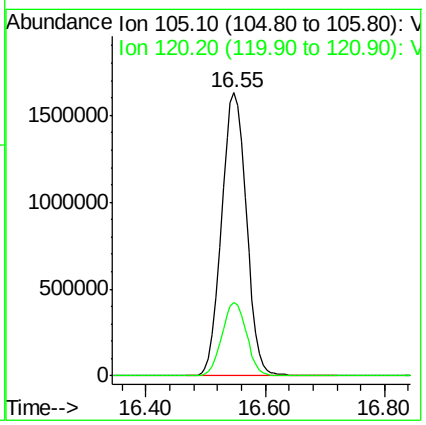


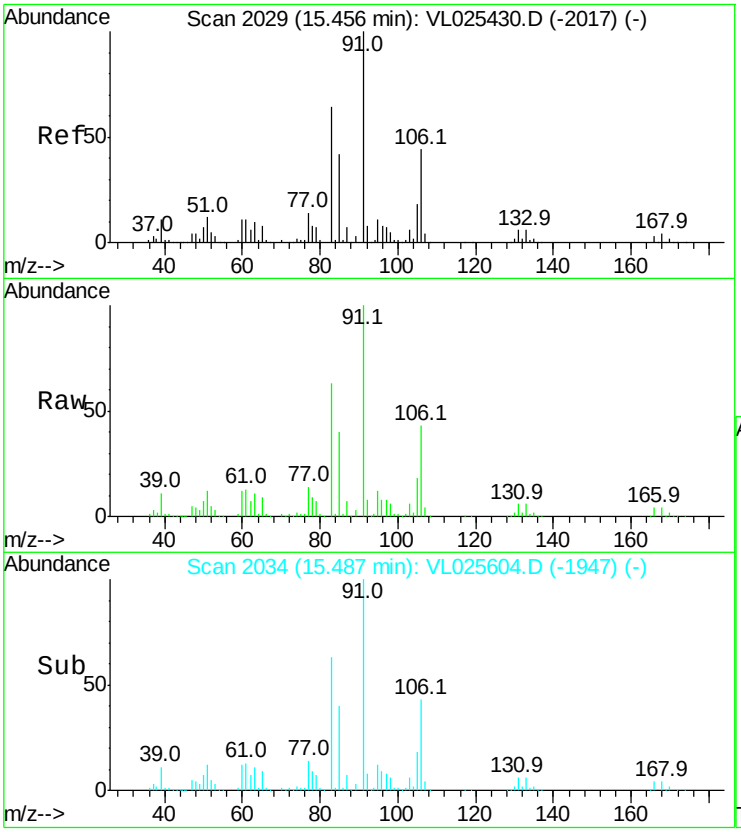


#62
Isopropylbenzene
Concen: 8.38 ppbv
RT: 16.55 min Scan# 2208
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:105 Resp: 4725972

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.9	31.3



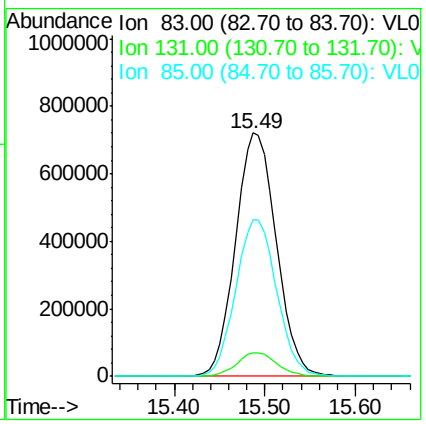


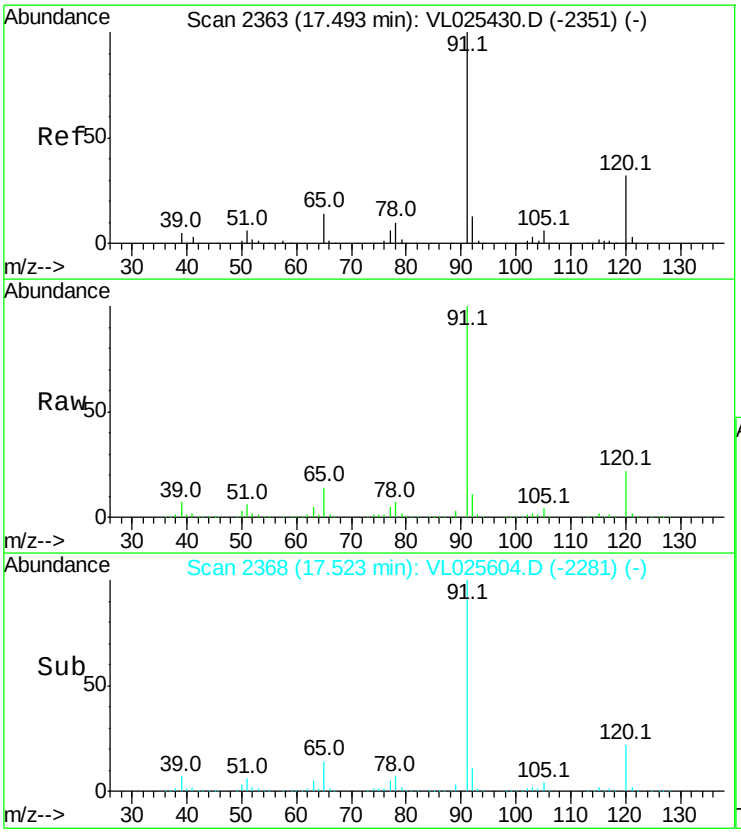
#63
1,1,2,2-Tetrachloroethane
Concen: 7.40 ppbv
RT: 15.49 min Scan# 2034
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 83 Resp: 2245738

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.1
85	64.8	32.5	97.5

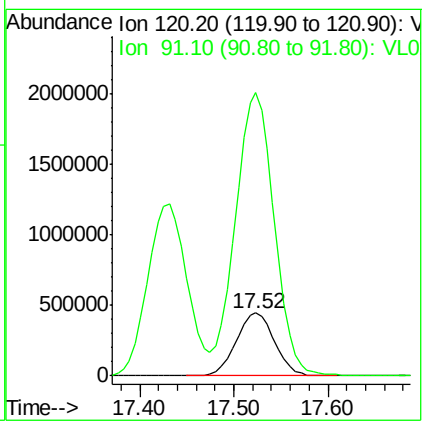


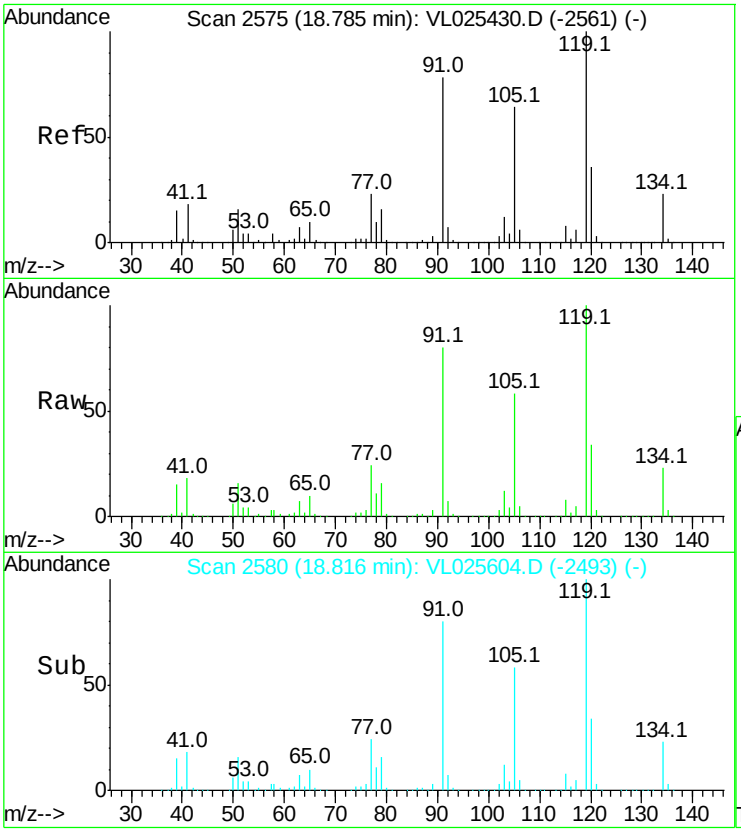


#64
n-propylbenzene
Concen: 8.44 ppbv
RT: 17.52 min Scan# 2368
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:120 Resp: 1261699

Ion	Ratio	Lower	Upper
120	100		
91	463.1	355.4	533.0



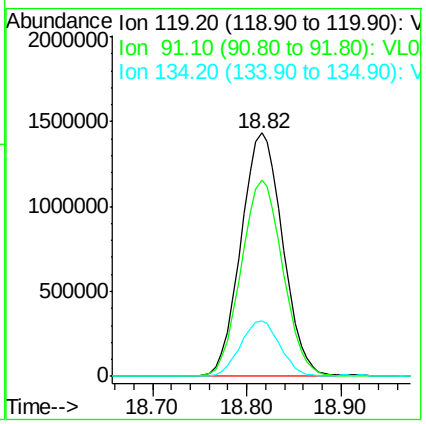


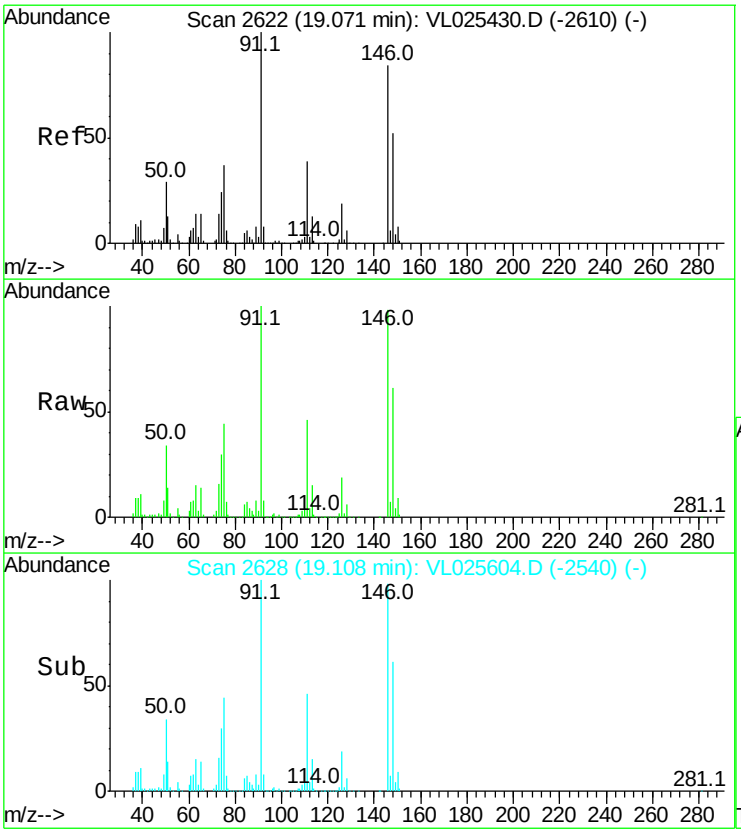
#65
tert-Butylbenzene
Concen: 8.48 ppbv
RT: 18.82 min Scan# 2580
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 4450473

Ion	Ratio	Lower	Upper
119	100		
91	80.6	64.2	96.2
134	21.7	17.4	26.0

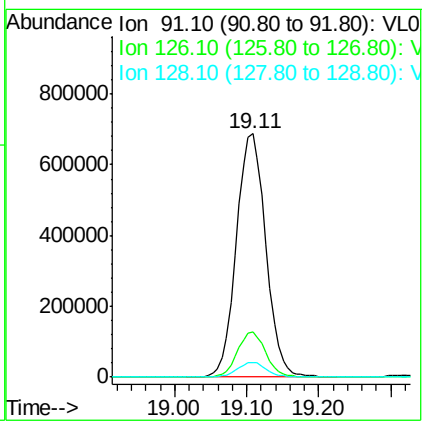


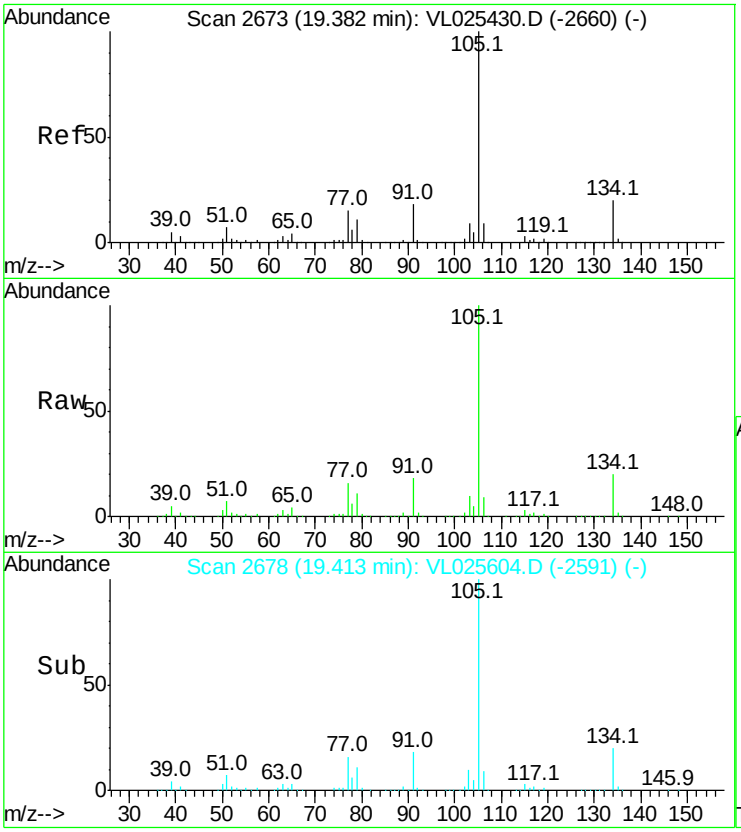


#66
Benzyl Chloride
Concen: 10.87 ppbv
RT: 19.11 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 91 Resp: 1951032

Ion	Ratio	Lower	Upper
91	100		
126	18.1	14.4	21.6
128	5.8	4.6	6.8



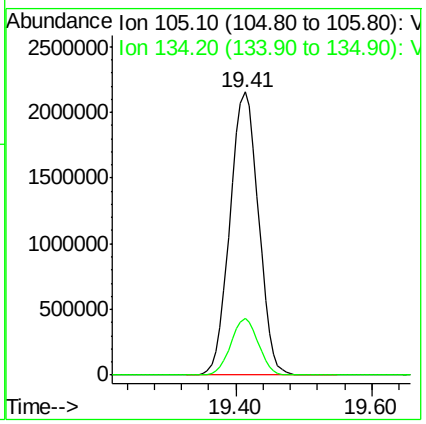


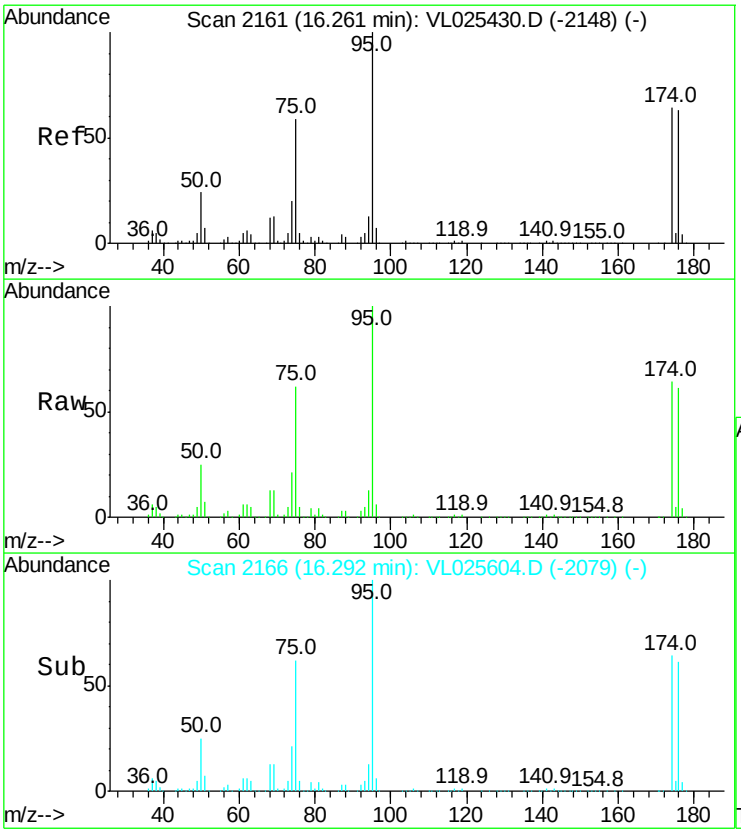
#67
sec-Butylbenzene
Concen: 8.52 ppbv
RT: 19.41 min Scan# 2678
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 6289270

Ion	Ratio	Lower	Upper
105	100		
134	19.3	16.0	24.0

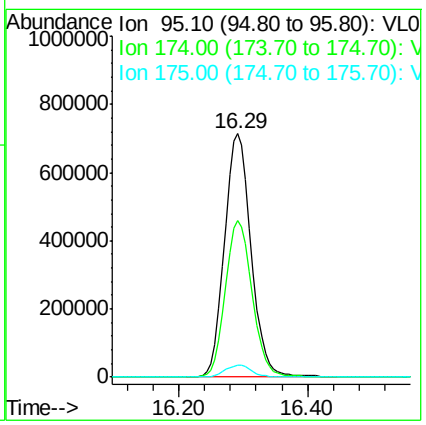


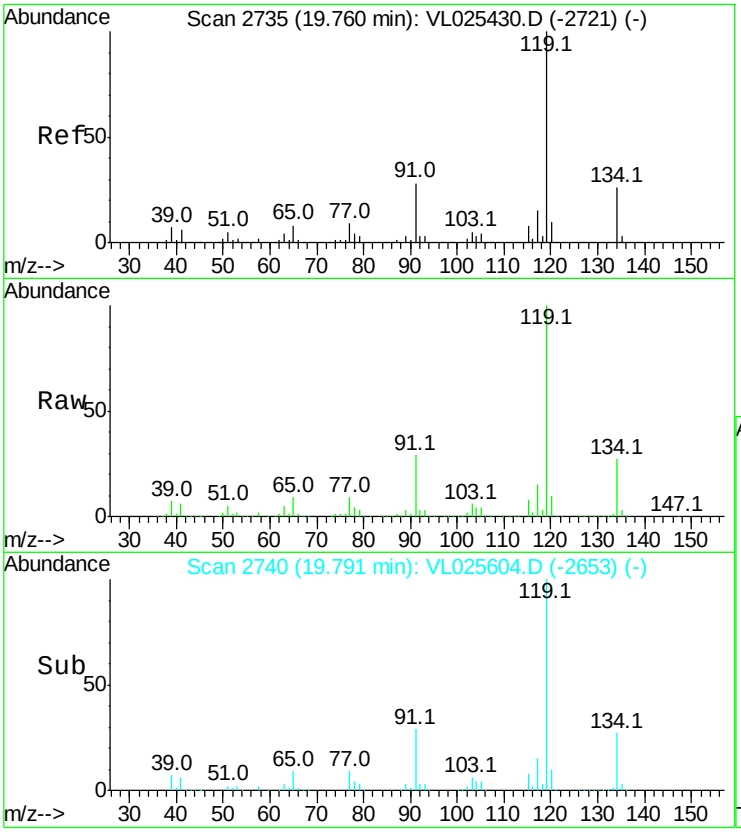


#68
1-Bromo-4-Fluorobenzene
Concen: 8.29 ppbv
RT: 16.29 min Scan# 2166
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 95 Resp: 2076293

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.6	79.0
175	4.9	4.0	6.0



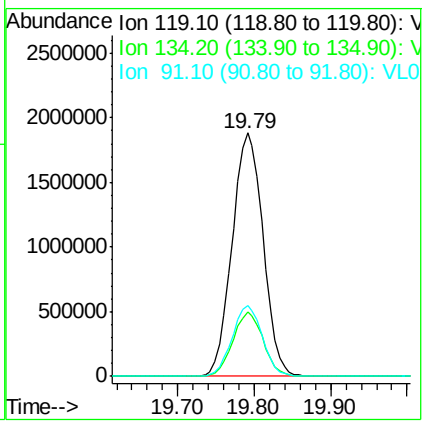


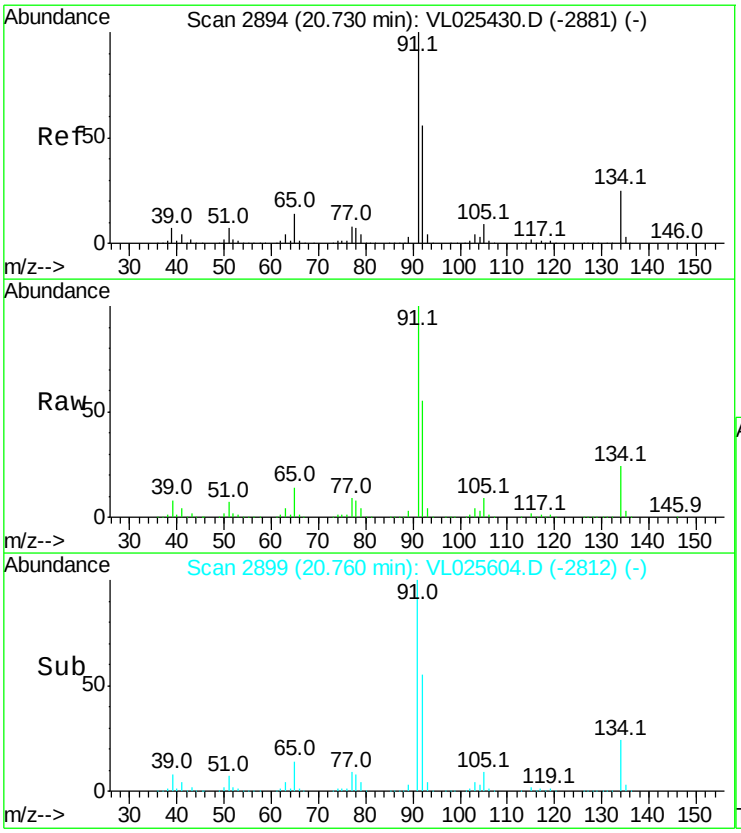
#69
p-Isopropyltoluene
Concen: 8.78 ppbv
RT: 19.79 min Scan# 2740
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:119 Resp: 5269633

Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.2	31.8
91	28.3	22.8	34.2

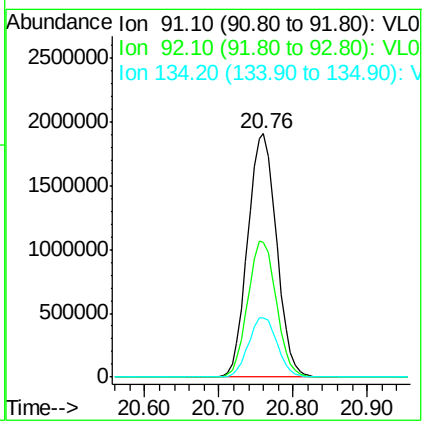


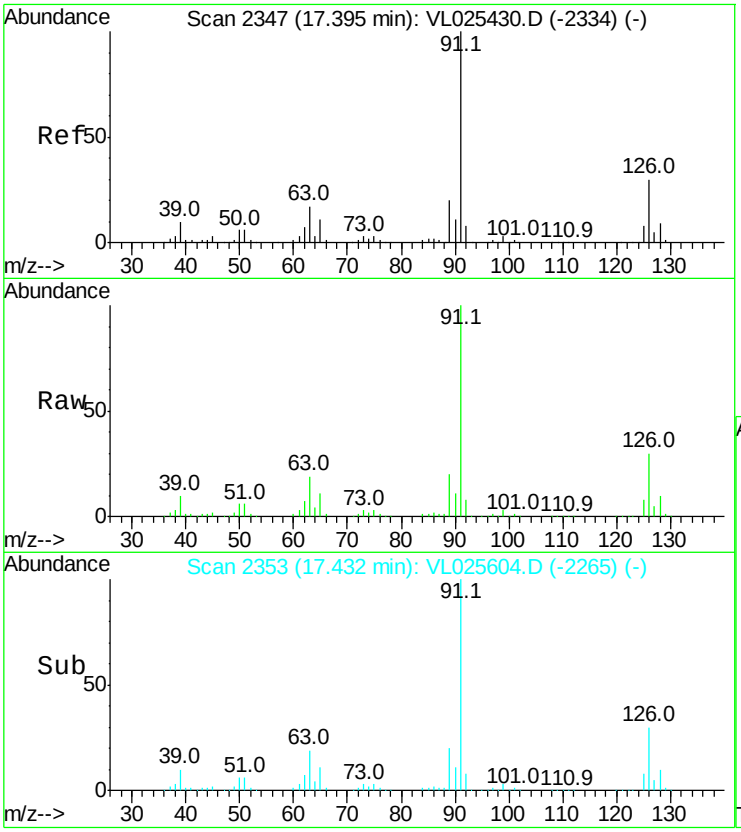


#70
n-Butylbenzene
Concen: 8.91 ppbv
RT: 20.76 min Scan# 2899
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion: 91 Resp: 5205666

Ion	Ratio	Lower	Upper
91	100		
92	55.4	45.3	67.9
134	24.3	19.9	29.9



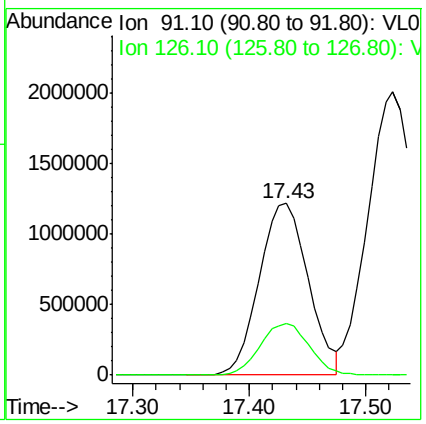


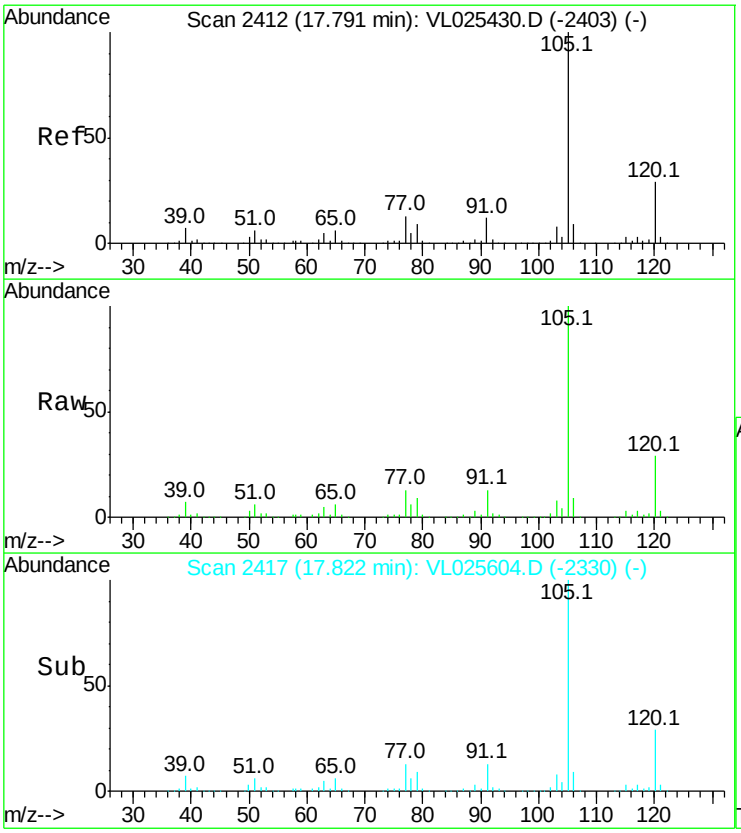
#71
2-Chlorotoluene
Concen: 8.45 ppbv
RT: 17.43 min Scan# 2353
Delta R.T. 0.04 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3549459

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.3	49.3

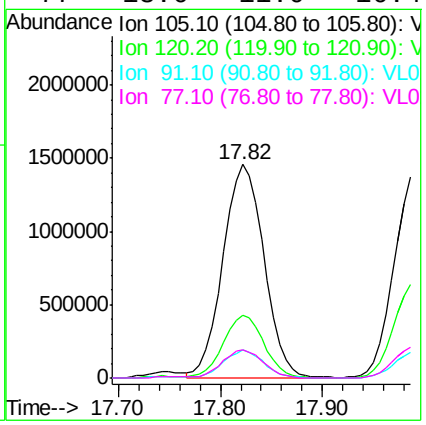


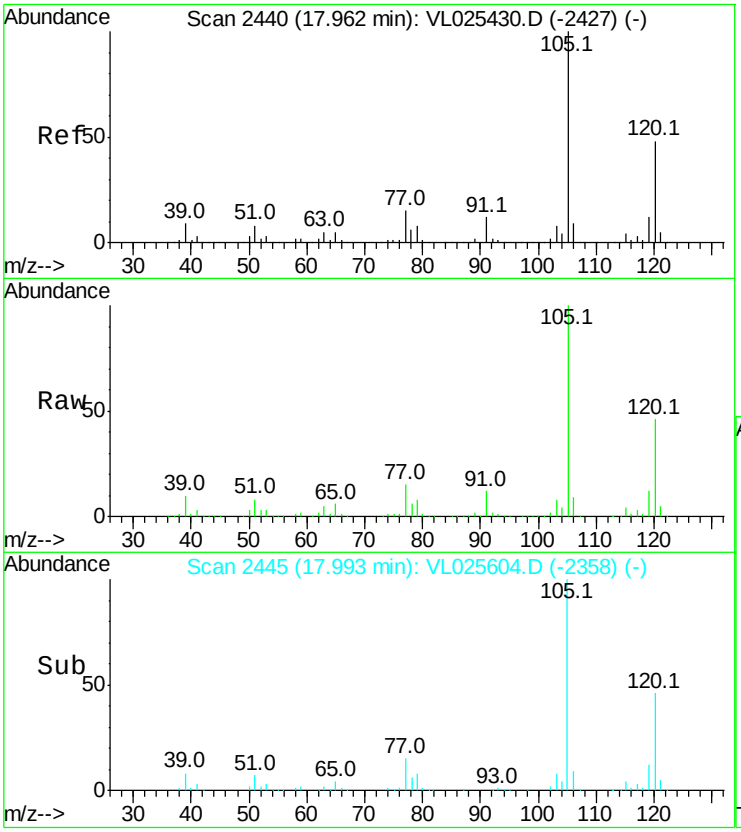


#72
4-Ethyltoluene
Concen: 8.71 ppbv
RT: 17.82 min Scan# 2417
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:105 Resp: 4081923

Ion	Ratio	Lower	Upper
105	100		
120	29.9	24.1	36.1
91	12.9	10.5	15.7
77	13.6	11.0	16.4



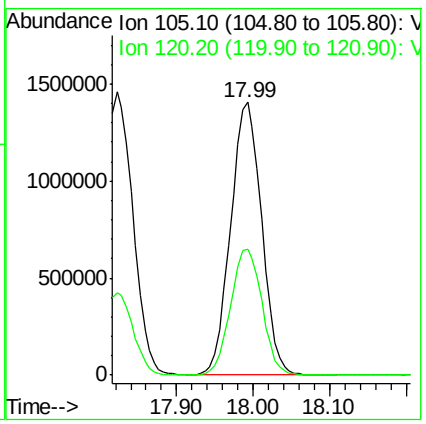


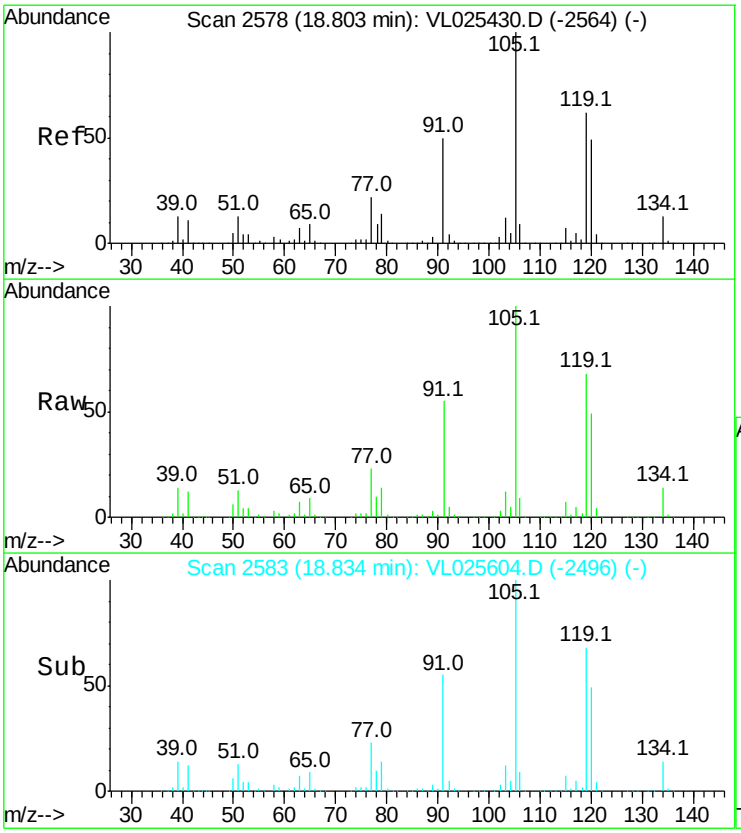
#73
1,3,5-Trimethylbenzene
Concen: 8.71 ppbv
RT: 17.99 min Scan# 2445
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 3932238

Ion	Ratio	Lower	Upper
105	100		
120	46.2	39.0	58.4

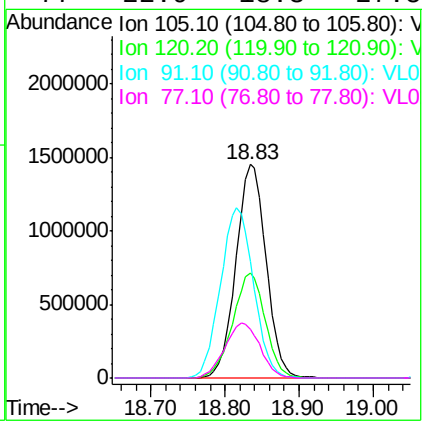


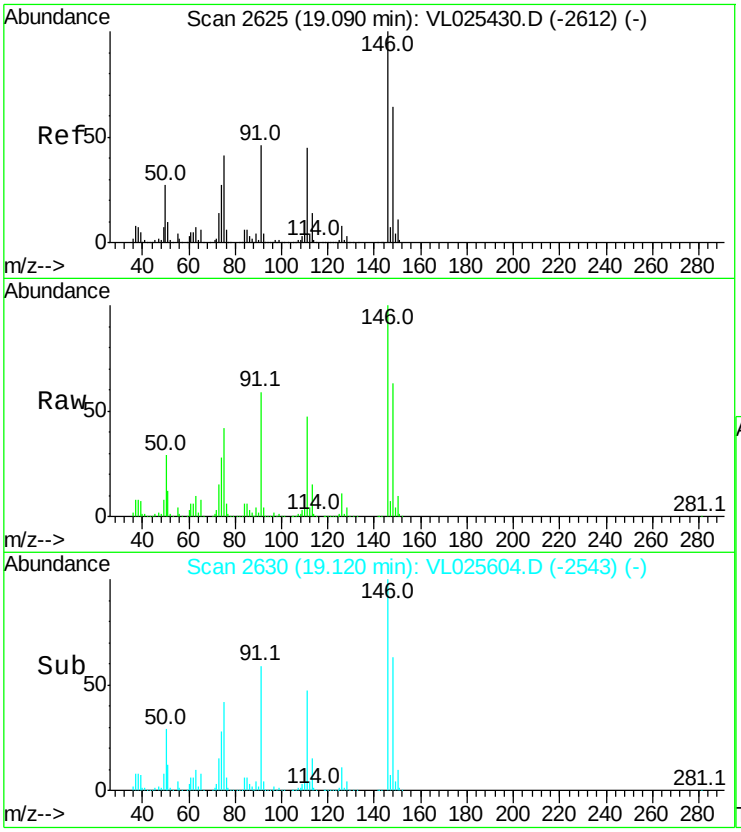


#74
1,2,4-Trimethylbenzene
Concen: 8.47 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:105 Resp: 4120028

Ion	Ratio	Lower	Upper
105	100		
120	49.1	39.8	59.8
91	54.7	41.9	62.9
77	22.9	18.3	27.5



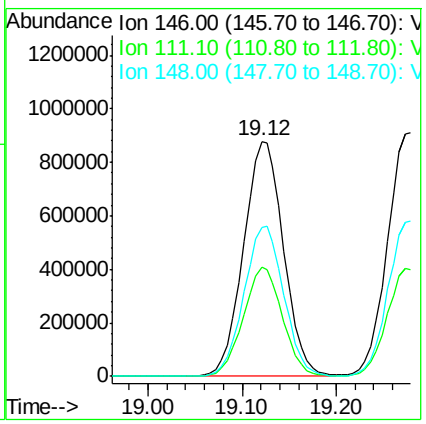


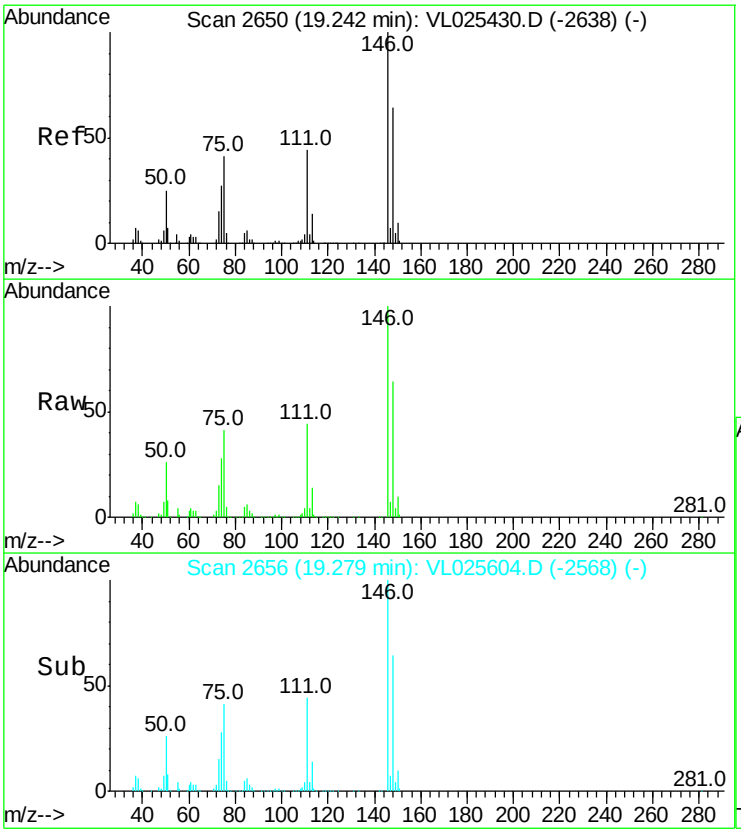
#75
1,3-Dichlorobenzene
Concen: 8.43 ppbv
RT: 19.12 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2612100

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.6	67.8
148	63.5	31.9	95.5

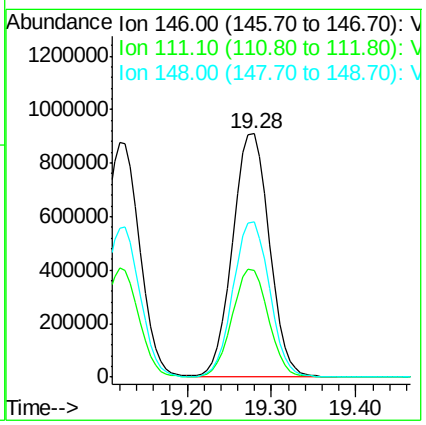


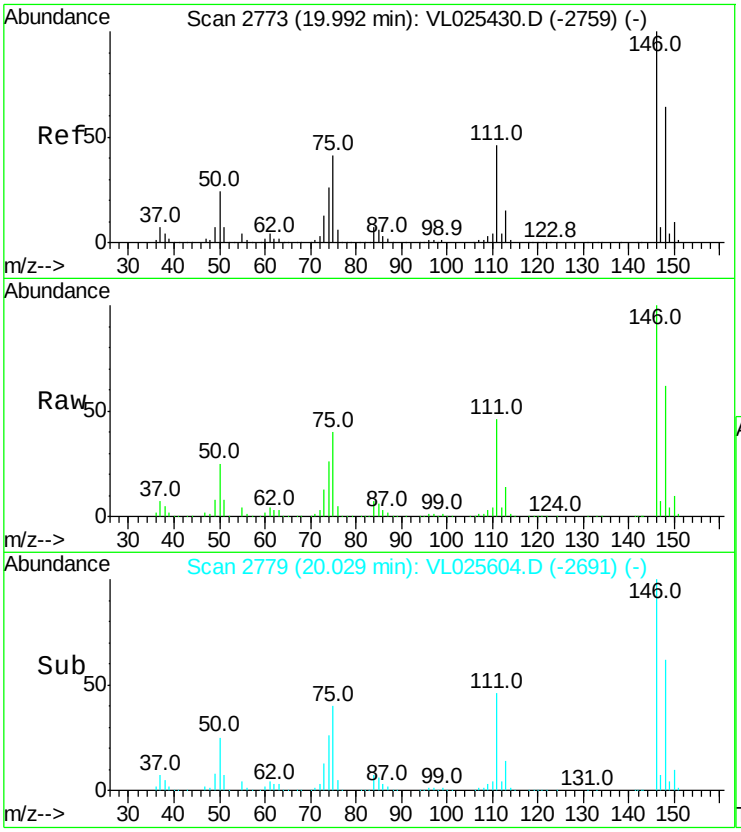


#76
1,4-Dichlorobenzene
Concen: 8.65 ppbv
RT: 19.28 min Scan# 2656
Delta R.T. 0.04 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:146 Resp: 2685671

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.4
148	63.9	31.8	95.3



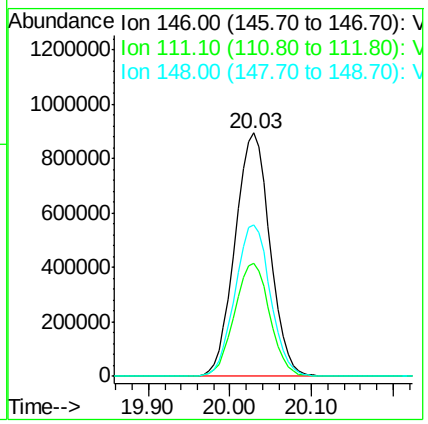


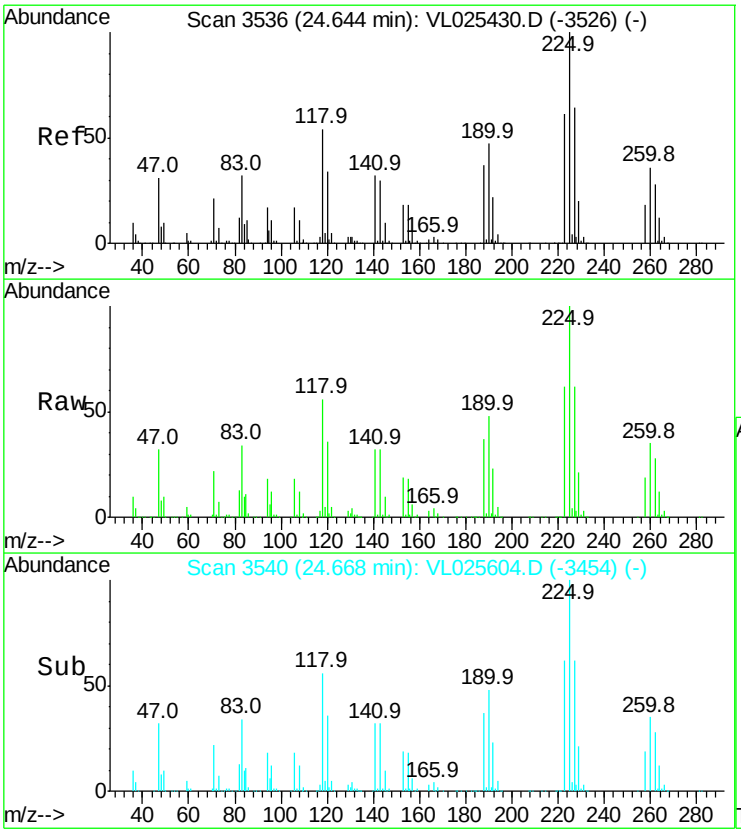
#77
1,2-Dichlorobenzene
Concen: 8.63 ppbv
RT: 20.03 min Scan# 2779
Delta R.T. 0.04 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2657048

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.0
148	63.2	31.9	95.9

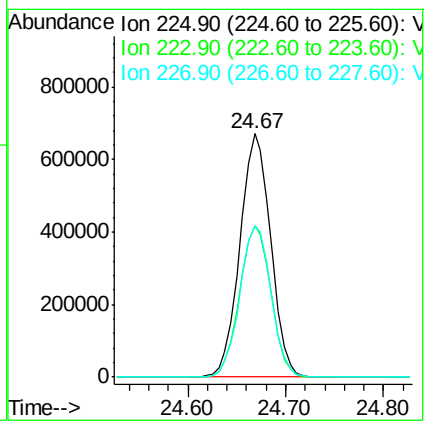


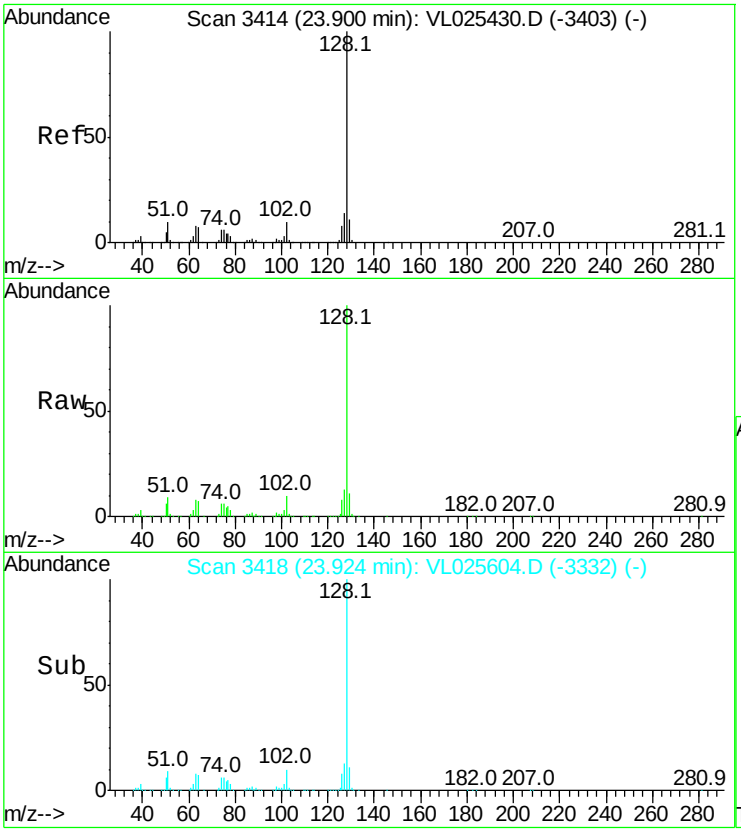


#78
Hexachloro-1,3-Butadiene
Concen: 9.25 ppbv
RT: 24.67 min Scan# 3540
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:225 Resp: 1461221

Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.0	76.4
227	63.1	51.7	77.5



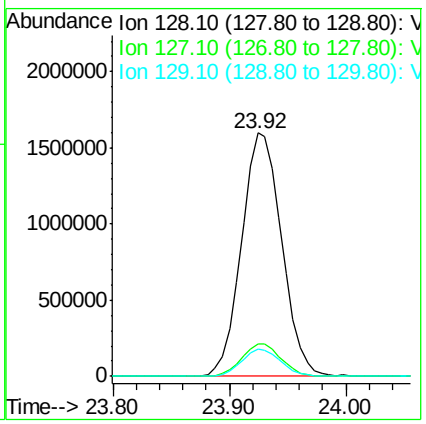


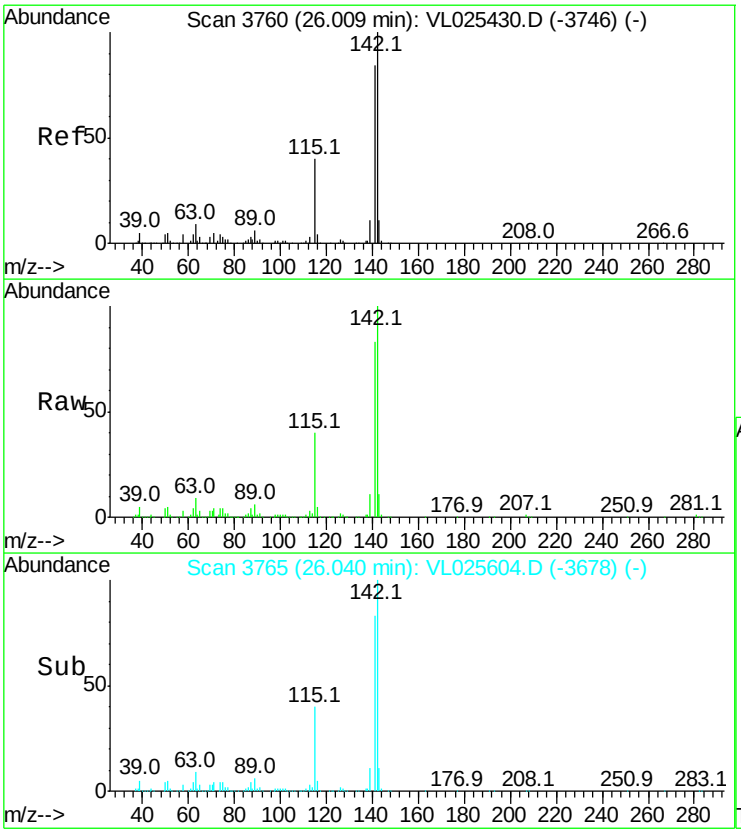
#79
Naphthalene
Concen: 9.63 ppbv
RT: 23.92 min Scan# 3418
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 3836910

Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.4
129	11.2	9.0	13.4

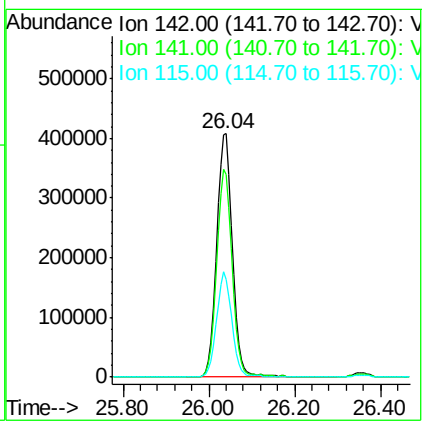


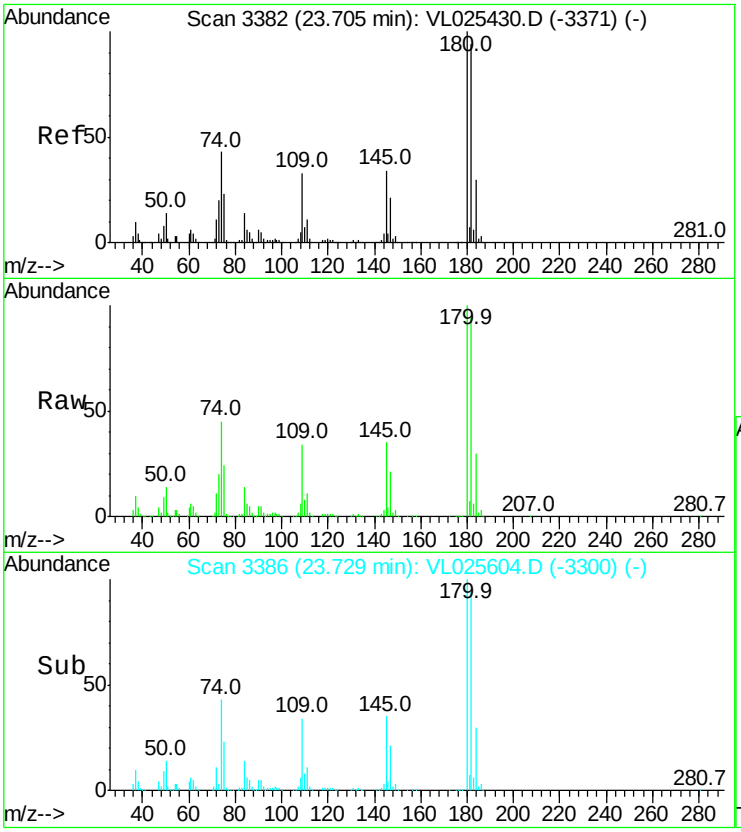


#80
Naphthalene,2-methyl-
Concen: 10.43 ppbv
RT: 26.04 min Scan# 3765
Delta R.T. 0.03 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Tgt Ion:142 Resp: 1066120

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.7	101.5
115	42.4	31.8	47.6





#81
1,2,4-Trichlorobenzene
Concen: 9.70 ppbv
RT: 23.73 min Scan# 3386
Delta R.T. 0.02 min
Lab File: VL025604.D
Acq: 7 Jul 2015 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1800550

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	30.5	24.2	36.4