Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026235.D
Acq On : 21 Oct 2015 12:08
Operator : SY/MD
Sample : VL1021ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Quant Time: Oct 22 08:31:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	481816	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.30	114	1511896	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	2312517	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1473140	8.26	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.62	85	1126612	11.28	ppbv	99
3) Chlorodifluoromethane	3.55	51	623755	10.22	ppbv	99
4) Chloromethane	3.73	50	352613	10.71	ppbv	98
5) Vinyl Chloride	3.87	62	370394	10.69	ppbv	98
6) Bromomethane	4.12	94	272744	10.96	ppbv	97
7) Chloroethane	4.21	64	161550	11.11	ppbv	98
8) Dichlorotetrafluoroethane	3.78	85	893773	10.42	ppbv	100
9) Propene	3.57	41	294498	10.31	ppbv	100
10) Heptane	9.32	43	981562	10.27	ppbv	98
11) Trichlorofluoromethane	4.67	101	1090222	11.13	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.28	101	715879	10.71	ppbv	99
13) Ethanol	4.31	45	42012	9.81	ppbv	97
14) Bromoethene	4.43	108	307189	10.89	ppbv	99
15) Acetone	4.57	43	649523	9.16	ppbv	99
16) 1,3-Butadiene	3.95	39	335602	10.61	ppbv	100
17) tert-Butyl alcohol	5.10	59	552804	11.40	ppbv	100
18) 1,1-Dichloroethene	5.06	96	330598	10.95	ppbv	98
19) Isopropyl Alcohol	4.73	45	311079	11.22	ppbv	92
20) Methylene Chloride	5.12	84	304340	10.75	ppbv	97
21) Allyl Chloride	5.20	41	501401	10.83	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	430886	11.07	ppbv	99
23) Vinyl Acetate	5.96	43	1423759	10.89	ppbv	99
24) 1,1-Dichloroethane	5.89	63	902476	10.94	ppbv	100
25) Ethyl Acetate	6.64	43	1334932	10.04	ppbv	99
26) Hexane	6.63	57	662408	9.97	ppbv	99
27) Carbon Disulfide	5.36	76	922654	10.86	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	1309413	10.84	ppbv	100
29) Chloroform	6.72	83	1008372	10.46	ppbv	99
30) Cyclohexane	8.25	84	682854	10.27	ppbv	99
31) cis-1,2-Dichloroethene	6.49	61	662432	10.98	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1088776	10.18	ppbv	100
34) 2-Butanone	6.17	43	889695	10.41	ppbv	100
35) Carbon Tetrachloride	8.13	117	1131368	9.82	ppbv	97
36) Benzene	7.99	78	1546852	10.05	ppbv	99
37) 1,2-Dichloroethane	7.34	62	830286	10.49	ppbv	100
38) Trichloroethene	9.03	130	632408	8.47	ppbv	99
39) 1,2-Dichloropropane	8.79	63	544489	10.06	ppbv	97
40) 1,4-Dioxane	9.09	88	127869	12.56	ppbv	78
41) Tetrahydrofuran	7.09	42	507558	10.26	ppbv	99
42) Bromodichloromethane	8.99	83	1159907	10.19	ppbv	97
43) Methyl Methacrylate	9.23	69	584694	10.43	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026235.D
Acq On : 21 Oct 2015 12:08
Operator : SY/MD
Sample : VL1021ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Quant Time: Oct 22 08:31:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2372355	9.52	ppbv		100
45) t-1,3-Dichloropropene	10.62	75	950701	10.87	ppbv		99
46) cis-1,3-Dichloropropene	9.99	75	1067621	10.43	ppbv		99
47) 1,1,2-Trichloroethane	10.85	97	701480	10.31	ppbv		99
48) Dibromochloromethane	11.77	129	1153505	10.40	ppbv		100
49) Bromoform	14.78	173	959568	10.25	ppbv		99
50) 4-Methyl-2-Pentanone	10.06	43	1212169	10.51	ppbv		99
51) 2-Hexanone	11.58	43	1178771	10.94	ppbv	#	99
52) Tetrachloroethene	12.76	164	723786	8.20	ppbv		100
53) Toluene	11.20	91	2096177	10.01	ppbv		100
54) 1,2-Dibromoethane	12.11	107	1090507	10.36	ppbv		98
56) 1,1,1,2-Tetrachloroethane	13.76	131	833024	7.51	ppbv		99
57) Chlorobenzene	13.78	112	1738745	7.86	ppbv		99
58) Ethyl Benzene	14.38	91	3007759	8.03	ppbv		99
59) m/p-Xylene	14.68	91	4585360	15.63	ppbv		100
60) o-Xylene	15.46	91	2352519	7.67	ppbv		99
61) Styrene	15.27	104	1188756	8.57	ppbv		99
62) Isopropylbenzene	16.51	105	3367024	7.89	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.45	83	1537072	7.58	ppbv		100
64) n-propylbenzene	17.49	120	945343	8.06	ppbv		93
65) tert-Butylbenzene	18.78	119	2950739	7.57	ppbv		99
66) Benzyl Chloride	19.07	91	1345023	8.37	ppbv		100
67) sec-Butylbenzene	19.37	105	4292954	7.91	ppbv		100
69) p-Isopropyltoluene	19.75	119	3564200	7.85	ppbv		100
70) n-Butylbenzene	20.72	91	3318424	8.00	ppbv		99
71) 2-Chlorotoluene	17.39	91	2548495	8.11	ppbv		100
72) 4-Ethyltoluene	17.79	105	2903238	8.13	ppbv		100
73) 1,3,5-Trimethylbenzene	17.96	105	2677456	8.05	ppbv		100
74) 1,2,4-Trimethylbenzene	18.80	105	2627790	7.62	ppbv		98
75) 1,3-Dichlorobenzene	19.08	146	1754681	7.78	ppbv		100
76) 1,4-Dichlorobenzene	19.24	146	1870132	7.94	ppbv		99
77) 1,2-Dichlorobenzene	19.99	146	1785800	7.86	ppbv		99
78) Hexachloro-1,3-Butadiene	24.64	225	771593	6.62	ppbv		100
79) Naphthalene	23.90	128	2404383	7.91	ppbv		100
80) Naphthalene,2-methyl-	26.02	142	673668	12.35	ppbv		100
81) 1,2,4-Trichlorobenzene	23.70	180	1102078	7.53	ppbv		99

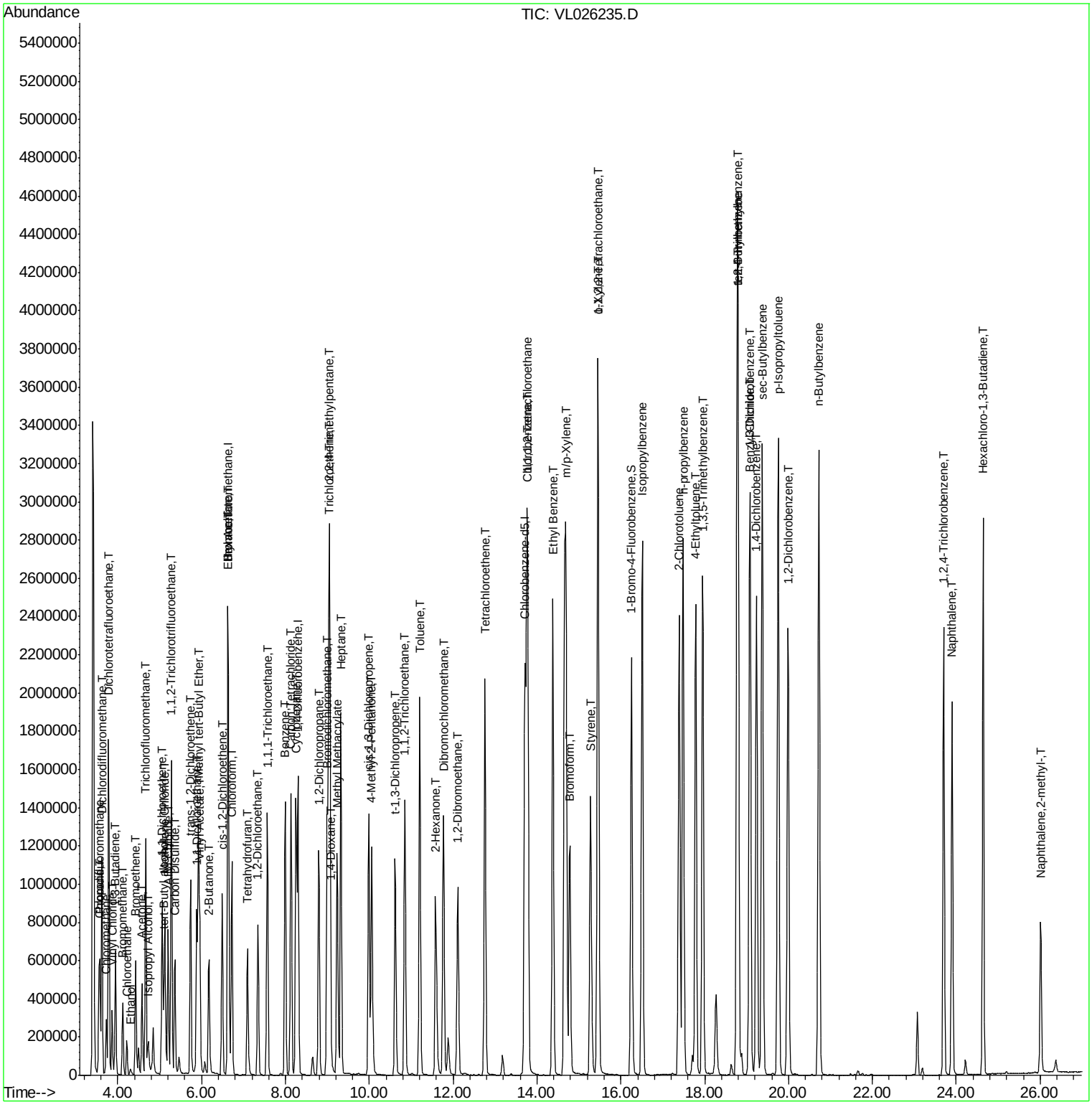
(#) = qualifier out of range (m) = manual integration (+) = signals summed

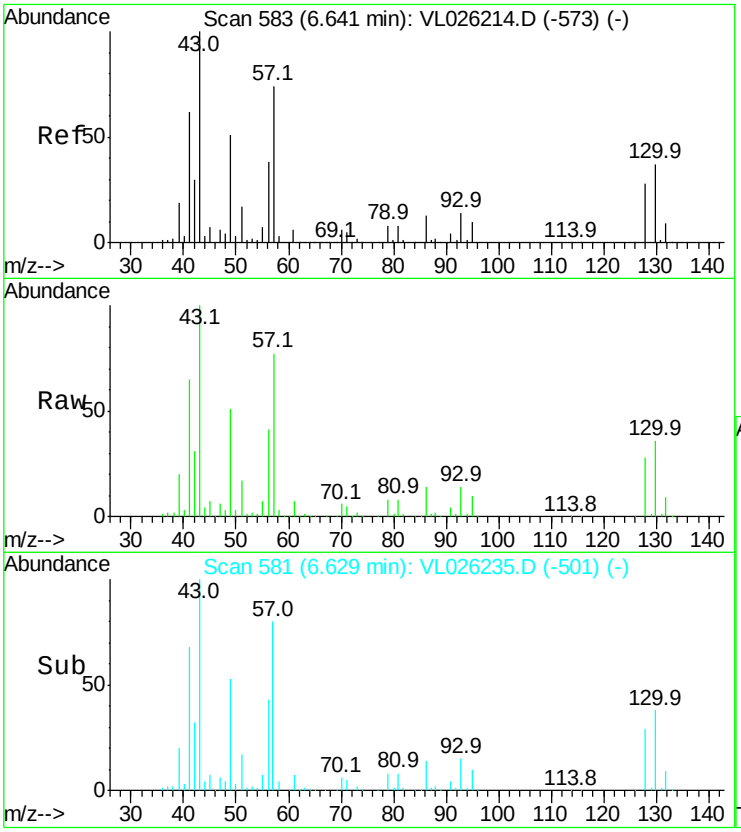
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026235.D
Acq On : 21 Oct 2015 12:08
Operator : SY/MD
Sample : VL1021ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Quant Time: Oct 22 08:31:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration



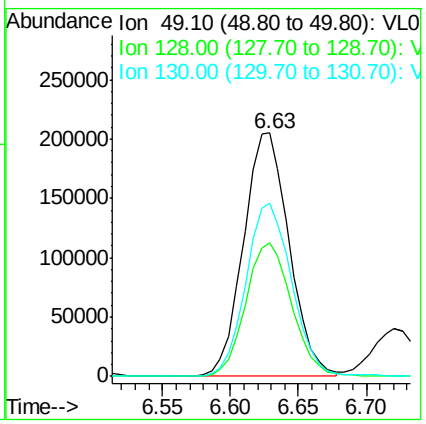


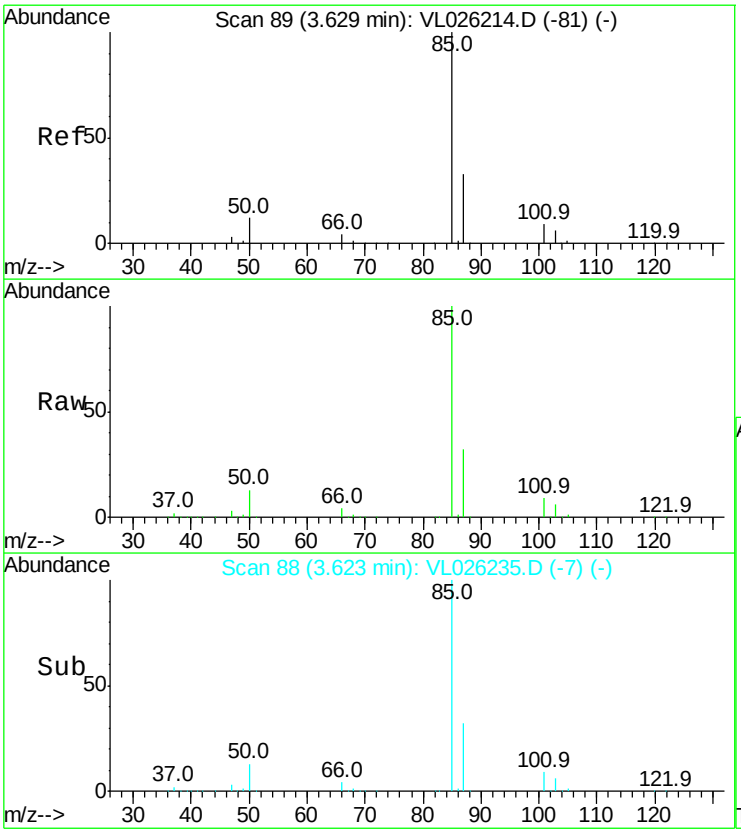
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 49 Resp: 481816

Ion	Ratio	Lower	Upper
49	100		
128	55.4	28.2	84.7
130	71.8	36.0	108.1

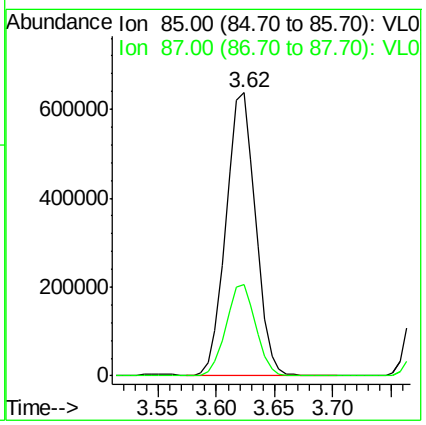


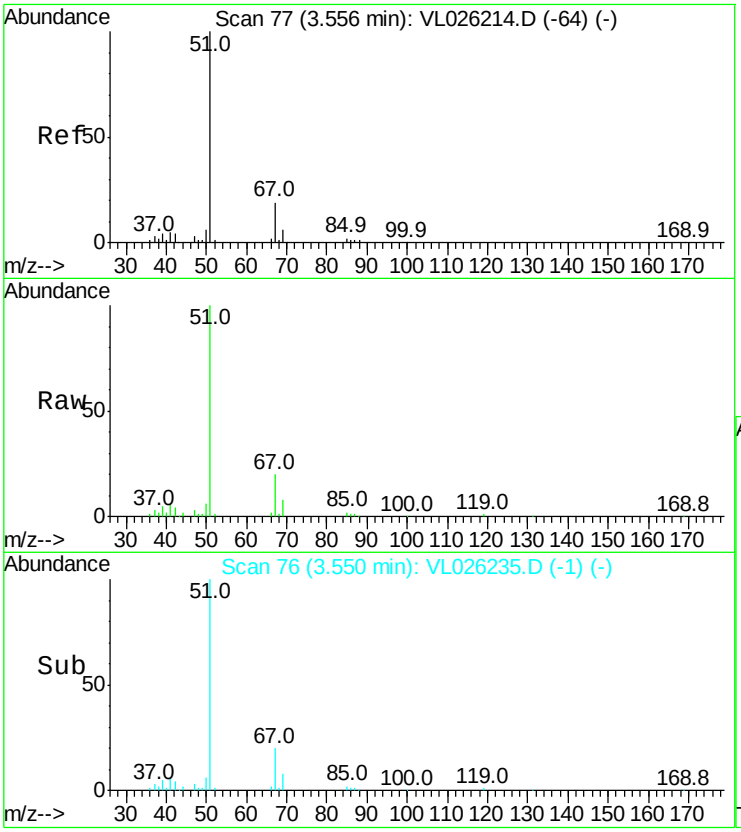


#2
Dichlorodifluoromethane
Concen: 11.28 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 85 Resp: 1126612

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.1	39.1



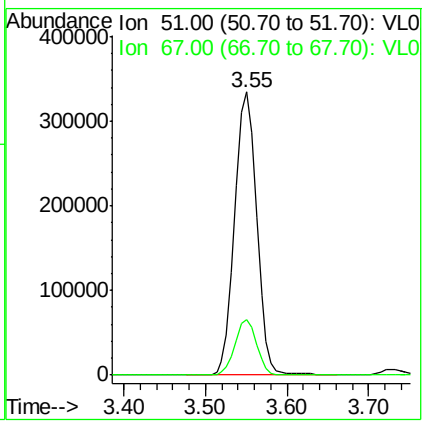


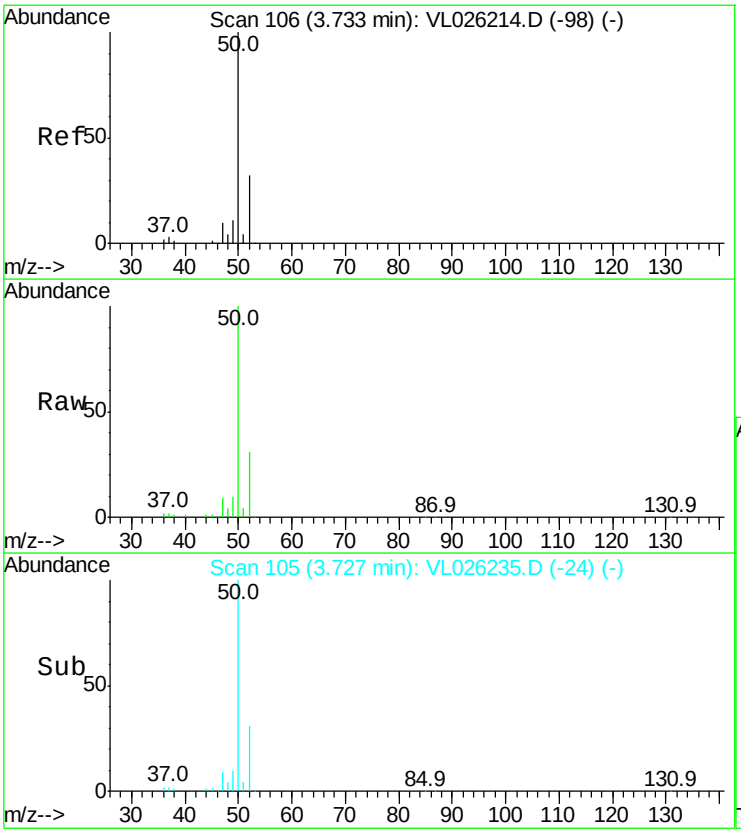
#3
Chlorodifluoromethane
Concen: 10.22 ppbv
RT: 3.55 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 51 Resp: 623755

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.3	22.9

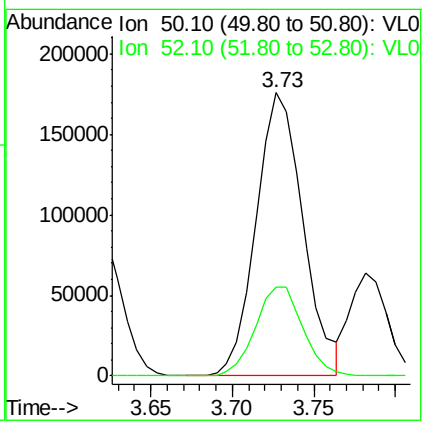


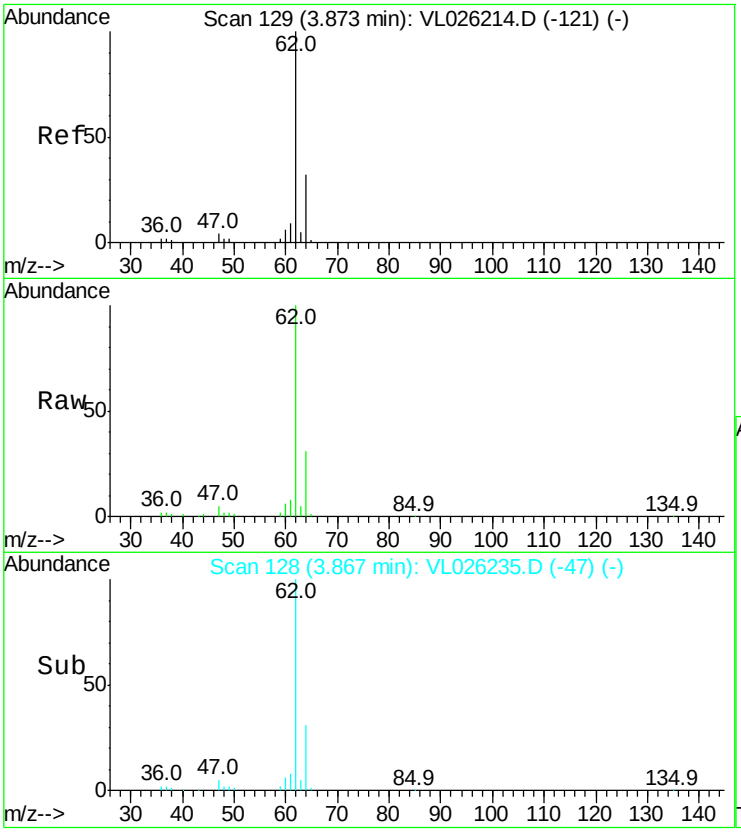


#4
Chloromethane
Concen: 10.71 ppbv
RT: 3.73 min Scan# 105
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 50 Resp: 352613

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.8	38.6



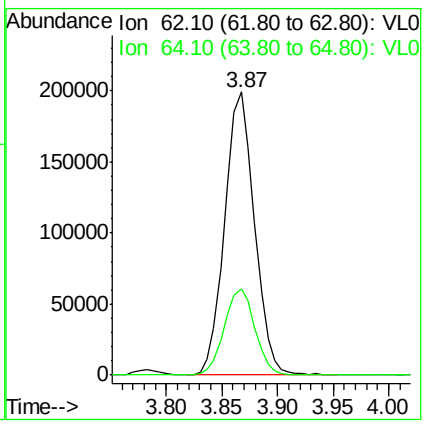


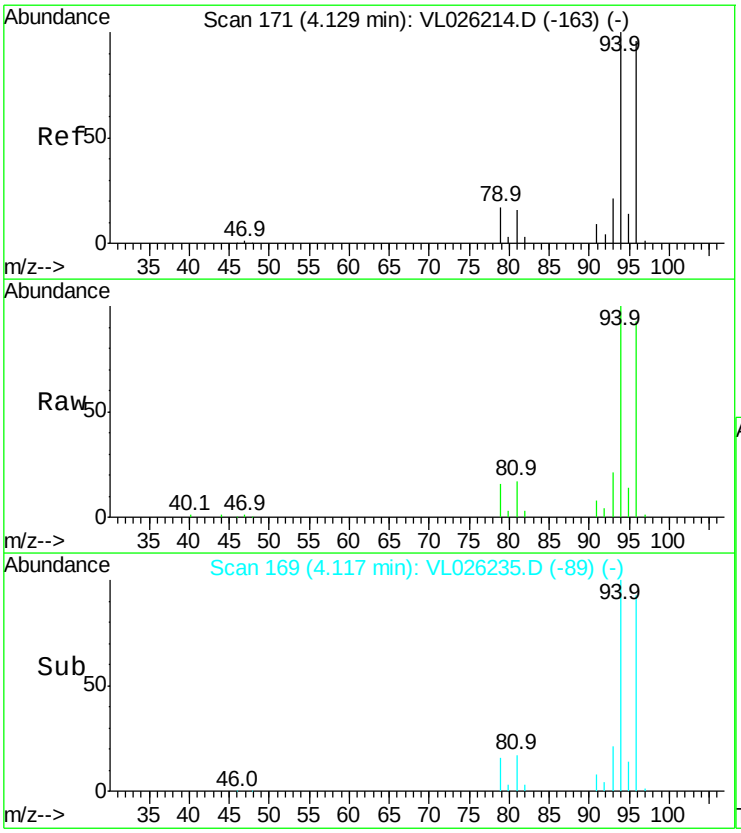
#5
Vinyl Chloride
Concen: 10.69 ppbv
RT: 3.87 min Scan# 128
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 62 Resp: 370394

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.6	38.4

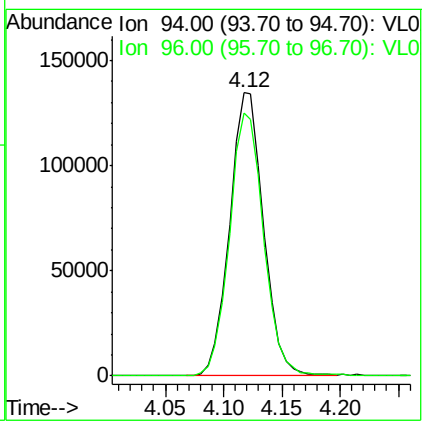


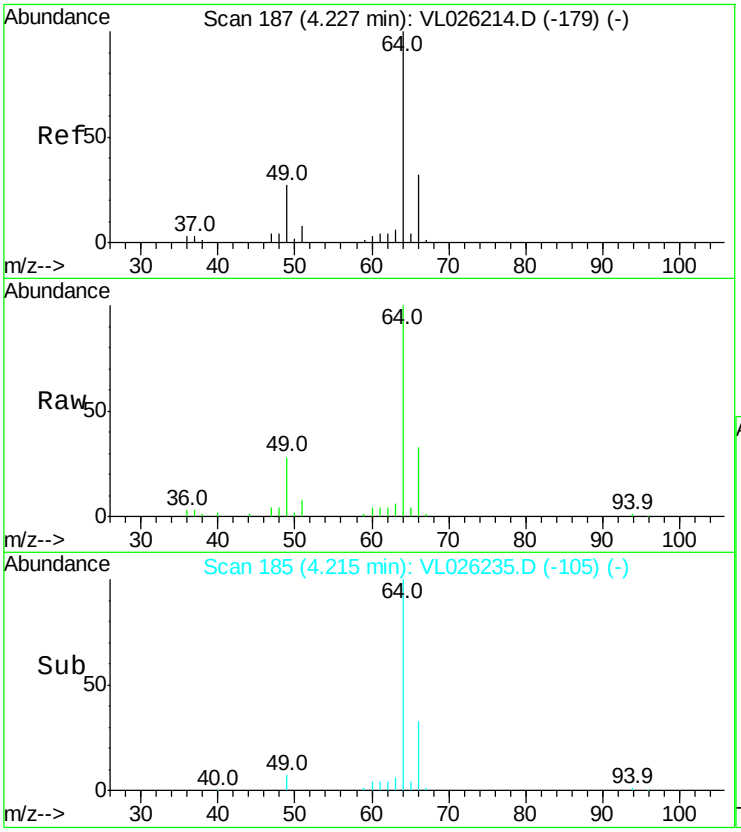


#6
Bromomethane
Concen: 10.96 ppbv
RT: 4.12 min Scan# 169
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 94 Resp: 272744

Ion	Ratio	Lower	Upper
94	100		
96	92.9	76.5	114.7



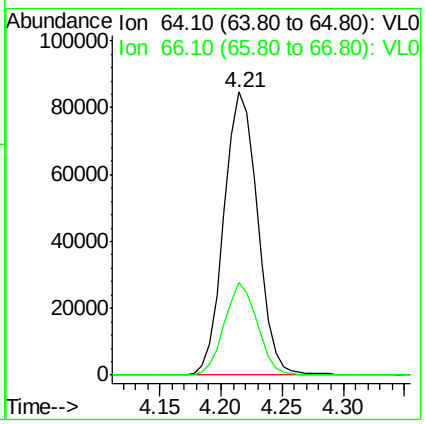


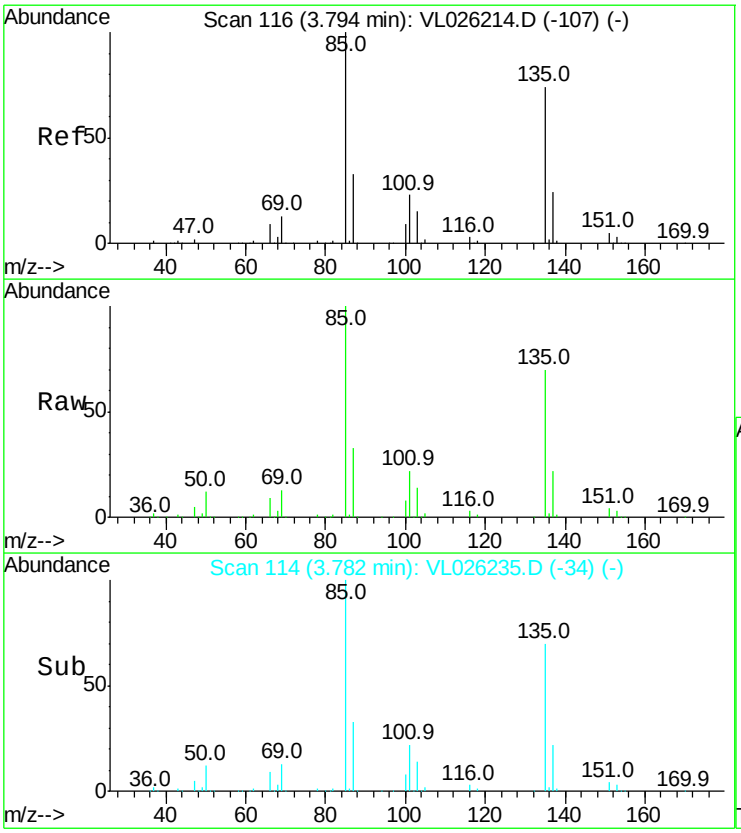
#7
Chloroethane
Concen: 11.11 ppbv
RT: 4.21 min Scan# 185
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 64 Resp: 161550

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.4	38.0

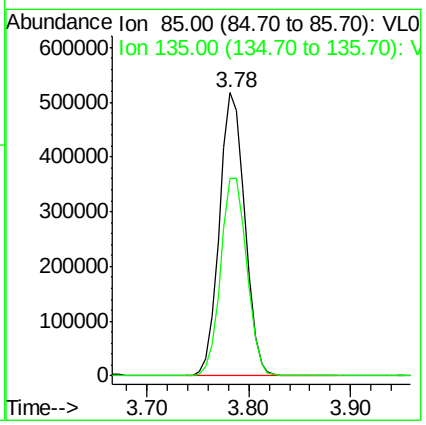


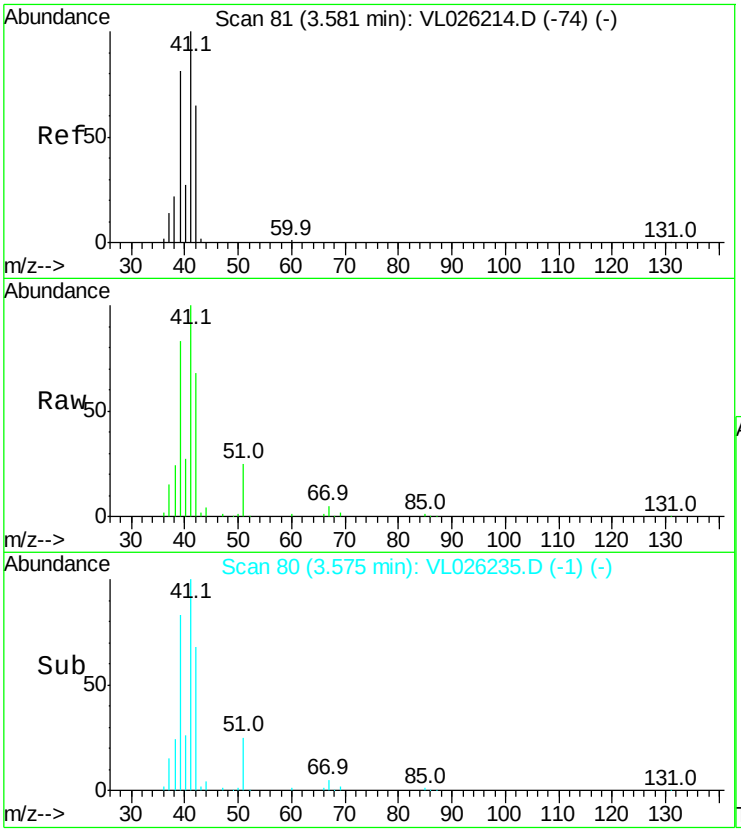


#8
Dichlorotetrafluoroethane
Concen: 10.42 ppbv
RT: 3.78 min Scan# 114
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 85 Resp: 893773

Ion	Ratio	Lower	Upper
85	100		
135	72.1	57.8	86.8

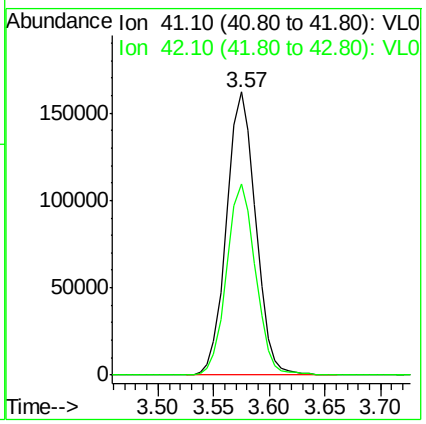




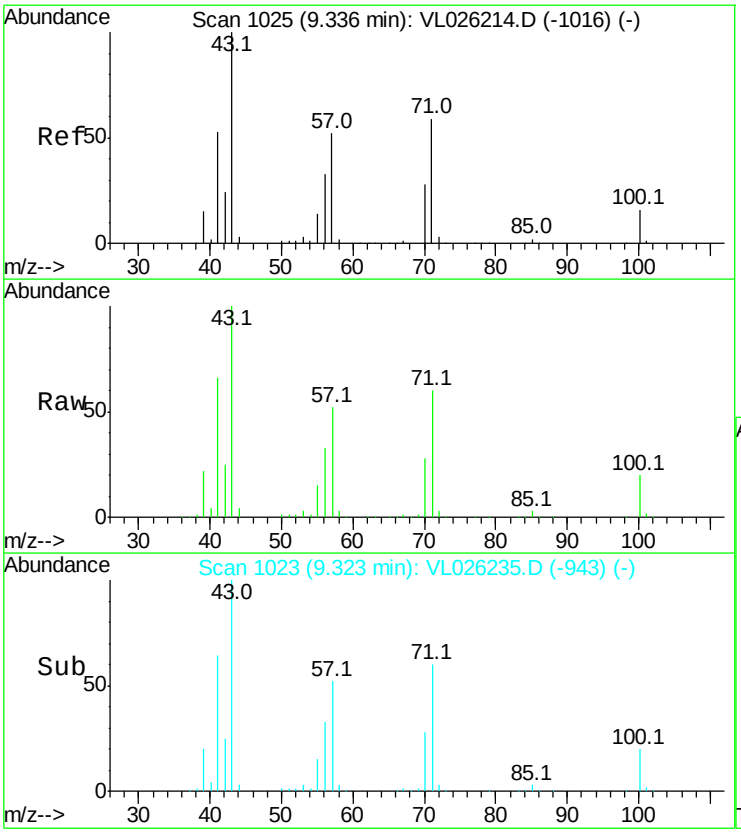
#9
Propene
Concen: 10.31 ppbv
RT: 3.57 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 41 Resp: 294498

Ion	Ratio	Lower	Upper
41	100		
42	67.2	53.8	80.8



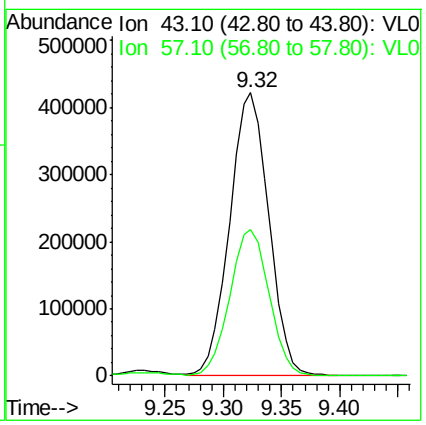
Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

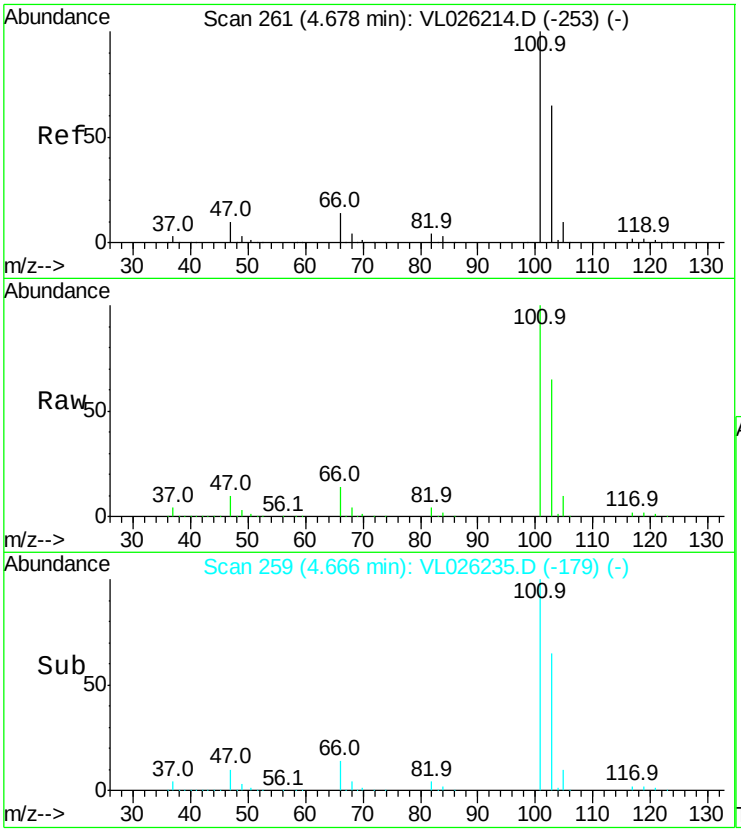


#10
Heptane
Concen: 10.27 ppbv
RT: 9.32 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 43 Resp: 981562

Ion	Ratio	Lower	Upper
43	100		
57	53.3	43.7	65.5



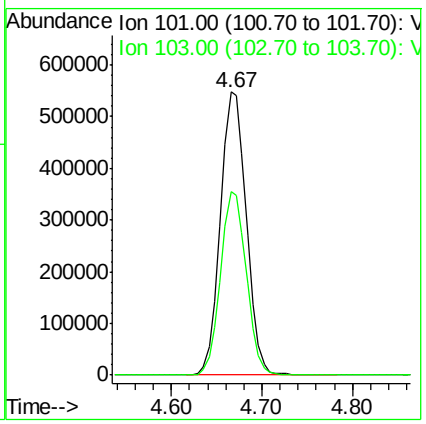


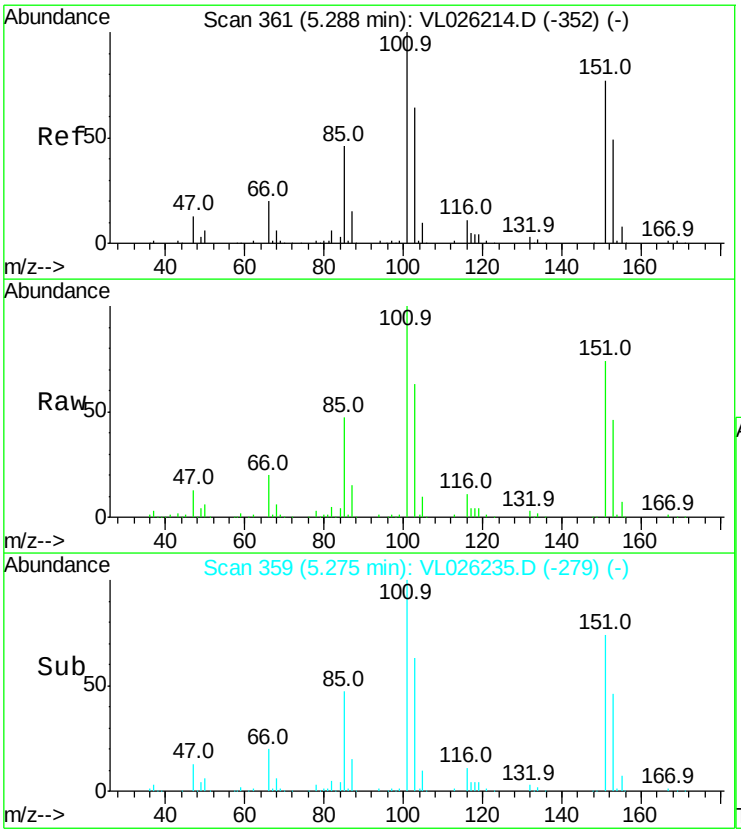
#11
Trichlorofluoromethane
Concen: 11.13 ppbv
RT: 4.67 min Scan# 259
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion:101 Resp: 1090222

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

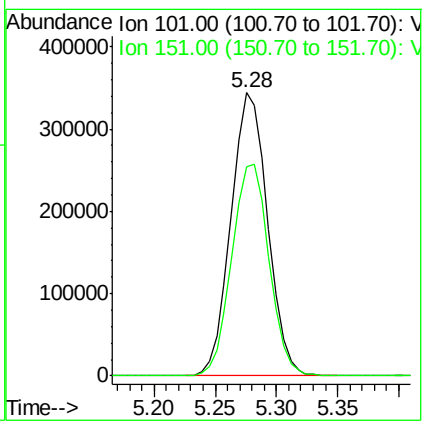


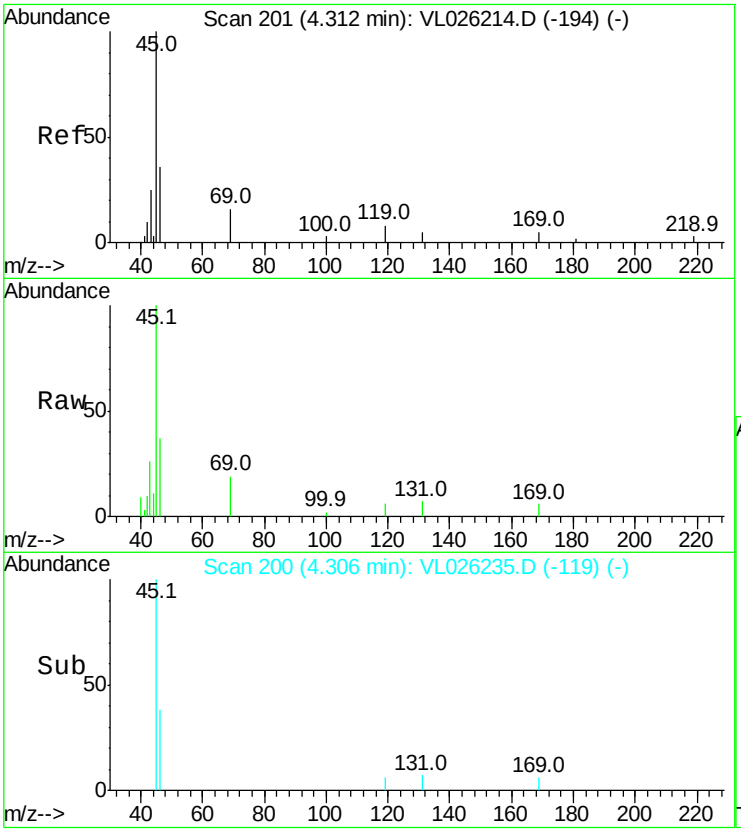


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.71 ppbv
RT: 5.28 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:101 Resp: 715879

Ion	Ratio	Lower	Upper
101	100		
151	76.4	61.7	92.5



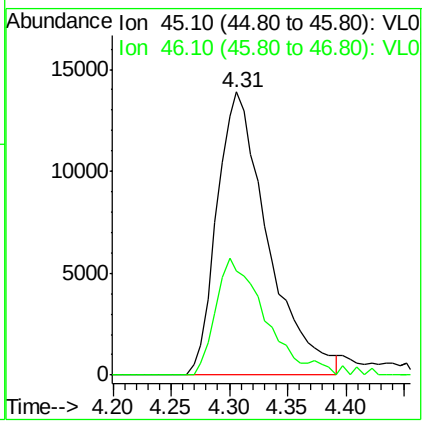


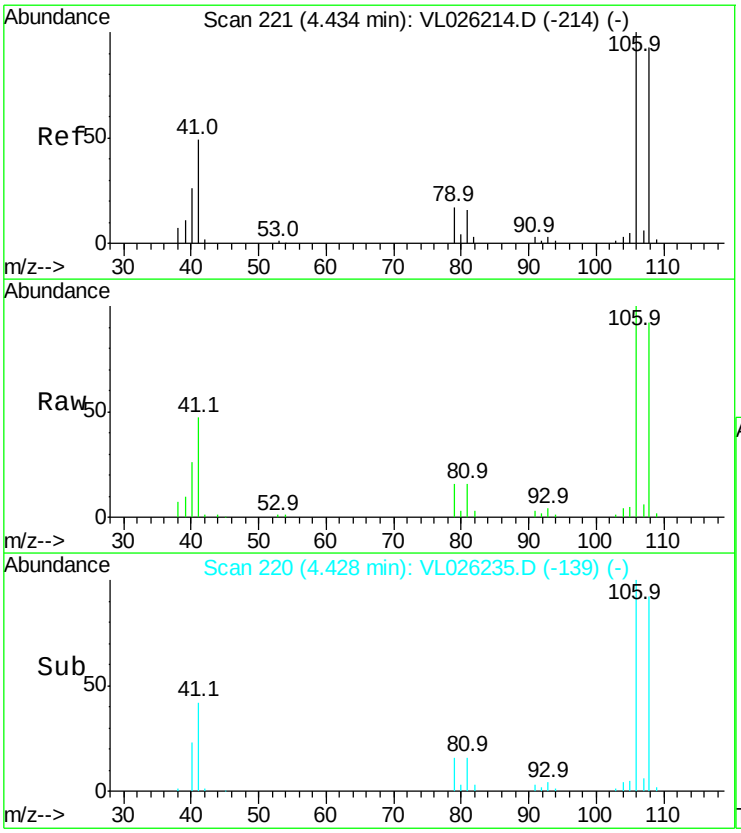
#13
Ethanol
Concen: 9.81 ppbv
RT: 4.31 min Scan# 200
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 45 Resp: 42012

Ion	Ratio	Lower	Upper
45	100		
46	40.9	15.8	63.0

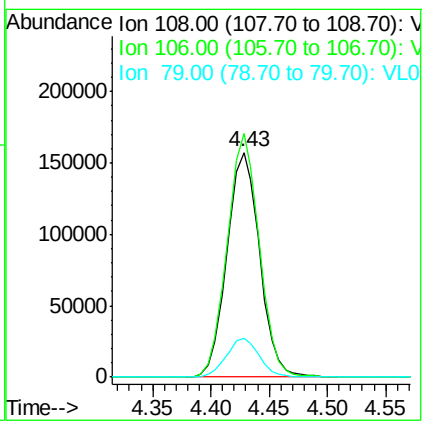


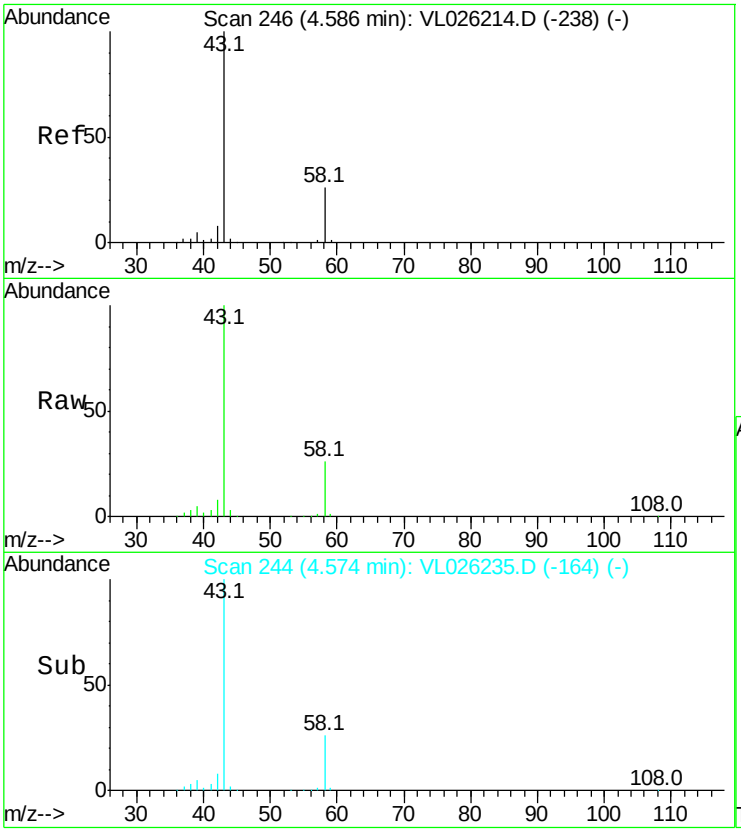


#14
Bromoethene
Concen: 10.89 ppbv
RT: 4.43 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:108 Resp: 307189

Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.7	127.1
79	17.3	14.0	21.0



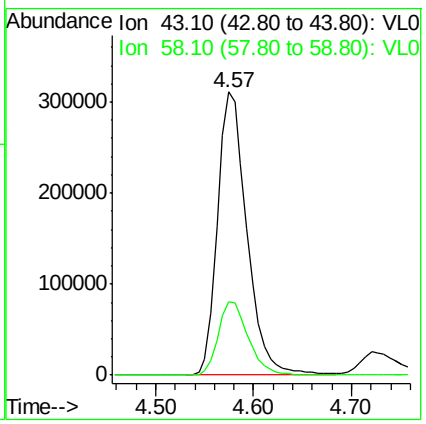


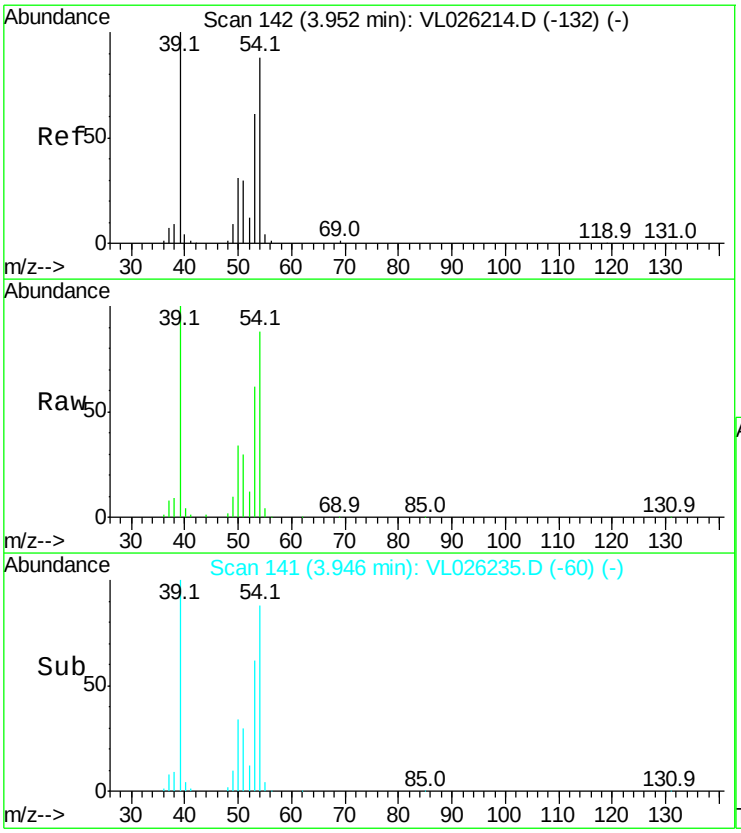
#15
Acetone
Concen: 9.16 ppbv
RT: 4.57 min Scan# 244
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 43 Resp: 649523

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.8	32.6

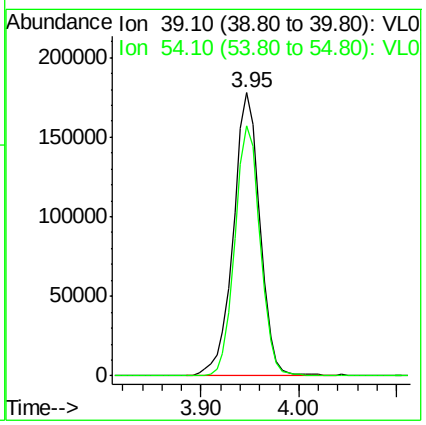


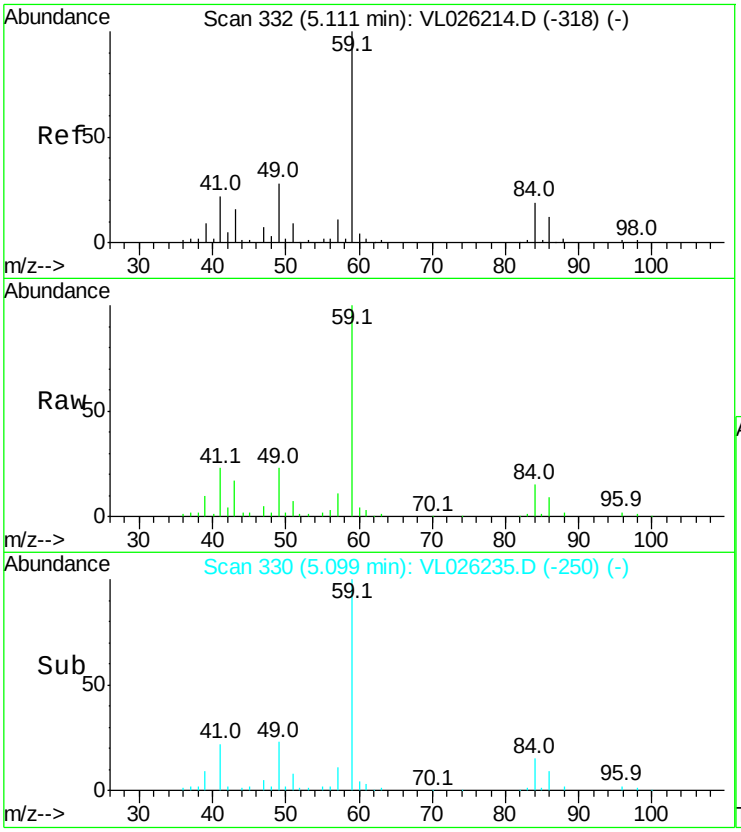


#16
1,3-Butadiene
Concen: 10.61 ppbv
RT: 3.95 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 39 Resp: 335602

Ion	Ratio	Lower	Upper
39	100		
54	84.1	67.3	100.9



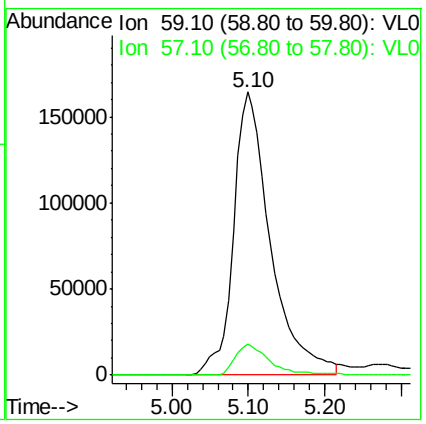


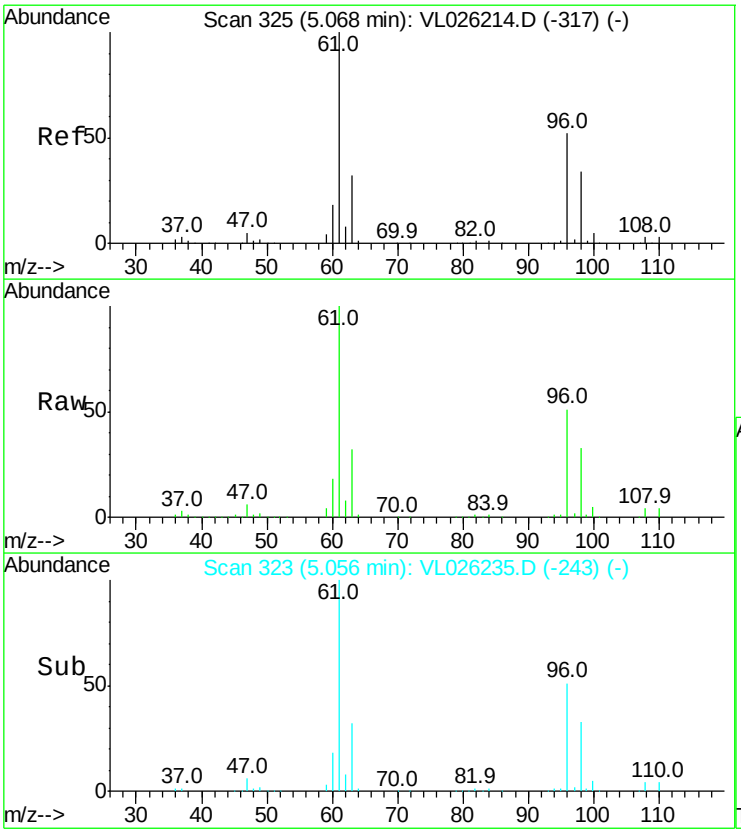
#17
tert-Butyl alcohol
Concen: 11.40 ppbv
RT: 5.10 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 59 Resp: 552804

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

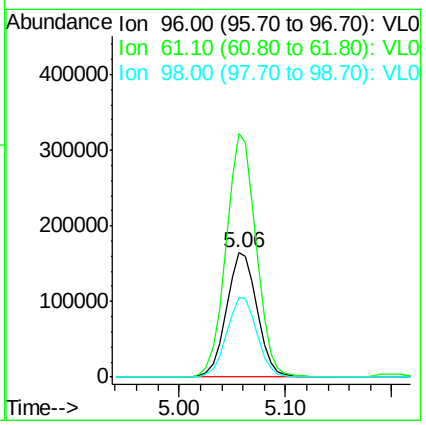


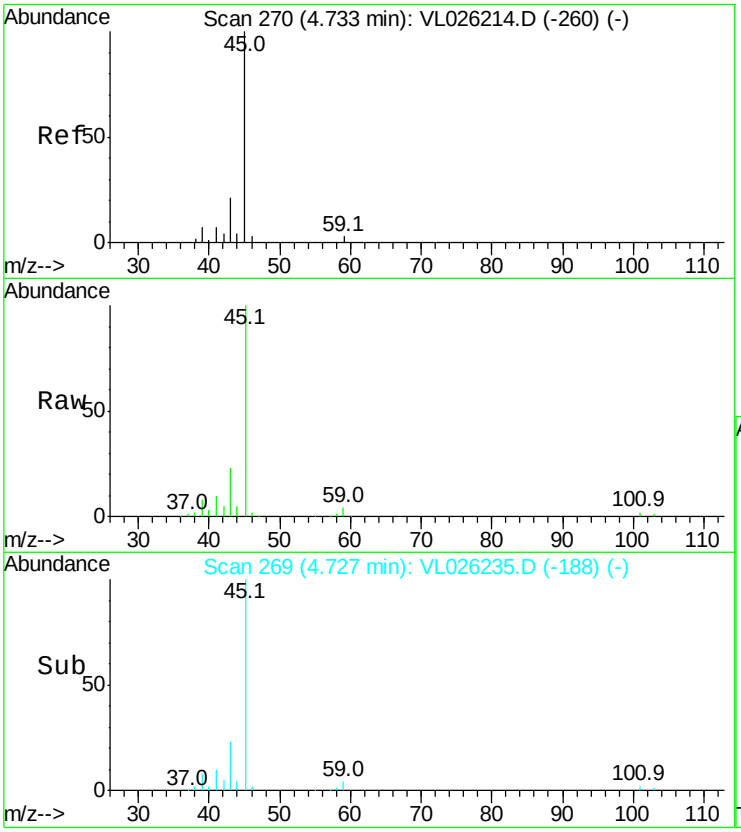


#18
1,1-Dichloroethene
Concen: 10.95 ppbv
RT: 5.06 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 96 Resp: 330598

Ion	Ratio	Lower	Upper
96	100		
61	195.9	153.7	230.5
98	64.1	51.6	77.4



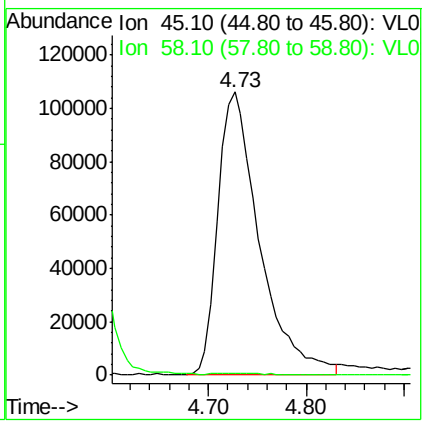


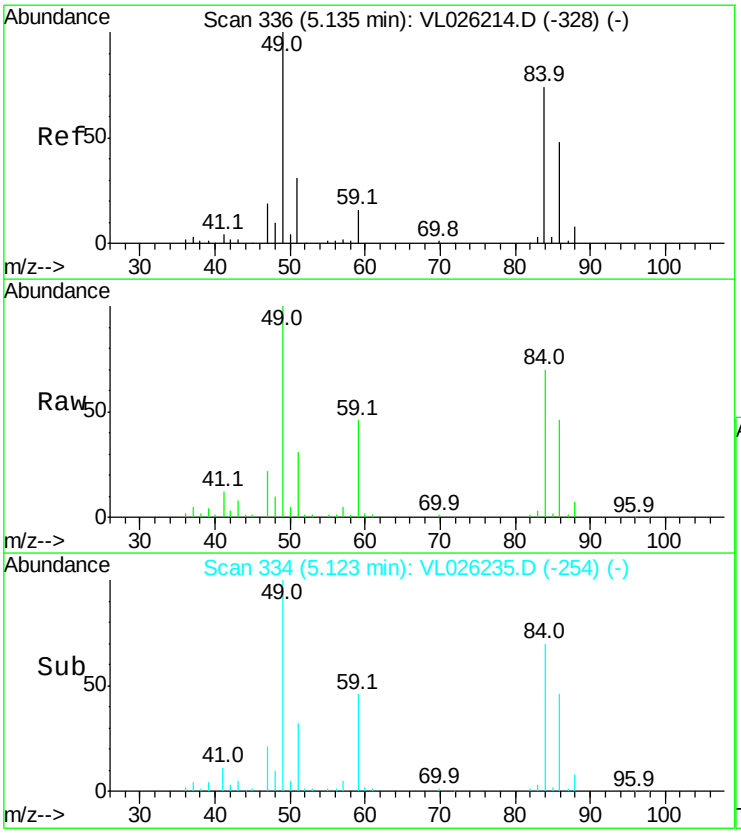
#19
Isopropyl Alcohol
Concen: 11.22 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 45 Resp: 311079

Ion	Ratio	Lower	Upper
45	100		
58	55.8	40.3	60.5

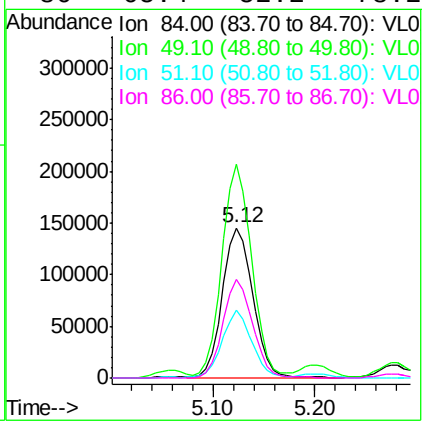


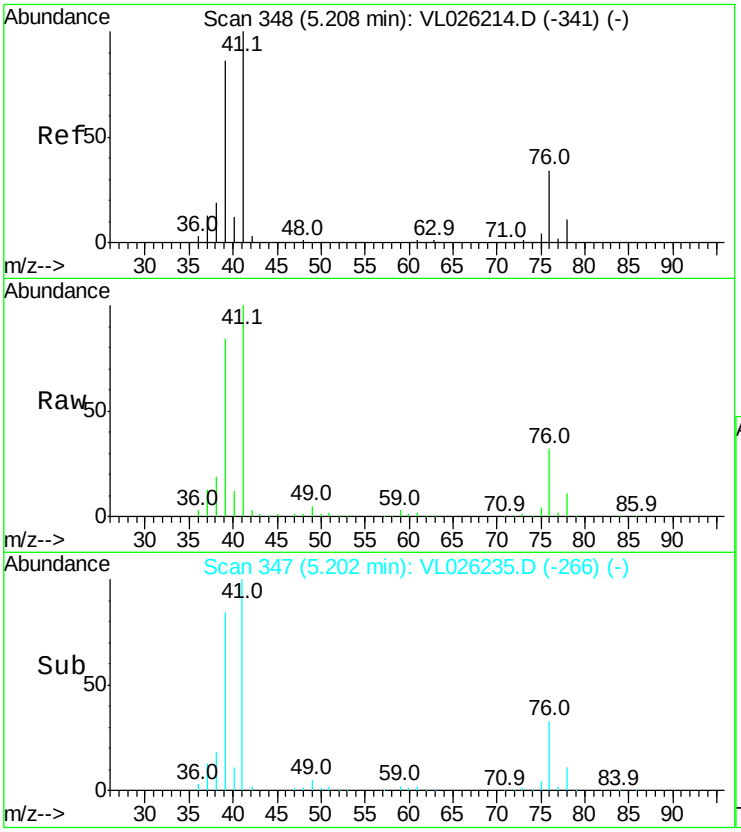


#20
Methylene Chloride
Concen: 10.75 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 84 Resp: 304340

Ion	Ratio	Lower	Upper
84	100		
49	139.9	108.7	163.1
51	44.5	33.7	50.5
86	65.4	52.2	78.2



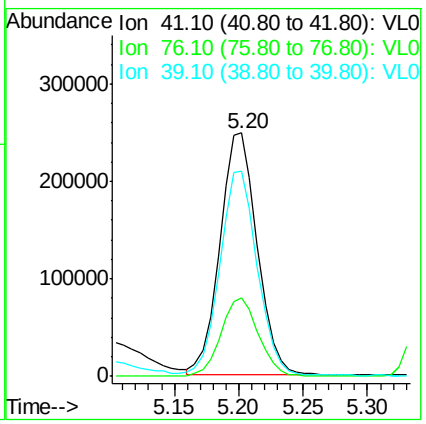


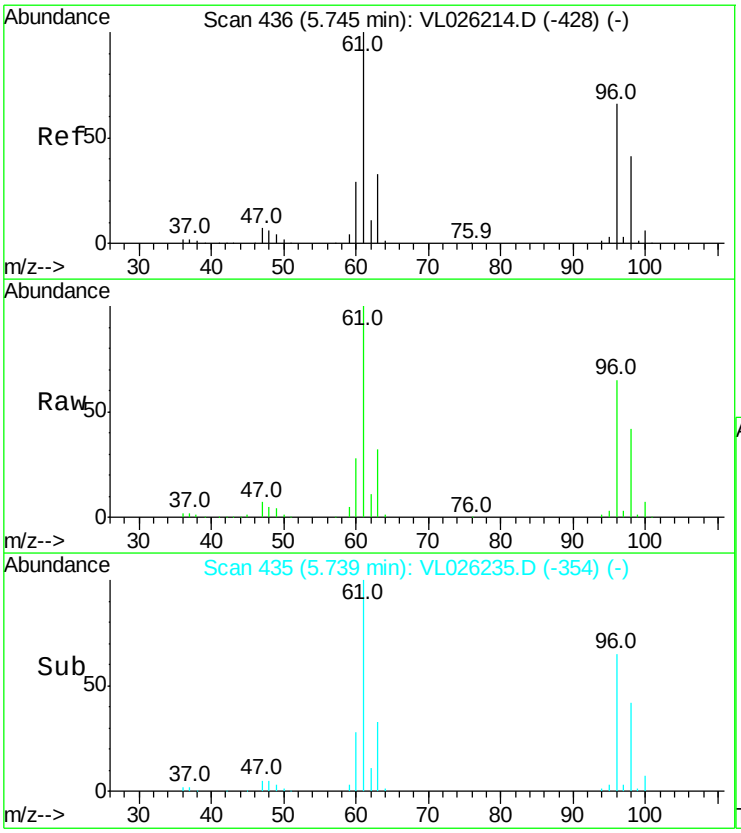
#21
Allyl Chloride
Concen: 10.83 ppbv
RT: 5.20 min Scan# 347
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 41 Resp: 501401

Ion	Ratio	Lower	Upper
41	100		
76	32.8	26.6	39.8
39	85.8	67.4	101.2

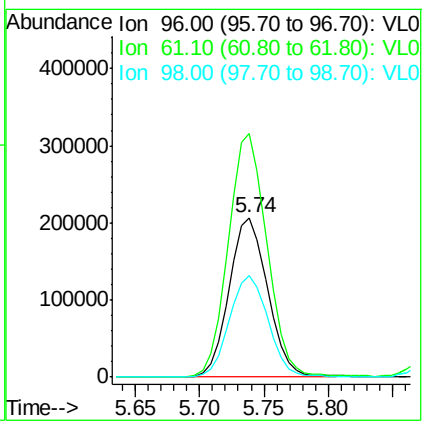


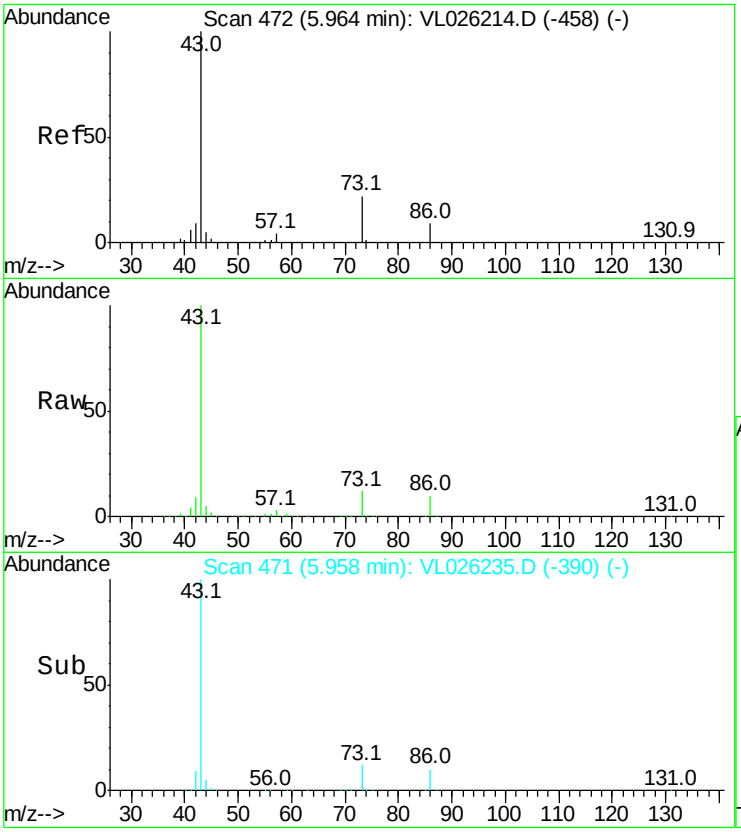


#22
trans-1,2-Dichloroethene
Concen: 11.07 ppbv
RT: 5.74 min Scan# 435
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 96 Resp: 430886

Ion	Ratio	Lower	Upper
96	100		
61	152.7	121.5	182.3
98	63.7	49.7	74.5



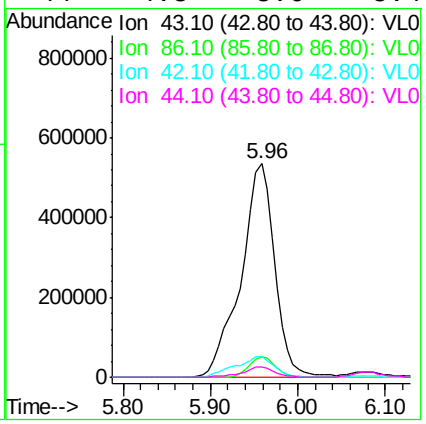


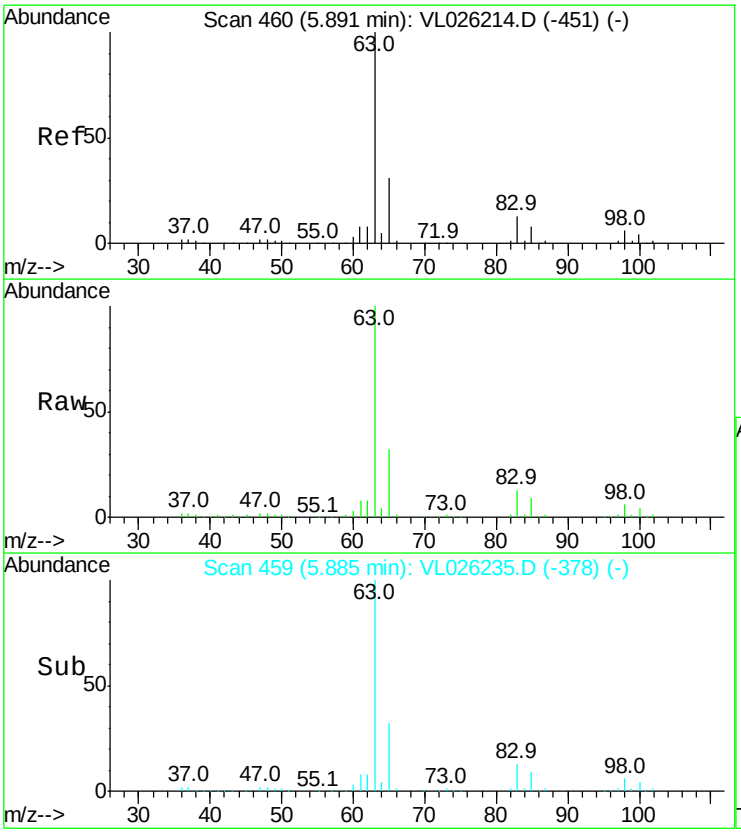
#23
Vinyl Acetate
Concen: 10.89 ppbv
RT: 5.96 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 43 Resp: 1423759

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.0	10.6
42	9.4	7.5	11.3
44	4.8	3.6	5.4

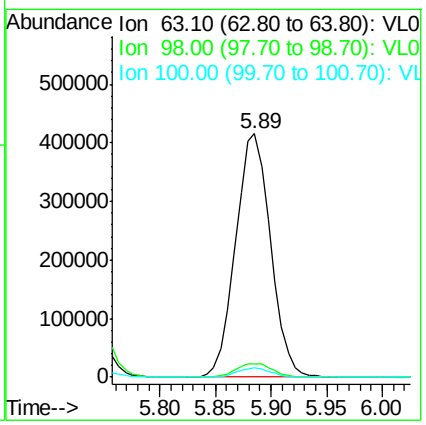


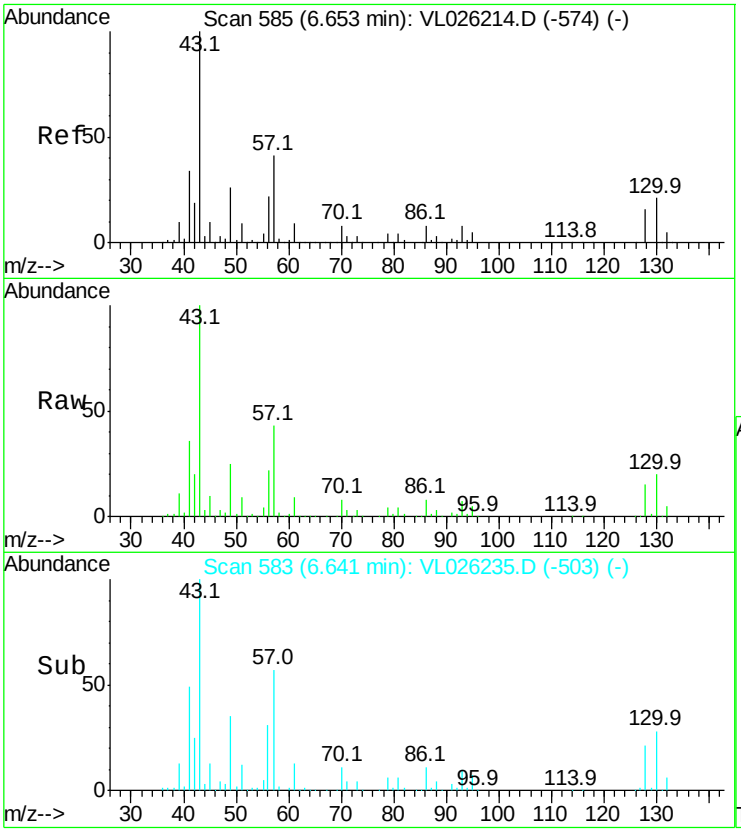


#24
1,1-Dichloroethane
Concen: 10.94 ppbv
RT: 5.89 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 63 Resp: 902476

Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.8
100	3.7	1.8	5.5



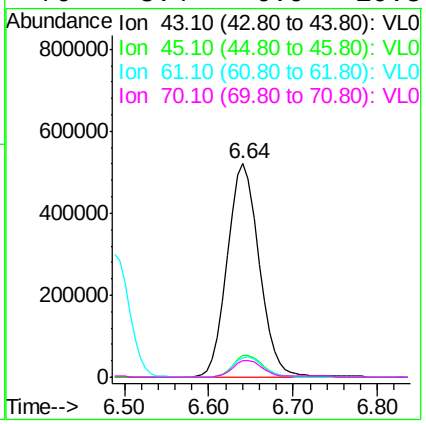


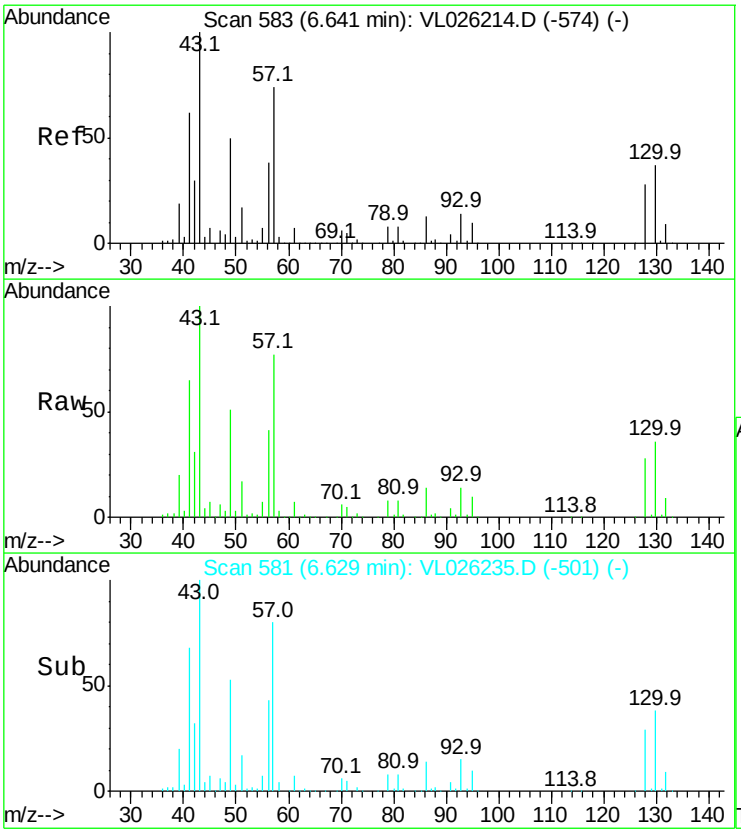
#25
Ethyl Acetate
Concen: 10.04 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 43 Resp: 1334932

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.7	11.5
61	8.9	7.5	11.3
70	8.4	6.9	10.3

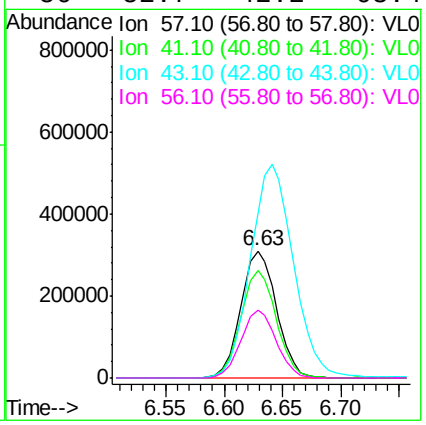


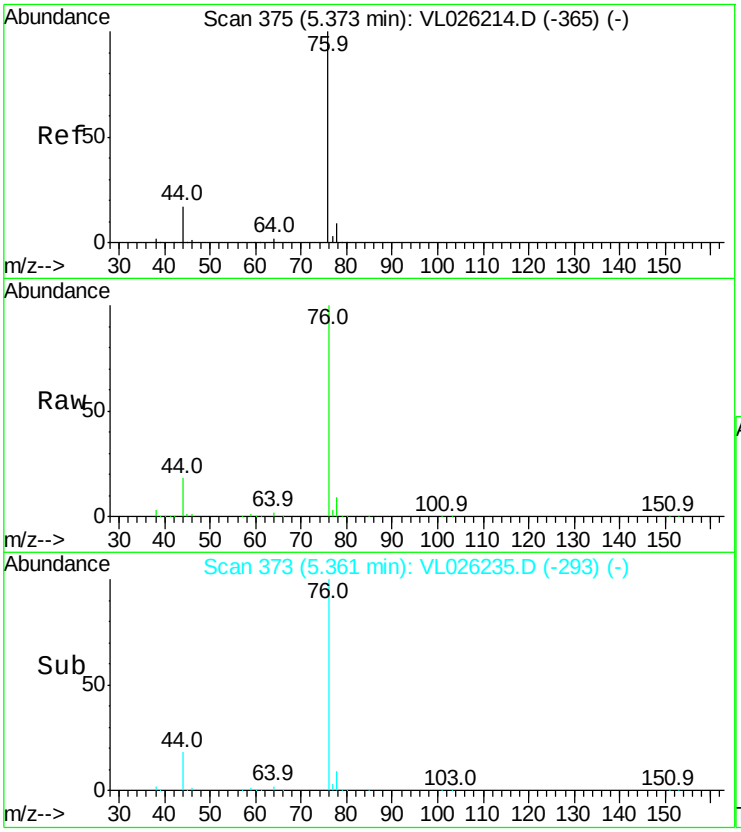


#26
Hexane
Concen: 9.97 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 57 Resp: 662408

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.1	102.1
43	202.9	163.4	245.2
56	52.7	42.2	63.4



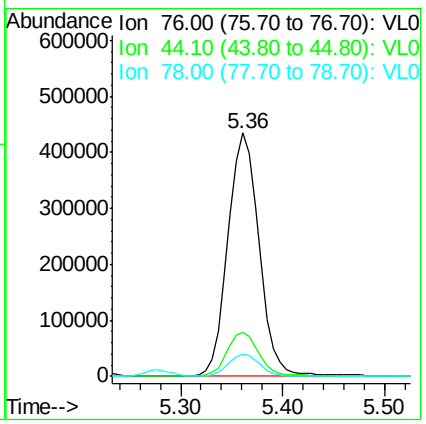


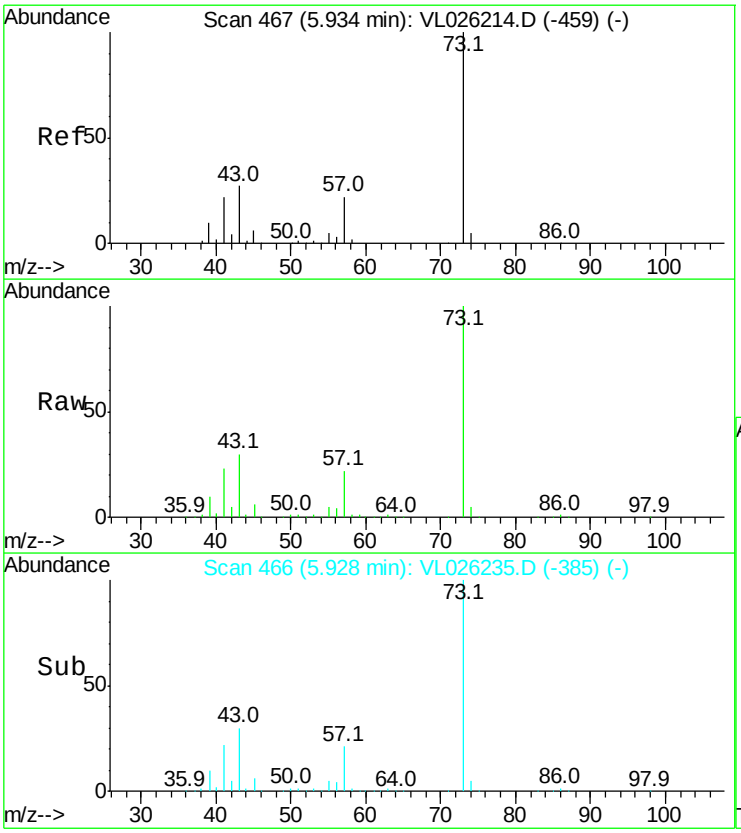
#27
Carbon Disulfide
Concen: 10.86 ppbv
RT: 5.36 min Scan# 373
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 76 Resp: 922654

Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.0	21.0
78	9.3	7.4	11.2

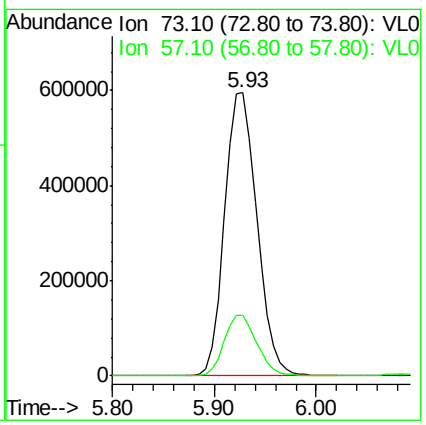


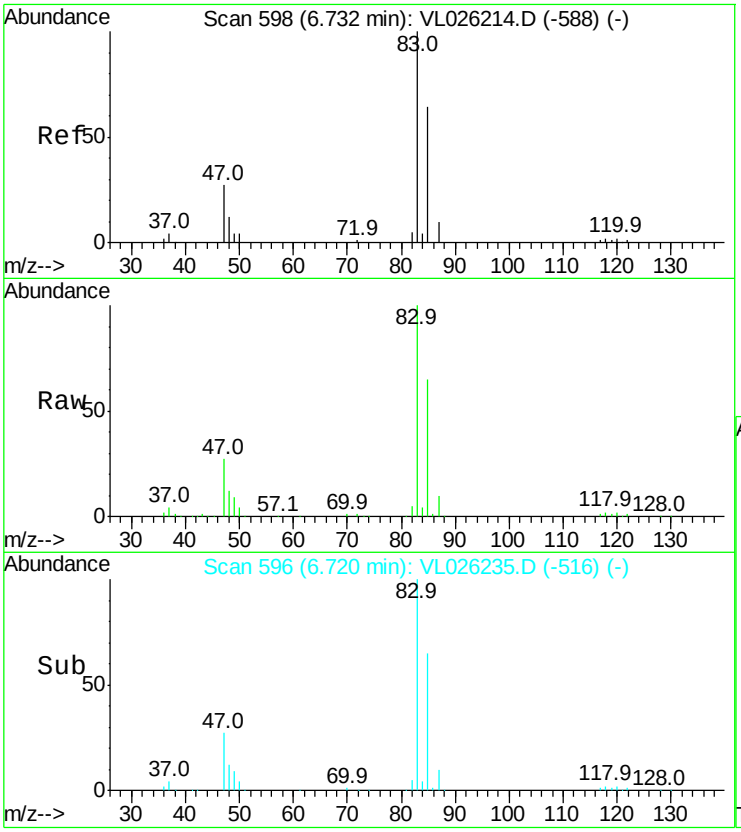


#28
Methyl tert-Butyl Ether
Concen: 10.84 ppbv
RT: 5.93 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 73 Resp: 1309413

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



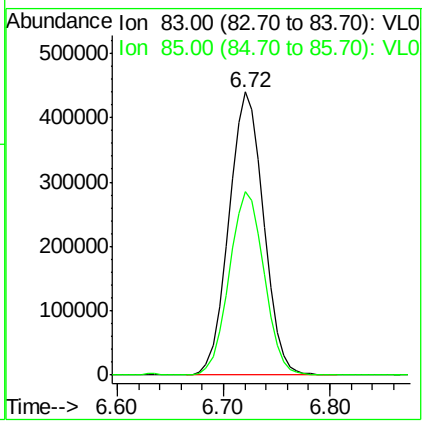


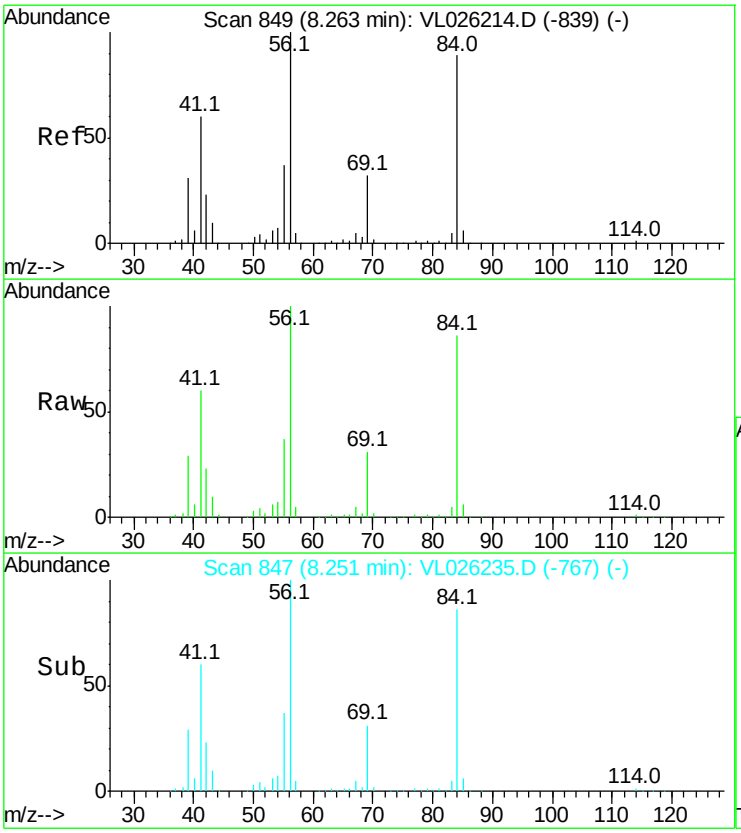
#29
Chloroform
Concen: 10.46 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 83 Resp: 1008372

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3

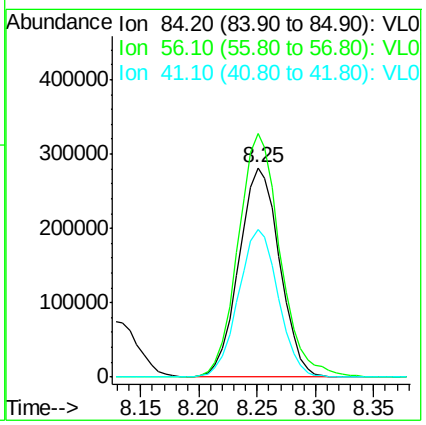


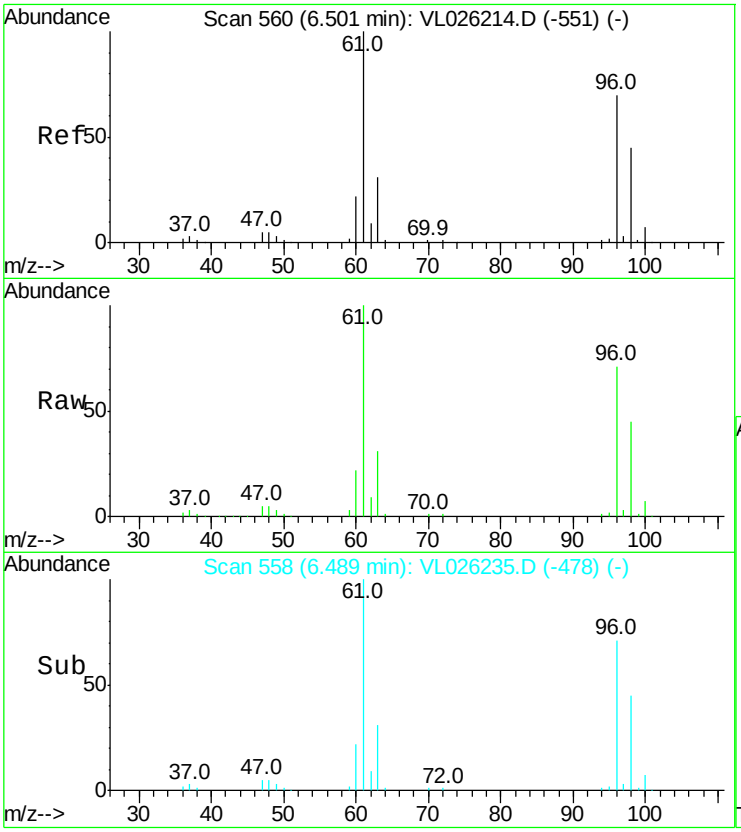


#30
Cyclohexane
Concen: 10.27 ppbv
RT: 8.25 min Scan# 847
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 84 Resp: 682854

Ion	Ratio	Lower	Upper
84	100		
56	120.4	95.9	143.9
41	69.6	54.8	82.2



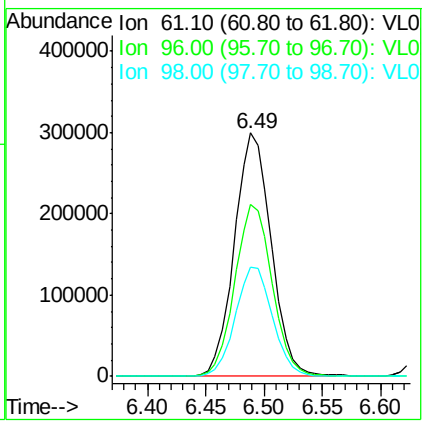


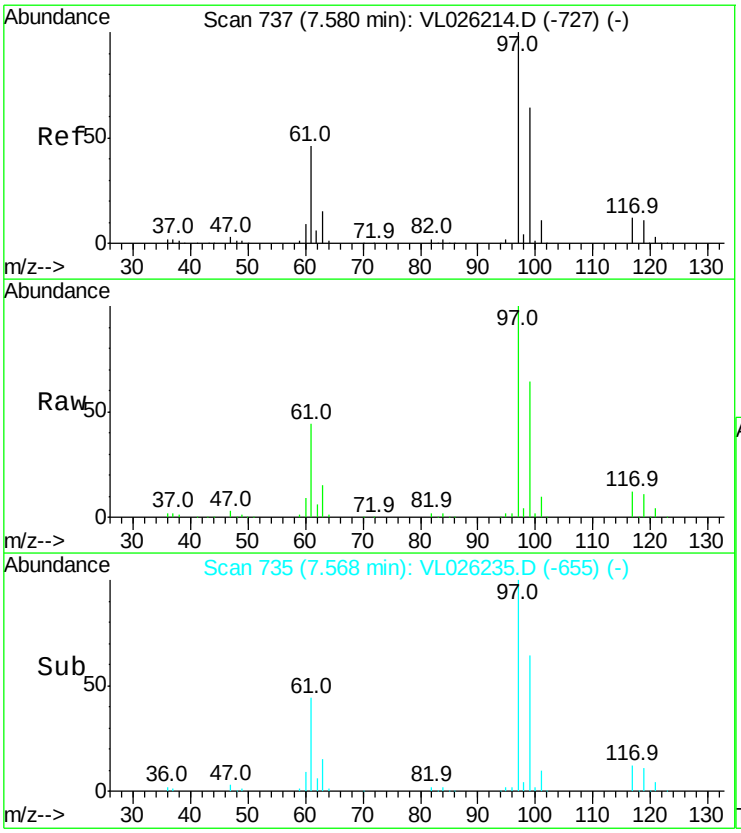
#31
cis-1,2-Dichloroethene
Concen: 10.98 ppbv
RT: 6.49 min Scan# 558
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 61 Resp: 662432

Ion	Ratio	Lower	Upper
61	100		
96	70.8	56.0	84.0
98	44.7	36.1	54.1

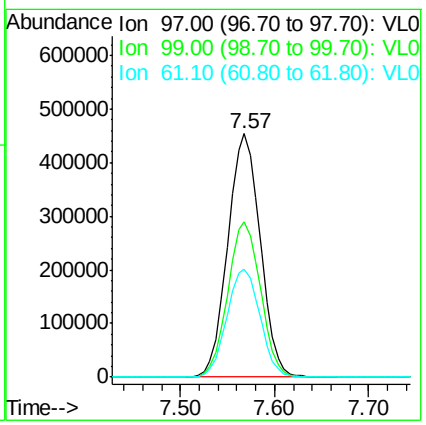


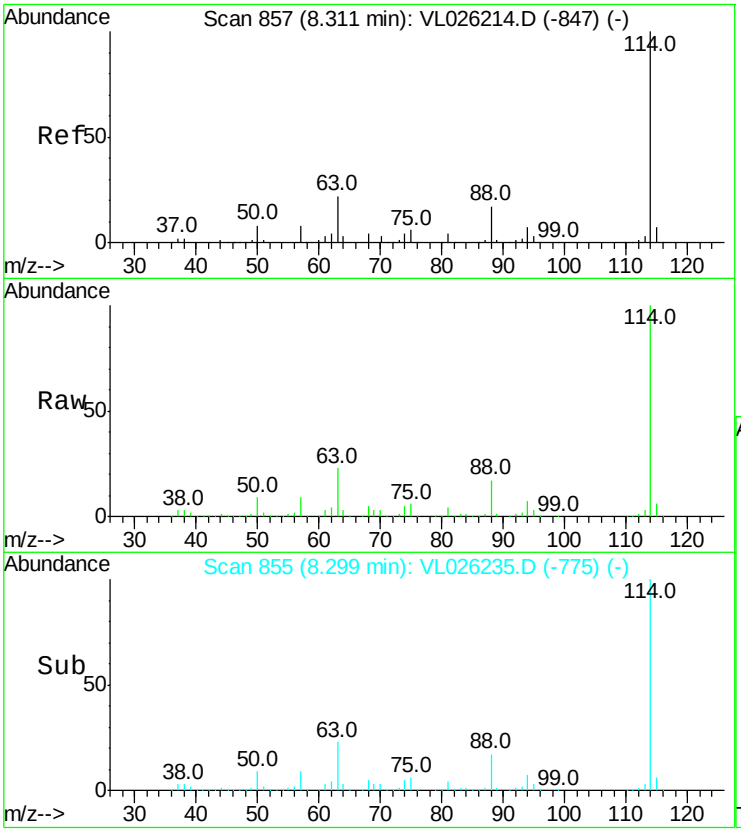


#32
1,1,1-Trichloroethane
Concen: 10.18 ppbv
RT: 7.57 min Scan# 735
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 97 Resp: 1088776

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	45.4	36.2	54.4



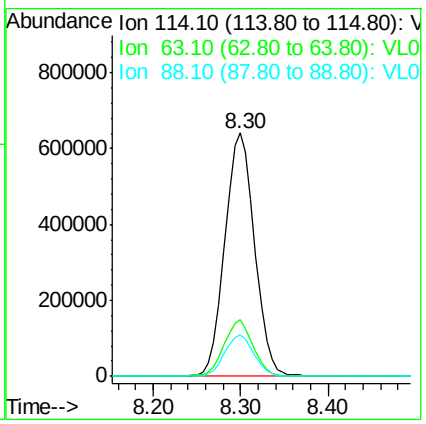


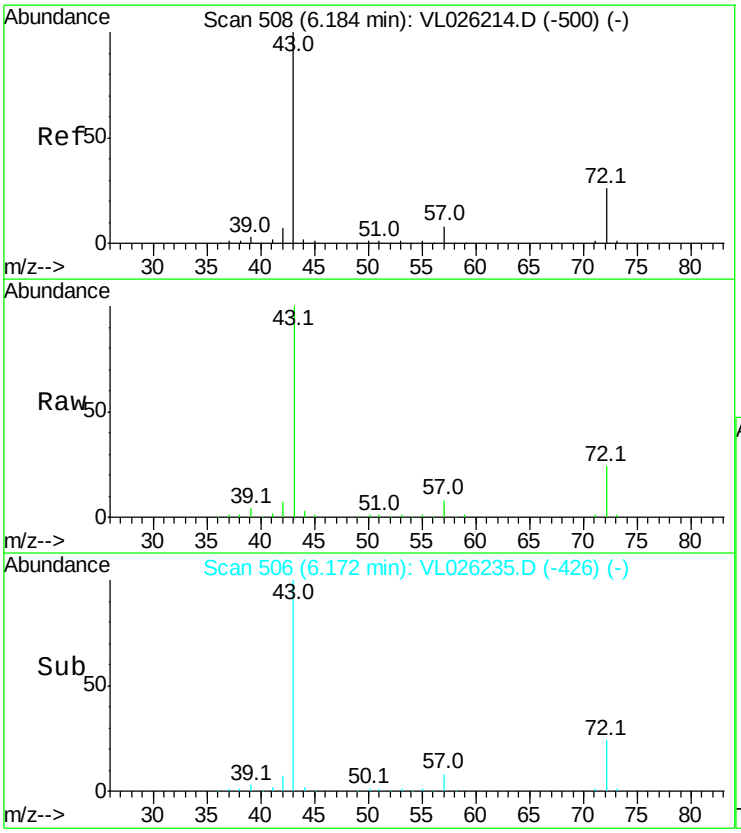
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion:114 Resp: 1511896

Ion	Ratio	Lower	Upper
114	100		
63	22.9	18.2	27.4
88	16.8	13.5	20.3

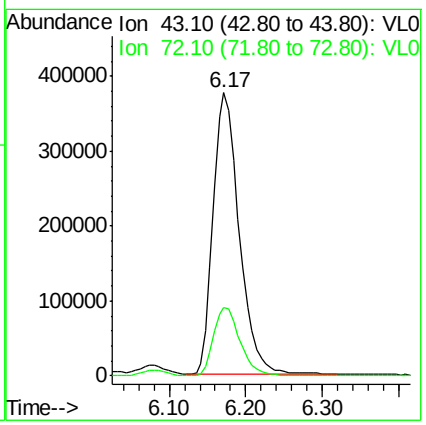


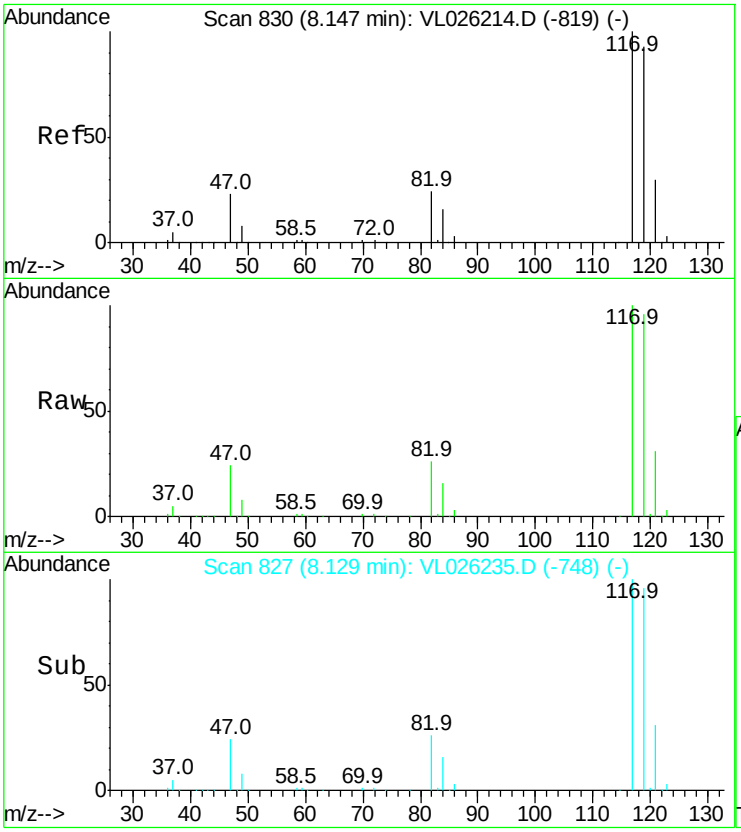


#34
2-Butanone
Concen: 10.41 ppbv
RT: 6.17 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 43 Resp: 889695

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1



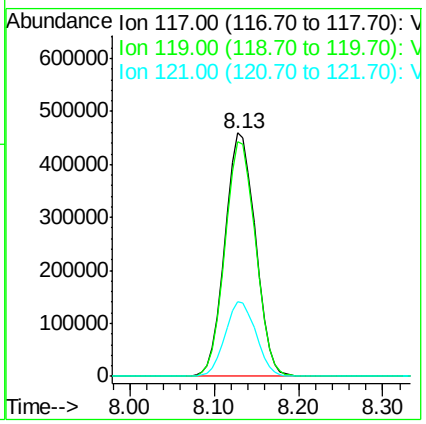


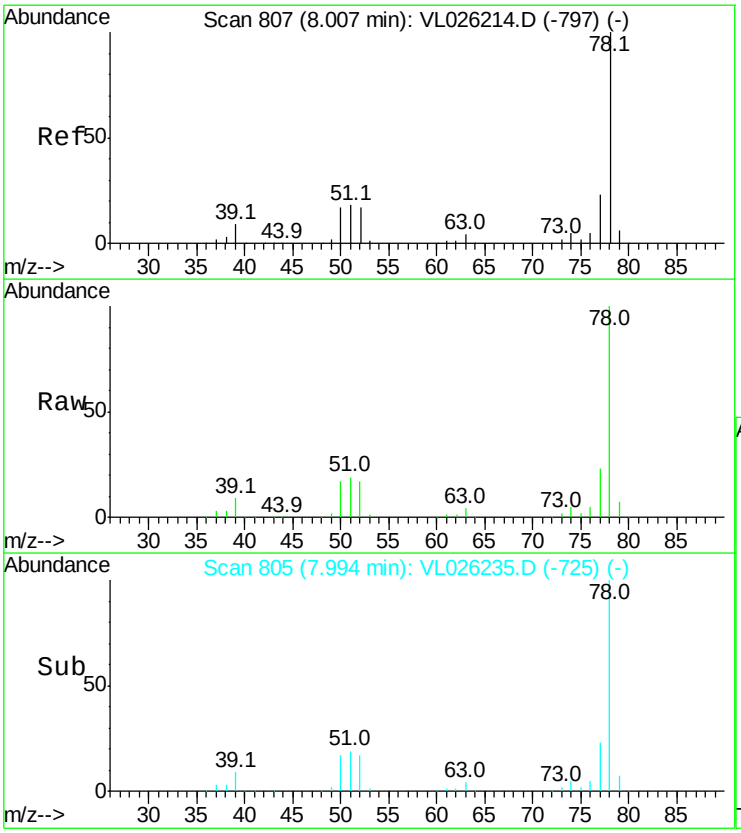
#35
Carbon Tetrachloride
Concen: 9.82 ppbv
RT: 8.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:117 Resp: 1131368

Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.6	111.8
121	30.8	24.2	36.2

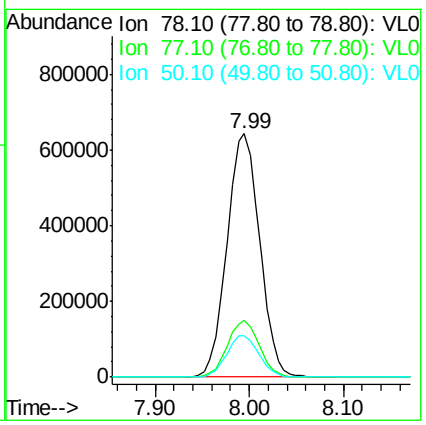


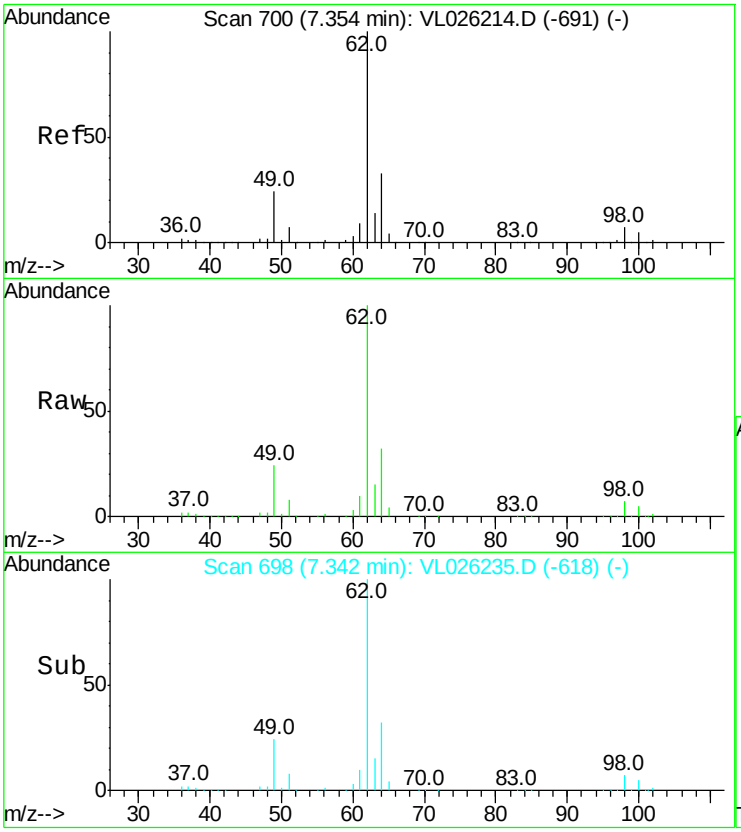


#36
Benzene
Concen: 10.05 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 78 Resp: 1546852

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.1	27.1
50	17.0	13.8	20.8



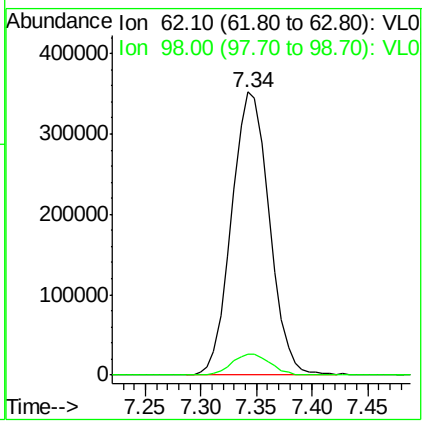


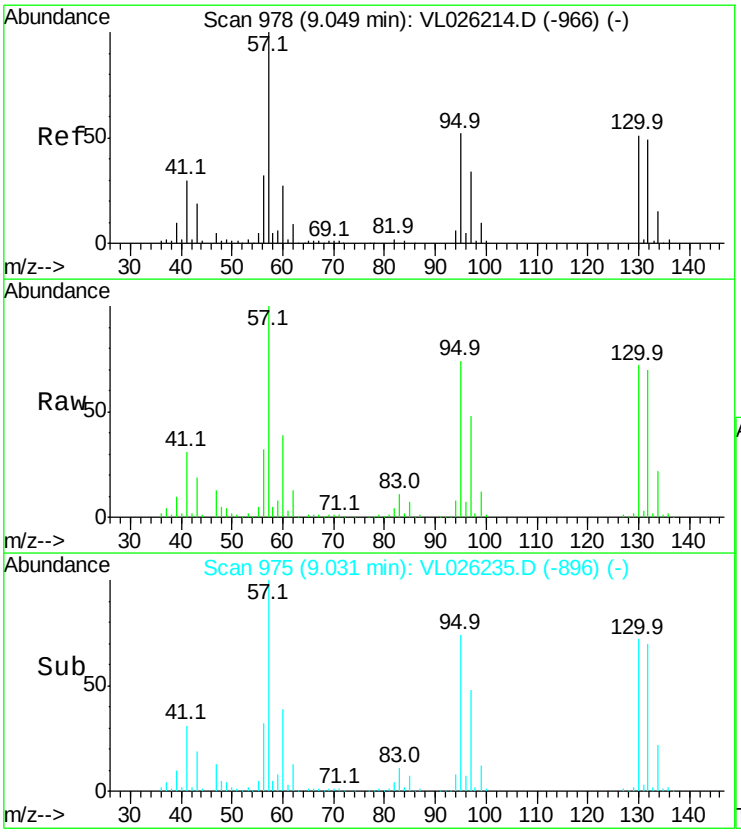
#37
1,2-Dichloroethane
Concen: 10.49 ppbv
RT: 7.34 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 62 Resp: 830286

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1

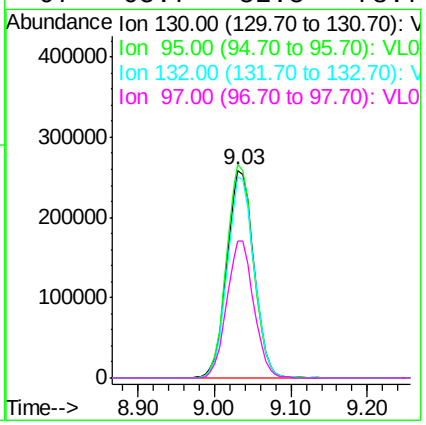


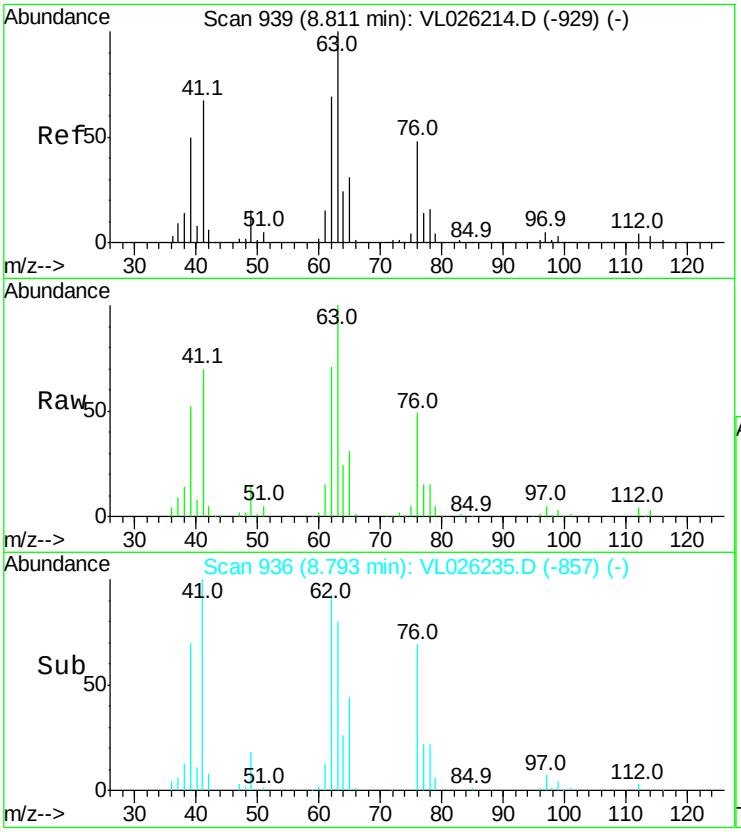


#38
Trichloroethene
Concen: 8.47 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:130 Resp: 632408

Ion	Ratio	Lower	Upper
130	100		
95	102.8	81.0	121.4
132	96.6	76.5	114.7
97	65.7	52.5	78.7



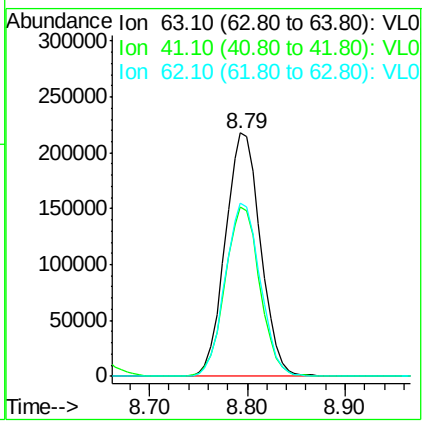


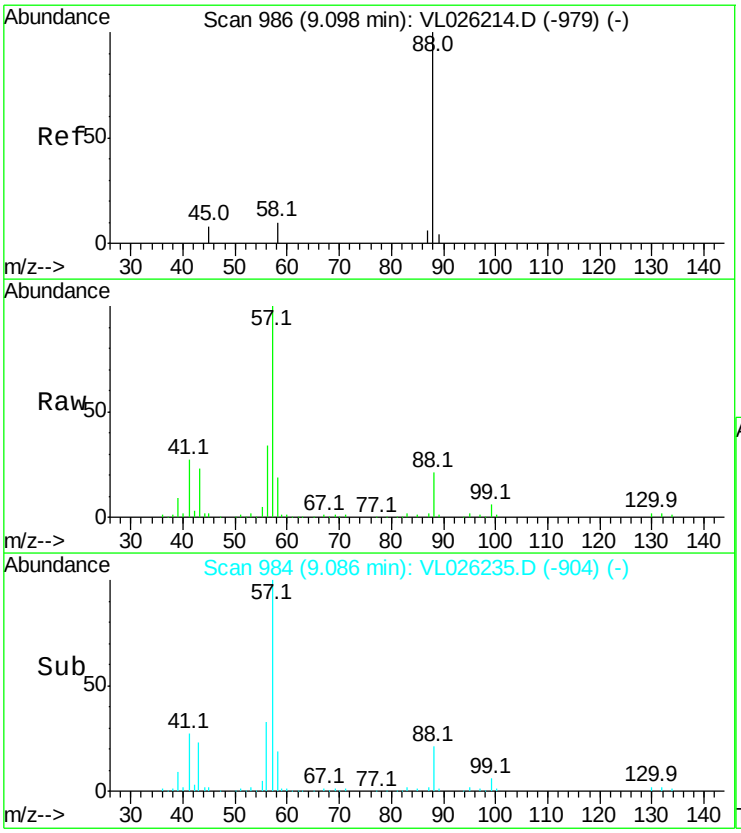
#39
1,2-Dichloropropane
Concen: 10.06 ppbv
RT: 8.79 min Scan# 936
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 63 Resp: 544489

Ion	Ratio	Lower	Upper
63	100		
41	69.3	53.2	79.8
62	71.2	55.4	83.2

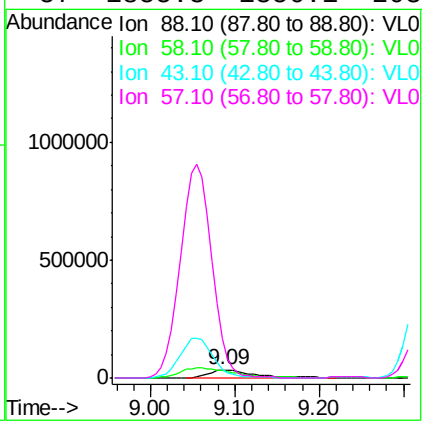


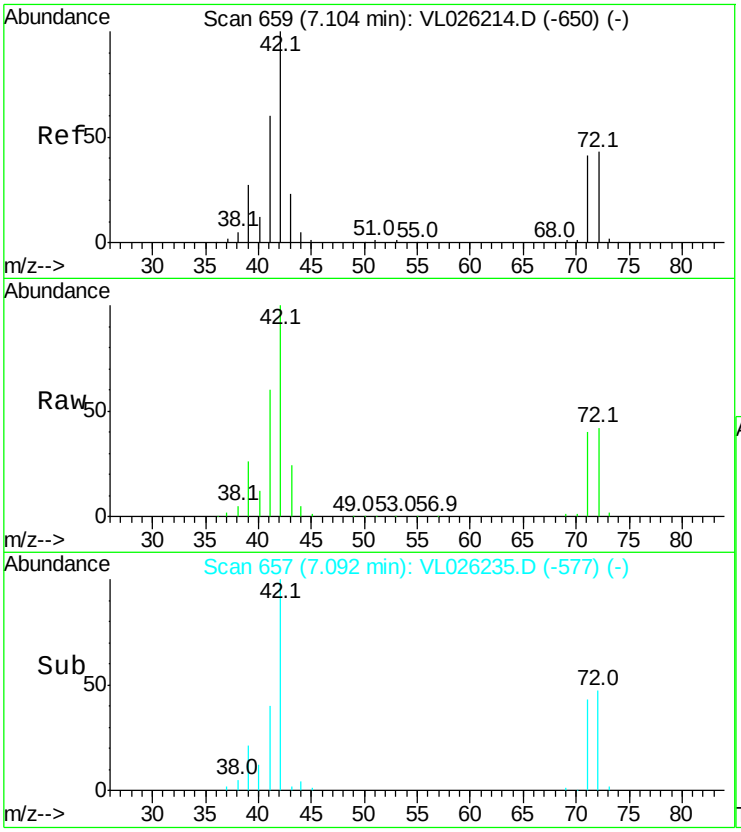


#40
1,4-Dioxane
Concen: 12.56 ppbv
RT: 9.09 min Scan# 984
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 88 Resp: 127869

Ion	Ratio	Lower	Upper
88	100		
58	151.5	115.4	173.2
43	372.5	272.6	409.0
57	1855.3	1356.1	2034.1



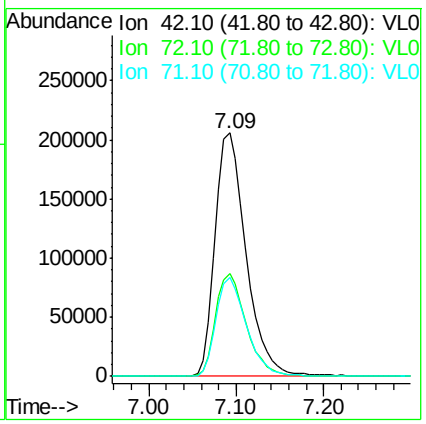


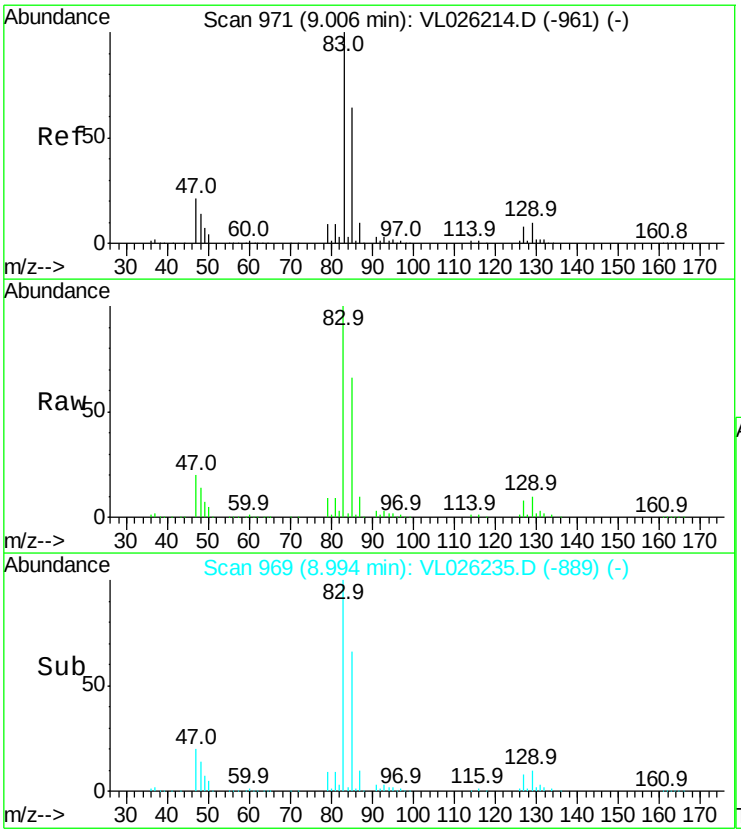
#41
Tetrahydrofuran
Concen: 10.26 ppbv
RT: 7.09 min Scan# 657
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 42 Resp: 507558

Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.3	51.5
71	40.1	32.1	48.1

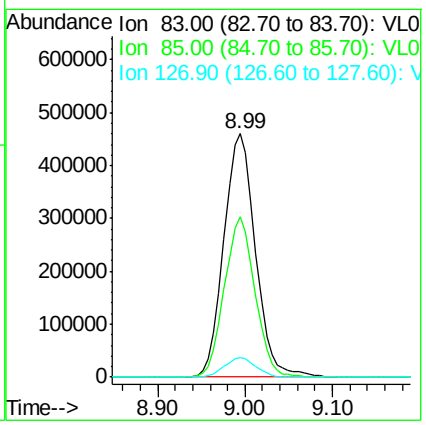


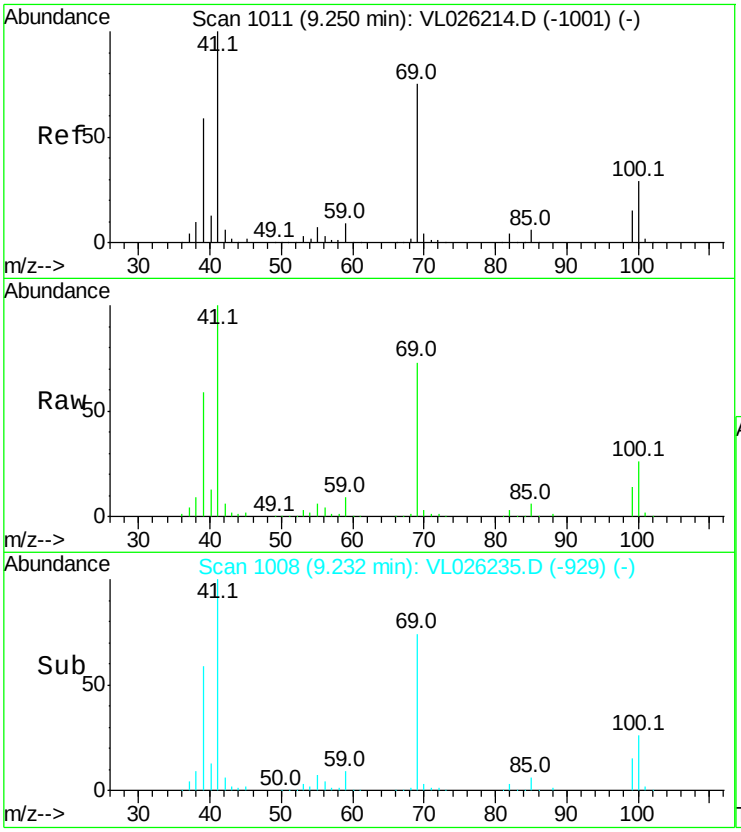


#42
Bromodichloromethane
Concen: 10.19 ppbv
RT: 8.99 min Scan# 969
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 83 Resp: 1159907

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3
127	8.2	6.2	9.4



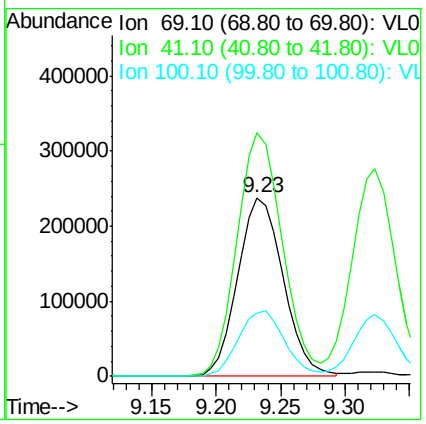


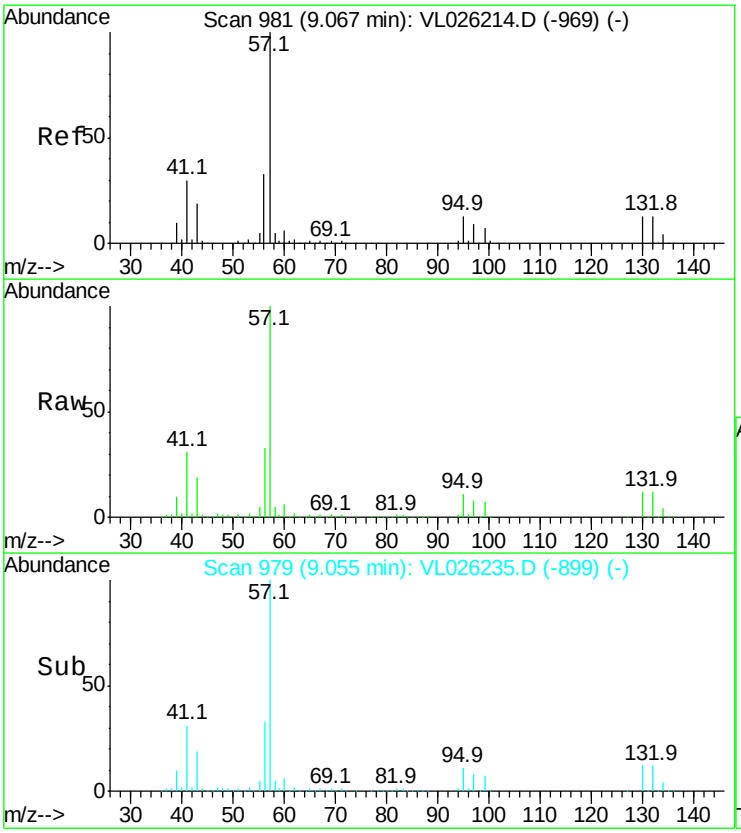
#43
Methyl Methacrylate
Concen: 10.43 ppbv
RT: 9.23 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 69 Resp: 584694

Ion	Ratio	Lower	Upper
69	100		
41	136.9	108.4	162.6
100	37.6	30.6	45.8

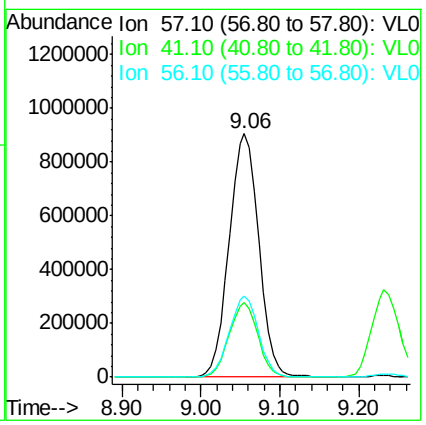


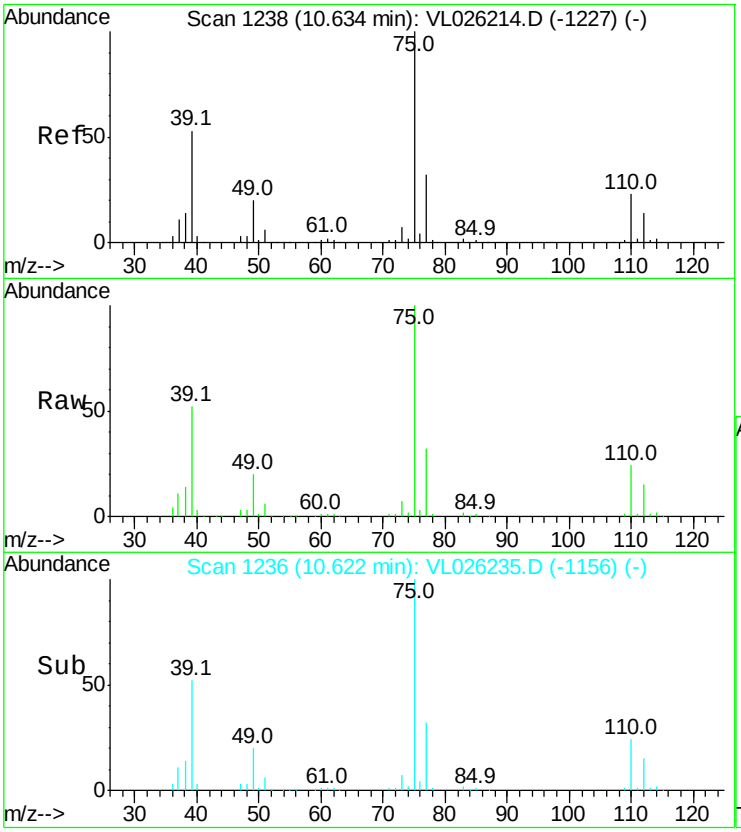


#44
2,2,4-Trimethylpentane
Concen: 9.52 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 57 Resp: 2372355

Ion	Ratio	Lower	Upper
57	100		
41	29.6	23.7	35.5
56	32.5	25.9	38.9



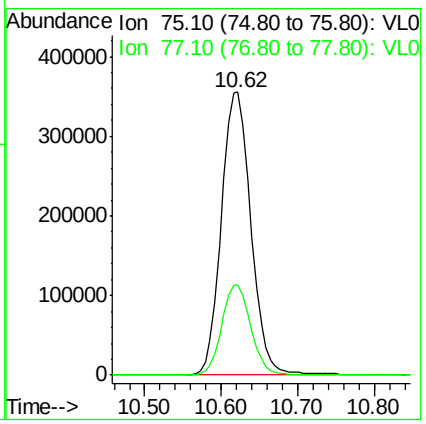


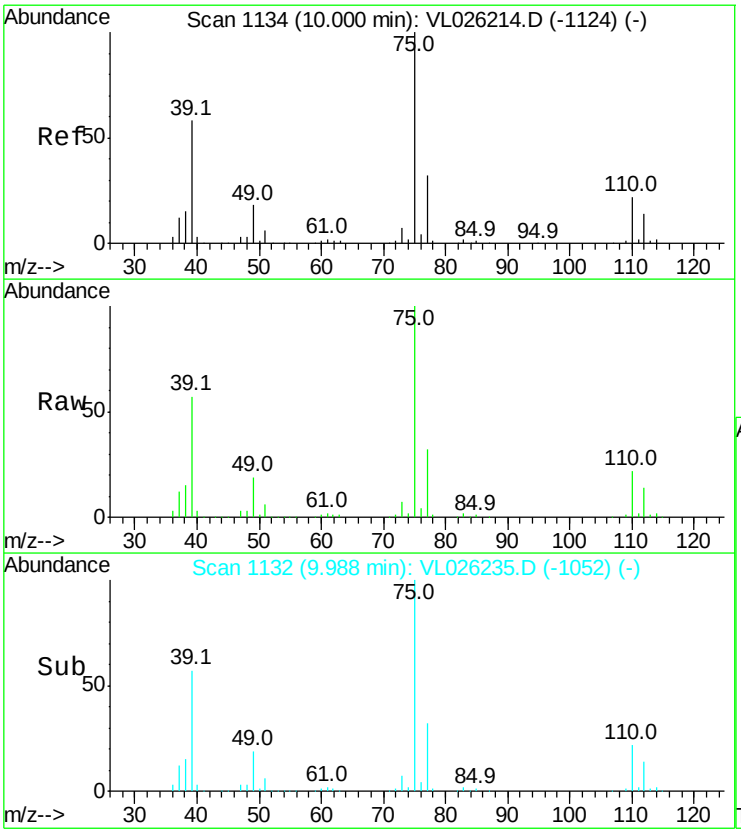
#45
t-1,3-Dichloropropene
Concen: 10.87 ppbv
RT: 10.62 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 75 Resp: 950701

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8

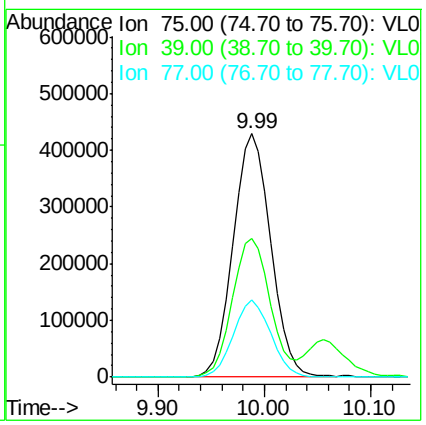


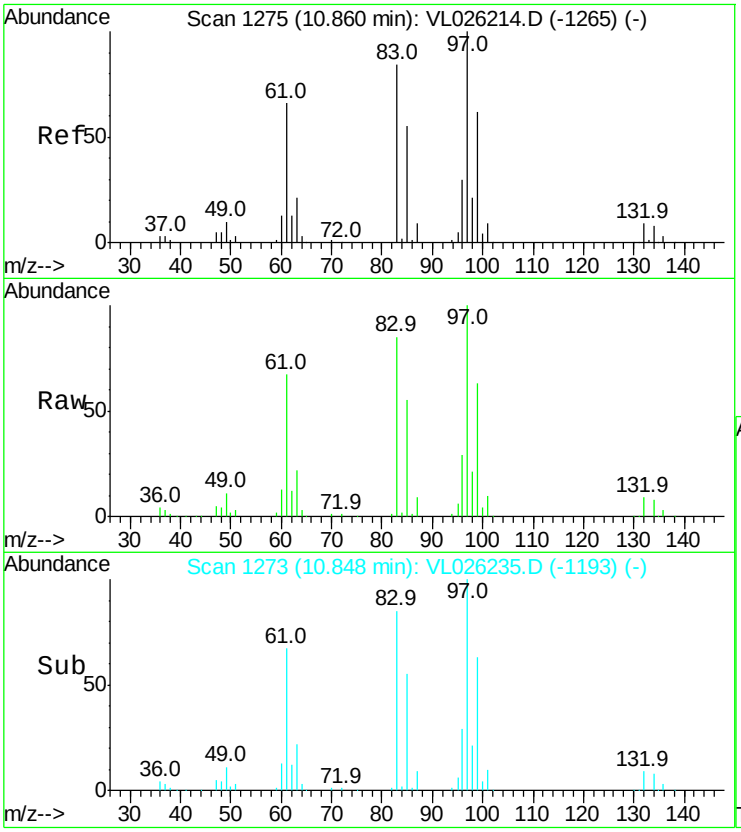


#46
cis-1,3-Dichloropropene
Concen: 10.43 ppbv
RT: 9.99 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 75 Resp: 1067621

Ion	Ratio	Lower	Upper
75	100		
39	57.2	46.2	69.4
77	31.5	25.4	38.0



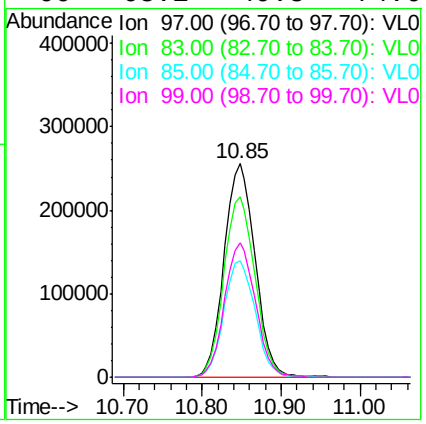


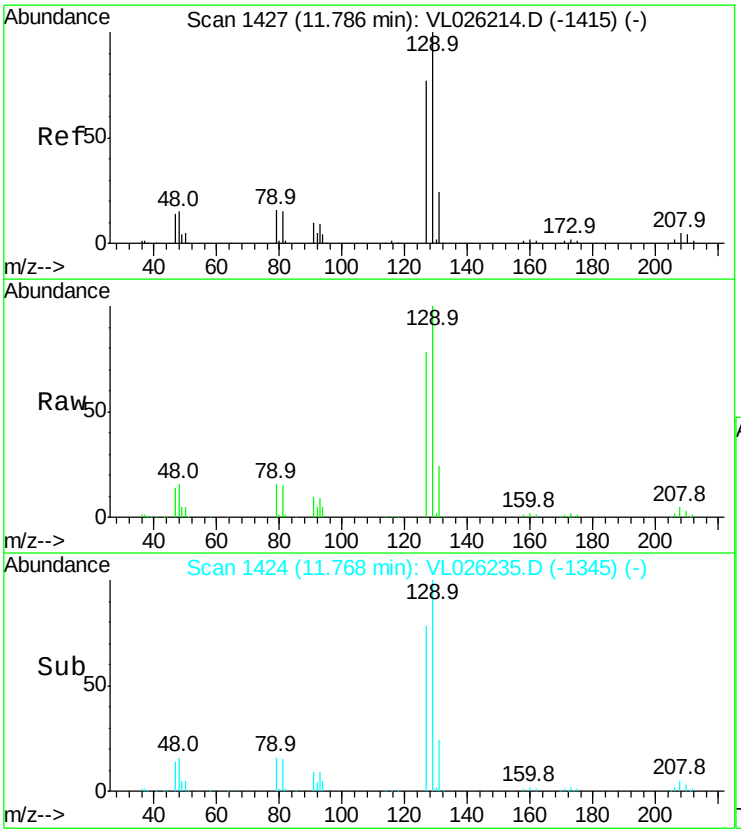
#47
1,1,2-Trichloroethane
Concen: 10.31 ppbv
RT: 10.85 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion: 97 Resp: 701480

Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	54.6	43.8	65.6
99	63.1	49.8	74.6

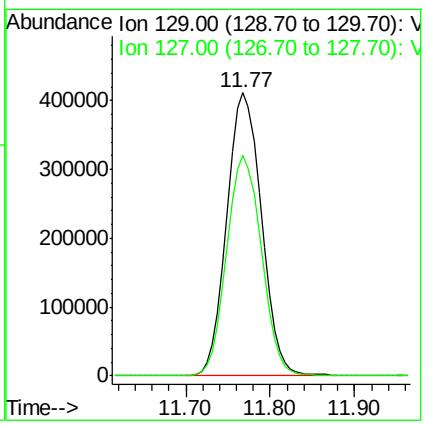


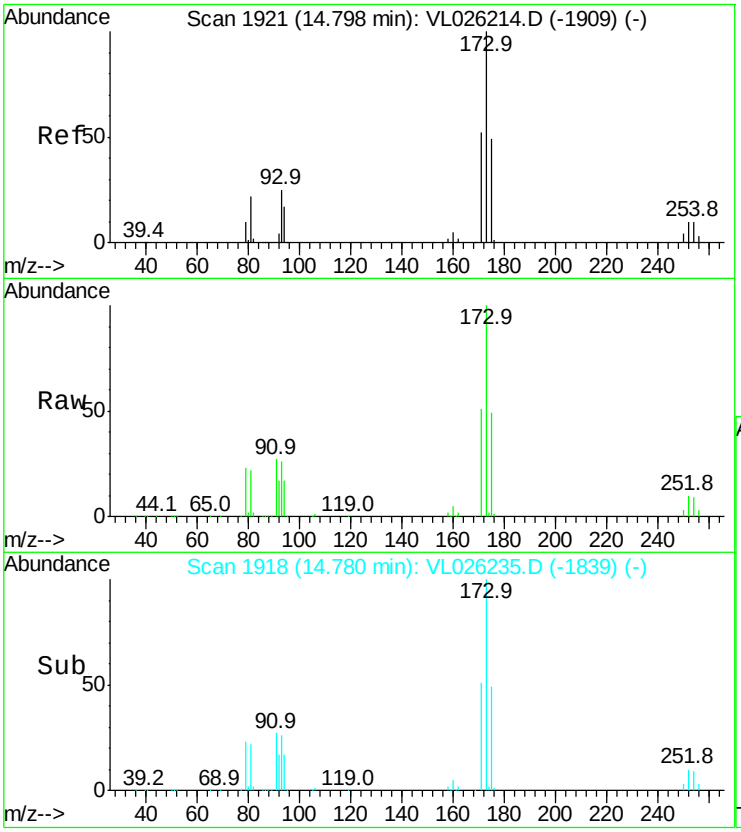


#48
Dibromochloromethane
Concen: 10.40 ppbv
RT: 11.77 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:129 Resp: 1153505

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.5



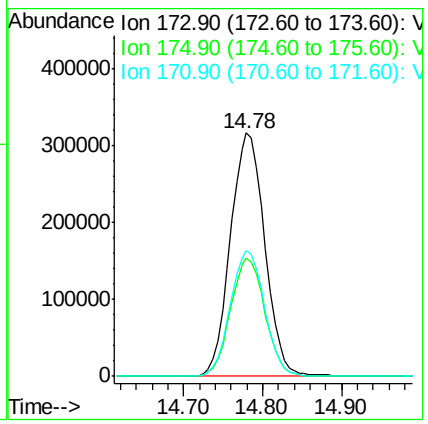


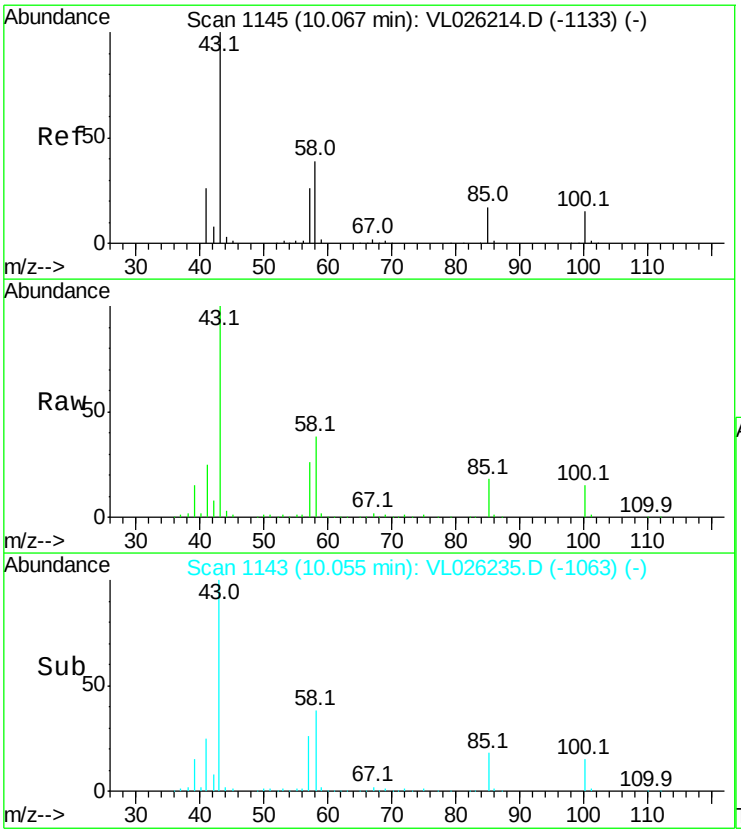
#49
Bromoform
Concen: 10.25 ppbv
RT: 14.78 min Scan# 1918
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:173 Resp: 959568

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
171	51.6	41.6	62.4

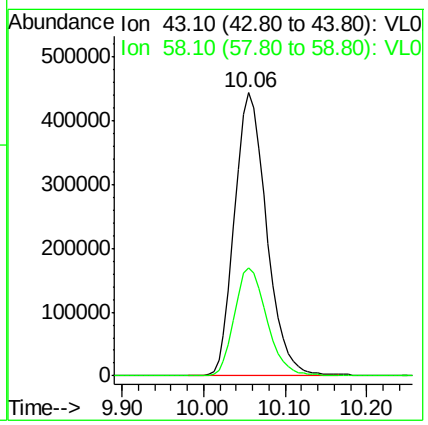


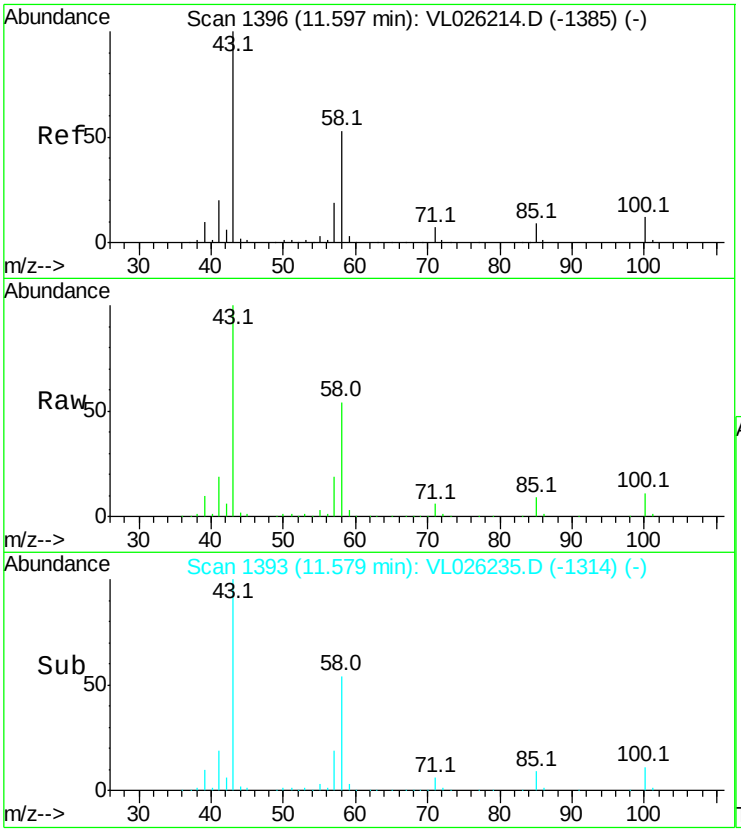


#50
4-Methyl-2-Pentanone
Concen: 10.51 ppbv
RT: 10.06 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 43 Resp: 1212169

Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.1	46.7



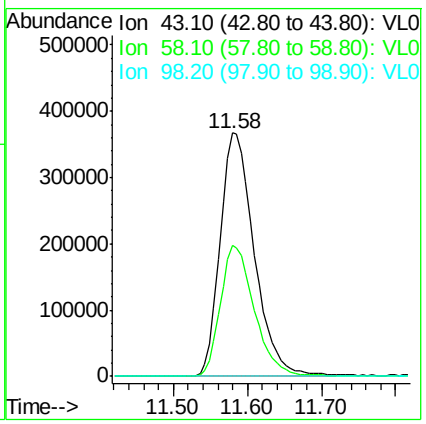


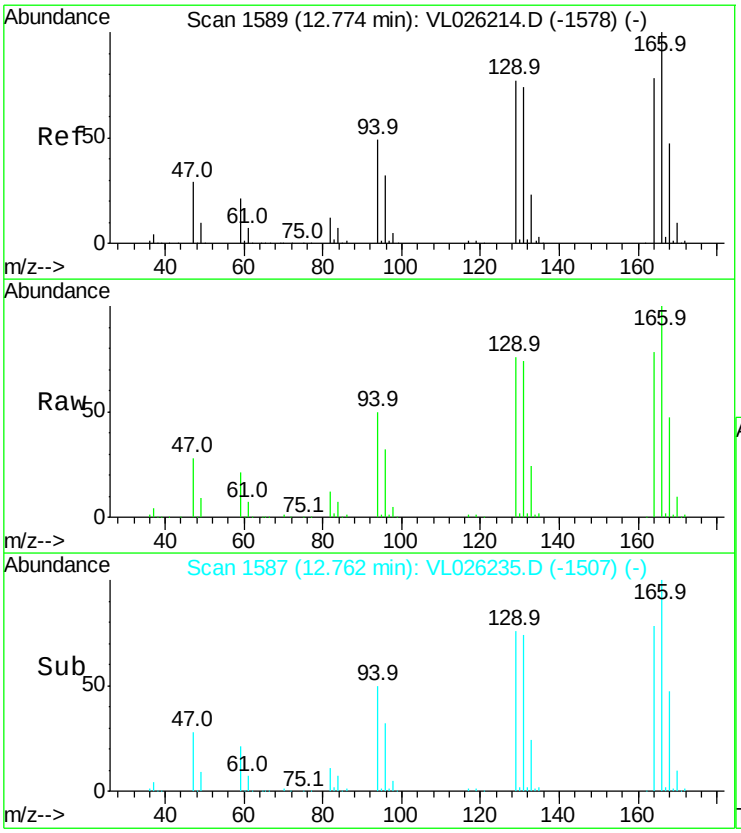
#51
2-Hexanone
Concen: 10.94 ppbv
RT: 11.58 min Scan# 1393
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 43 Resp: 1178771

Ion	Ratio	Lower	Upper
43	100		
58	53.6	43.2	64.8
98	0.0	0.0	0.0

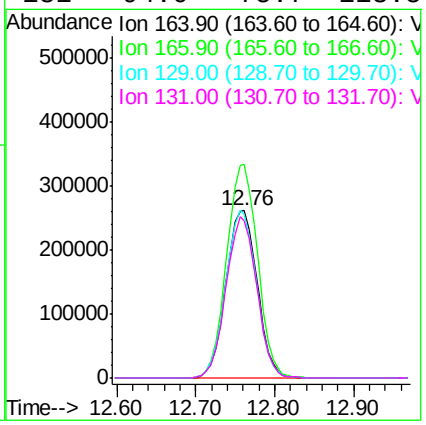


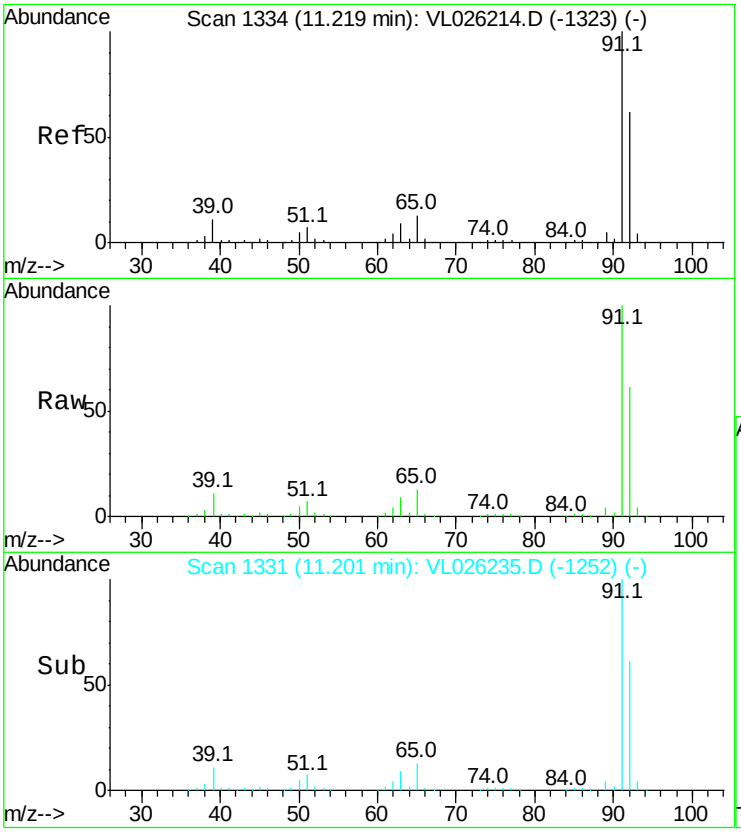


#52
Tetrachloroethene
Concen: 8.20 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:164 Resp: 723786

Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.3	153.5
129	97.7	78.2	117.4
131	94.0	75.7	113.5



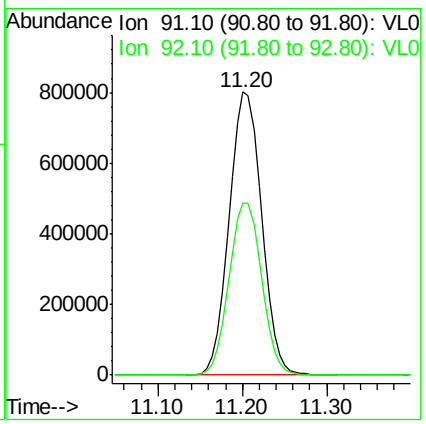


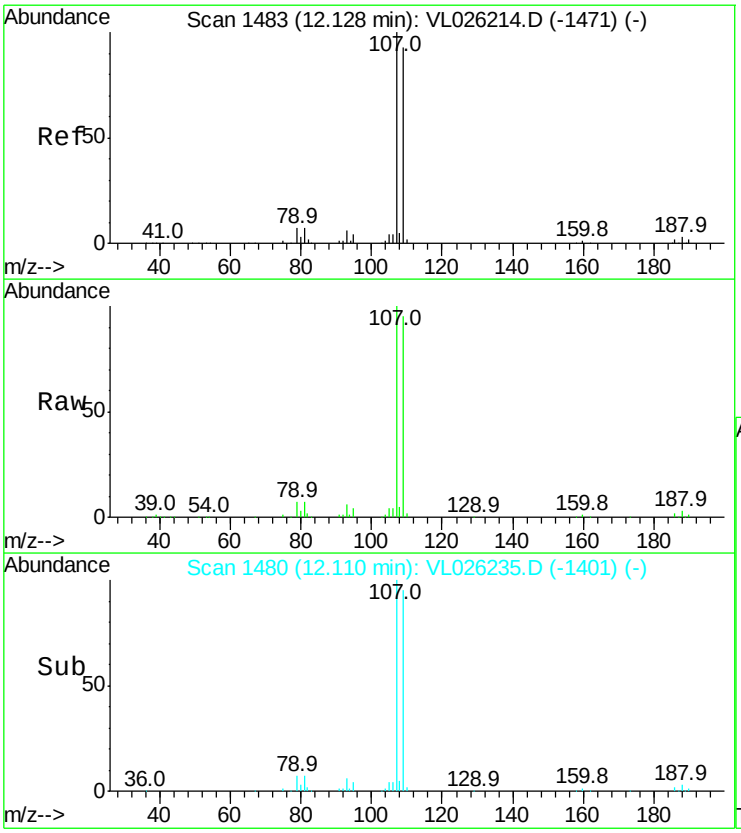
#53
Toluene
Concen: 10.01 ppbv
RT: 11.20 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 91 Resp: 2096177

Ion	Ratio	Lower	Upper
91	100		
92	61.4	49.2	73.8

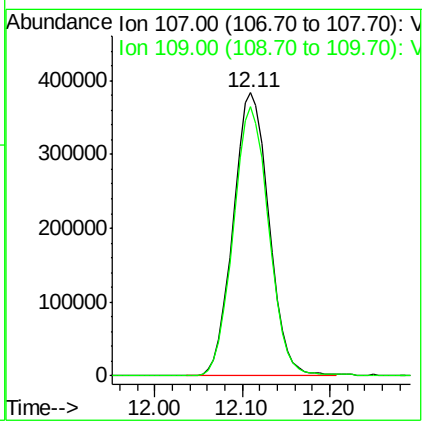


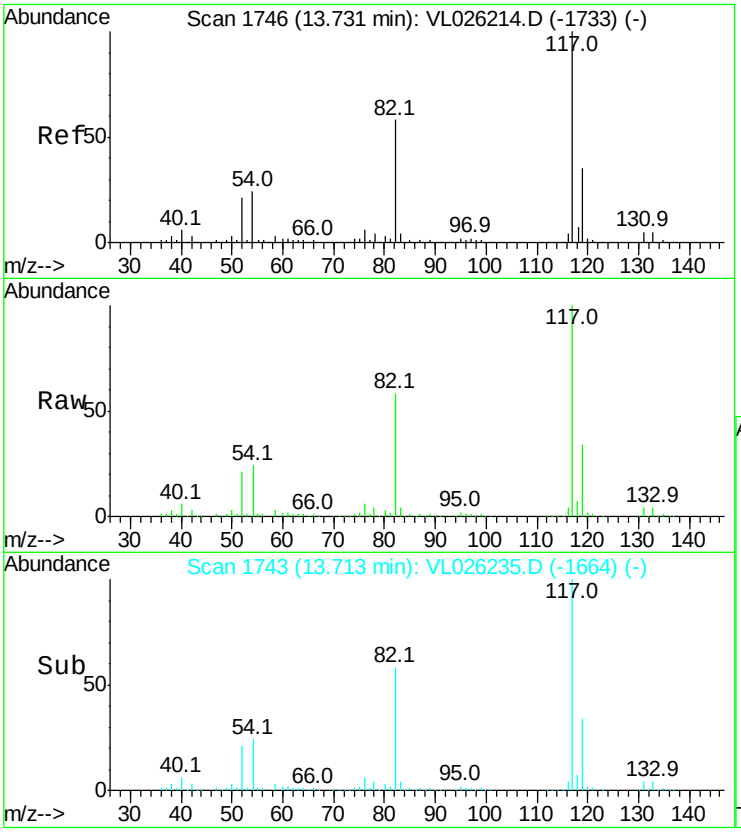


#54
1,2-Dibromoethane
Concen: 10.36 ppbv
RT: 12.11 min Scan# 1480
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:107 Resp: 1090507

Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.7	112.1



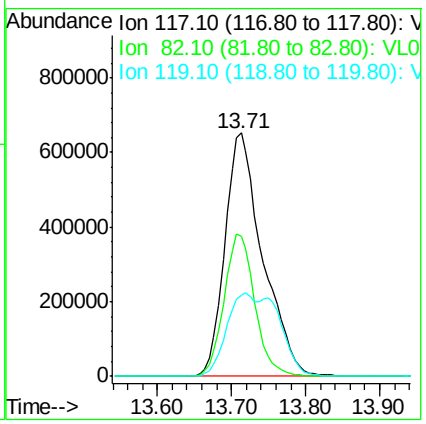


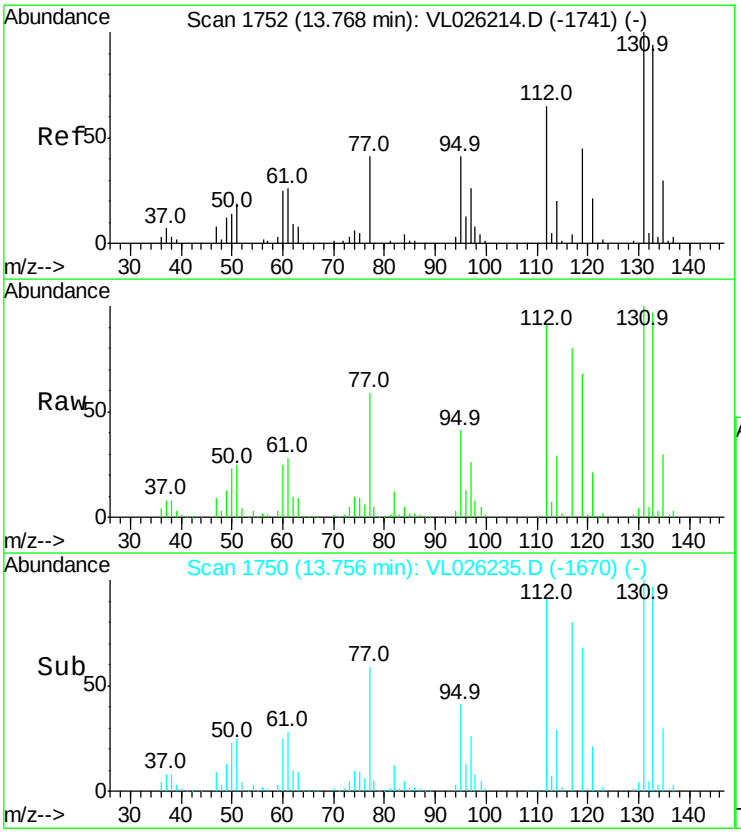
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:117 Resp: 2312517

Ion	Ratio	Lower	Upper
117	100		
82	47.9	45.8	68.8
119	47.7	45.0	67.4

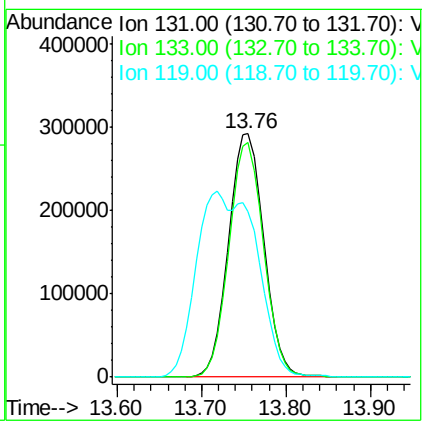


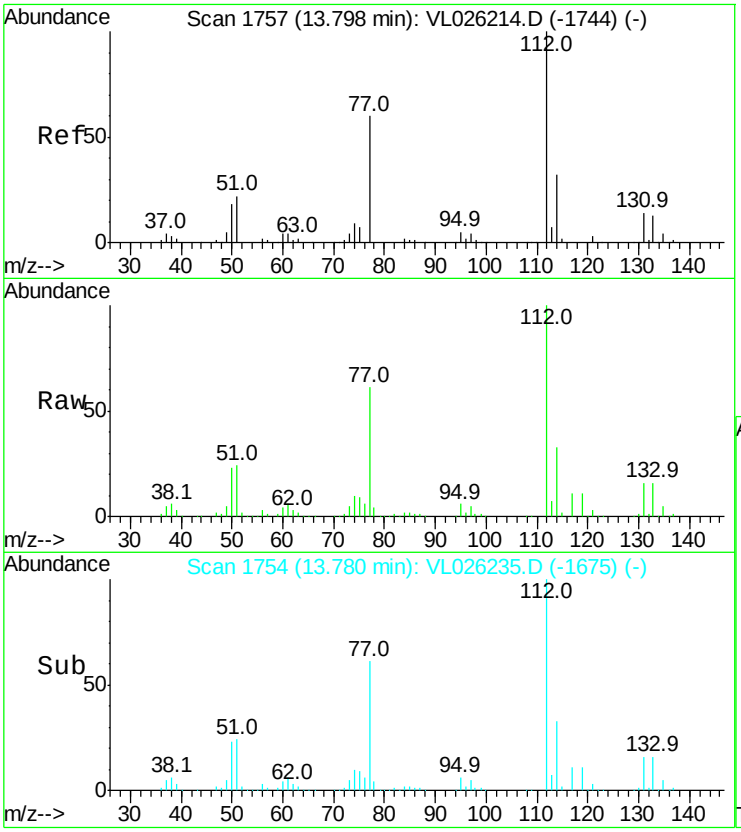


#56
1,1,1,2-Tetrachloroethane
Concen: 7.51 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:131 Resp: 833024

Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.9	113.9
119	132.3	108.0	162.0



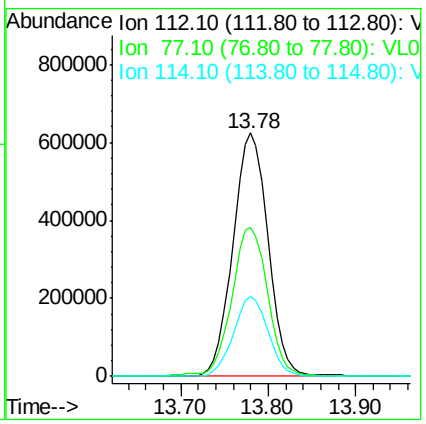


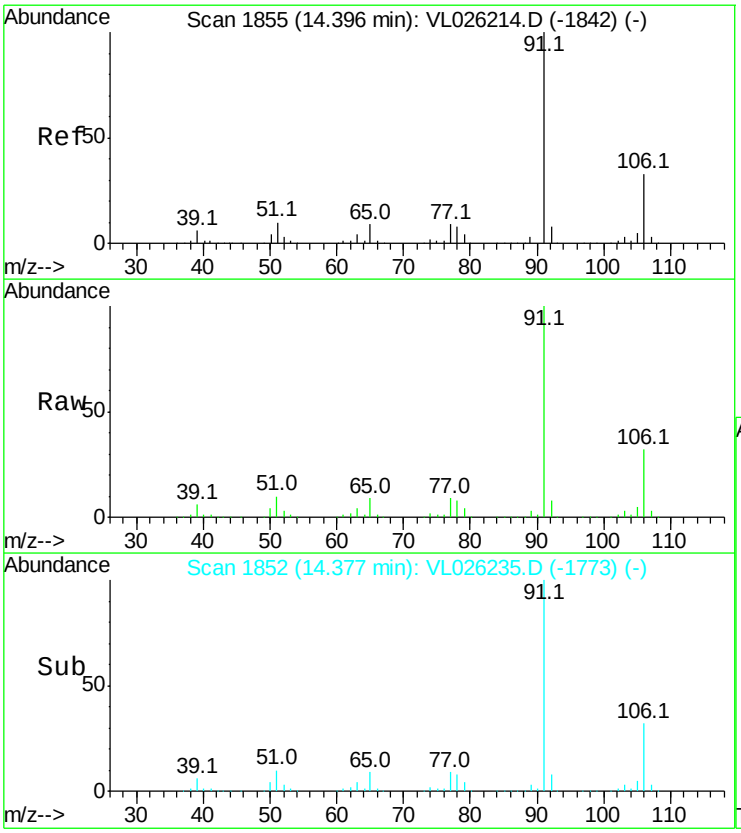
#57
Chlorobenzene
Concen: 7.86 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:112 Resp: 1738745

Ion	Ratio	Lower	Upper
112	100		
77	61.1	48.4	72.6
114	32.6	29.0	35.4

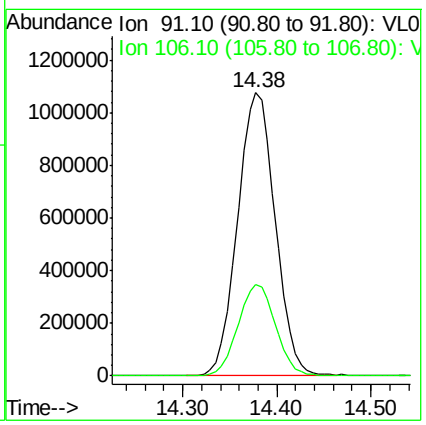


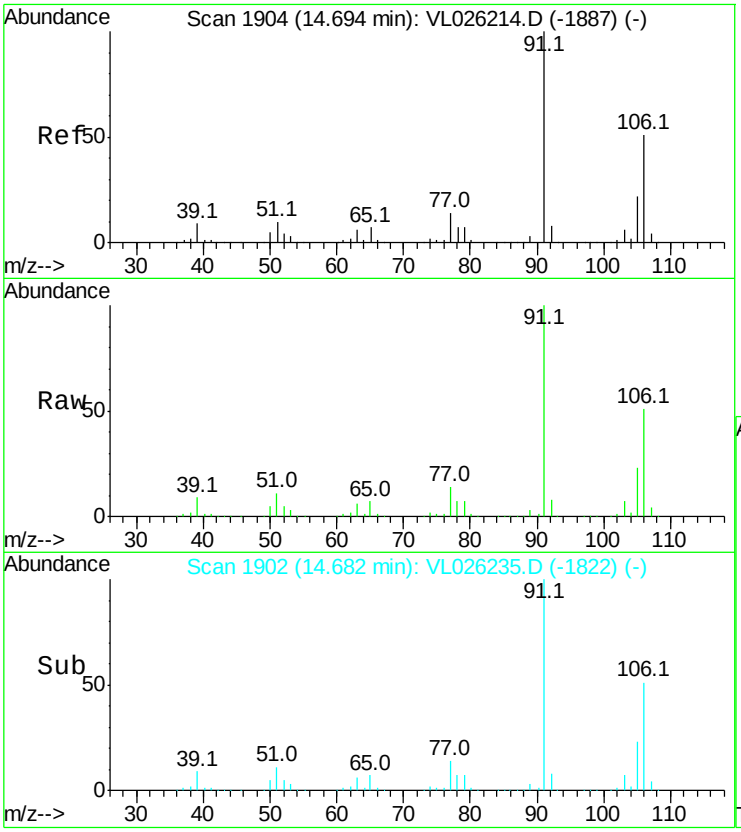


#58
Ethyl Benzene
Concen: 8.03 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 3007759

Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.1	39.1



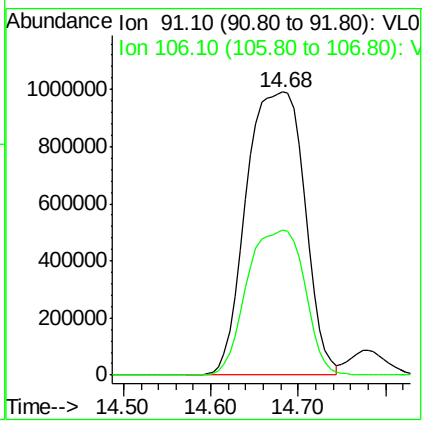


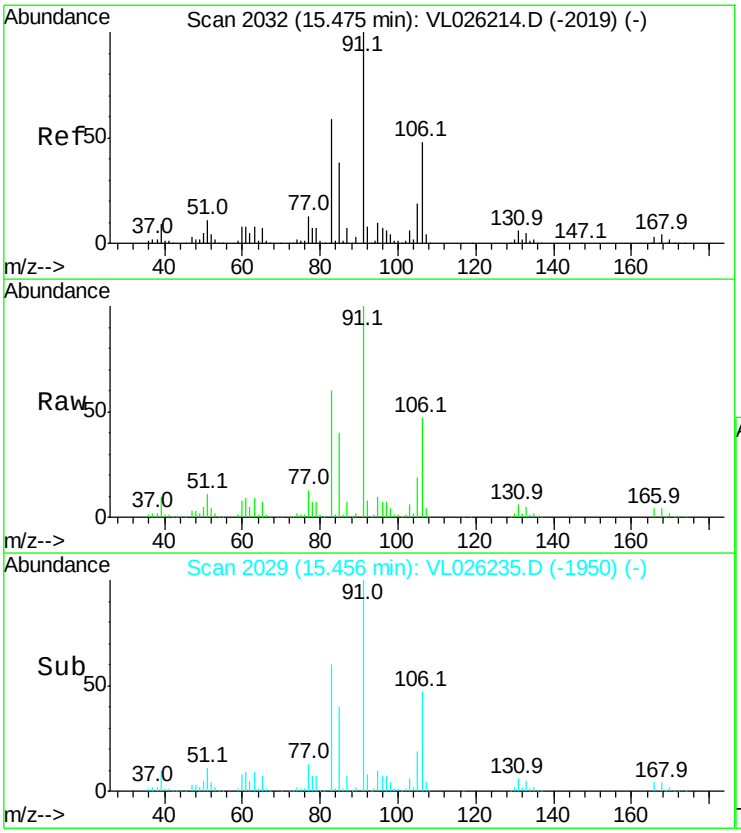
#59
m/p-Xylene
Concen: 15.63 ppbv
RT: 14.68 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 91 Resp: 4585360

Ion	Ratio	Lower	Upper
91	100		
106	50.9	40.6	61.0

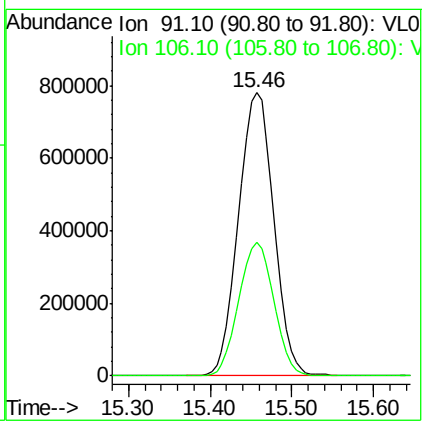


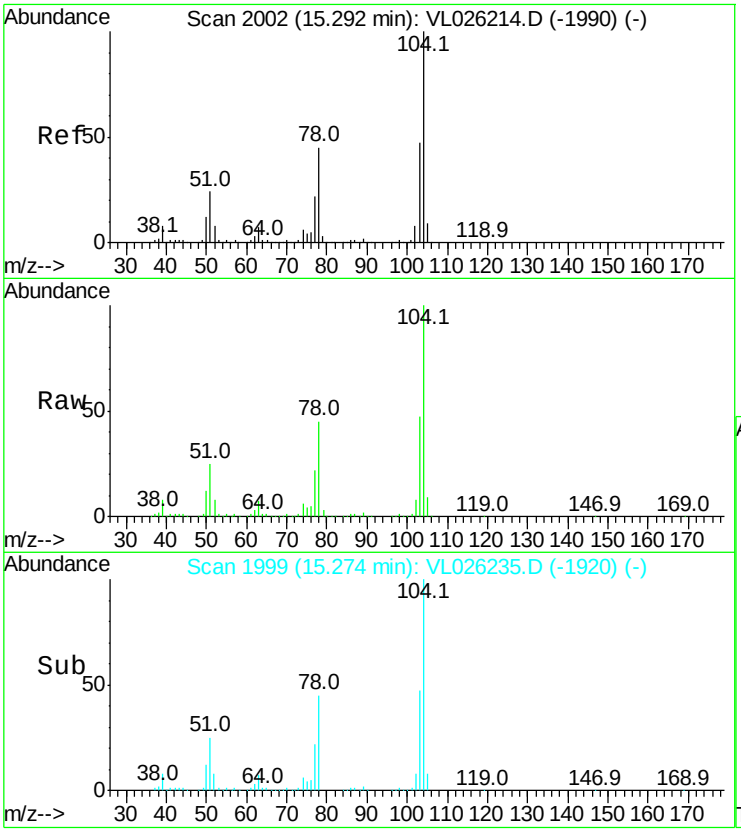


#60
o-Xylene
Concen: 7.67 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 2352519

Ion	Ratio	Lower	Upper
91	100		
106	47.2	23.8	71.5



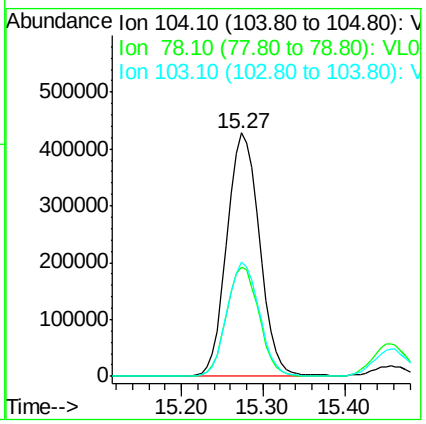


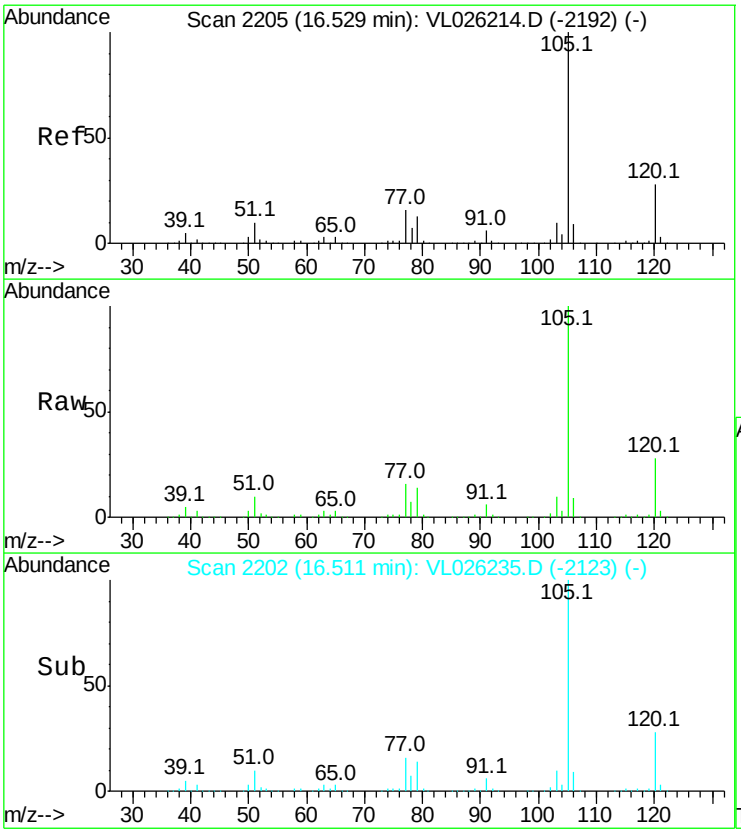
#61
Styrene
Concen: 8.57 ppbv
RT: 15.27 min Scan# 1999
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:104 Resp: 1188756

Ion	Ratio	Lower	Upper
104	100		
78	44.7	35.3	52.9
103	46.4	37.0	55.4

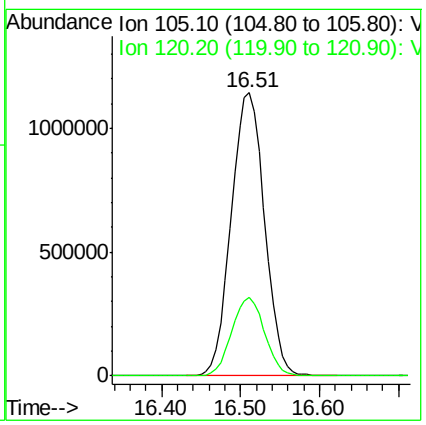


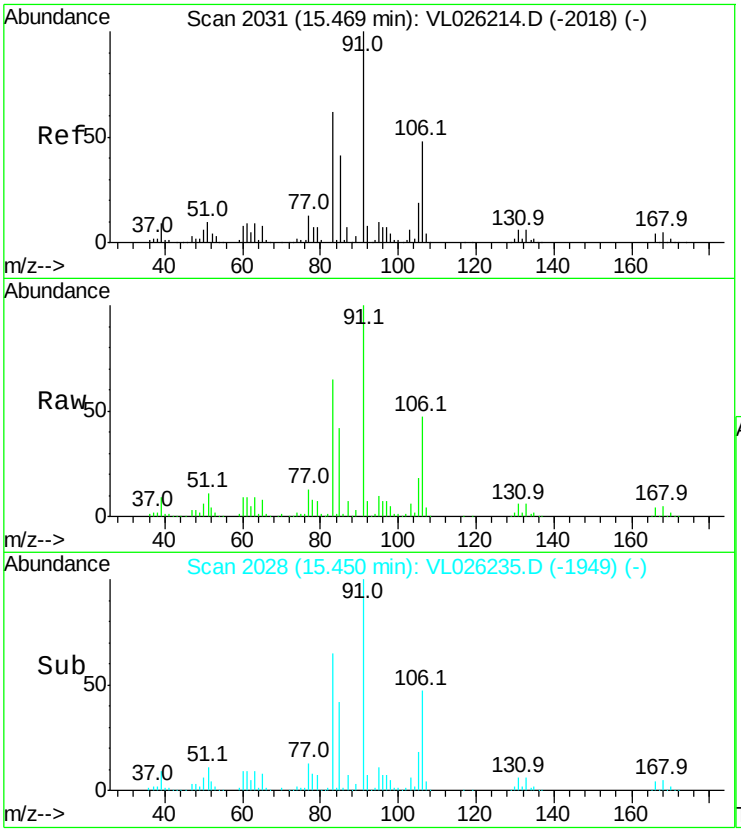


#62
Isopropylbenzene
Concen: 7.89 ppbv
RT: 16.51 min Scan# 2202
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:105 Resp: 3367024

Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.8	32.8



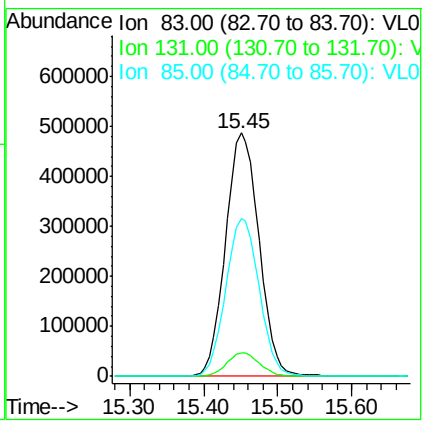


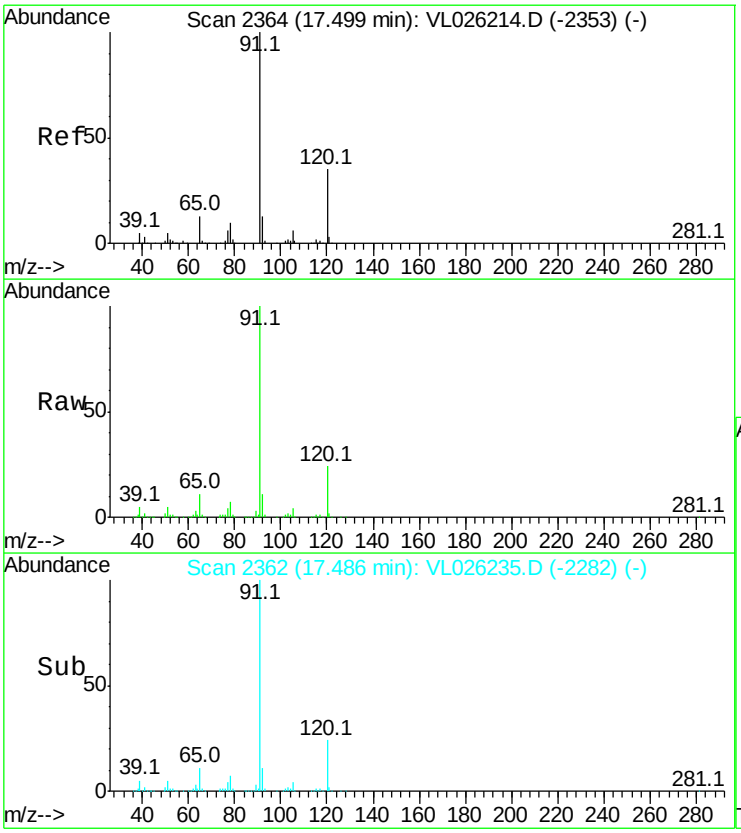
#63
1,1,2,2-Tetrachloroethane
Concen: 7.58 ppbv
RT: 15.45 min Scan# 2028
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 83 Resp: 1537072

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.8	32.3	96.9

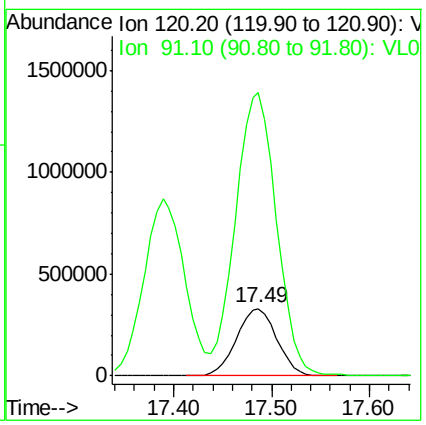


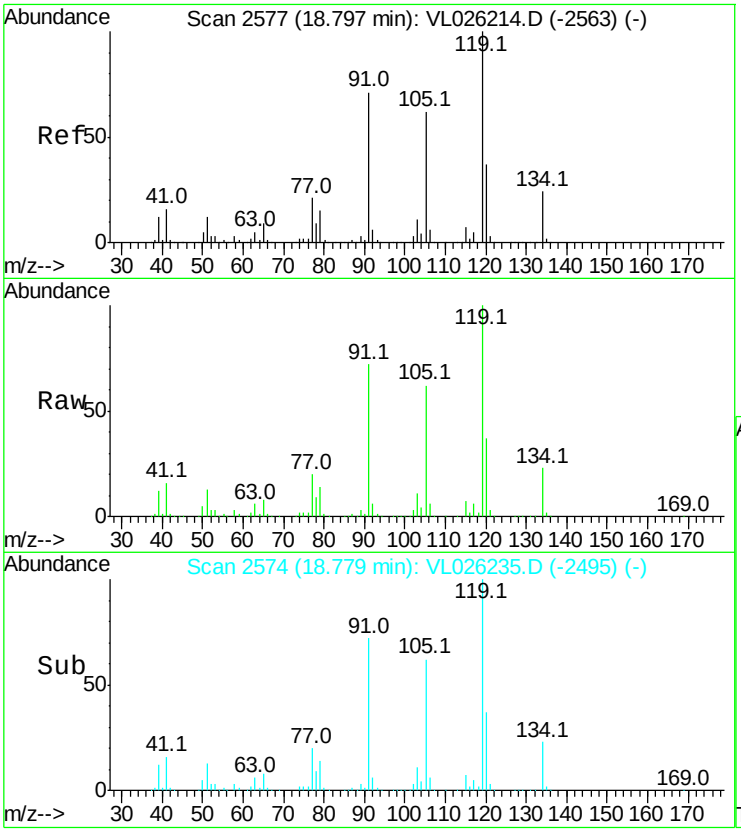


#64
n-propylbenzene
Concen: 8.06 ppbv
RT: 17.49 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:120 Resp: 945343

Ion	Ratio	Lower	Upper
120	100		
91	431.5	331.7	497.5



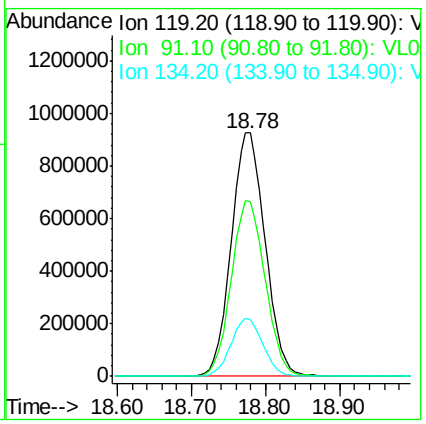


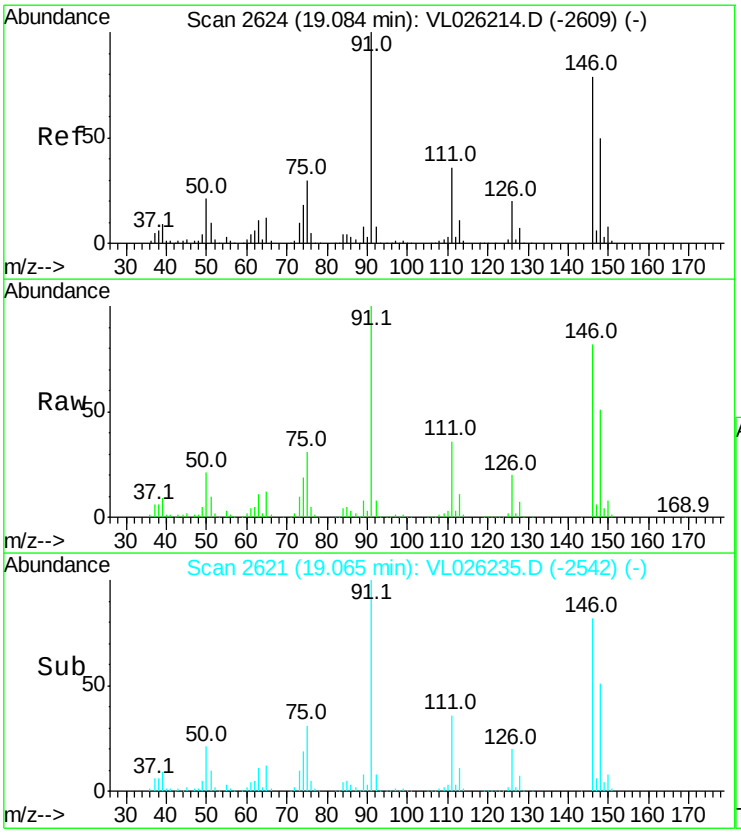
#65
tert-Butylbenzene
Concen: 7.57 ppbv
RT: 18.78 min Scan# 2574
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion:119 Resp: 2950739

Ion	Ratio	Lower	Upper
119	100		
91	72.4	57.5	86.3
134	22.5	18.1	27.1

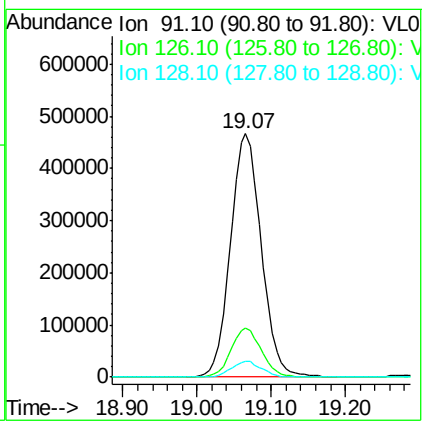


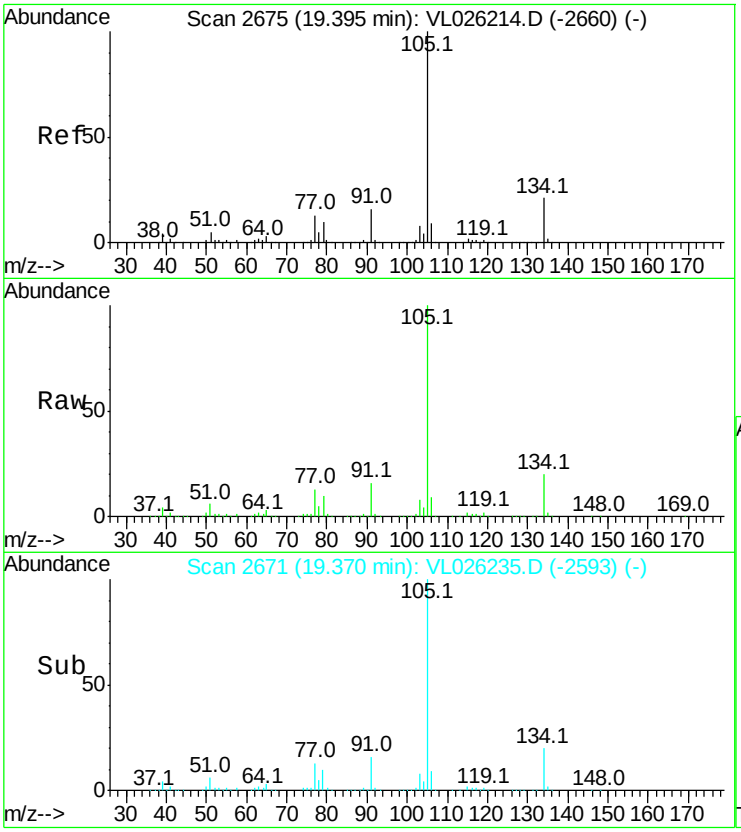


#66
Benzyl Chloride
Concen: 8.37 ppbv
RT: 19.07 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 1345023

Ion	Ratio	Lower	Upper
91	100		
126	20.1	16.2	24.2
128	6.4	5.1	7.7



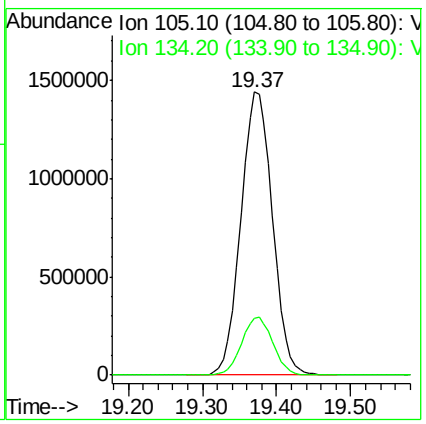


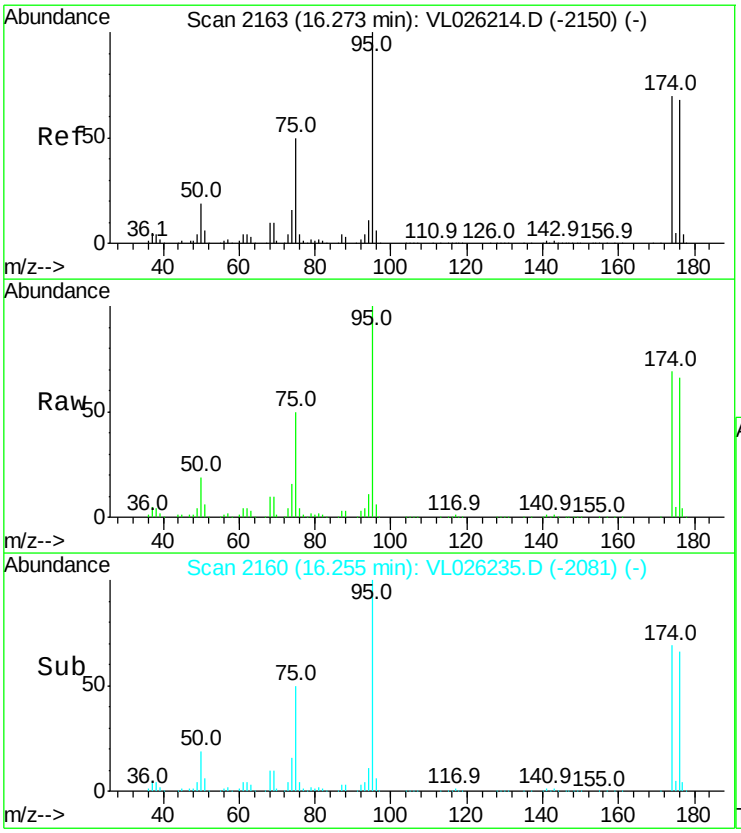
#67
sec-Butylbenzene
Concen: 7.91 ppbv
RT: 19.37 min Scan# 2671
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion:105 Resp: 4292954

Ion	Ratio	Lower	Upper
105	100		
134	20.3	16.2	24.4

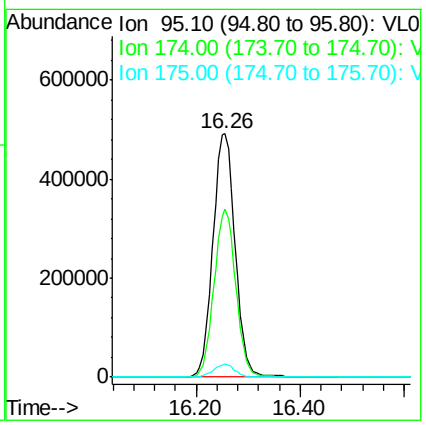


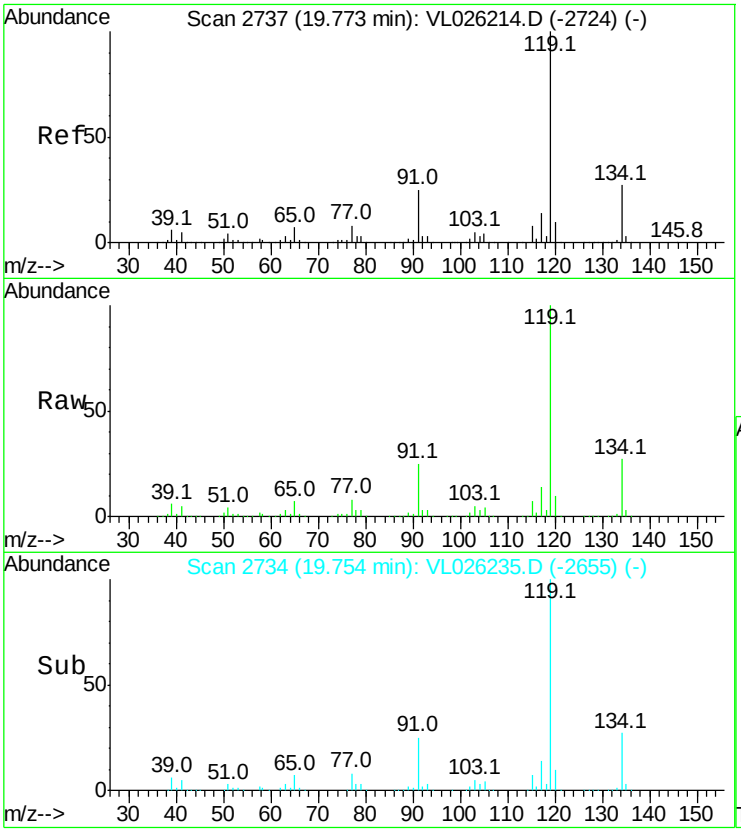


#68
1-Bromo-4-Fluorobenzene
Concen: 8.26 ppbv
RT: 16.26 min Scan# 2160
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 95 Resp: 1473140

Ion	Ratio	Lower	Upper
95	100		
174	67.7	55.8	83.8
175	5.1	4.3	6.5



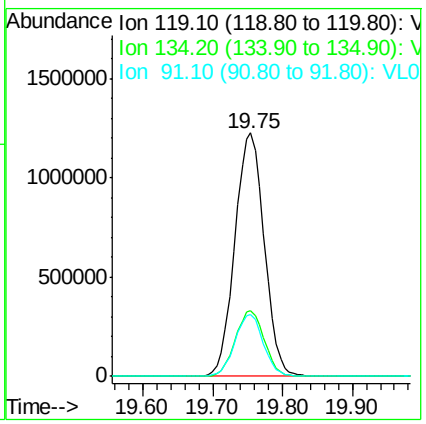


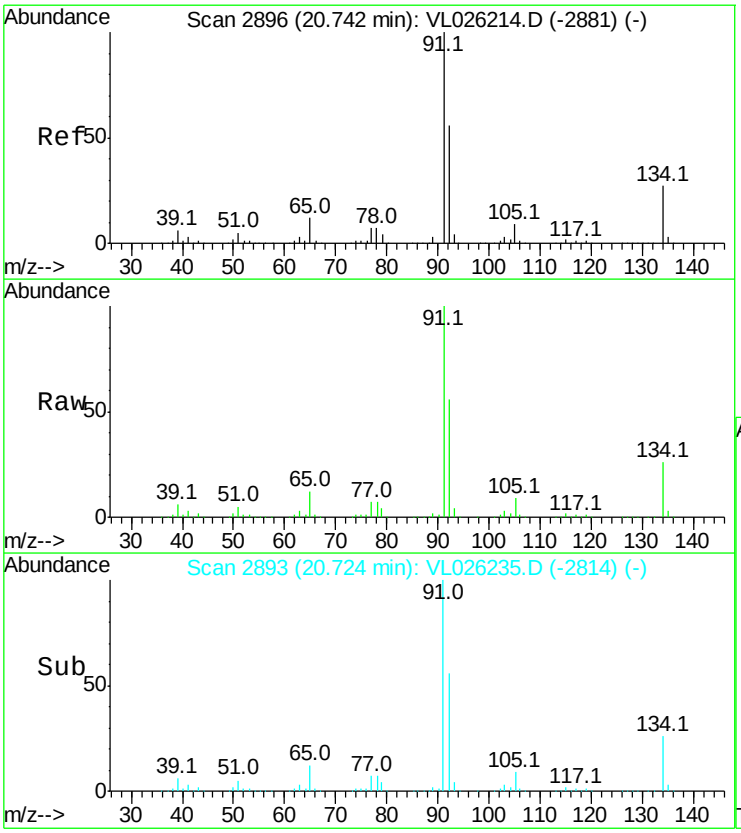
#69
p-Isopropyltoluene
Concen: 7.85 ppbv
RT: 19.75 min Scan# 2734
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:119 Resp: 3564200

Ion	Ratio	Lower	Upper
119	100		
134	26.9	21.4	32.0
91	24.7	19.5	29.3

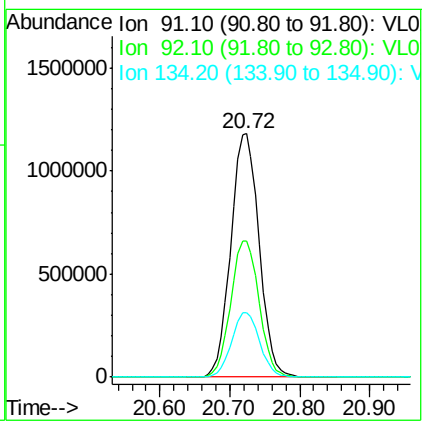


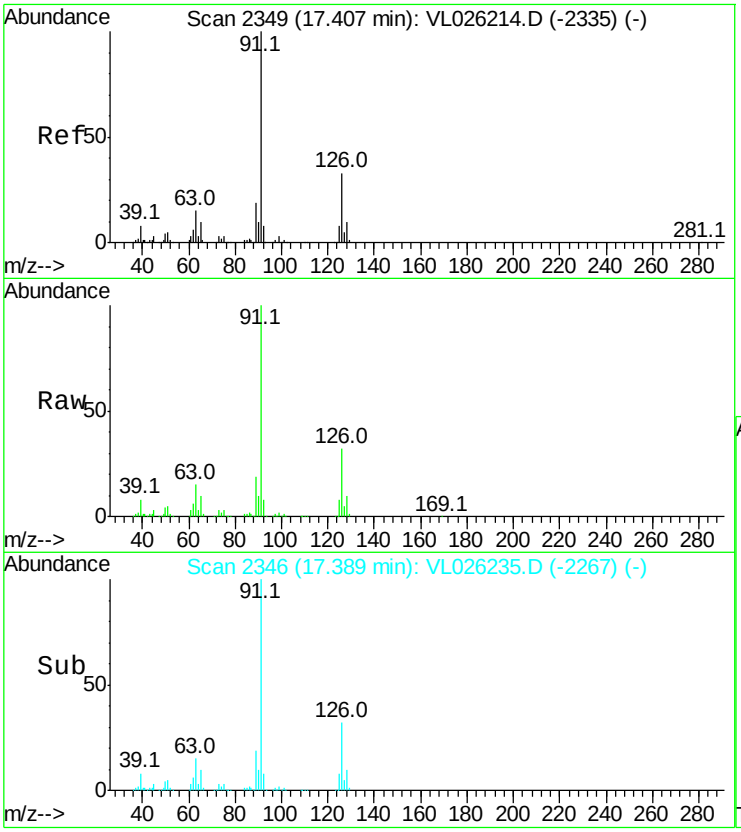


#70
n-Butylbenzene
Concen: 8.00 ppbv
RT: 20.72 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion: 91 Resp: 3318424

Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.0	67.6
134	26.2	21.4	32.0



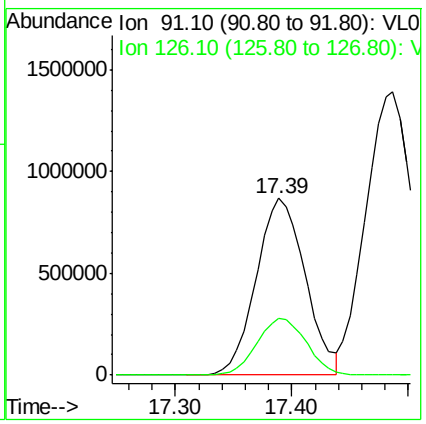


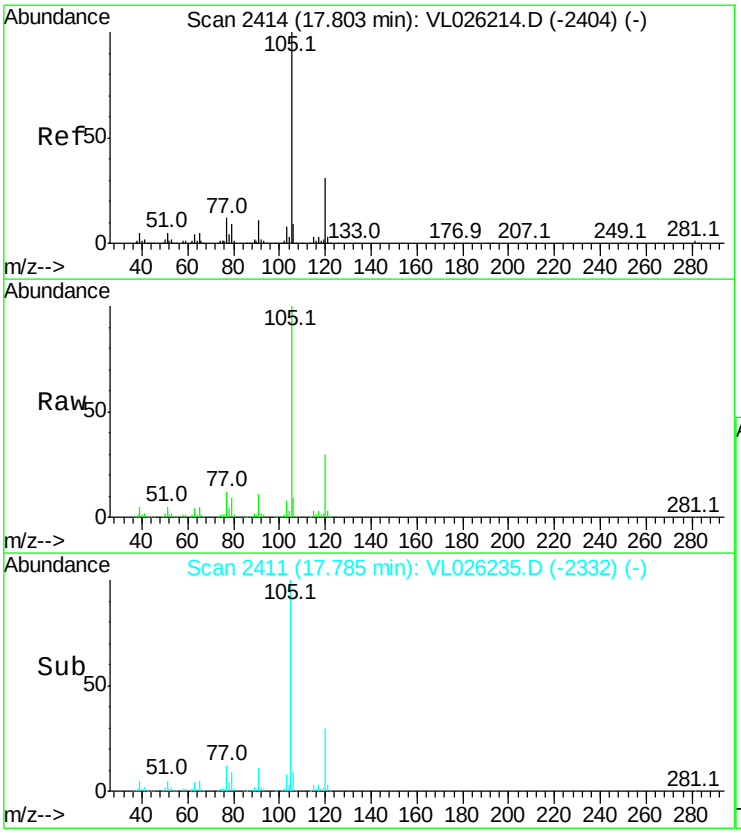
#71
2-Chlorotoluene
Concen: 8.11 ppbv
RT: 17.39 min Scan# 2346
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion: 91 Resp: 2548495

Ion	Ratio	Lower	Upper
91	100		
126	32.4	12.9	51.7

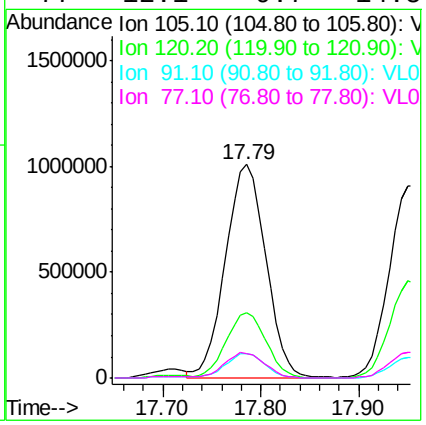


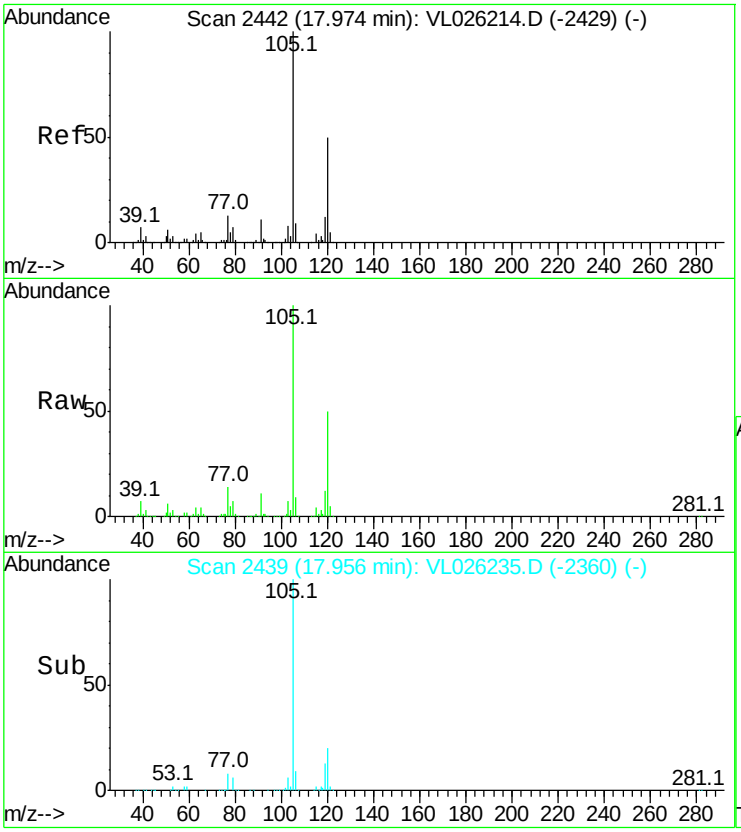


#72
4-Ethyltoluene
Concen: 8.13 ppbv
RT: 17.79 min Scan# 2411
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:105 Resp: 2903238

Ion	Ratio	Lower	Upper
105	100		
120	31.6	25.2	37.8
91	11.8	9.0	13.6
77	12.1	9.7	14.5



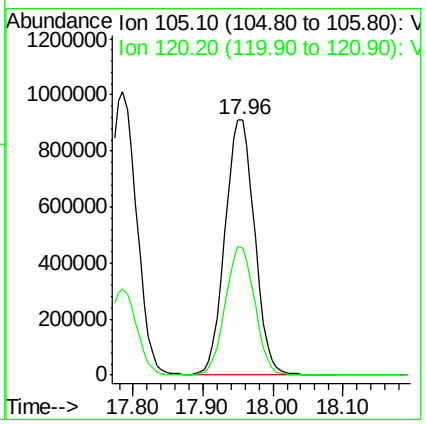


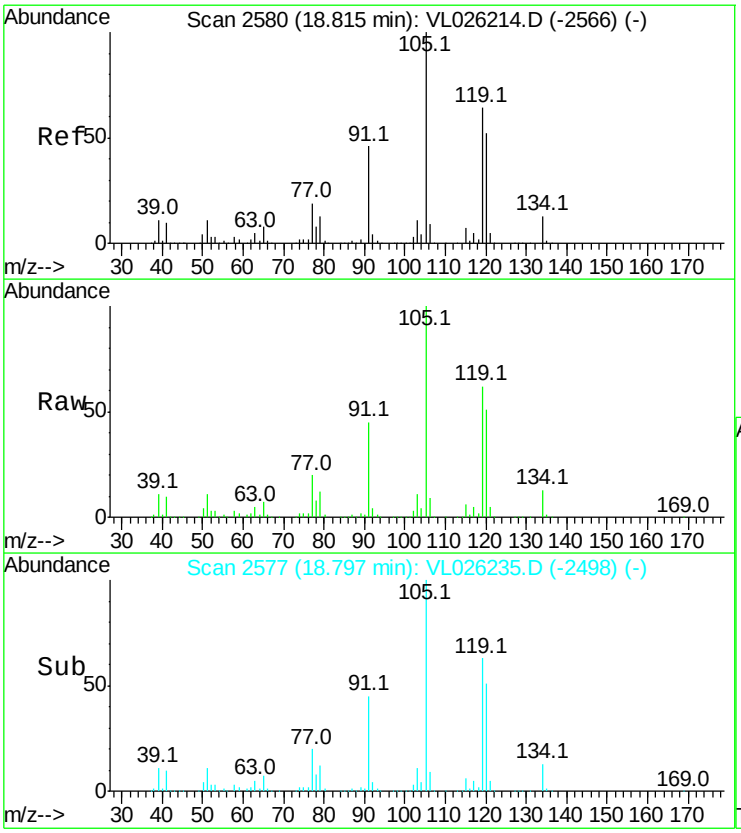
#73
1,3,5-Trimethylbenzene
Concen: 8.05 ppbv
RT: 17.96 min Scan# 2439
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:105 Resp: 2677456

Ion	Ratio	Lower	Upper
105	100		
120	49.6	39.8	59.6

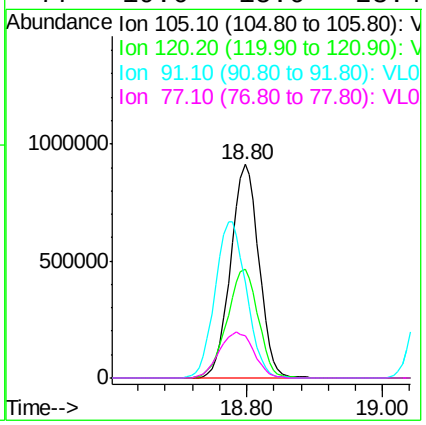


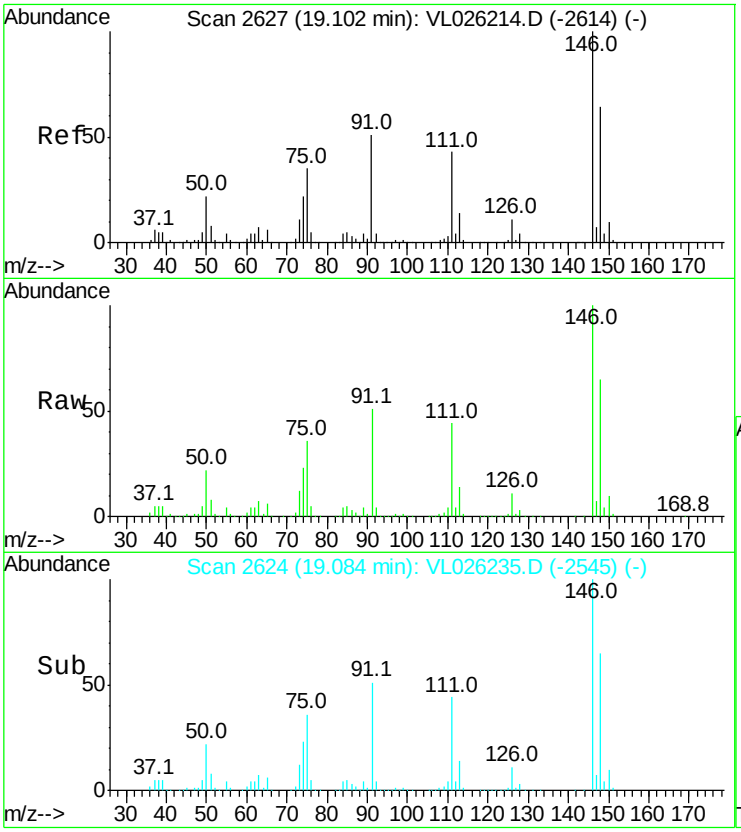


#74
1,2,4-Trimethylbenzene
Concen: 7.62 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:105 Resp: 2627790

Ion	Ratio	Lower	Upper
105	100		
120	50.7	41.2	61.8
91	44.7	37.2	55.8
77	19.6	15.6	23.4



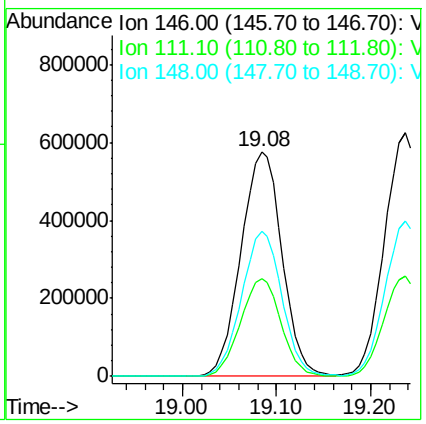


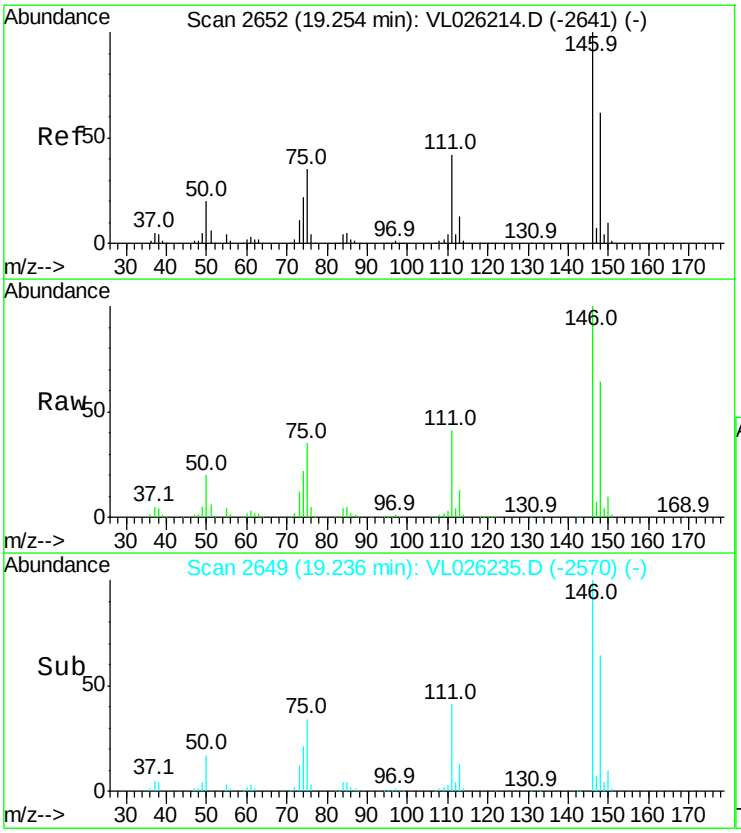
#75
1,3-Dichlorobenzene
Concen: 7.78 ppbv
RT: 19.08 min Scan# 2624
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:146 Resp: 1754681

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.4	31.8	95.4

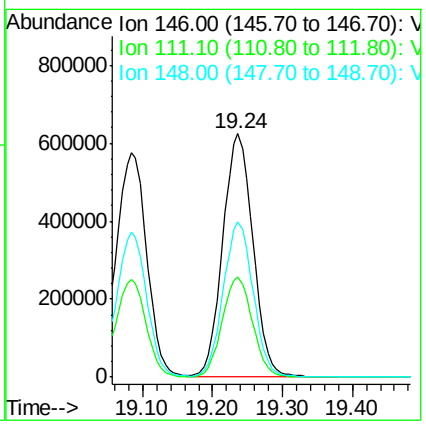


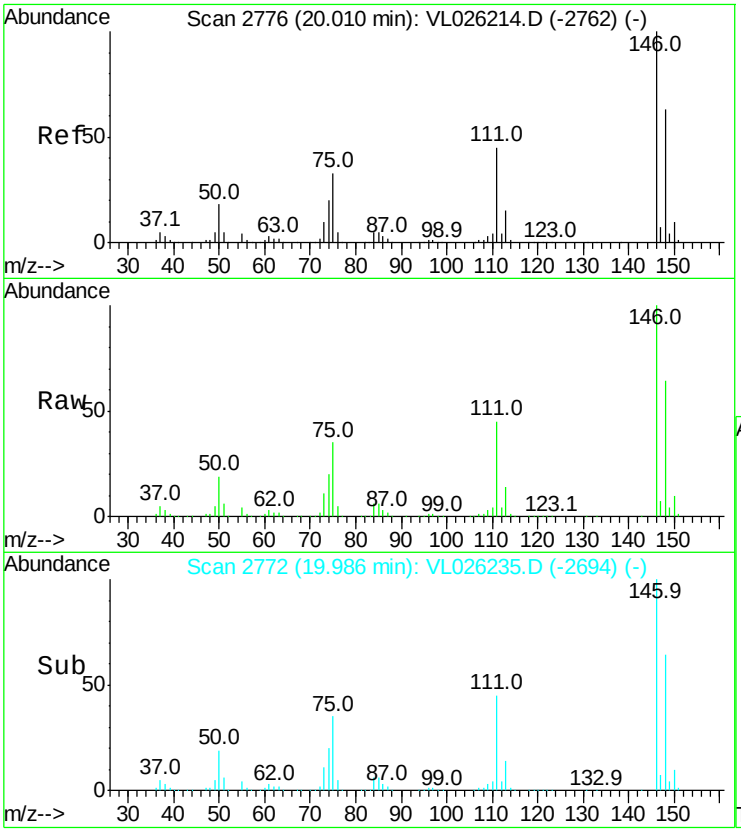


#76
1,4-Dichlorobenzene
Concen: 7.94 ppbv
RT: 19.24 min Scan# 2649
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:146 Resp: 1870132

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	63.2	31.9	95.9



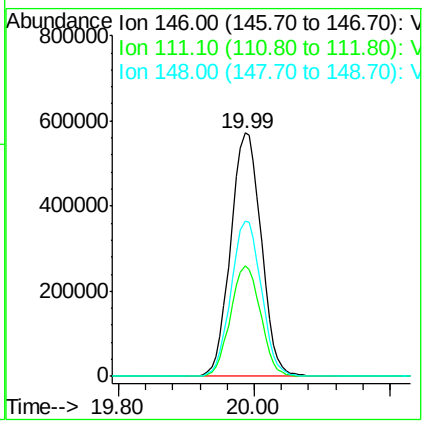


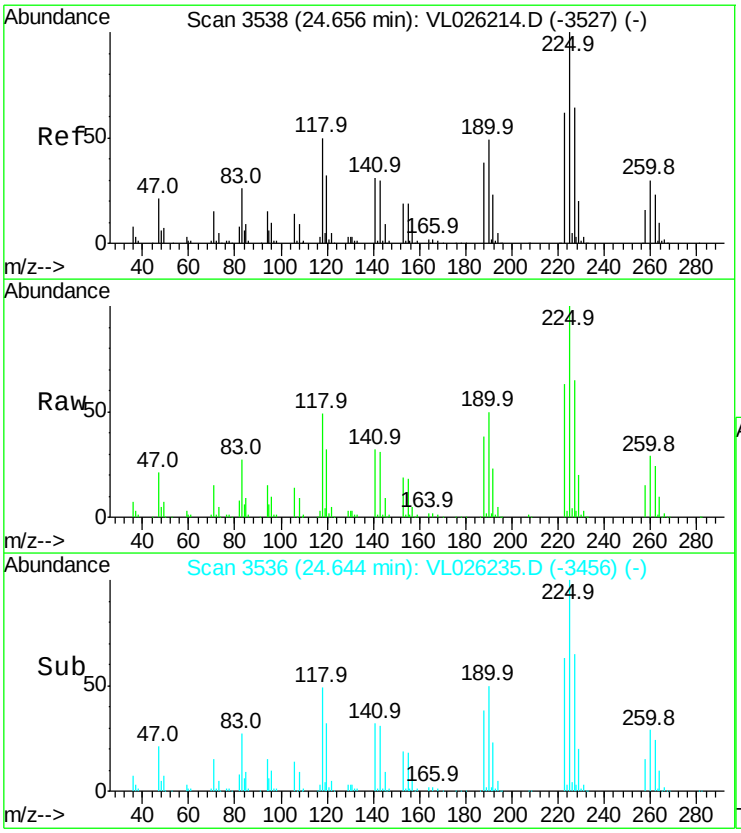
#77
1,2-Dichlorobenzene
Concen: 7.86 ppbv
RT: 19.99 min Scan# 2772
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument : MSVOA_L
ClientSampleId : VL1021ABS01

Tgt Ion:146 Resp: 1785800

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.6	67.7
148	63.8	31.6	95.0

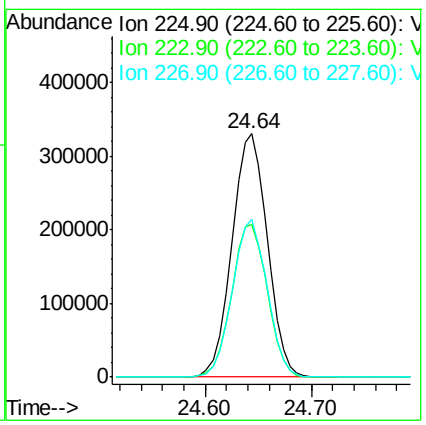


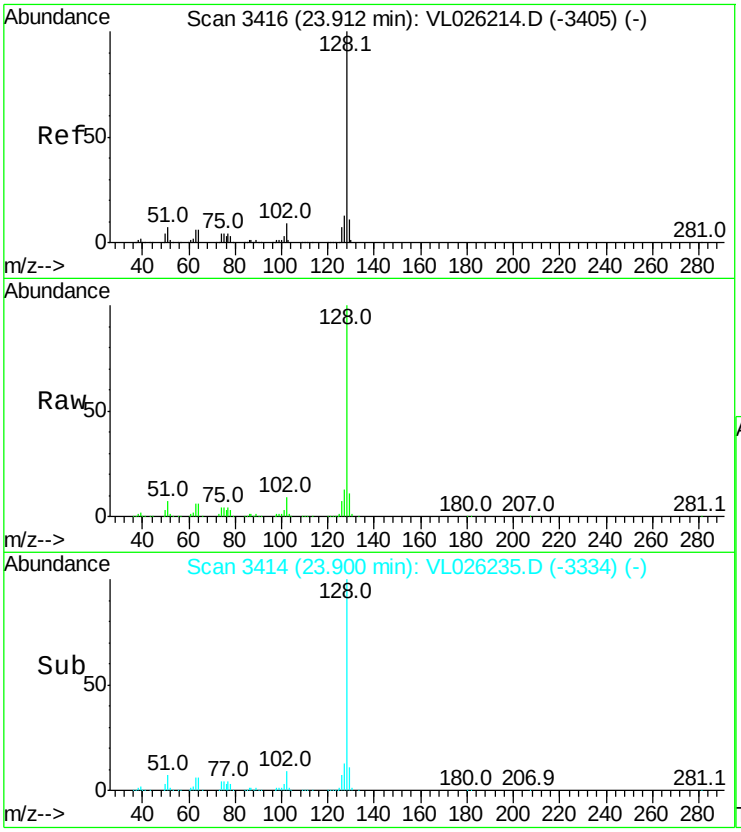


#78
Hexachloro-1,3-Butadiene
Concen: 6.62 ppbv
RT: 24.64 min Scan# 3536
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:225 Resp: 771593

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.2
227	63.6	50.8	76.2



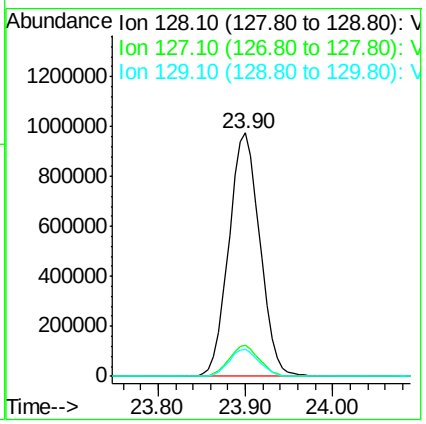


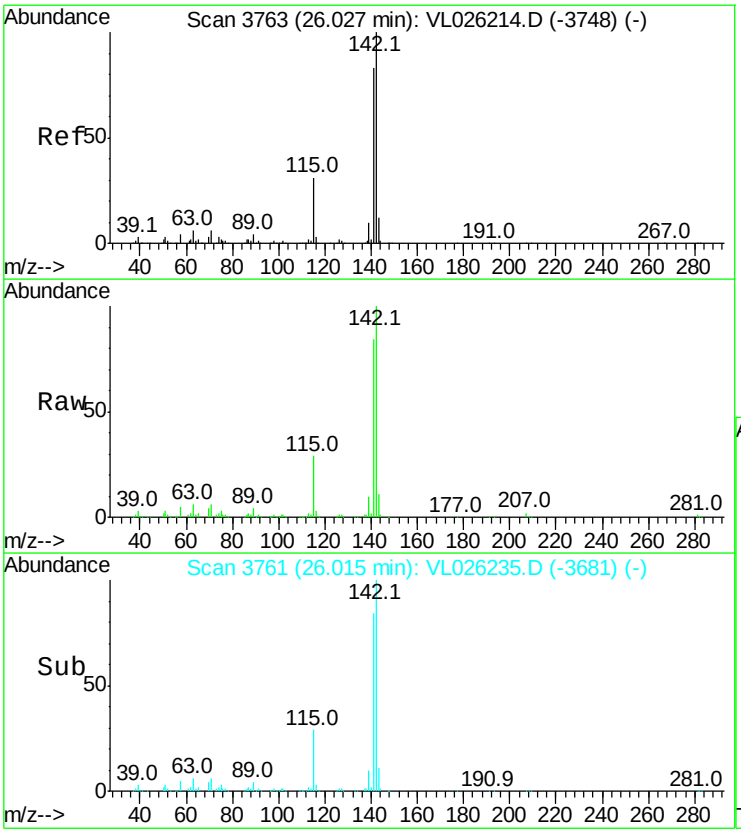
#79
Naphthalene
Concen: 7.91 ppbv
RT: 23.90 min Scan# 3414
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion:128 Resp: 2404383

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.8	13.2

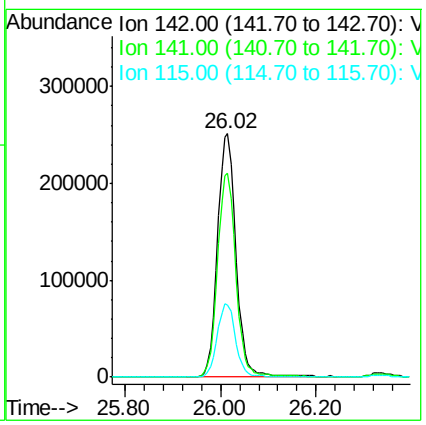


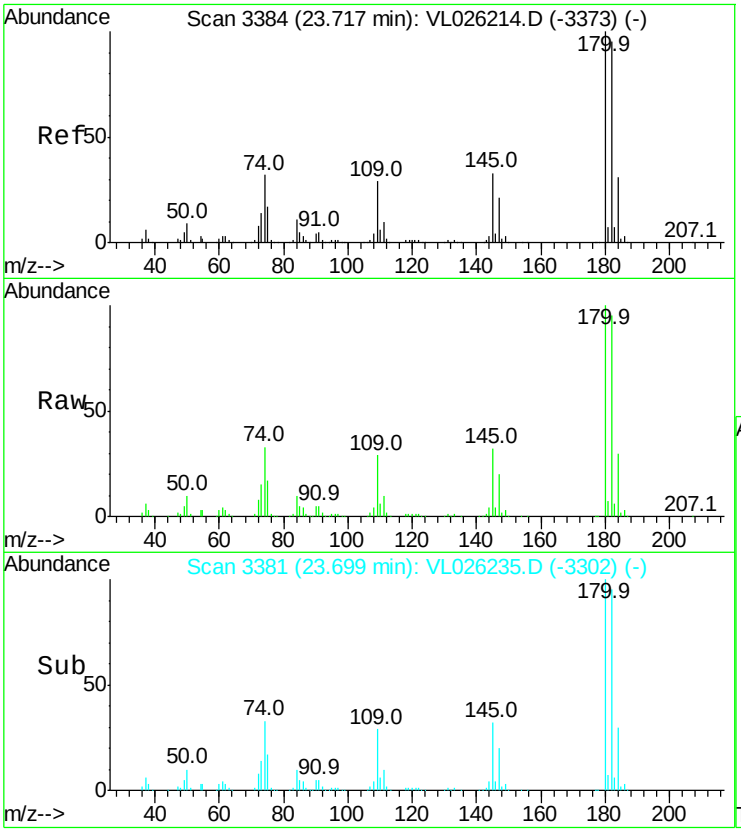


#80
Naphthalene,2-methyl-
Concen: 12.35 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Tgt Ion:142 Resp: 673668

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.5	99.7
115	30.6	24.2	36.4





#81
1,2,4-Trichlorobenzene
Concen: 7.53 ppbv
RT: 23.70 min Scan# 3381
Delta R.T. -0.02 min
Lab File: VL026235.D
Acq: 21 Oct 2015 12:08

Instrument :
MSVOA_L
ClientSampleId :
VL1021ABS01

Tgt Ion:180 Resp: 1102078

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
184	30.3	24.2	36.2