Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026670.D
Acq On : 12 Jan 2016 11:09
Operator : SY/AP
Sample : VL0112ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:00:14 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.67	49	807030	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	8.34	114	2494563	10.00	ppbv		0.03
55) Chlorobenzene-d5	13.76	117	3934119	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.31	95	2605157	8.31	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	2188329	10.20	ppbv		99
3) Chlorodifluoromethane	3.58	51	998377	9.29	ppbv		99
4) Chloromethane	3.76	50	490949	9.34	ppbv		98
5) Vinyl Chloride	3.90	62	570076	8.95	ppbv		100
6) Bromomethane	4.15	94	468252	10.33	ppbv		100
7) Chloroethane	4.24	64	257385	10.00	ppbv		97
8) Dichlorotetrafluoroethane	3.81	85	1661065	9.85	ppbv		99
9) Propene	3.60	41	353731	9.16	ppbv		96
10) Heptane	9.37	43	1328380	9.23	ppbv		95
11) Trichlorofluoromethane	4.70	101	2263070	10.17	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1358649	9.94	ppbv		100
13) Ethanol	4.34	45	48040	6.55	ppbv		97
14) Bromoethene	4.46	108	503245	10.22	ppbv		98
15) Acetone	4.61	43	1114128	8.39	ppbv		99
16) 1,3-Butadiene	3.98	39	515481	9.73	ppbv		100
17) tert-Butyl alcohol	5.14	59	933714	9.33	ppbv		100
18) 1,1-Dichloroethene	5.09	96	574413	10.08	ppbv		99
19) Isopropyl Alcohol	4.76	45	471287	8.61	ppbv	#	97
20) Methylene Chloride	5.16	84	515316	9.46	ppbv		97
21) Allyl Chloride	5.23	41	780776	9.59	ppbv		97
22) trans-1,2-Dichloroethene	5.78	96	640905	9.85	ppbv		96
23) Vinyl Acetate	5.99	43	1856718	9.11	ppbv		98
24) 1,1-Dichloroethane	5.92	63	1404924	9.56	ppbv		100
25) Ethyl Acetate	6.68	43	1933767	9.44	ppbv		100
26) Hexane	6.67	57	998121	9.42	ppbv		97
27) Carbon Disulfide	5.40	76	1635062	10.38	ppbv		99
28) Methyl tert-Butyl Ether	5.96	73	2086985	9.91	ppbv		99
29) Chloroform	6.76	83	1863762	9.69	ppbv		99
30) Cyclohexane	8.29	84	1068857	10.22	ppbv		96
31) cis-1,2-Dichloroethene	6.53	61	1064780	9.97	ppbv		97
32) 1,1,1-Trichloroethane	7.61	97	2051766	9.45	ppbv		99
34) 2-Butanone	6.21	43	1138813	8.56	ppbv		97
35) Carbon Tetrachloride	8.17	117	2051941	9.35	ppbv		99
36) Benzene	8.04	78	2378415	9.26	ppbv		99
37) 1,2-Dichloroethane	7.38	62	1649161	9.39	ppbv		100
38) Trichloroethene	9.08	130	939509	8.20	ppbv		98
39) 1,2-Dichloropropane	8.84	63	795966	8.97	ppbv		96
40) 1,4-Dioxane	9.13	88	165221	8.10	ppbv	#	1
41) Tetrahydrofuran	7.13	42	607963	9.23	ppbv		98
42) Bromodichloromethane	9.04	83	2174656	9.59	ppbv		98
43) Methyl Methacrylate	9.28	69	917831	9.79	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026670.D
Acq On : 12 Jan 2016 11:09
Operator : SY/AP
Sample : VL0112ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:00:14 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	3665362	8.84	ppbv		100
45) t-1,3-Dichloropropene	10.66	75	1588778	10.47	ppbv		99
46) cis-1,3-Dichloropropene	10.04	75	1738773	10.07	ppbv		95
47) 1,1,2-Trichloroethane	10.90	97	1148379	9.08	ppbv		98
48) Dibromochloromethane	11.82	129	1853128	9.76	ppbv		100
49) Bromoform	14.83	173	1500073	9.69	ppbv		99
50) 4-Methyl-2-Pentanone	10.10	43	1715891	9.18	ppbv		99
51) 2-Hexanone	11.63	43	1660418	9.64	ppbv	#	98
52) Tetrachloroethene	12.80	164	1060690	8.26	ppbv		99
53) Toluene	11.25	91	3404430	9.41	ppbv		100
54) 1,2-Dibromoethane	12.16	107	1793252	8.95	ppbv		100
56) 1,1,1,2-Tetrachloroethane	13.80	131	1380733	7.62	ppbv		98
57) Chlorobenzene	13.83	112	2826344	6.98	ppbv		98
58) Ethyl Benzene	14.43	91	5430382	7.73	ppbv		100
59) m/p-Xylene	14.73	91	3868896	6.68	ppbv	#	18
60) o-Xylene	15.51	91	4319742	6.90	ppbv		99
61) Styrene	15.33	104	2055419	8.40	ppbv		98
62) Isopropylbenzene	16.56	105	6061653	7.32	ppbv		99
63) 1,1,2,2-Tetrachloroethane	15.50	83	2710366	5.81	ppbv		99
64) n-propylbenzene	17.54	120	1619466	7.29	ppbv		99
65) tert-Butylbenzene	18.83	119	5142105	6.77	ppbv		99
66) Benzyl Chloride	19.12	91	2061109	7.60	ppbv		100
67) sec-Butylbenzene	19.43	105	7927902	7.04	ppbv		99
69) p-Isopropyltoluene	19.81	119	6240272	7.24	ppbv		99
70) n-Butylbenzene	20.77	91	6452972	7.20	ppbv		100
71) 2-Chlorotoluene	17.44	91	4912492	7.61	ppbv		98
72) 4-Ethyltoluene	17.84	105	5237751	7.49	ppbv		100
73) 1,3,5-Trimethylbenzene	18.00	105	4803964	7.24	ppbv		97
74) 1,2,4-Trimethylbenzene	18.85	105	4675946	6.64	ppbv	#	90
75) 1,3-Dichlorobenzene	19.14	146	2913853	6.70	ppbv		99
76) 1,4-Dichlorobenzene	19.29	146	3059938	6.86	ppbv		99
77) 1,2-Dichlorobenzene	20.05	146	2982596	6.76	ppbv		99
78) Hexachloro-1,3-Butadiene	24.69	225	935991	5.20	ppbv		100
79) Naphthalene	23.95	128	2600628	5.47	ppbv		100
80) Naphthalene,2-methyl-	26.07	142	345835	4.69	ppbv		99
81) 1,2,4-Trichlorobenzene	23.75	180	1251658	5.79	ppbv		99

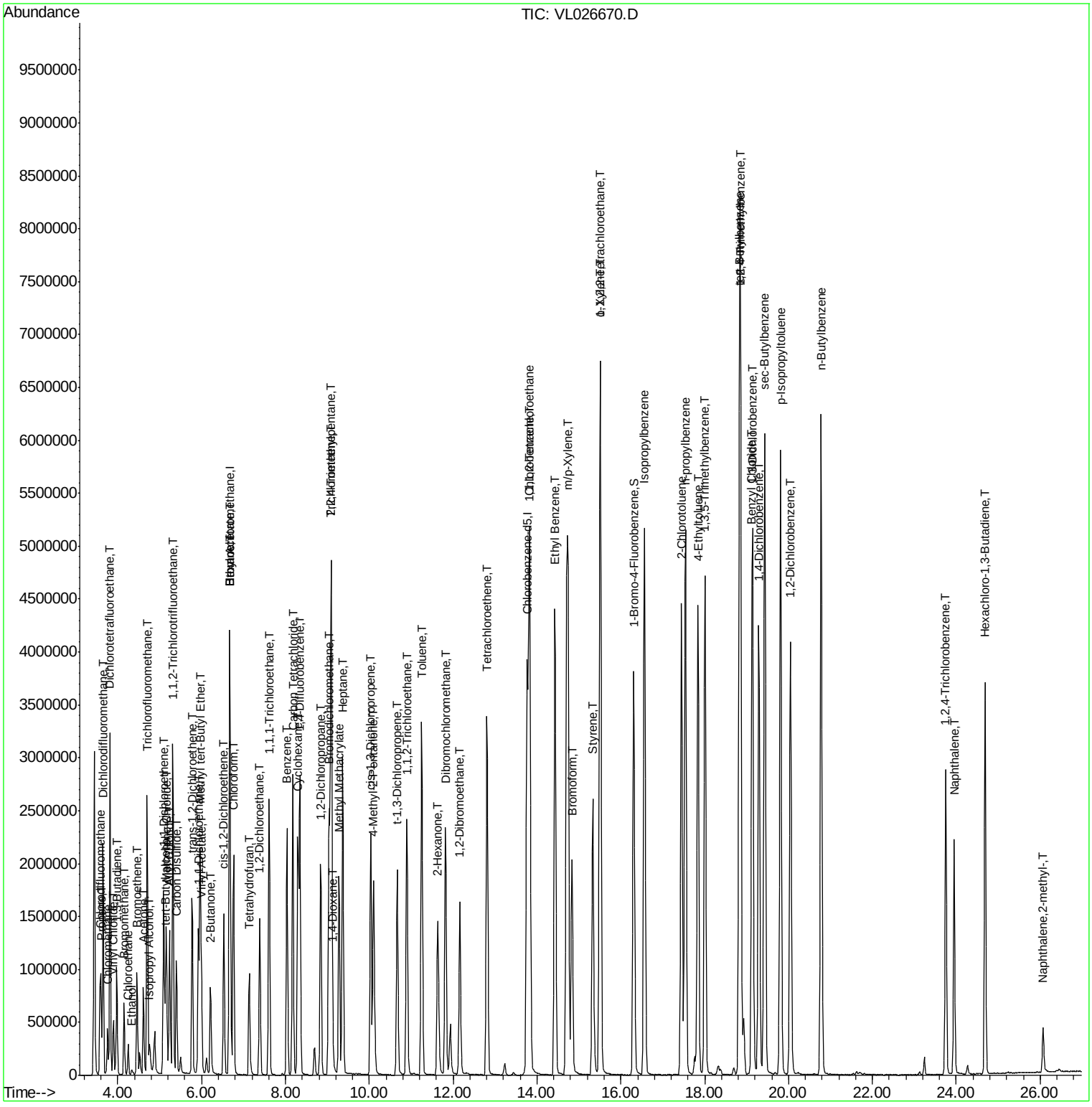
(#) = qualifier out of range (m) = manual integration (+) = signals summed

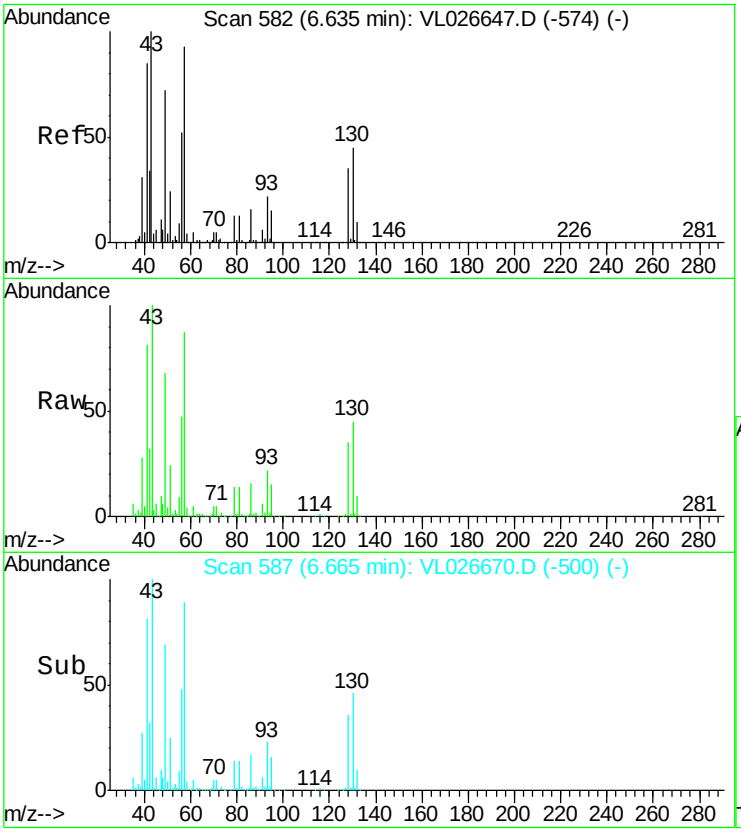
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL011216\
Data File : VL026670.D
Acq On : 12 Jan 2016 11:09
Operator : SY/AP
Sample : VL0112ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 13 03:00:14 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration



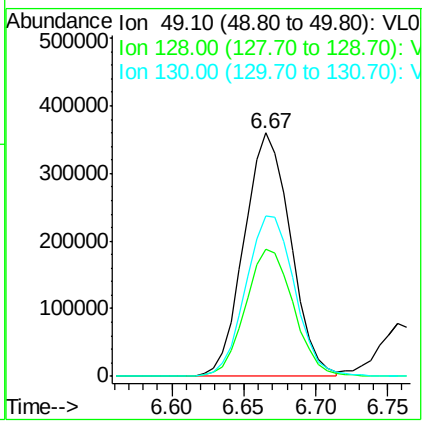


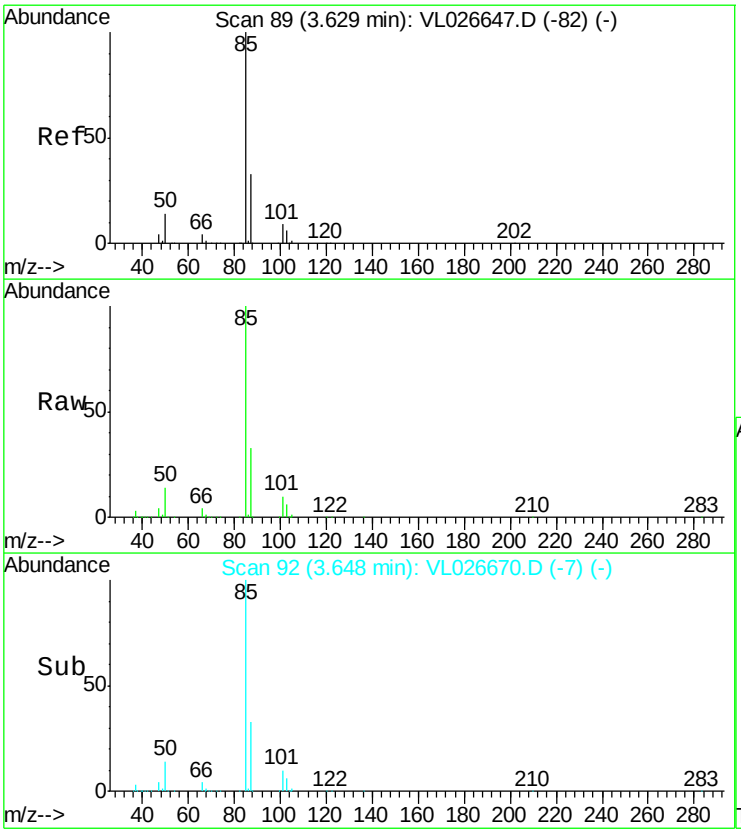
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 807030

Ion	Ratio	Lower	Upper
49	100		
128	54.4	25.9	77.7
130	69.8	33.6	100.8

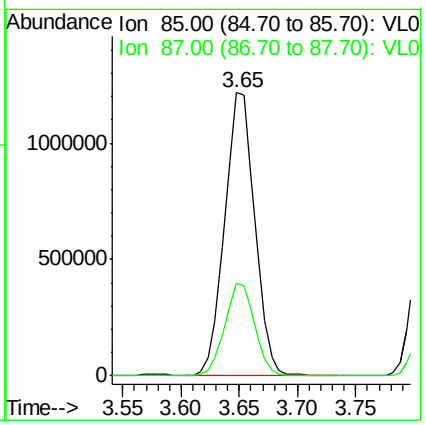


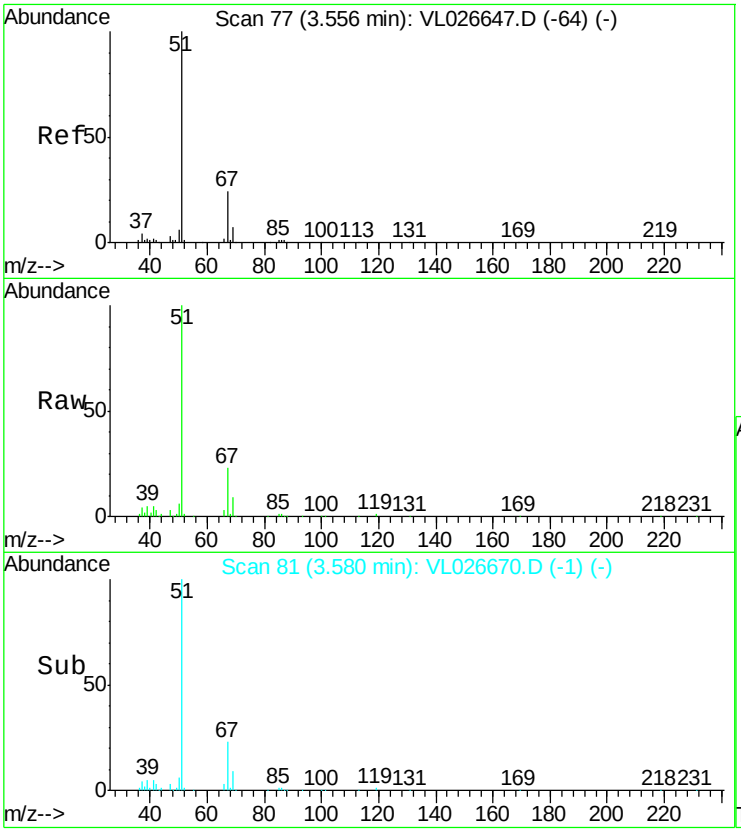


#2
Dichlorodifluoromethane
Concen: 10.20 ppbv
RT: 3.65 min Scan# 92
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 85 Resp: 2188329

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.4	39.6

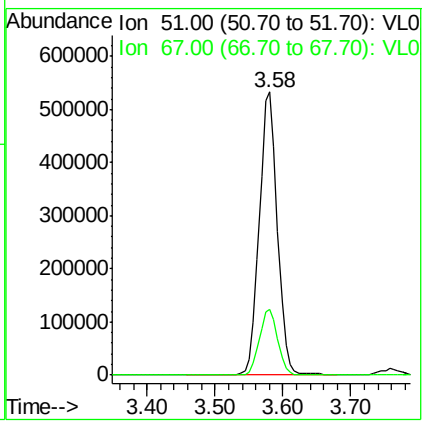




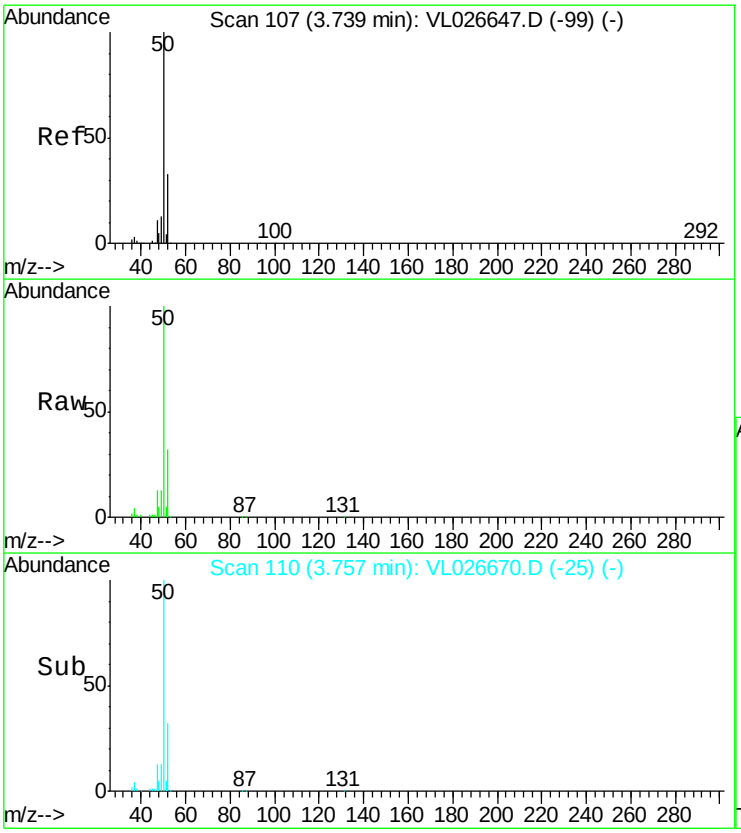
#3
Chlorodifluoromethane
Concen: 9.29 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 51 Resp: 998377

Ion	Ratio	Lower	Upper
51	100		
67	23.6	18.6	28.0



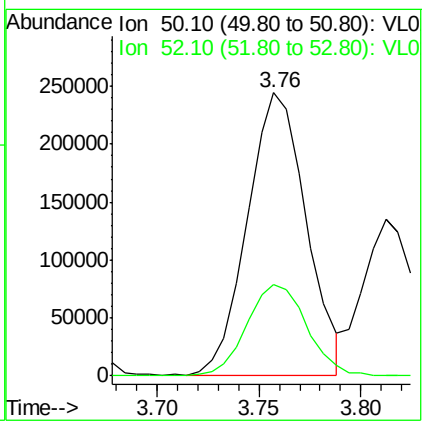
Instrument :
MSVOA_L
ClientSampleId :

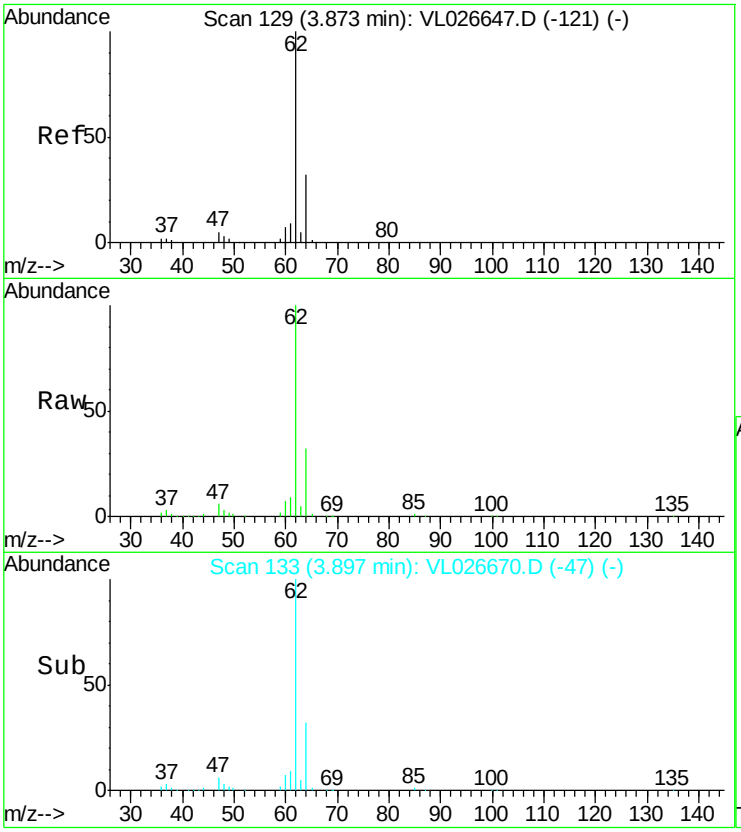


#4
Chloromethane
Concen: 9.34 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 50 Resp: 490949

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.7	40.1



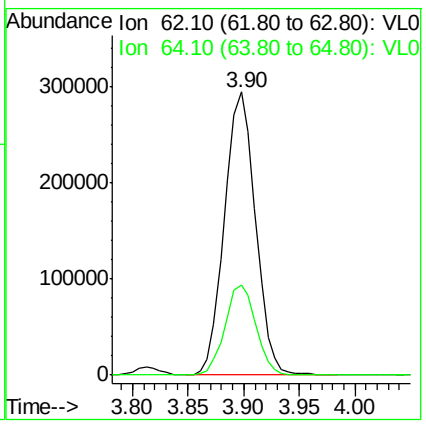


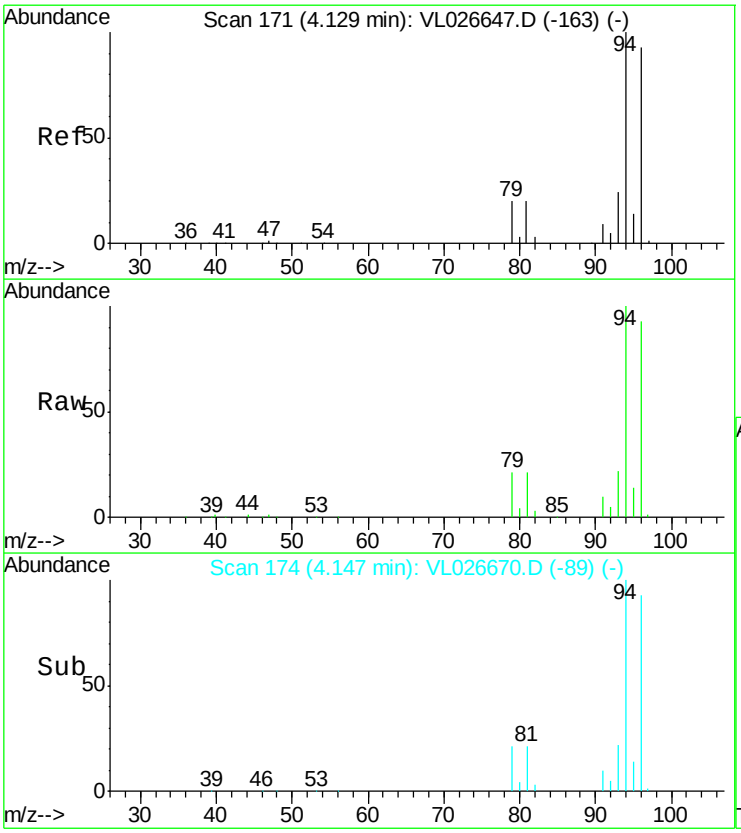
#5
Vinyl Chloride
Concen: 8.95 ppbv
RT: 3.90 min Scan# 133
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 570076

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.6	38.4

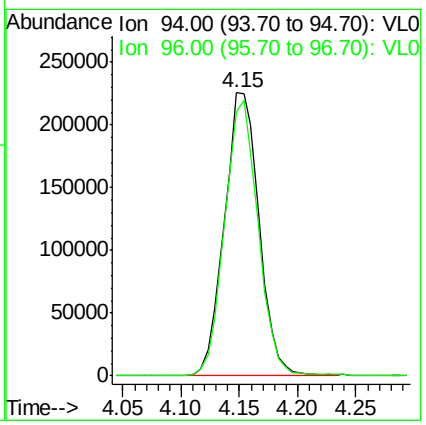


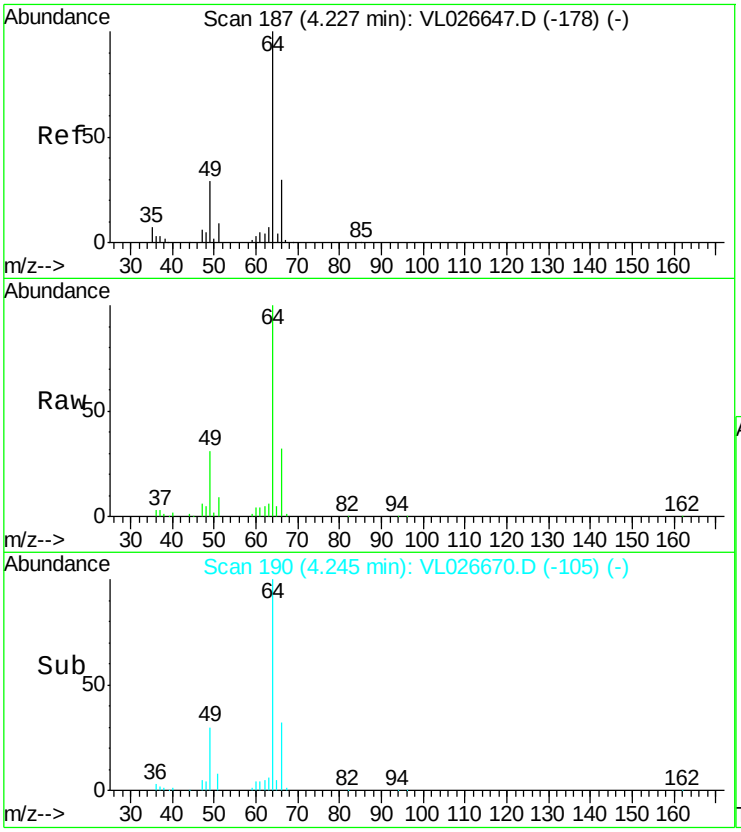


#6
Bromomethane
Concen: 10.33 ppbv
RT: 4.15 min Scan# 174
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 94 Resp: 468252

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	112.0



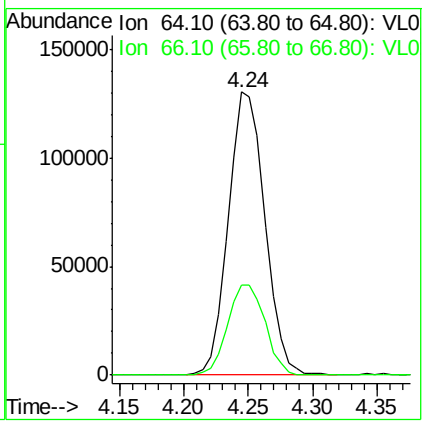


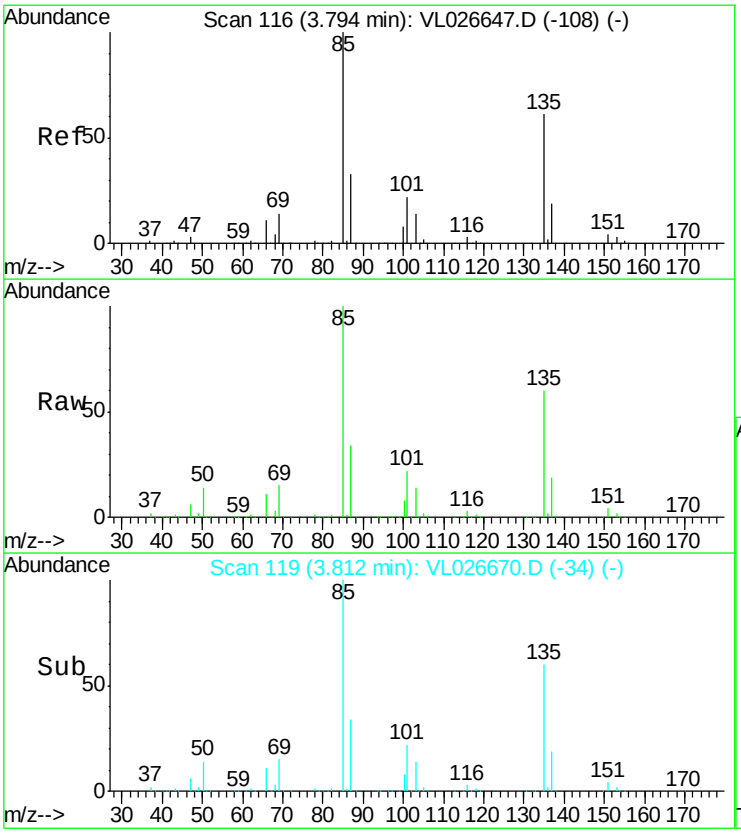
#7
Chloroethane
Concen: 10.00 ppbv
RT: 4.24 min Scan# 190
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 257385

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.3	36.5

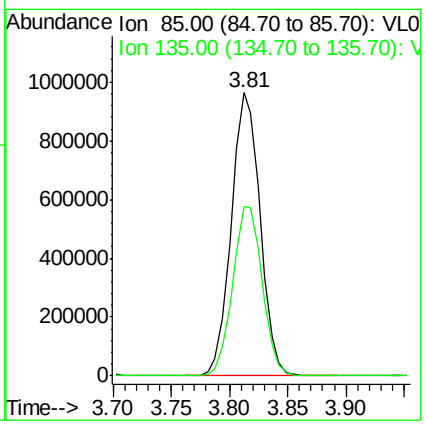


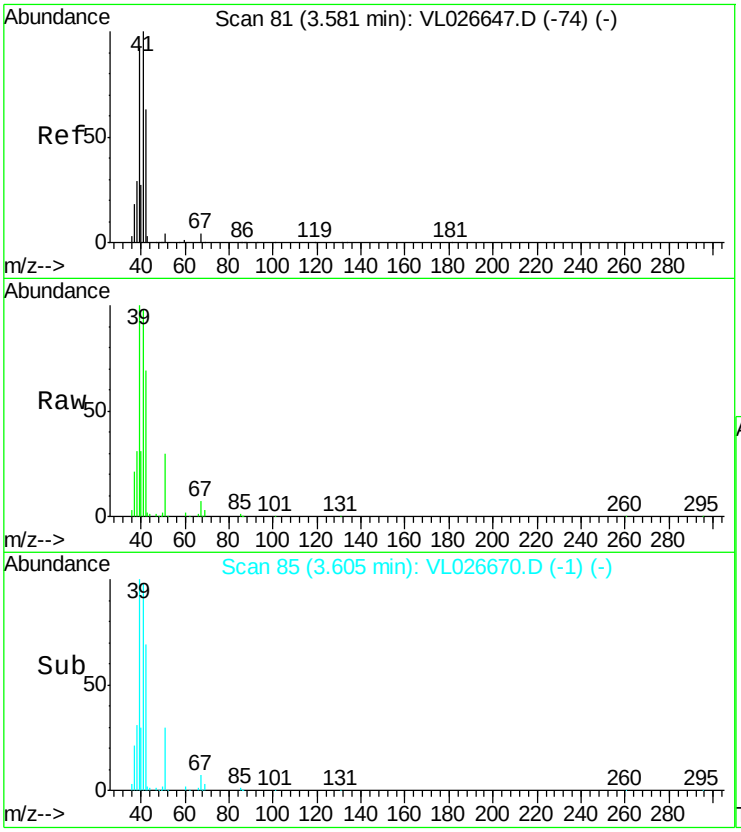


#8
Dichlorotetrafluoroethane
Concen: 9.85 ppbv
RT: 3.81 min Scan# 119
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 85 Resp: 1661065

Ion	Ratio	Lower	Upper
85	100		
135	61.8	49.8	74.6



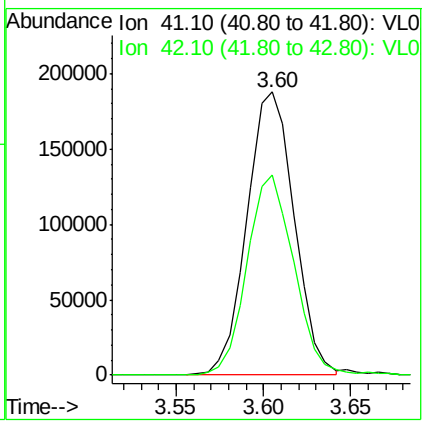


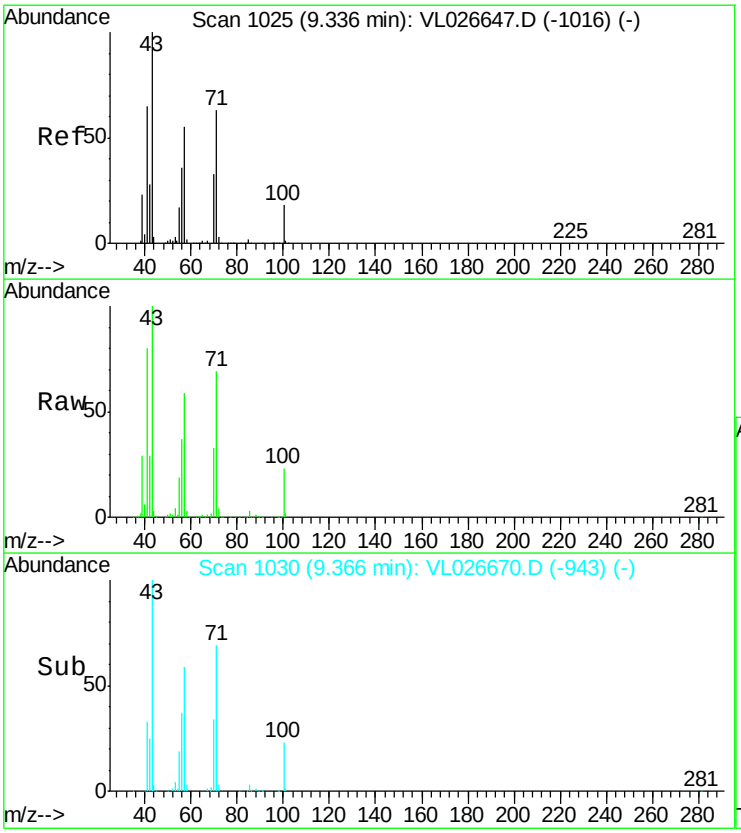
#9
Propene
Concen: 9.16 ppbv
RT: 3.60 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 353731

Ion	Ratio	Lower	Upper
41	100		
42	70.5	53.6	80.4

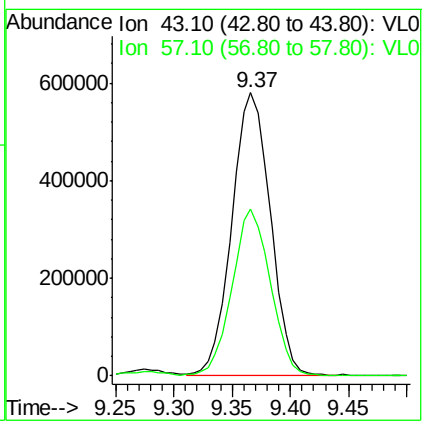


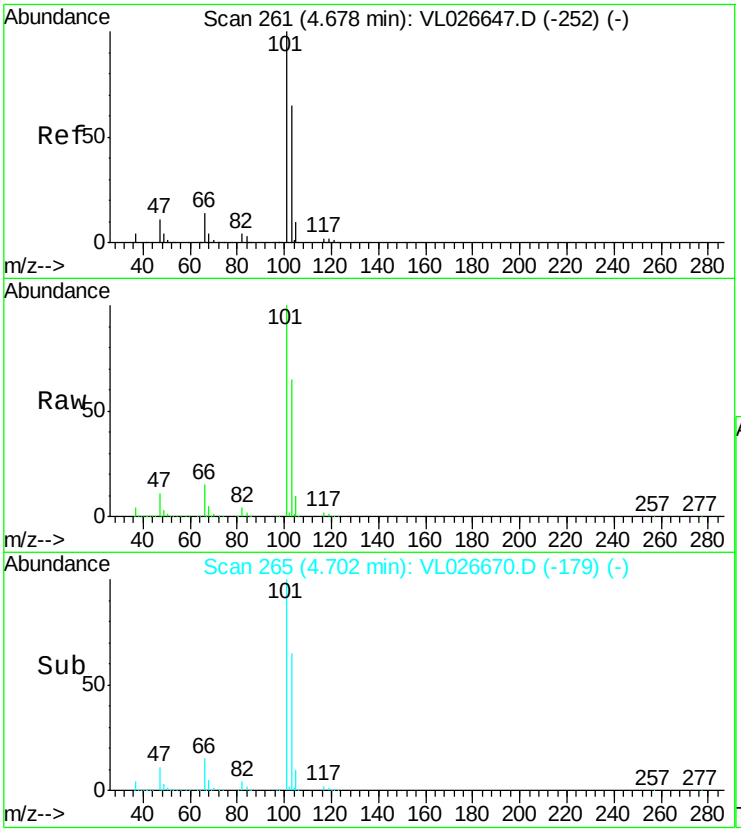


#10
Heptane
Concen: 9.23 ppbv
RT: 9.37 min Scan# 1030
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1328380

Ion	Ratio	Lower	Upper
43	100		
57	60.9	45.8	68.6



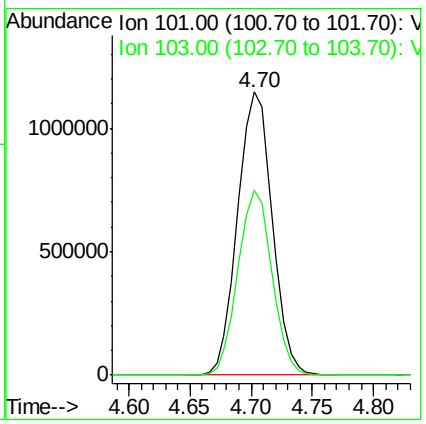


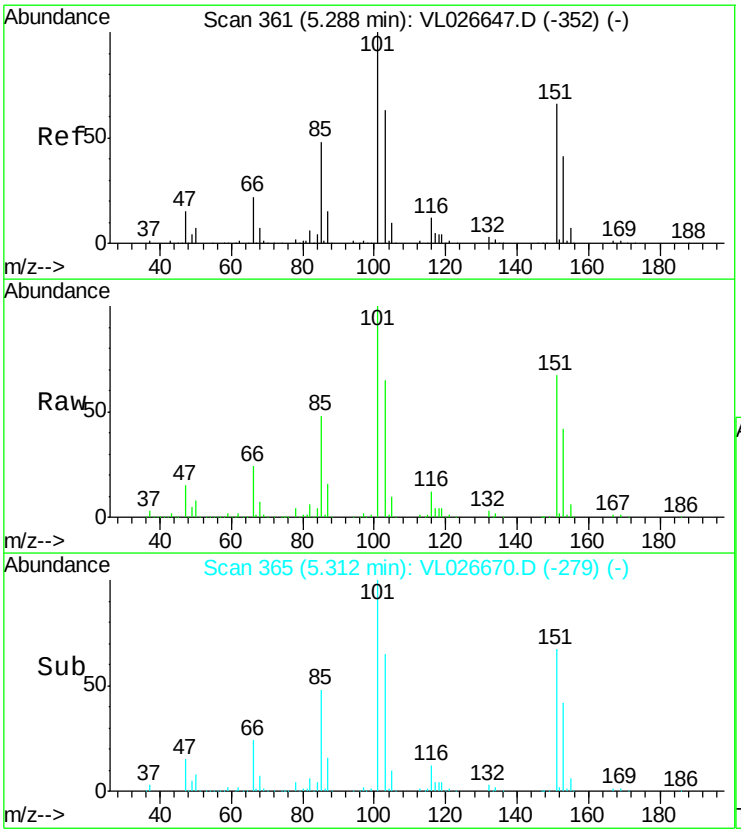
#11
Trichlorofluoromethane
Concen: 10.17 ppbv
RT: 4.70 min Scan# 265
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2263070

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.7	77.5

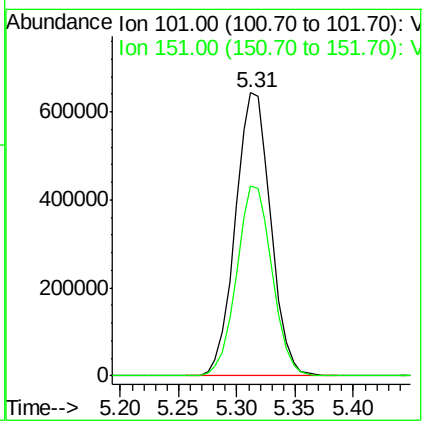


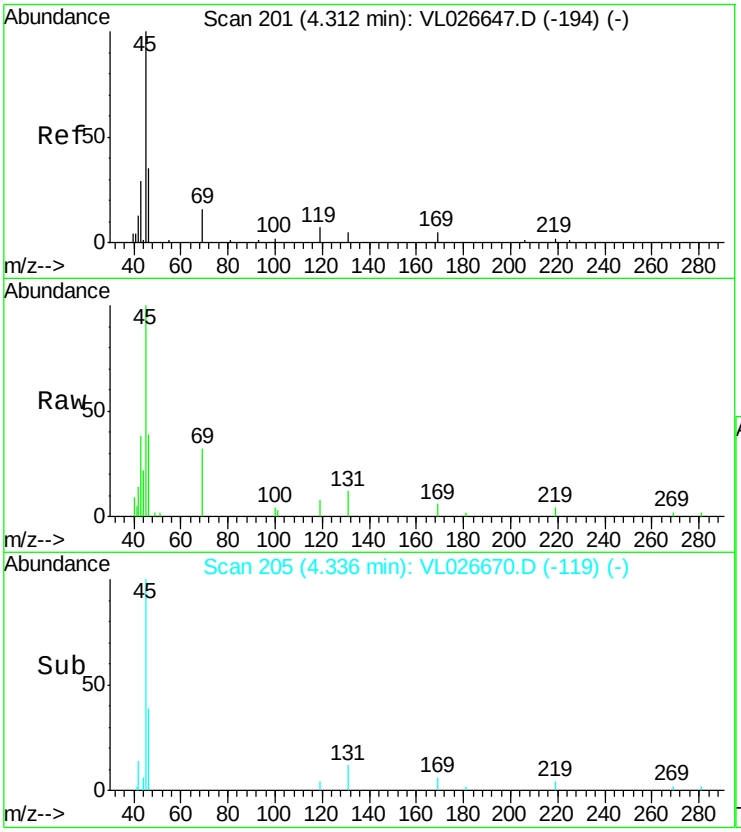


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.94 ppbv
RT: 5.31 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:101 Resp: 1358649

Ion	Ratio	Lower	Upper
101	100		
151	67.4	54.2	81.4



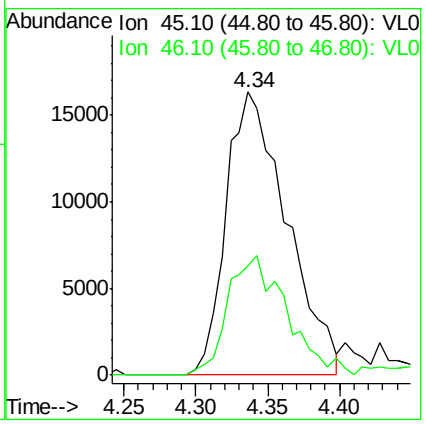


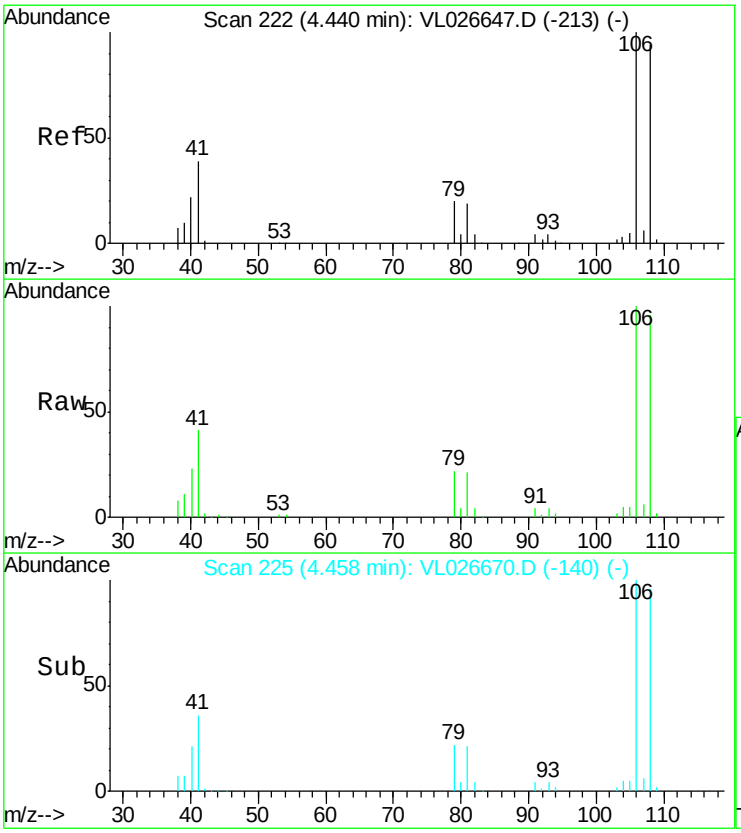
#13
Ethanol
Concen: 6.55 ppbv
RT: 4.34 min Scan# 205
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 48040

Ion	Ratio	Lower	Upper
45	100		
46	43.8	16.7	66.7

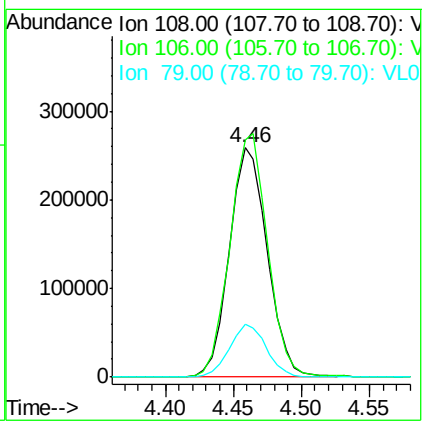


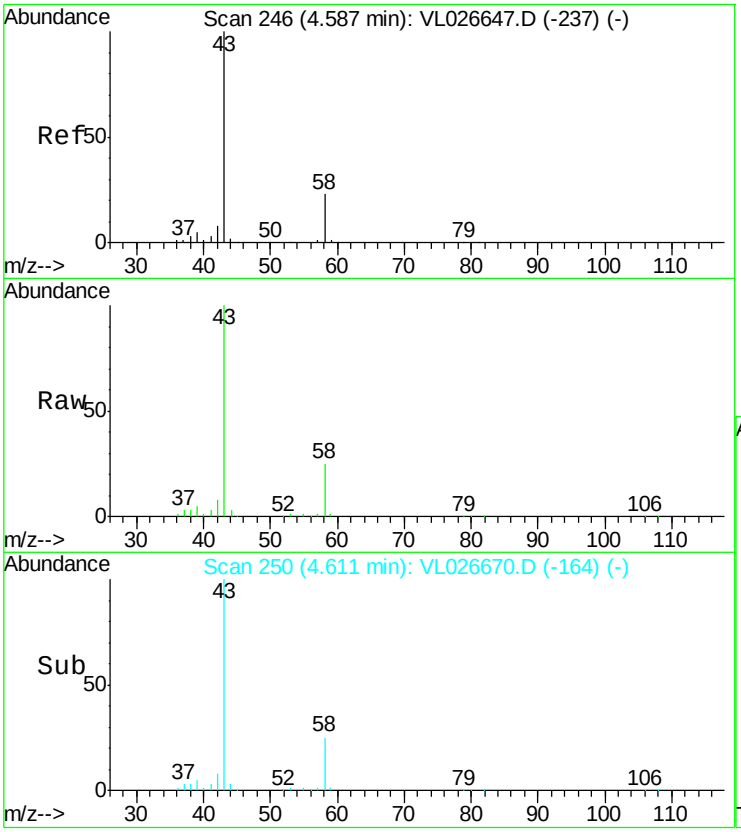


#14
Bromoethene
Concen: 10.22 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:108 Resp: 503245

Ion	Ratio	Lower	Upper
108	100		
106	106.3	86.4	129.6
79	22.6	17.2	25.8



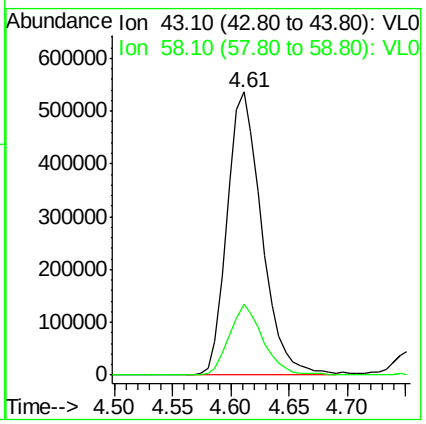


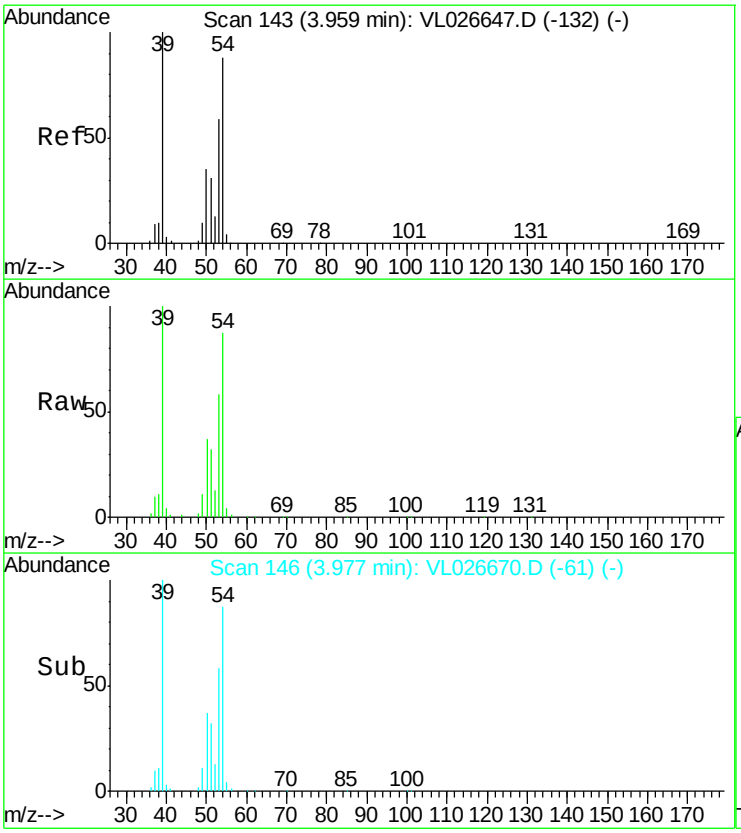
#15
Acetone
Concen: 8.39 ppbv
RT: 4.61 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1114128

Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.2	28.8

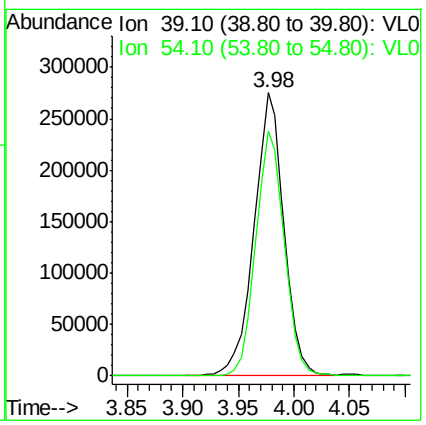


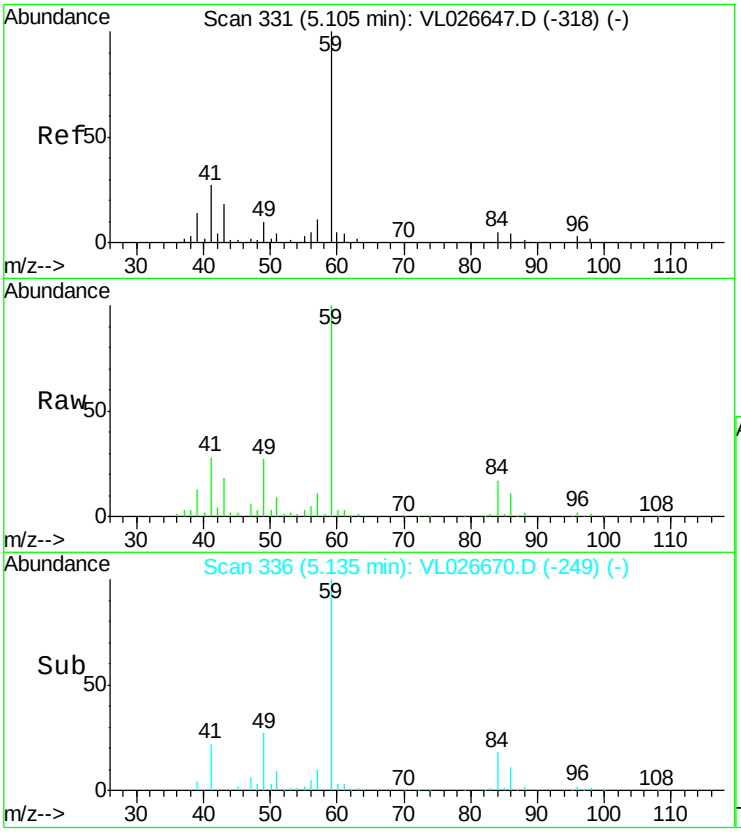


#16
1,3-Butadiene
Concen: 9.73 ppbv
RT: 3.98 min Scan# 146
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 39 Resp: 515481

Ion	Ratio	Lower	Upper
39	100		
54	83.2	66.6	100.0



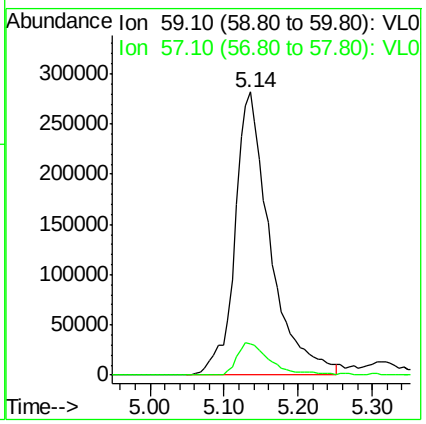


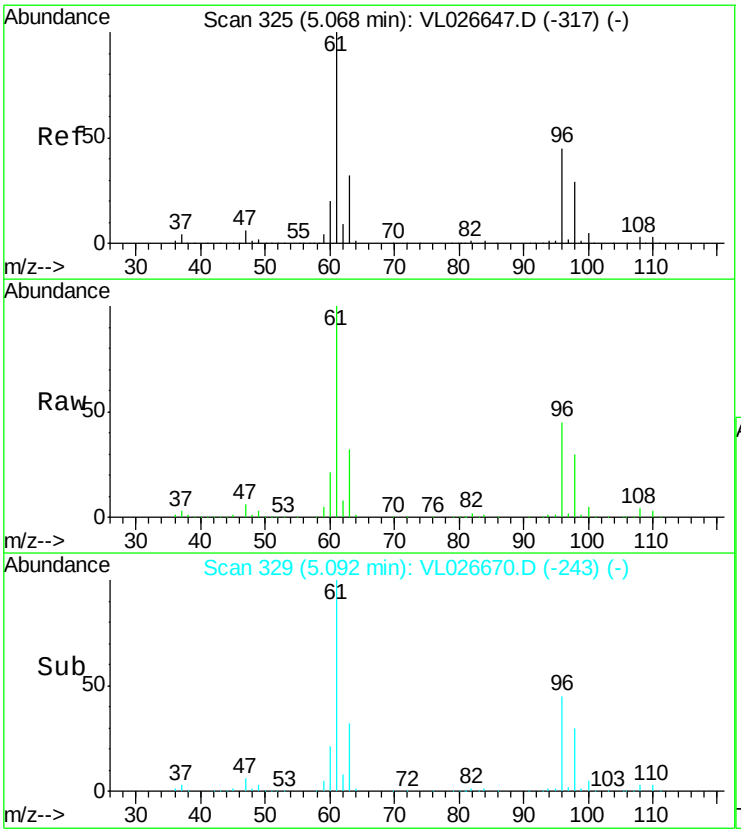
#17
tert-Butyl alcohol
Concen: 9.33 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 933714

Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6

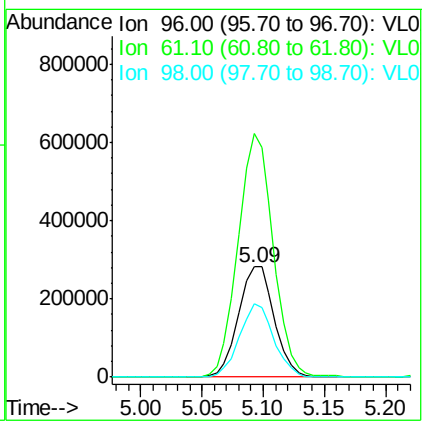


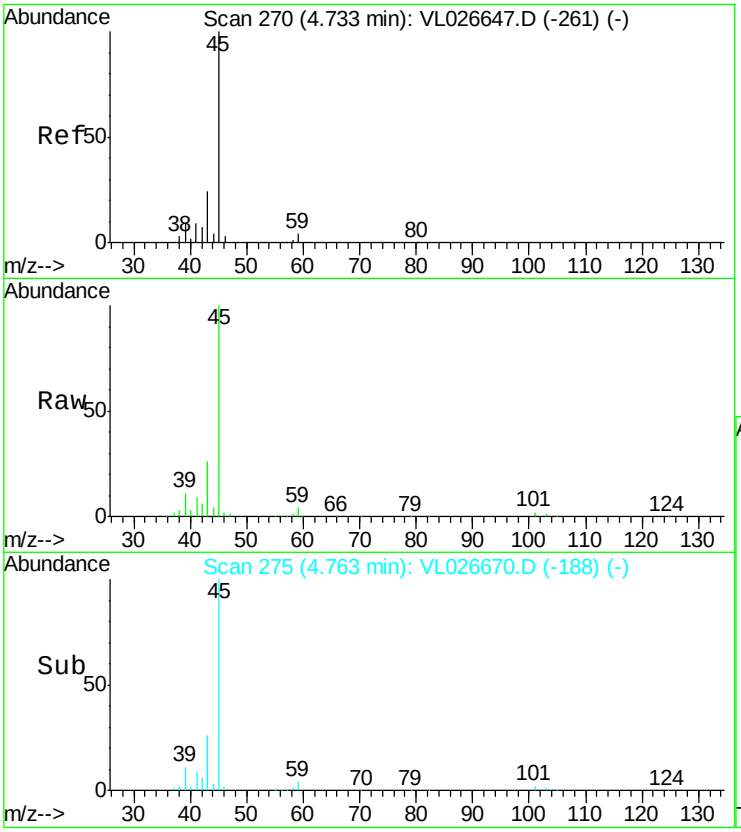


#18
1,1-Dichloroethene
Concen: 10.08 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 96 Resp: 574413

Ion	Ratio	Lower	Upper
96	100		
61	221.5	176.7	265.1
98	66.4	51.8	77.6



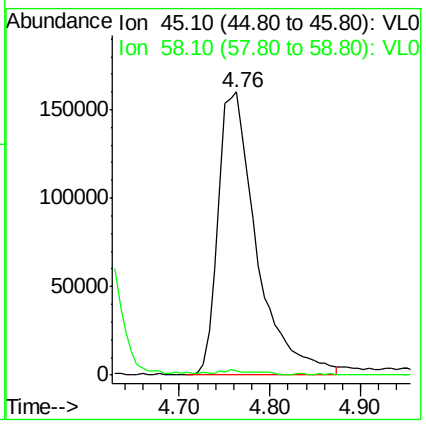


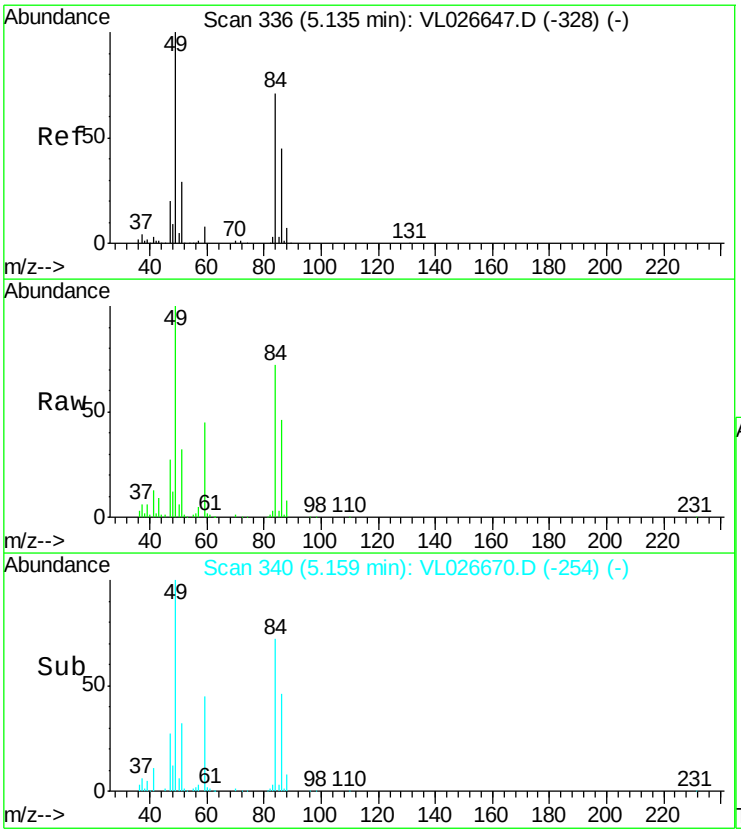
#19
Isopropyl Alcohol
Concen: 8.61 ppbv
RT: 4.76 min Scan# 275
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 471287

Ion	Ratio	Lower	Upper
45	100		
58	2.9	1.3	1.9#

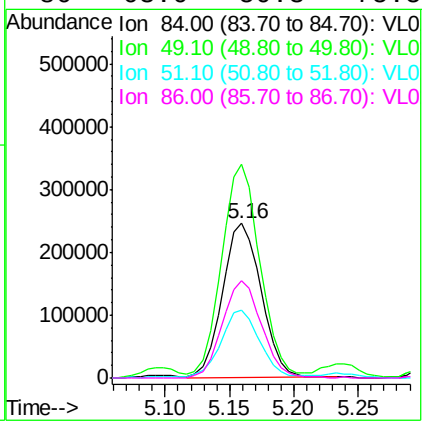


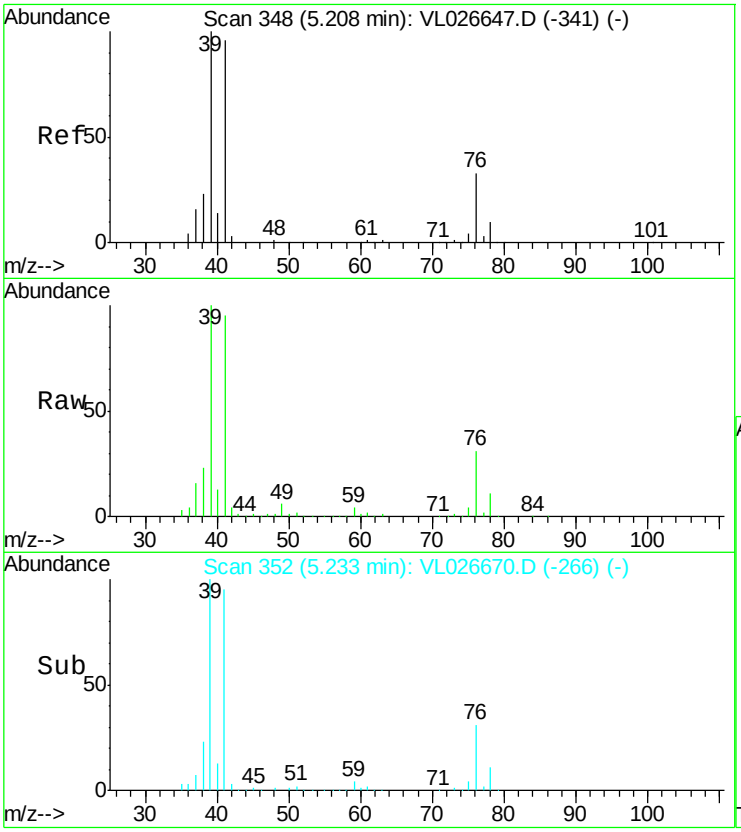


#20
Methylene Chloride
Concen: 9.46 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 84 Resp: 515316

Ion	Ratio	Lower	Upper
84	100		
49	136.3	112.3	168.5
51	43.2	32.5	48.7
86	63.0	50.3	75.5



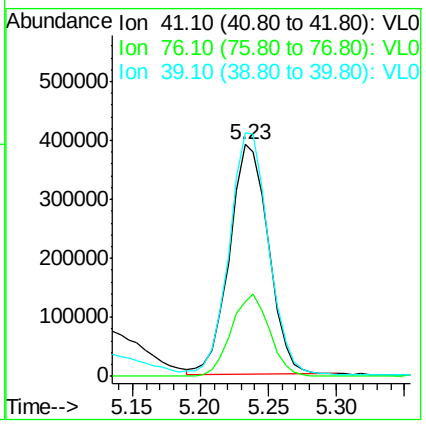


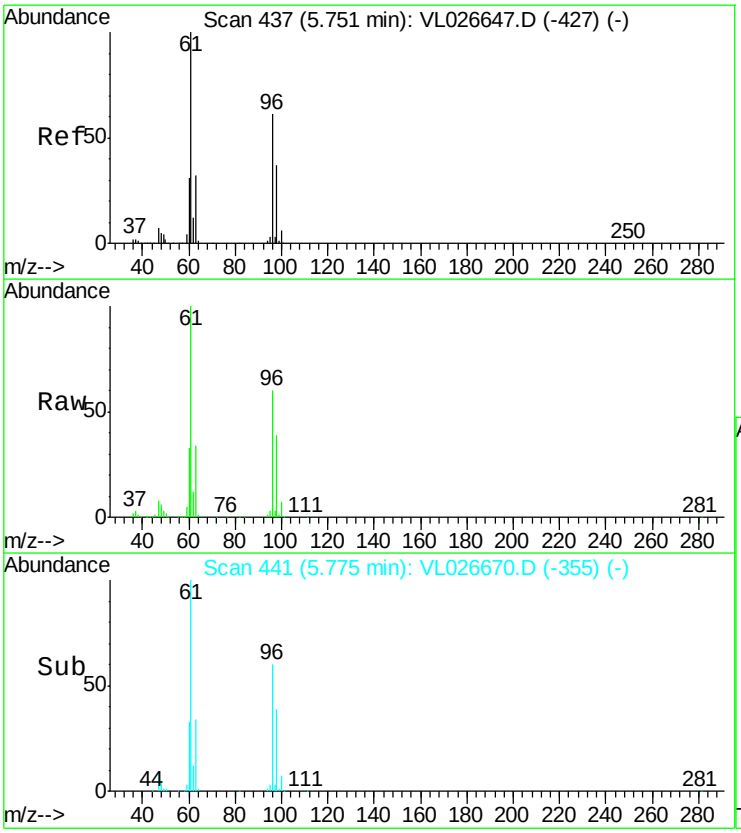
#21
Allyl Chloride
Concen: 9.59 ppbv
RT: 5.23 min Scan# 352
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 780776

Ion	Ratio	Lower	Upper
41	100		
76	35.2	27.5	41.3
39	107.8	83.0	124.6

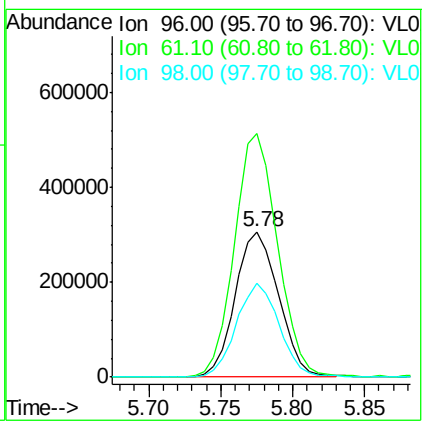


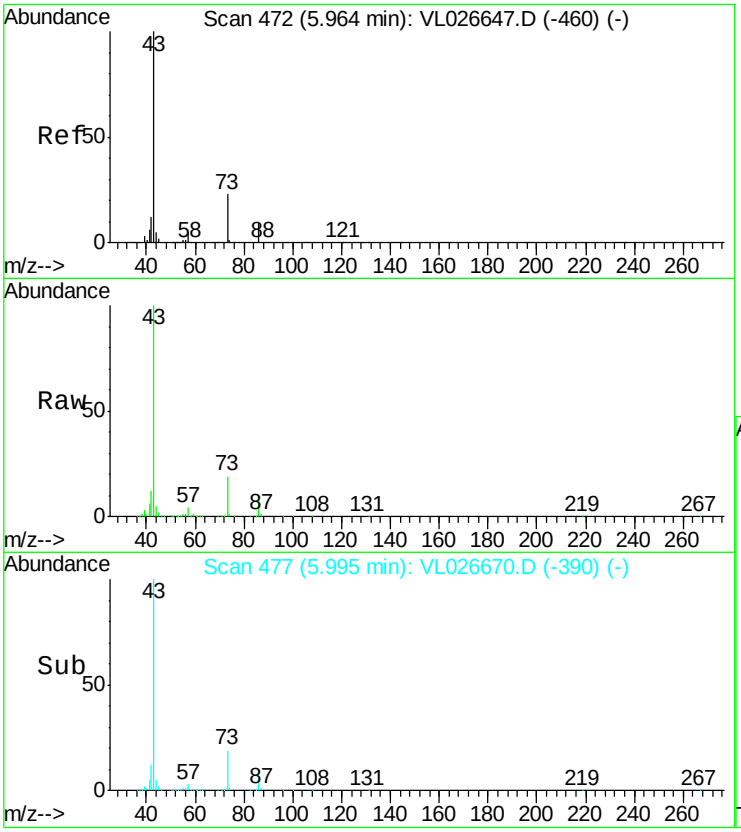


#22
trans-1,2-Dichloroethene
Concen: 9.85 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 96 Resp: 640905

Ion	Ratio	Lower	Upper
96	100		
61	167.2	131.0	196.6
98	64.7	48.1	72.1



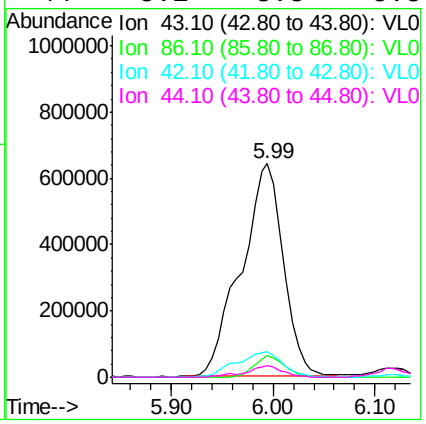


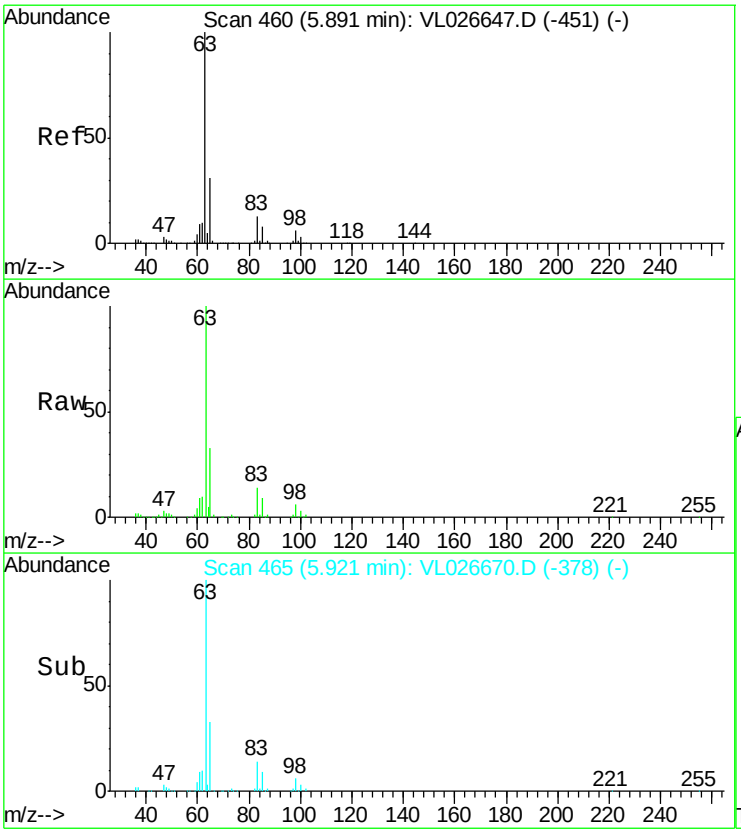
#23
Vinyl Acetate
Concen: 9.11 ppbv
RT: 5.99 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1856718

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.4	11.0
42	11.8	9.2	13.8
44	5.1	3.8	5.8

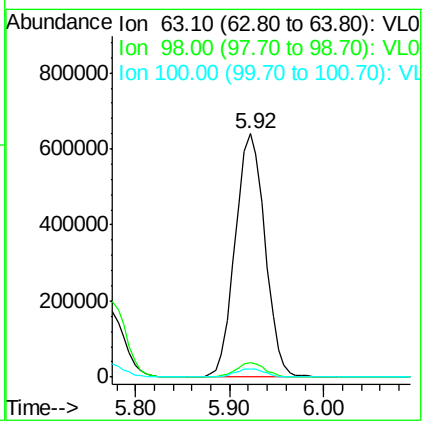


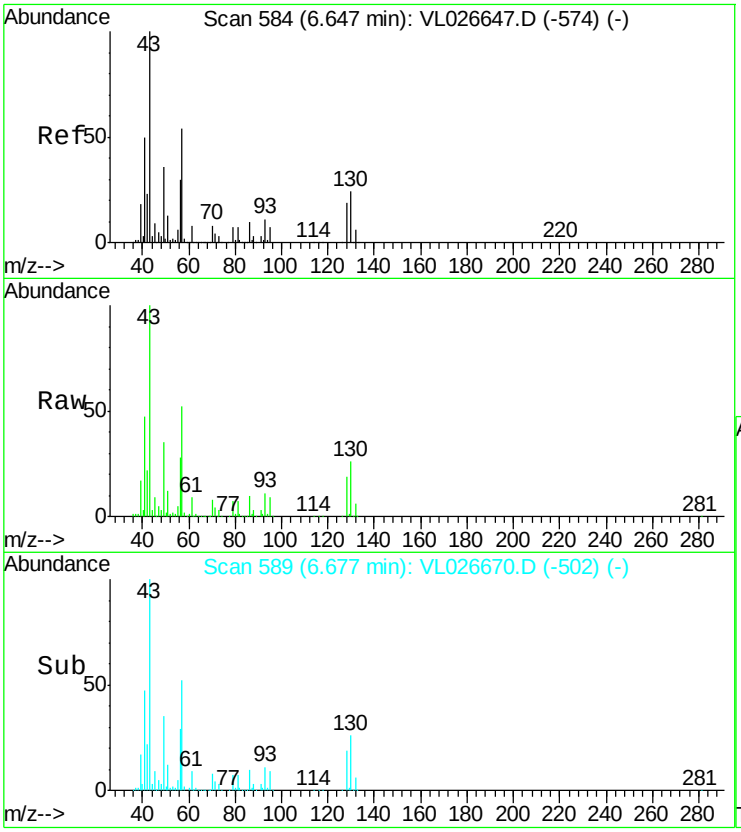


#24
1,1-Dichloroethane
Concen: 9.56 ppbv
RT: 5.92 min Scan# 465
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 63 Resp: 1404924

Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.7
100	3.3	1.6	4.8



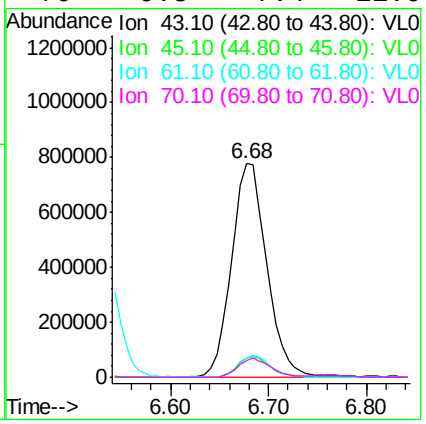


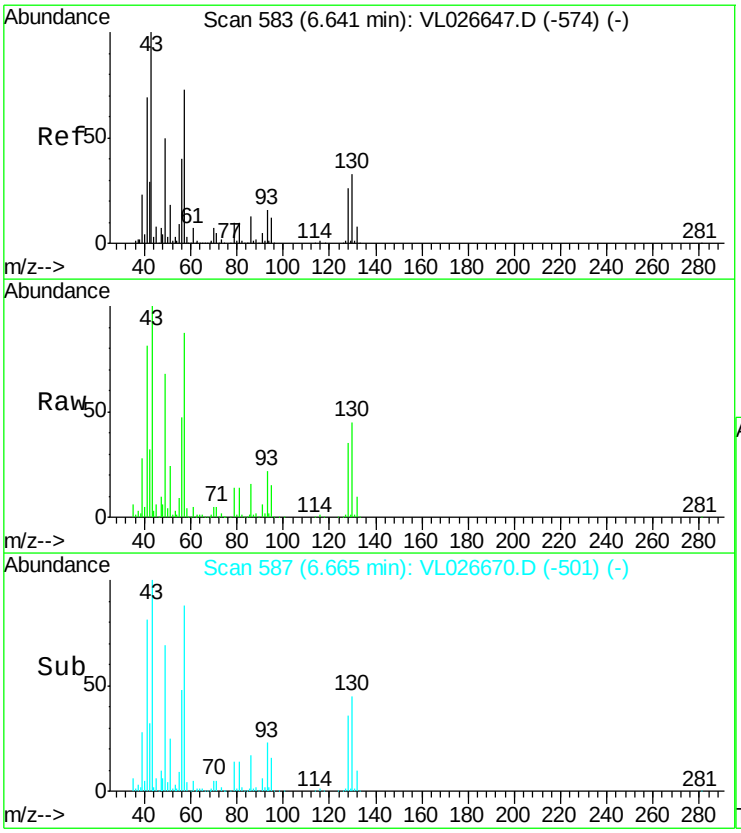
#25
Ethyl Acetate
Concen: 9.44 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1933767

Ion	Ratio	Lower	Upper
43	100		
45	9.2	7.5	11.3
61	9.1	7.3	10.9
70	9.3	7.4	11.0

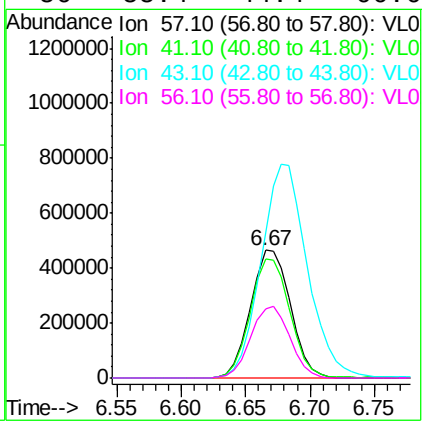


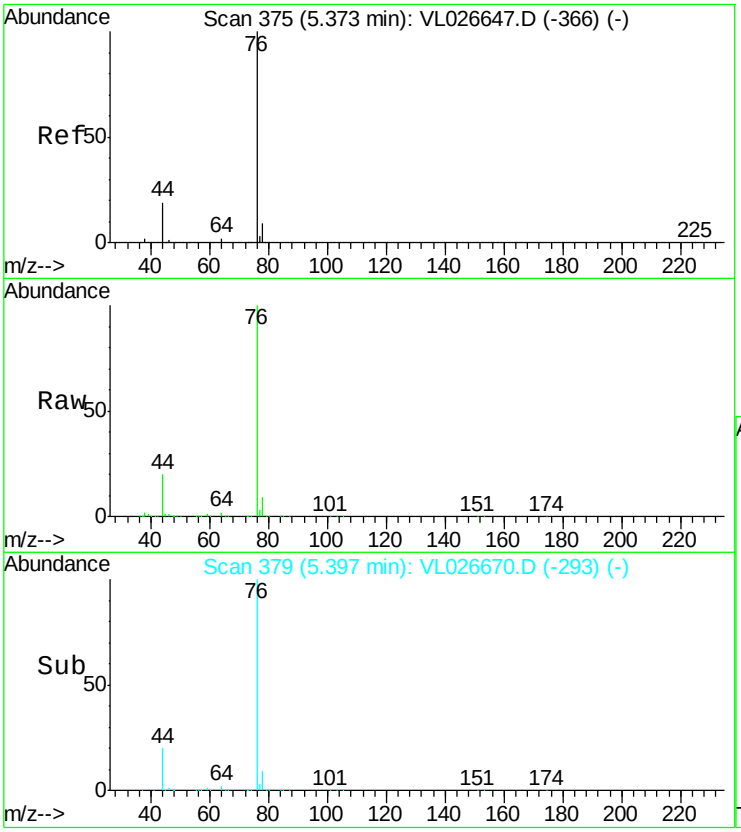


#26
Hexane
Concen: 9.42 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 57 Resp: 998121

Ion	Ratio	Lower	Upper
57	100		
41	94.2	74.8	112.2
43	195.1	161.5	242.3
56	55.4	44.4	66.6



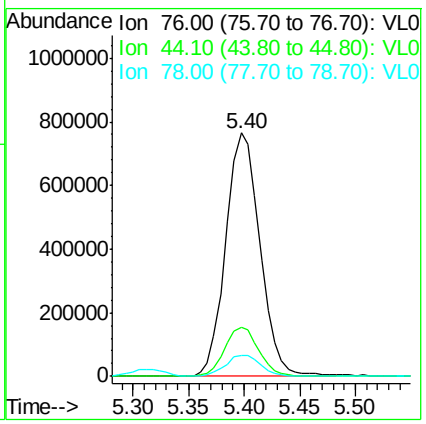


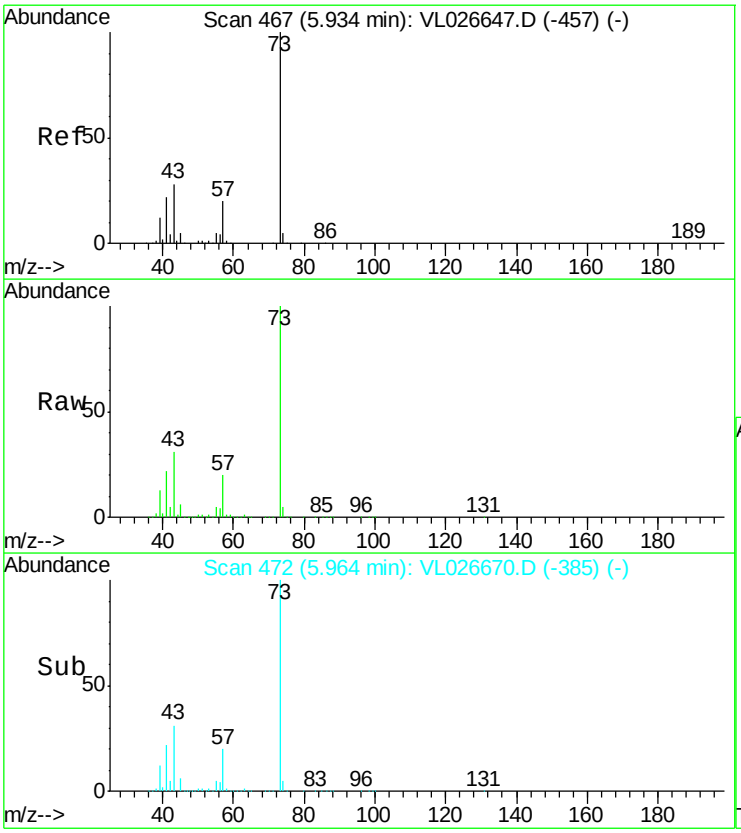
#27
Carbon Disulfide
Concen: 10.38 ppbv
RT: 5.40 min Scan# 379
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1635062

Ion	Ratio	Lower	Upper
76	100		
44	20.5	15.9	23.9
78	9.3	7.6	11.4

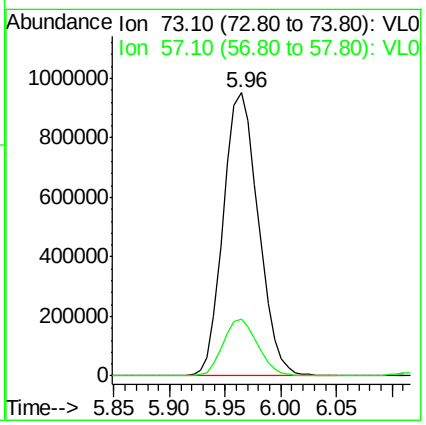


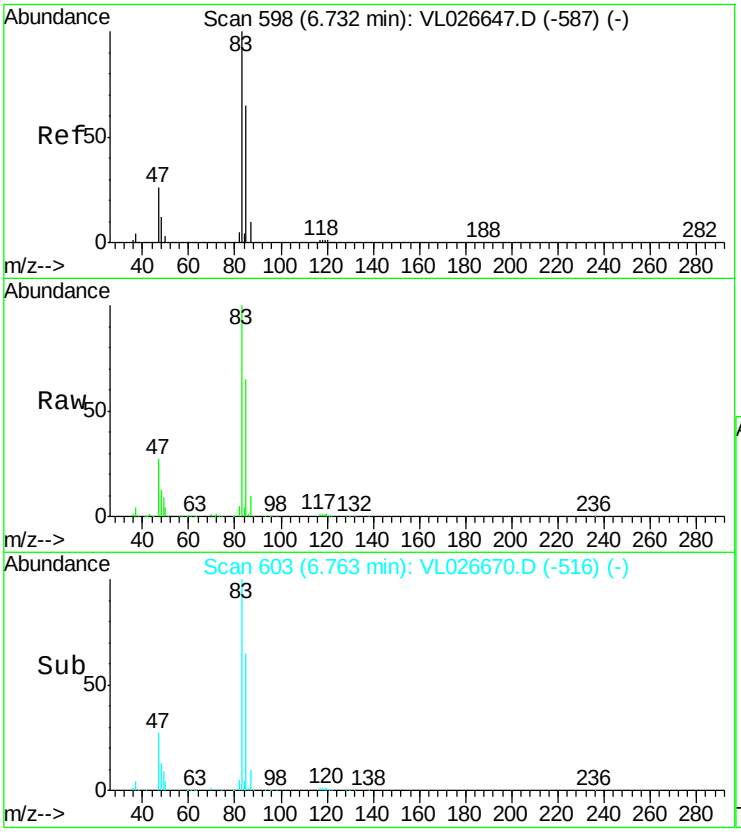


#28
Methyl tert-Butyl Ether
Concen: 9.91 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 73 Resp: 2086985

Ion	Ratio	Lower	Upper
73	100		
57	19.8	16.2	24.4



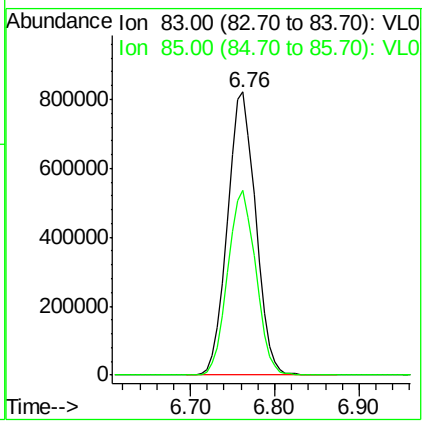


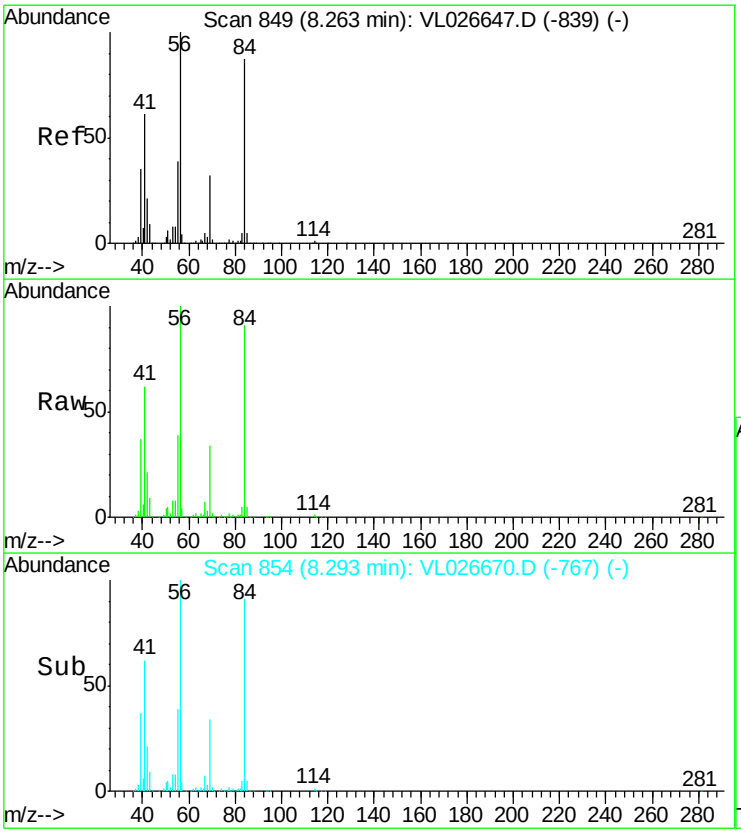
#29
Chloroform
Concen: 9.69 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1863762

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4

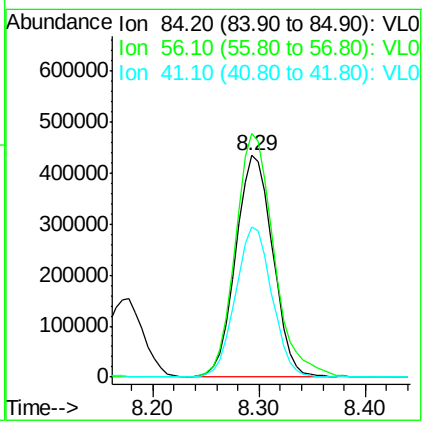


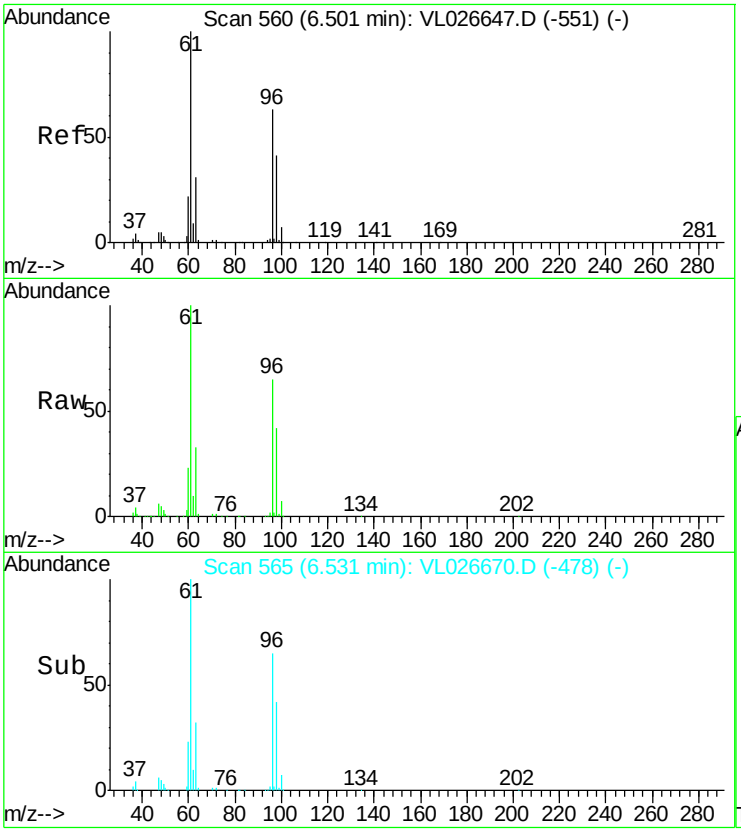


#30
Cyclohexane
Concen: 10.22 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 84 Resp: 1068857

Ion	Ratio	Lower	Upper
84	100		
56	114.1	95.9	143.9
41	66.6	54.8	82.2



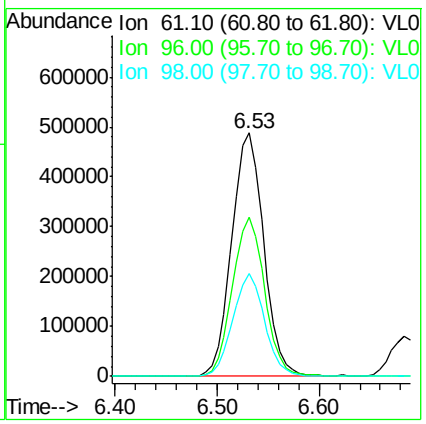


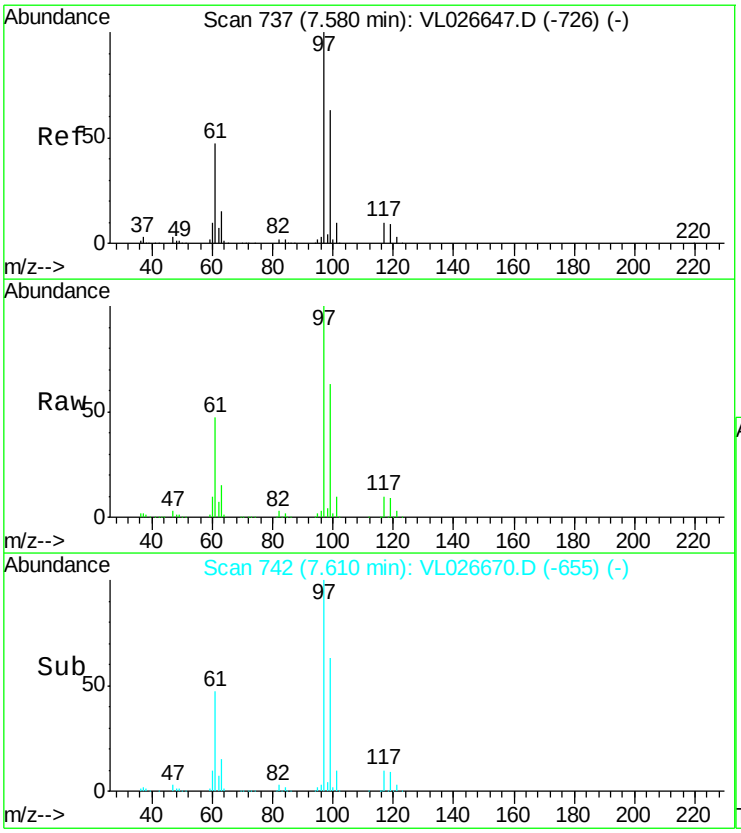
#31
cis-1,2-Dichloroethene
Concen: 9.97 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1064780

Ion	Ratio	Lower	Upper
61	100		
96	65.4	50.2	75.4
98	42.2	32.4	48.6

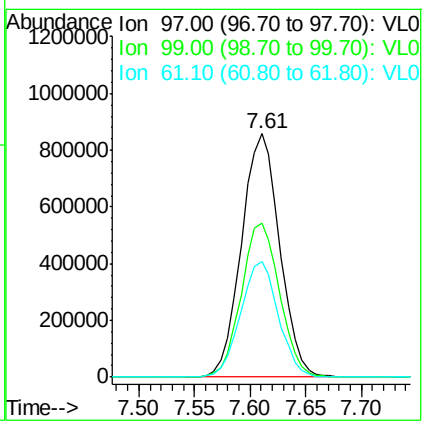


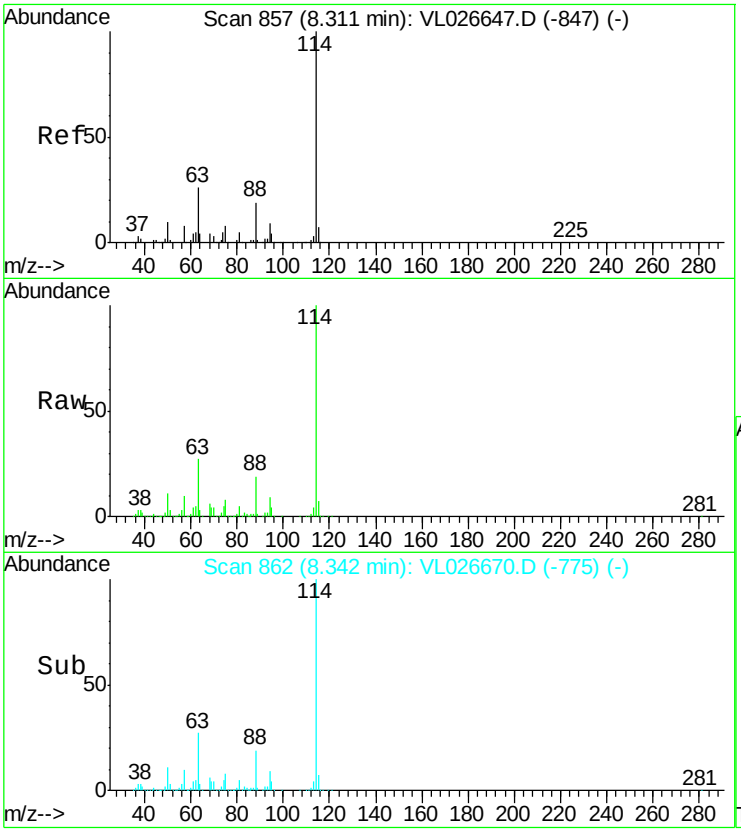


#32
1,1,1-Trichloroethane
Concen: 9.45 ppbv
RT: 7.61 min Scan# 742
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 97 Resp: 2051766

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.8	76.2
61	47.0	38.9	58.3



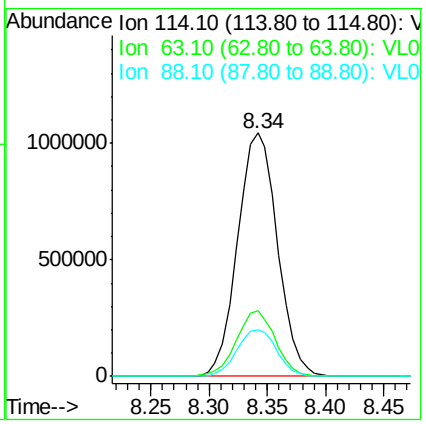


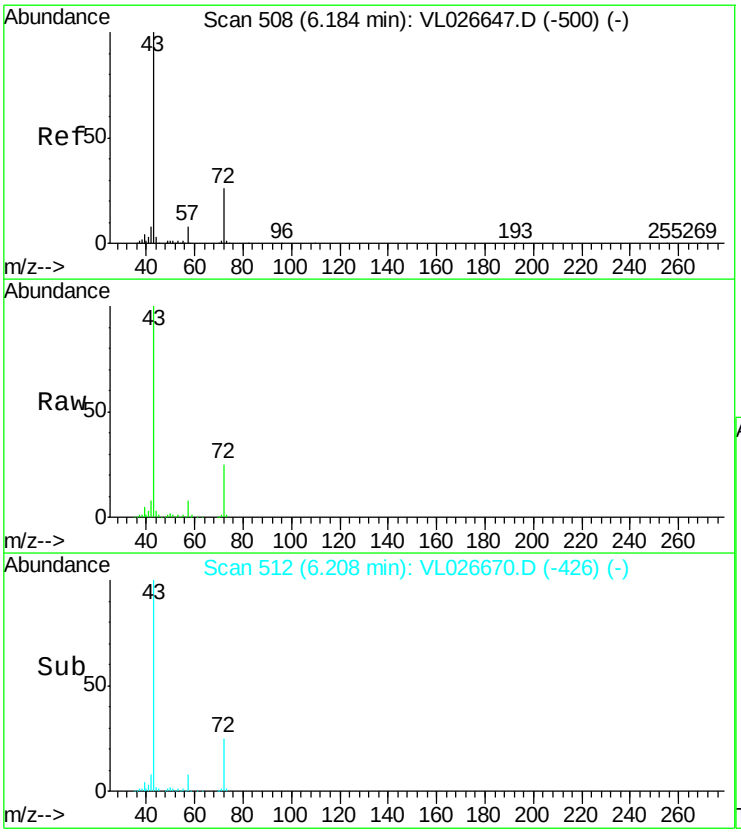
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2494563

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.7	32.5
88	19.2	15.2	22.8

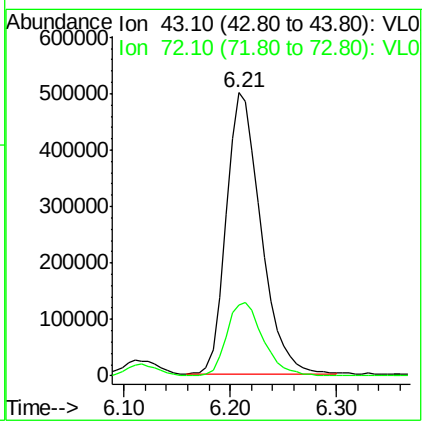


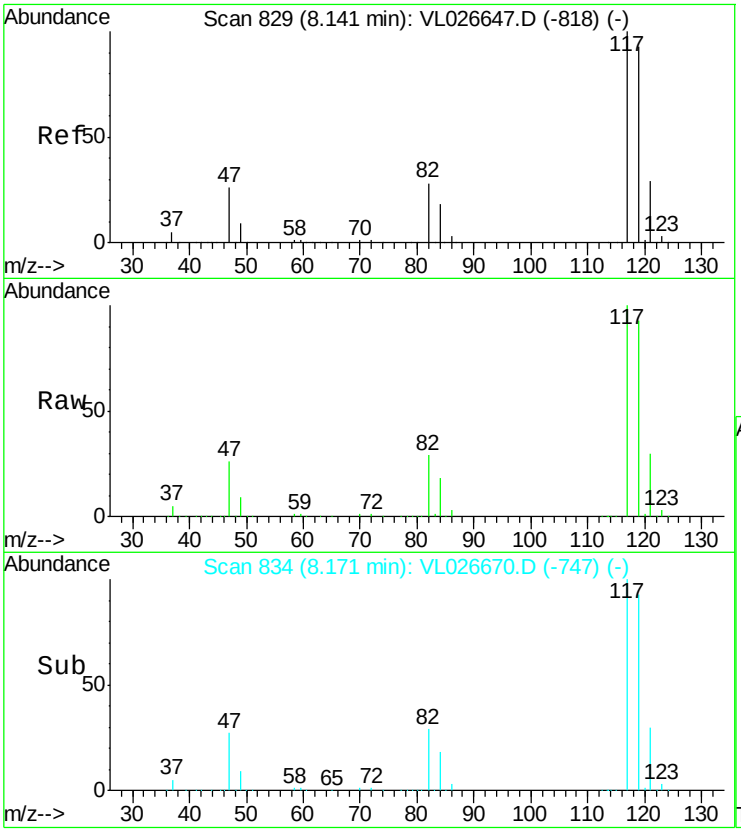


#34
2-Butanone
Concen: 8.56 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.02 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1138813

Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.9	31.3

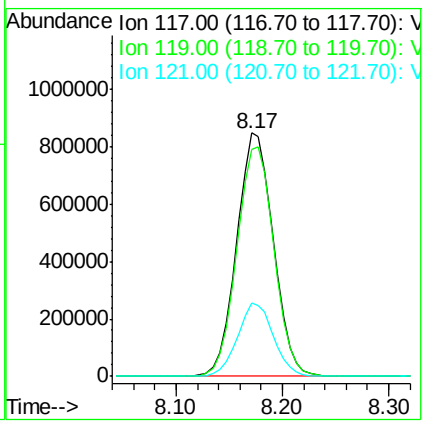




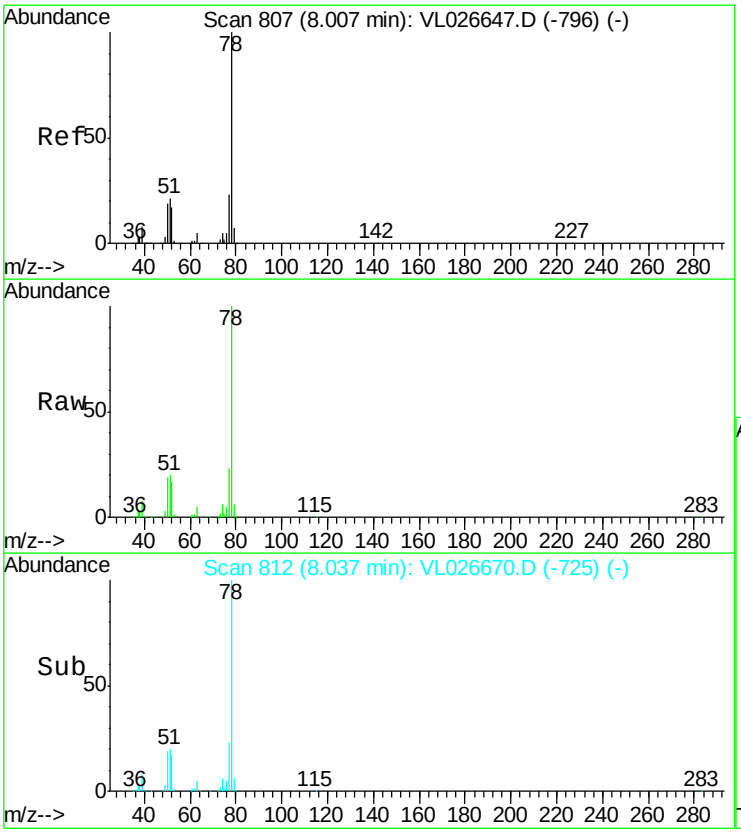
#35
Carbon Tetrachloride
Concen: 9.35 ppbv
RT: 8.17 min Scan# 834
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:117 Resp: 2051941

Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.7	112.1
121	30.2	23.1	34.7



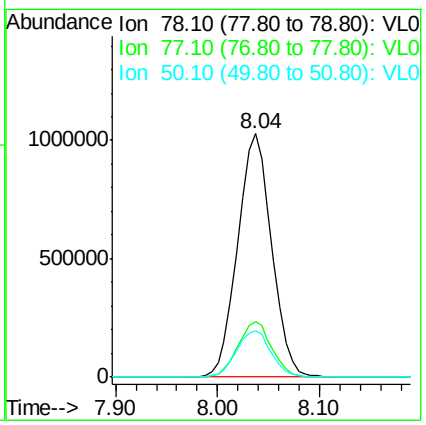
Instrument :
MSVOA_L
ClientSampleId :

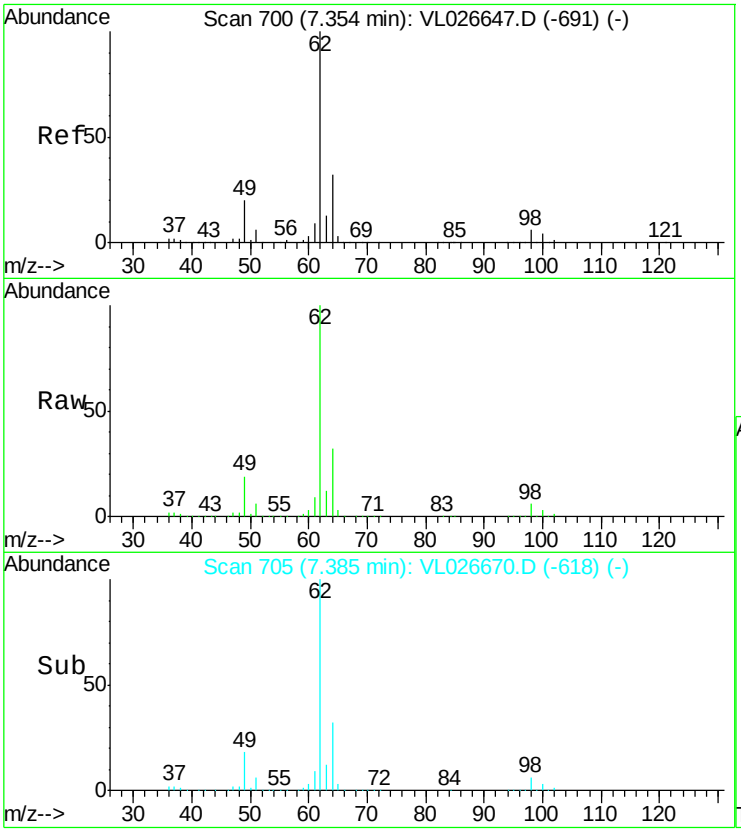


#36
Benzene
Concen: 9.26 ppbv
RT: 8.04 min Scan# 812
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 78 Resp: 2378415

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.5	27.7
50	19.0	15.4	23.2

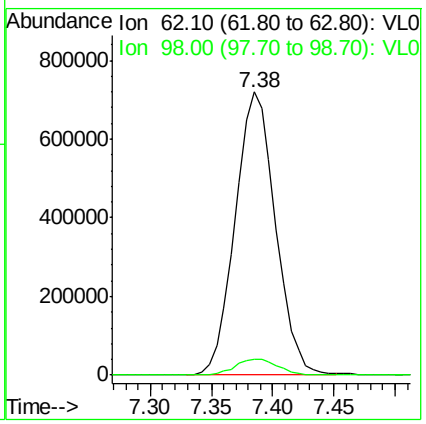




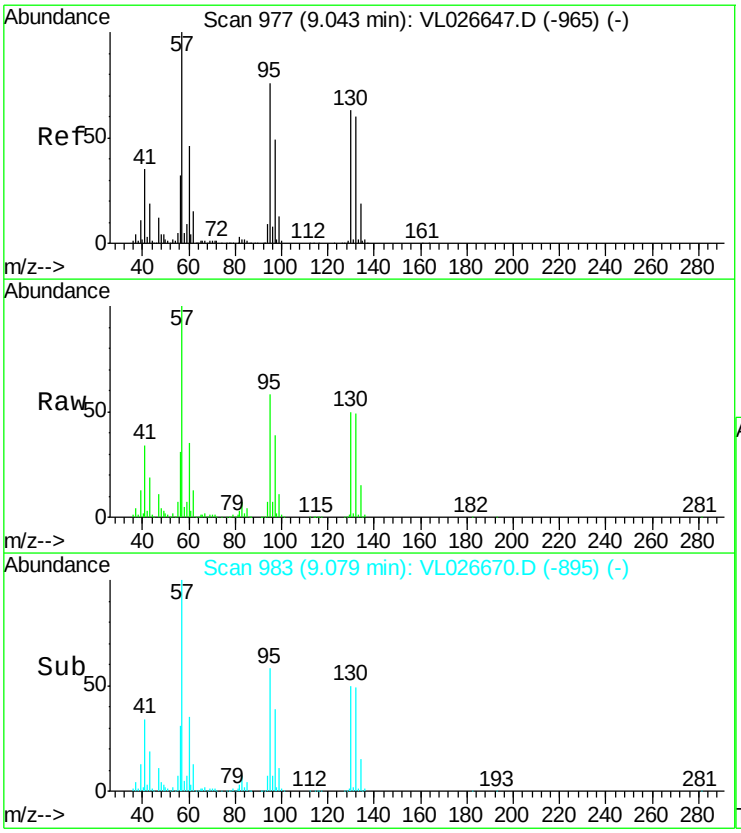
#37
1,2-Dichloroethane
Concen: 9.39 ppbv
RT: 7.38 min Scan# 705
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 62 Resp: 1649161

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.8	7.2



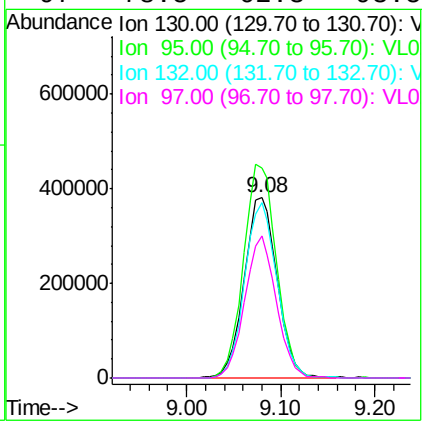
Instrument :
MSVOA_L
ClientSampleId :

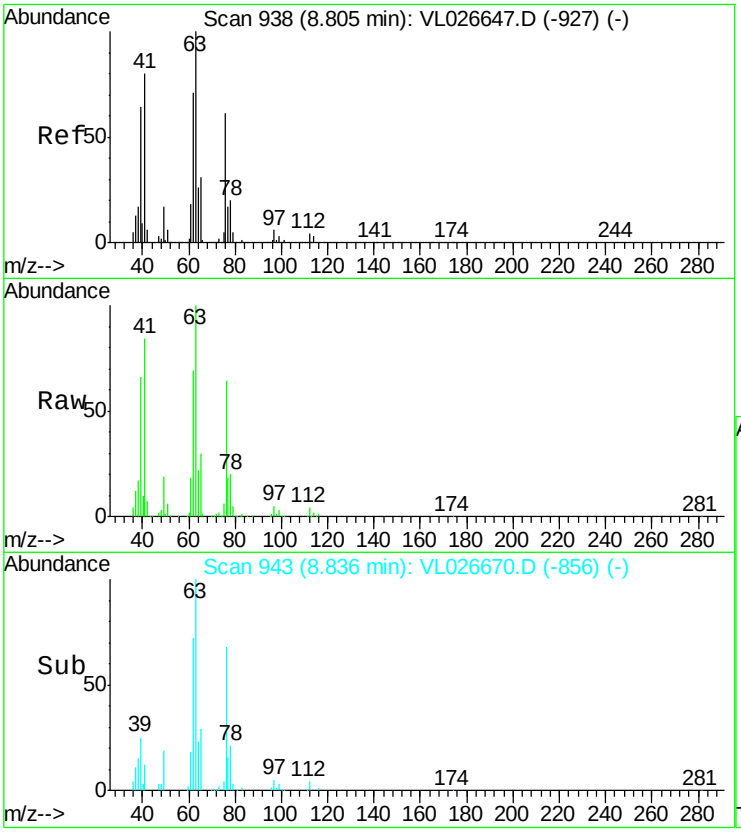


#38
Trichloroethene
Concen: 8.20 ppbv
RT: 9.08 min Scan# 983
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:130 Resp: 939509

Ion	Ratio	Lower	Upper
130	100		
95	116.4	96.6	145.0
132	97.4	76.2	114.4
97	78.5	62.3	93.5



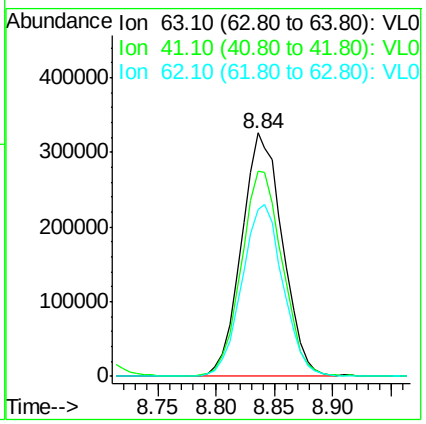


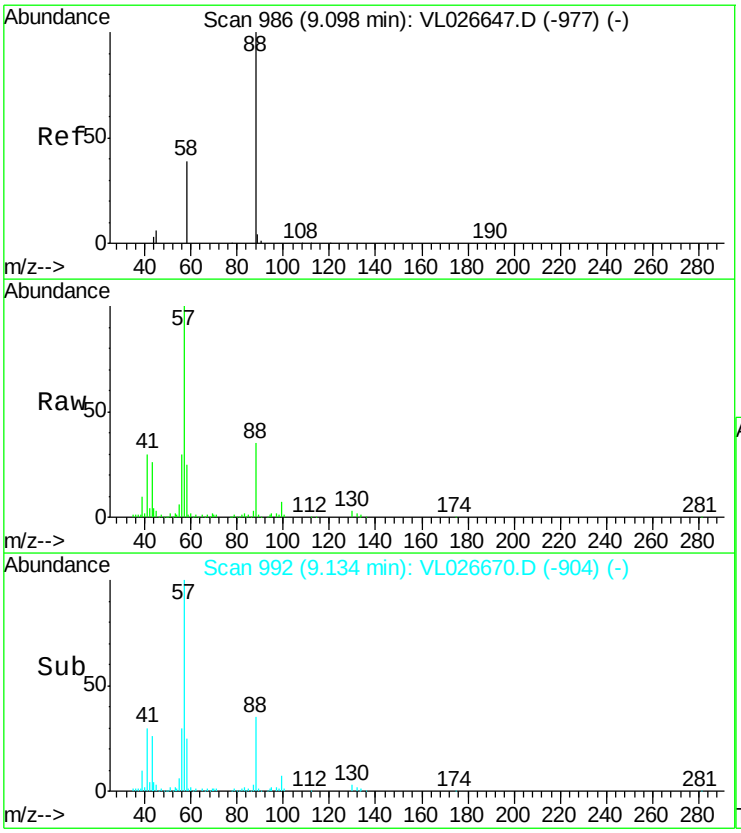
#39
1,2-Dichloropropane
Concen: 8.97 ppbv
RT: 8.84 min Scan# 943
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 795966

Ion	Ratio	Lower	Upper
63	100		
41	84.1	64.1	96.1
62	68.7	56.6	84.8

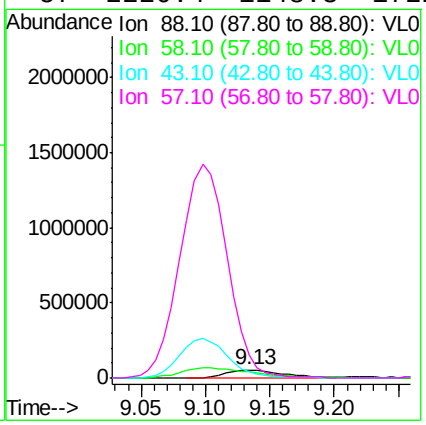


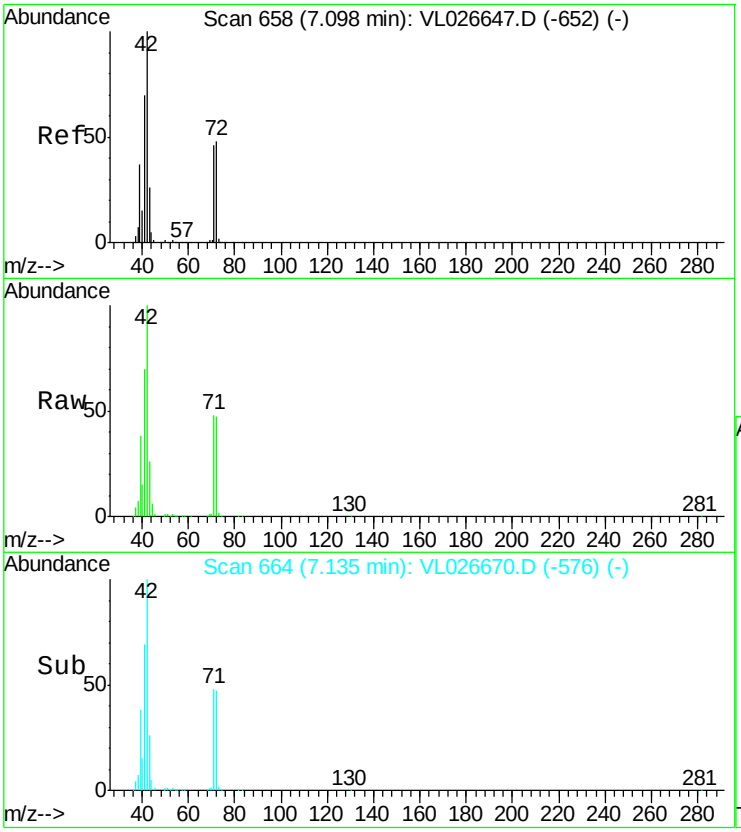


#40
1,4-Dioxane
Concen: 8.10 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 88 Resp: 165221

Ion	Ratio	Lower	Upper
88	100		
58	173.9	109.4	164.2#
43	430.0	238.2	357.2#
57	2220.4	1148.3	1722.5#



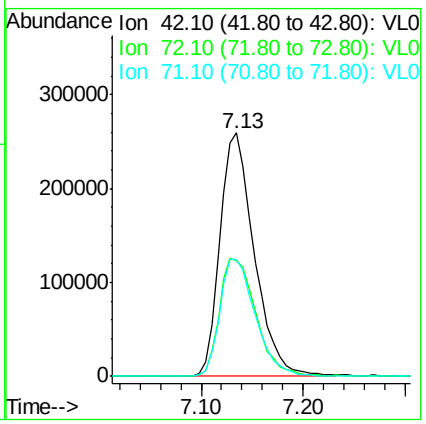


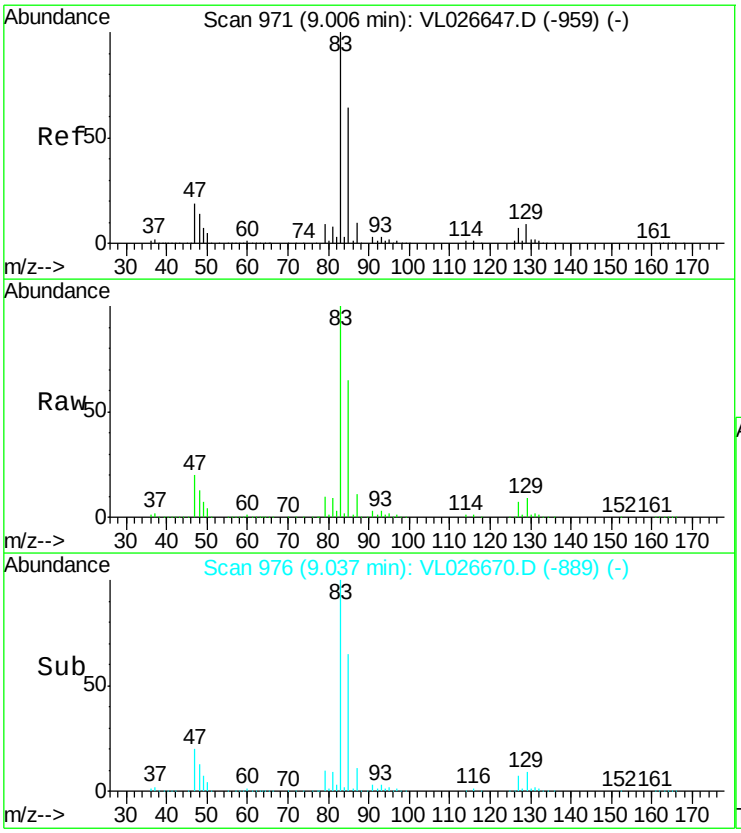
#41
Tetrahydrofuran
Concen: 9.23 ppbv
RT: 7.13 min Scan# 664
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 607963

Ion	Ratio	Lower	Upper
42	100		
72	51.6	40.6	60.8
71	49.8	38.4	57.6

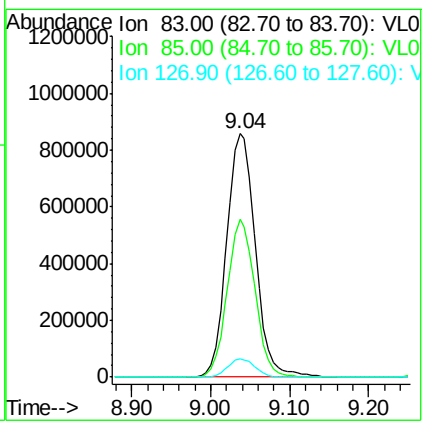


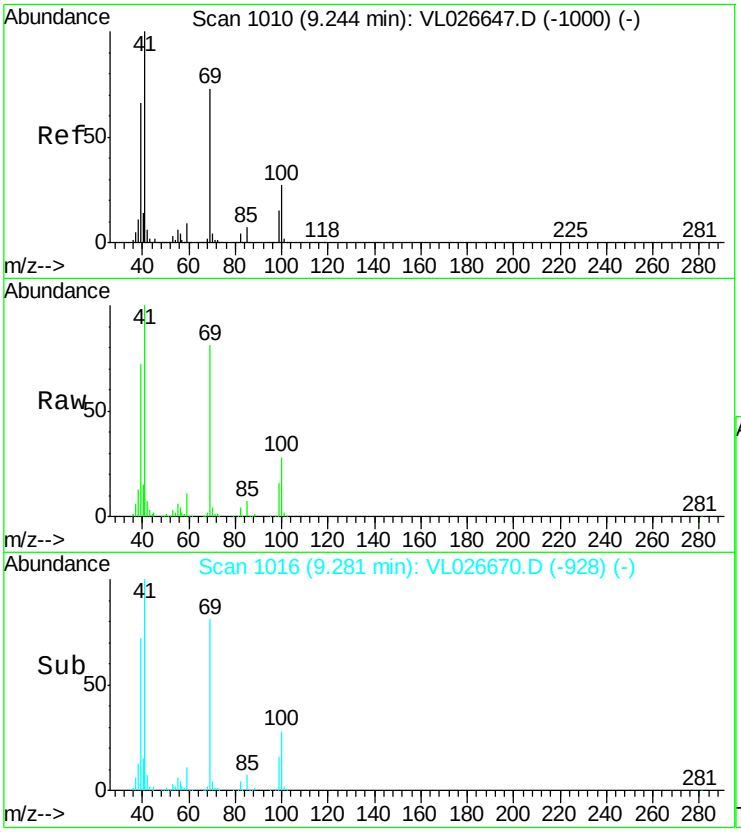


#42
Bromodichloromethane
Concen: 9.59 ppbv
RT: 9.04 min Scan# 976
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 83 Resp: 2174656

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	7.5	5.5	8.3



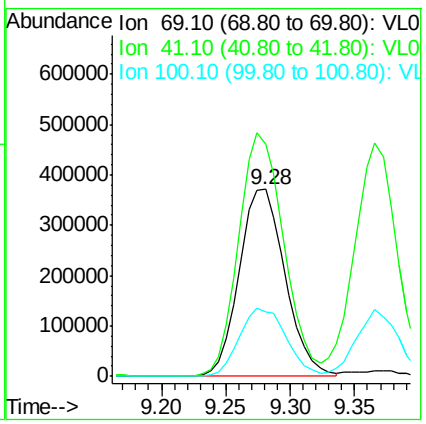


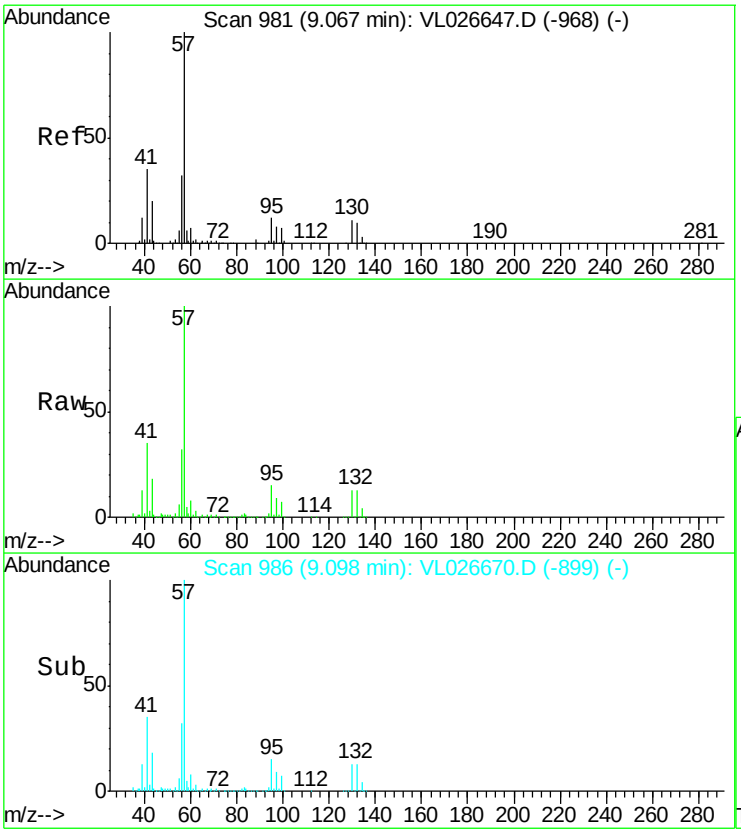
#43
Methyl Methacrylate
Concen: 9.79 ppbv
RT: 9.28 min Scan# 1016
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 917831

Ion	Ratio	Lower	Upper
69	100		
41	128.0	106.1	159.1
100	37.2	29.0	43.4

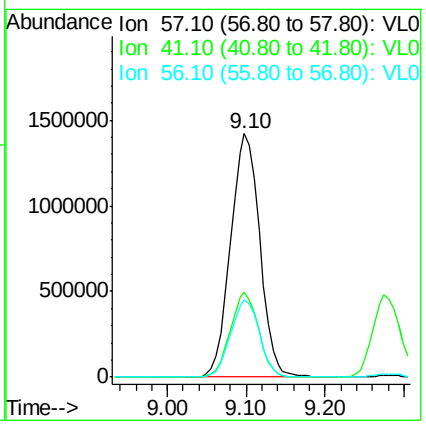


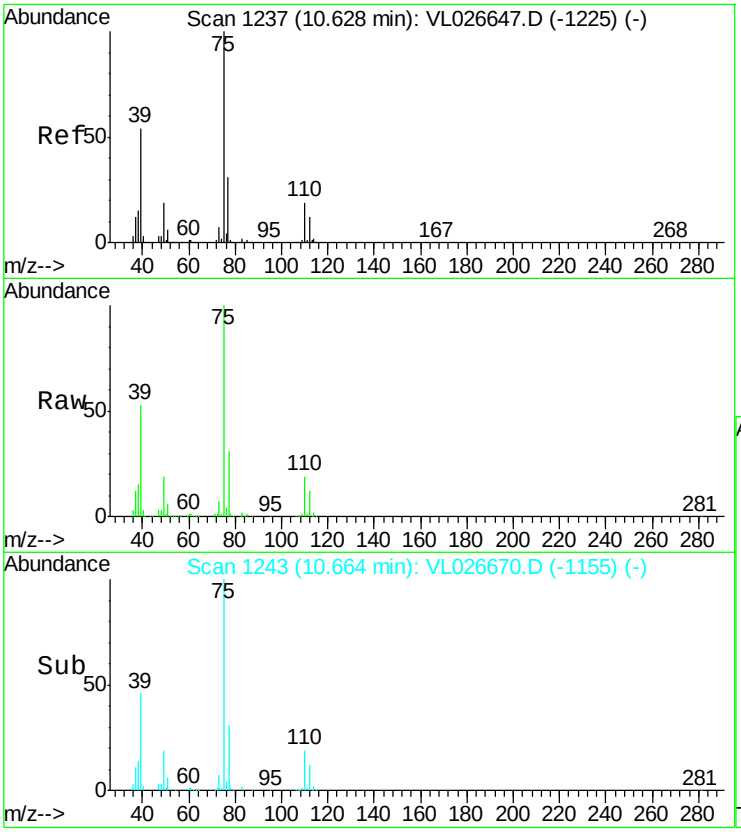


#44
2,2,4-Trimethylpentane
Concen: 8.84 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 57 Resp: 3665362

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.9	40.3
56	31.2	25.4	38.0



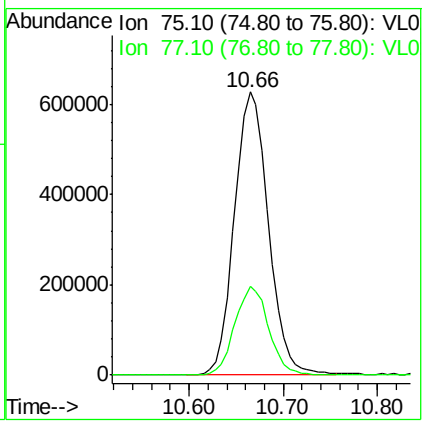


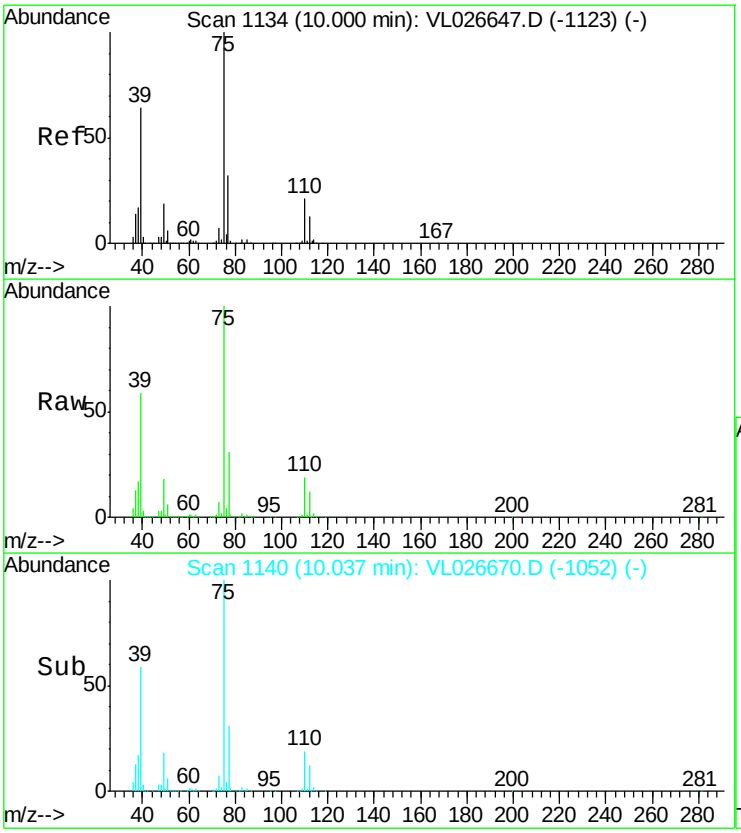
#45
t-1,3-Dichloropropene
Concen: 10.47 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1588778

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	37.0

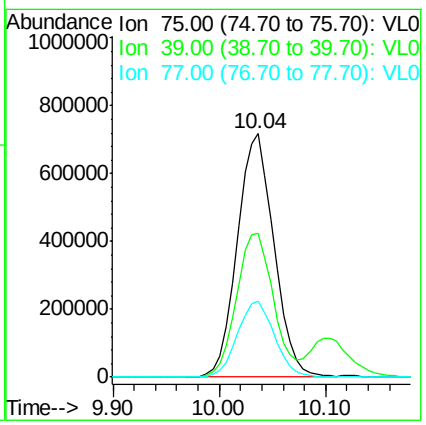


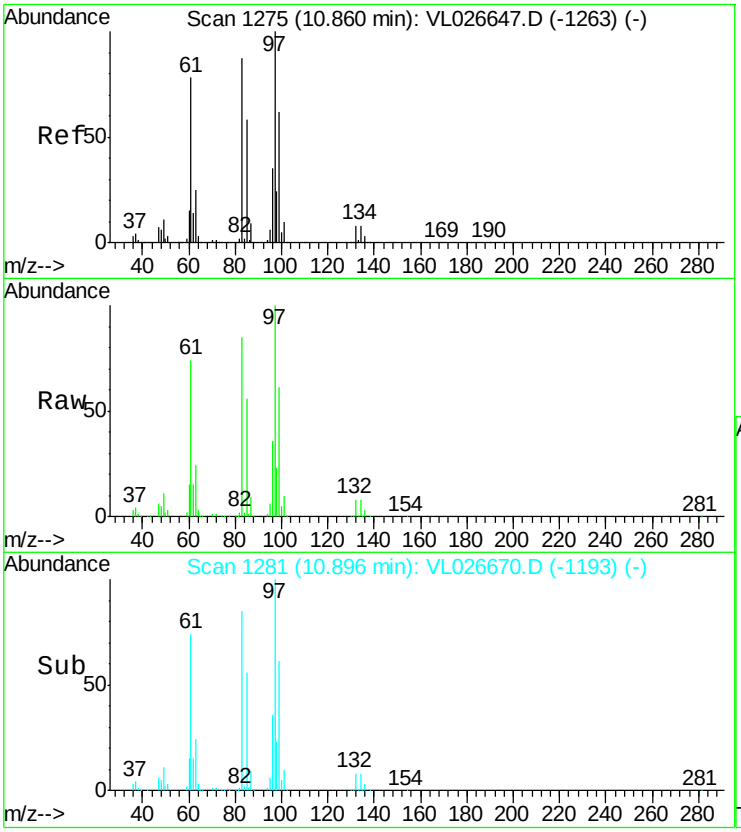


#46
cis-1,3-Dichloropropene
Concen: 10.07 ppbv
RT: 10.04 min Scan# 1140
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 75 Resp: 1738773

Ion	Ratio	Lower	Upper
75	100		
39	59.0	51.2	76.8
77	31.1	25.9	38.9



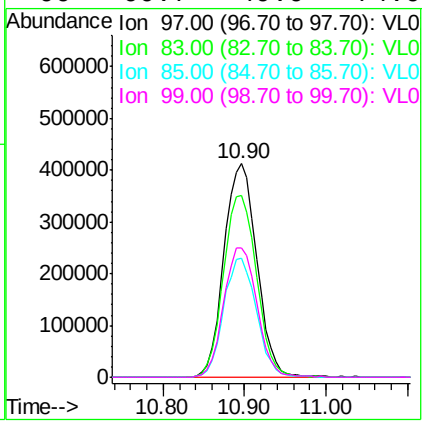


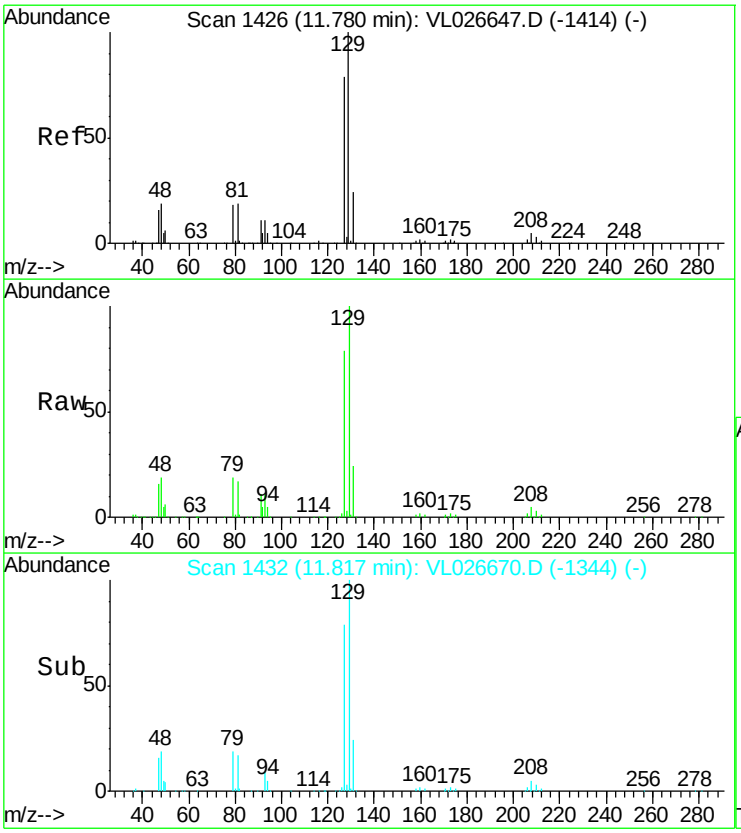
#47
1,1,2-Trichloroethane
Concen: 9.08 ppbv
RT: 10.90 min Scan# 1281
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1148379

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.5	104.3
85	55.6	46.4	69.6
99	60.7	49.9	74.9

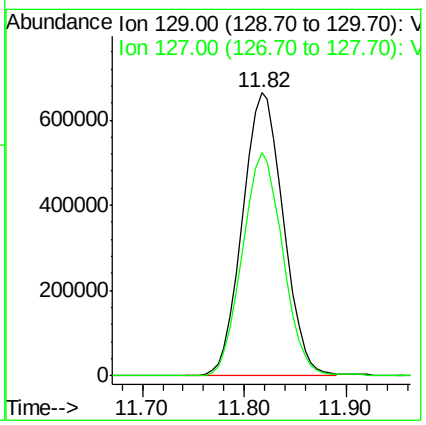


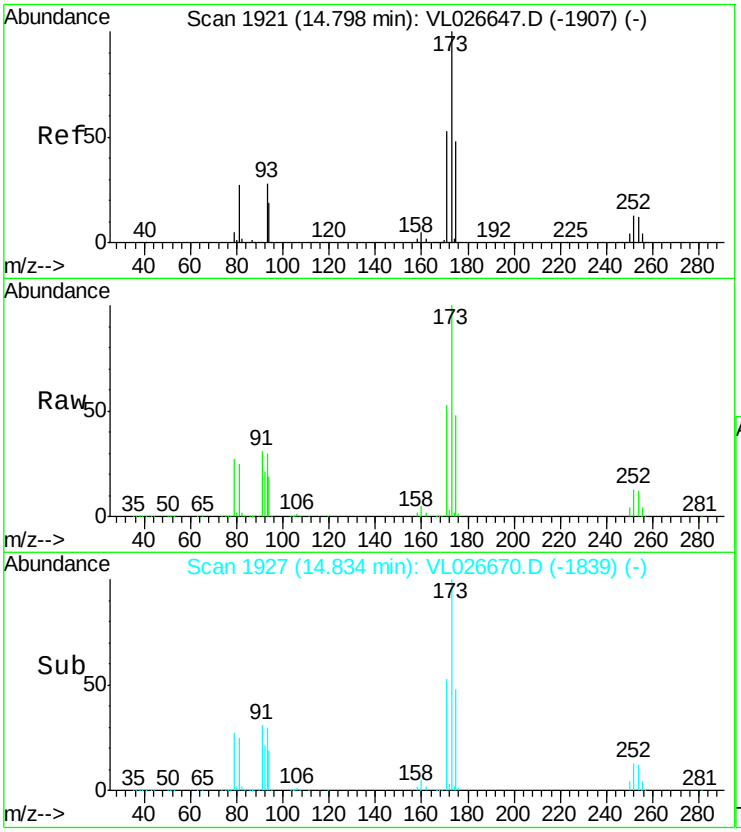


#48
Dibromochloromethane
Concen: 9.76 ppbv
RT: 11.82 min Scan# 1432
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:129 Resp: 1853128

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.5



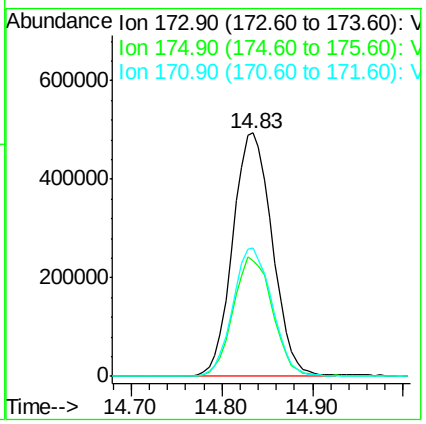


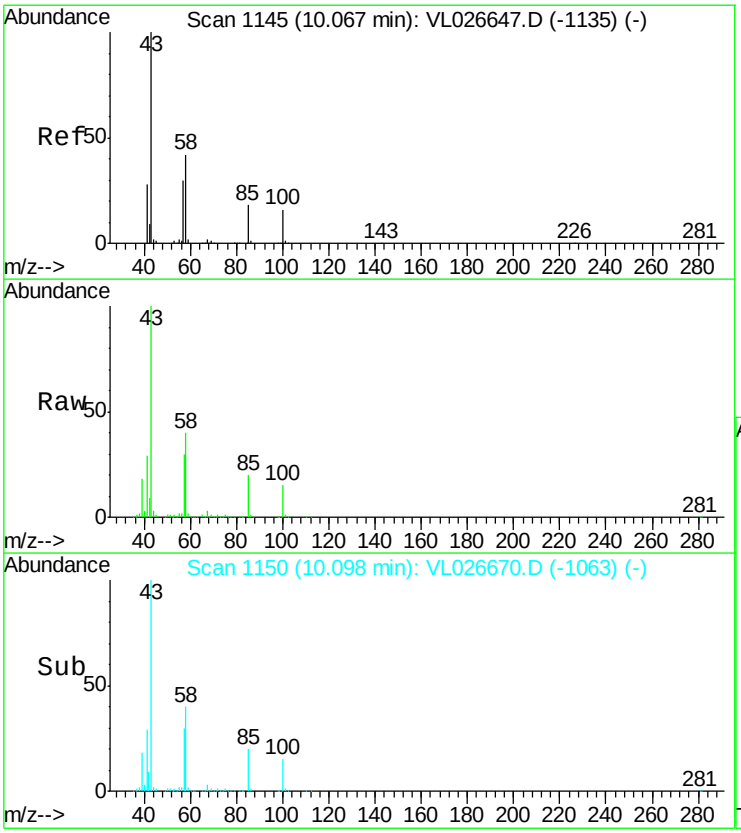
#49
Bromoform
Concen: 9.69 ppbv
RT: 14.83 min Scan# 1927
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1500073

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	58.0
171	52.9	41.5	62.3

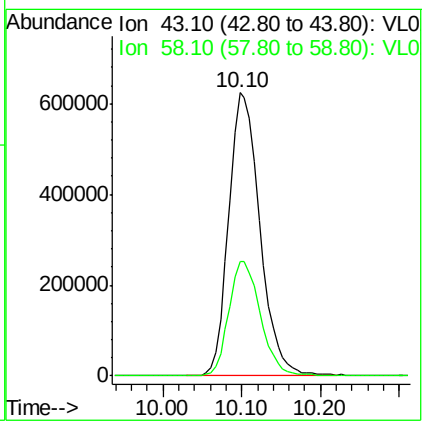


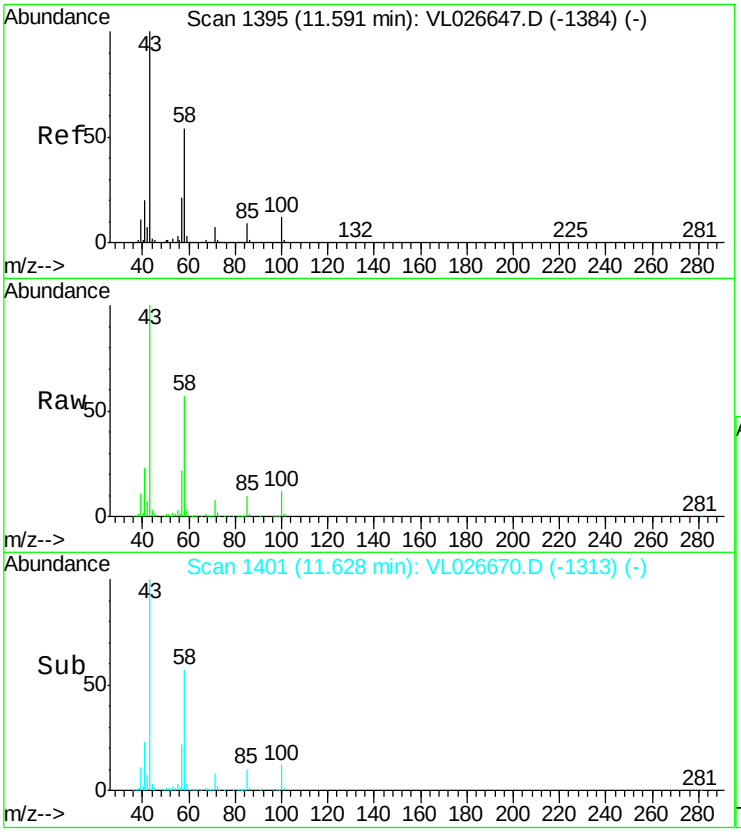


#50
4-Methyl-2-Pentanone
Concen: 9.18 ppbv
RT: 10.10 min Scan# 1150
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 43 Resp: 1715891

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.4	48.6



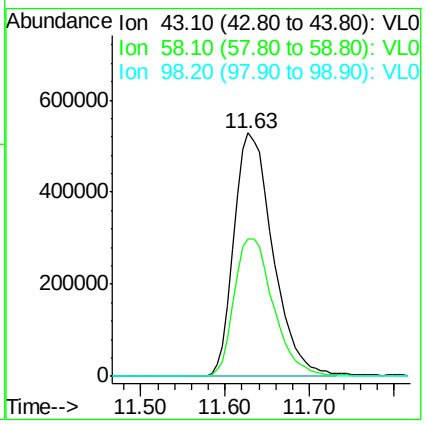


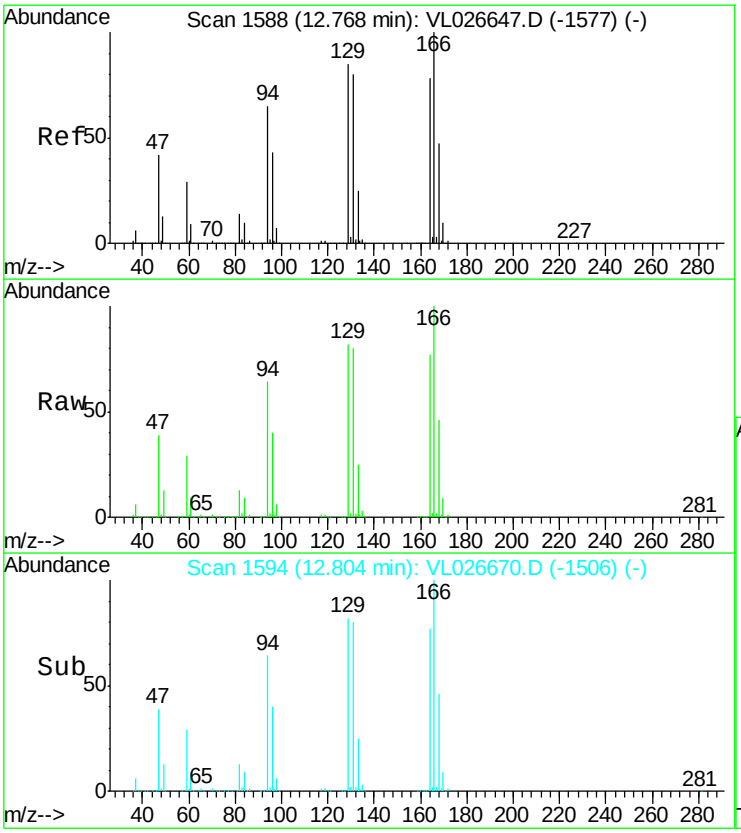
#51
2-Hexanone
Concen: 9.64 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1660418

Ion	Ratio	Lower	Upper
43	100		
58	57.5	44.9	67.3
98	0.3	0.2	0.2#

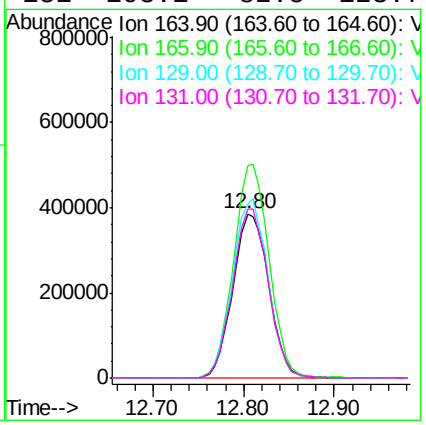


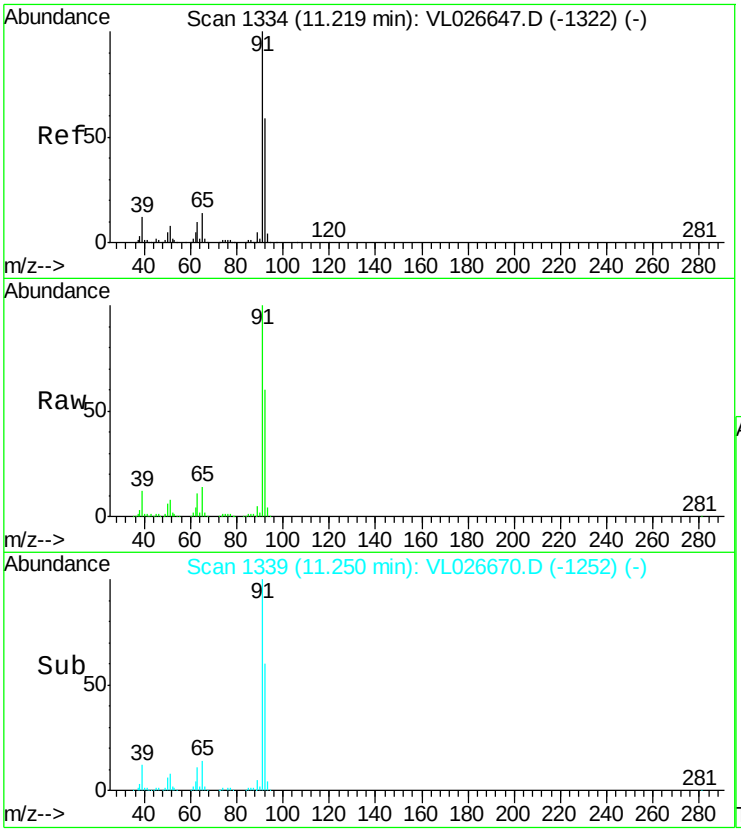


#52
Tetrachloroethene
Concen: 8.26 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:164 Resp: 1060690

Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.5	153.7
129	106.1	87.0	130.6
131	103.1	82.5	123.7



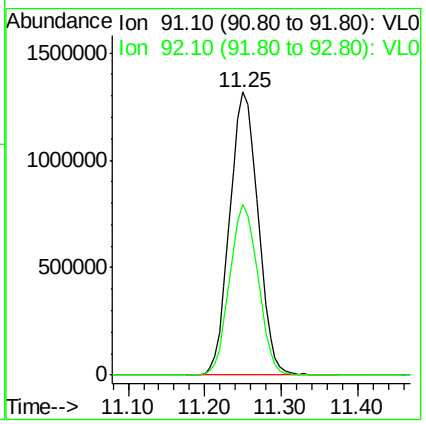


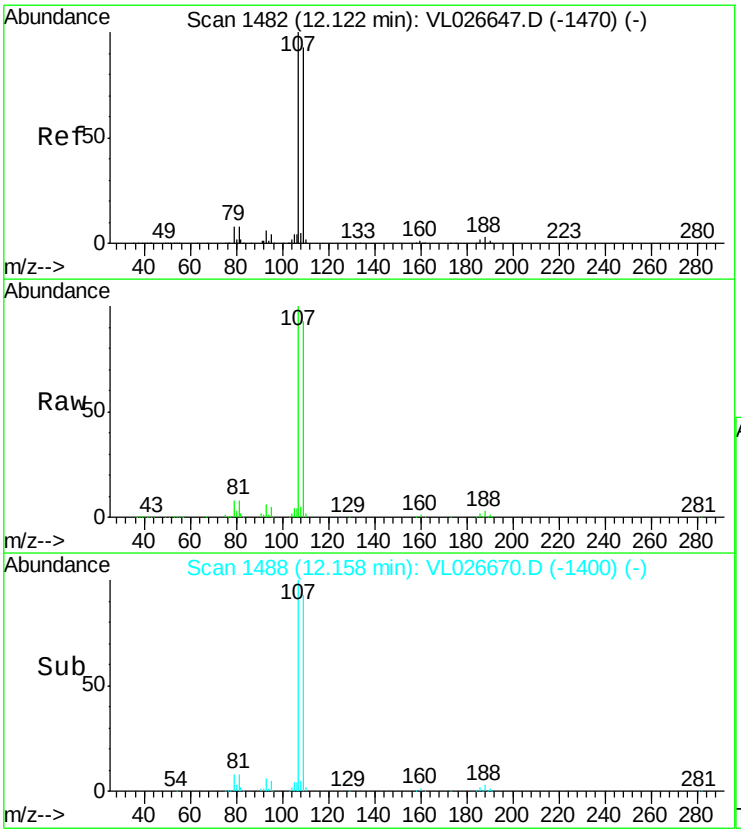
#53
Toluene
Concen: 9.41 ppbv
RT: 11.25 min Scan# 1339
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3404430

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.2	72.4

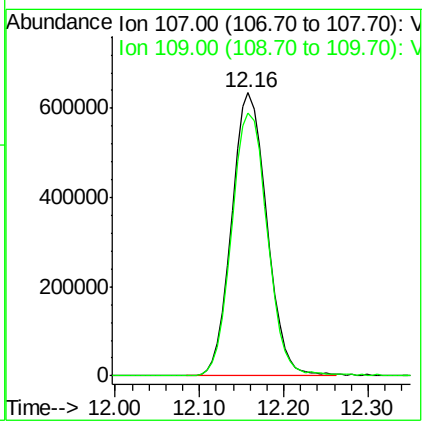


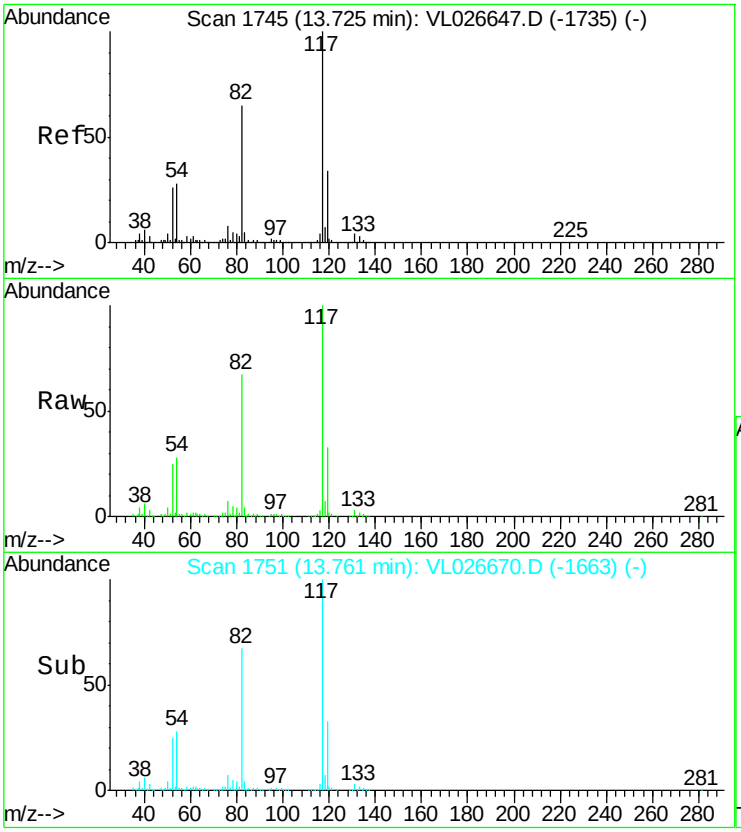


#54
1,2-Dibromoethane
Concen: 8.95 ppbv
RT: 12.16 min Scan# 1488
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:107 Resp: 1793252

Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.1	111.1



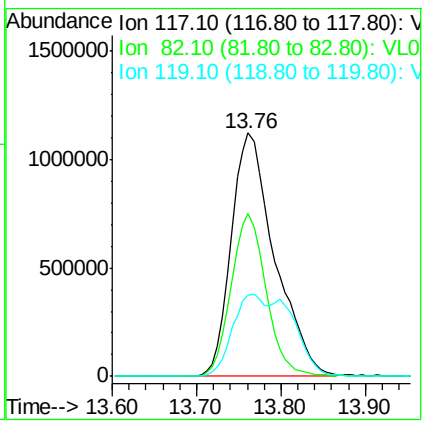


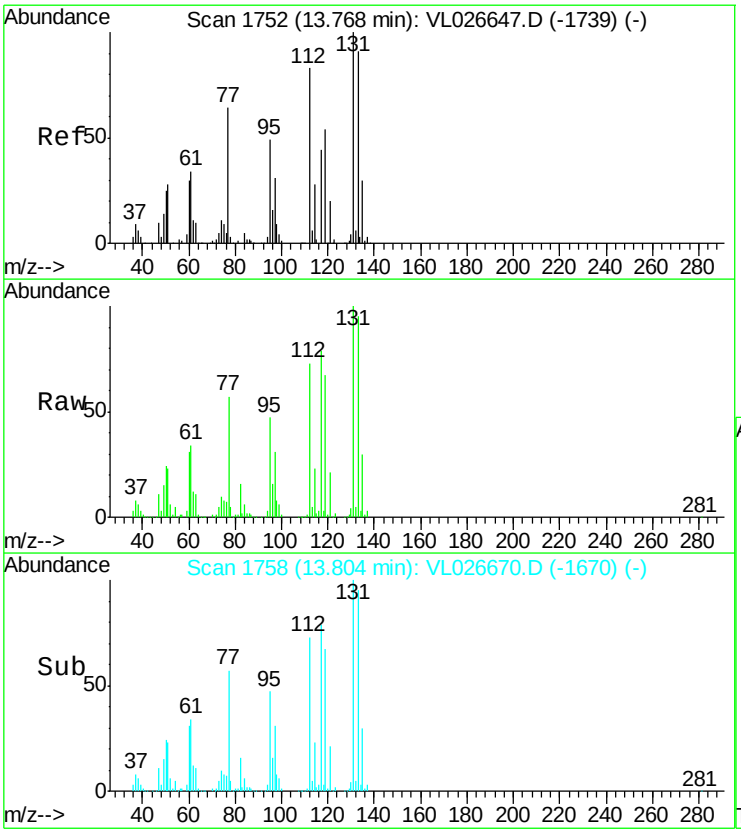
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3934119

Ion	Ratio	Lower	Upper
117	100		
82	54.2	49.7	74.5
119	46.7	43.8	65.8

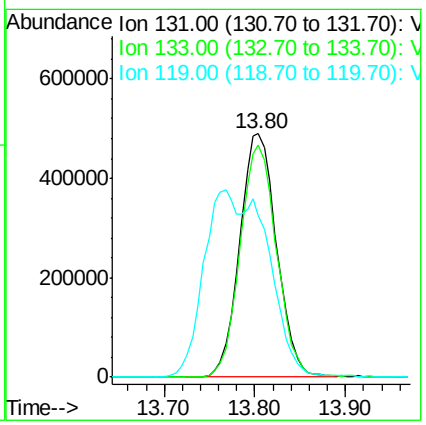


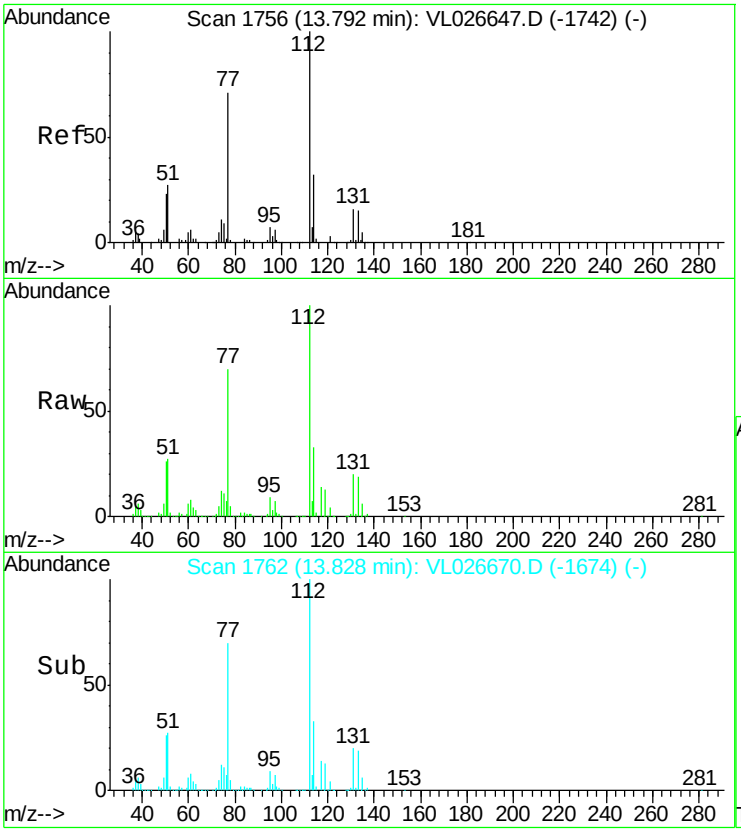


#56
1,1,1,2-Tetrachloroethane
Concen: 7.62 ppbv
RT: 13.80 min Scan# 1758
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:131 Resp: 1380733

Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.2	114.4
119	133.3	104.3	156.5



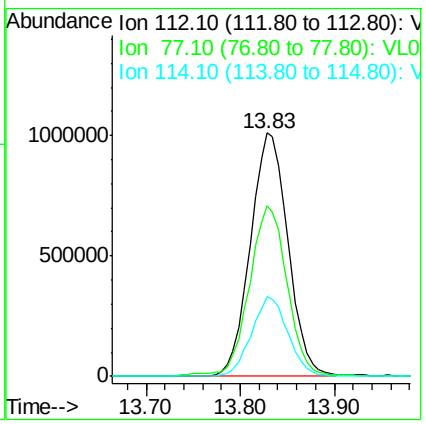


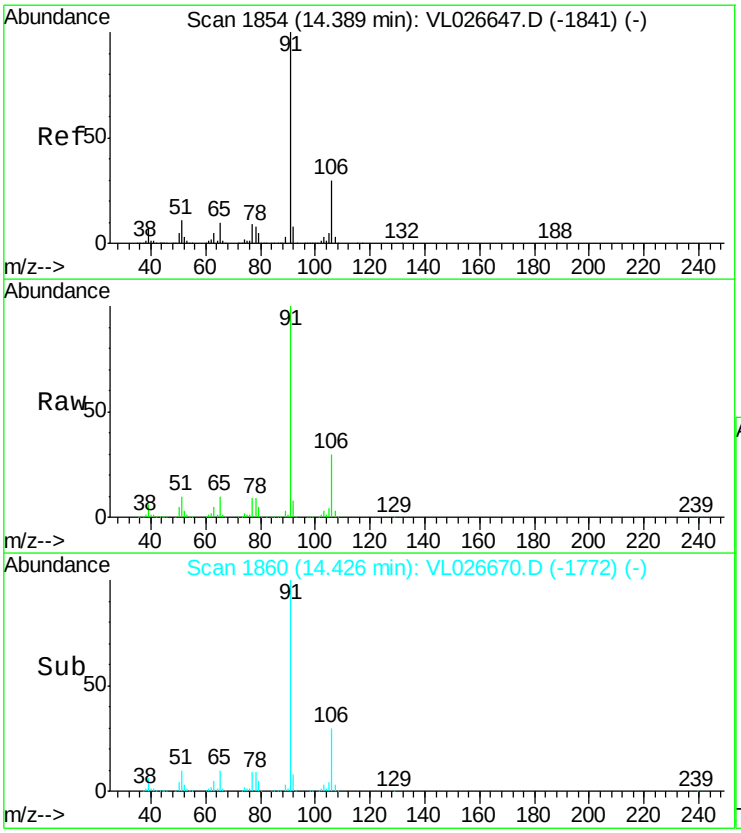
#57
Chlorobenzene
Concen: 6.98 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2826344

Ion	Ratio	Lower	Upper
112	100		
77	69.5	56.9	85.3
114	32.5	28.8	35.2

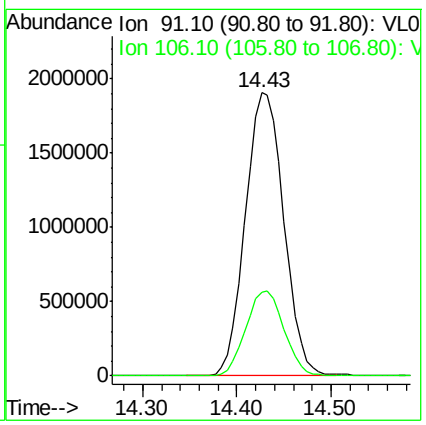


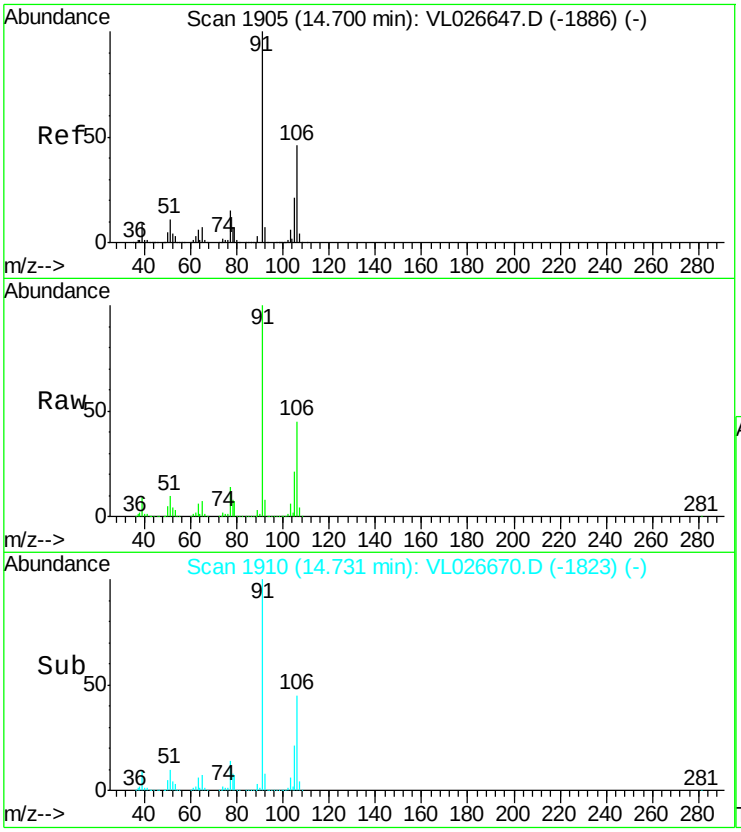


#58
Ethyl Benzene
Concen: 7.73 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 5430382

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6



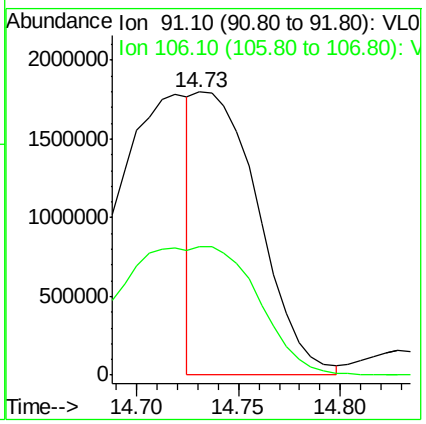


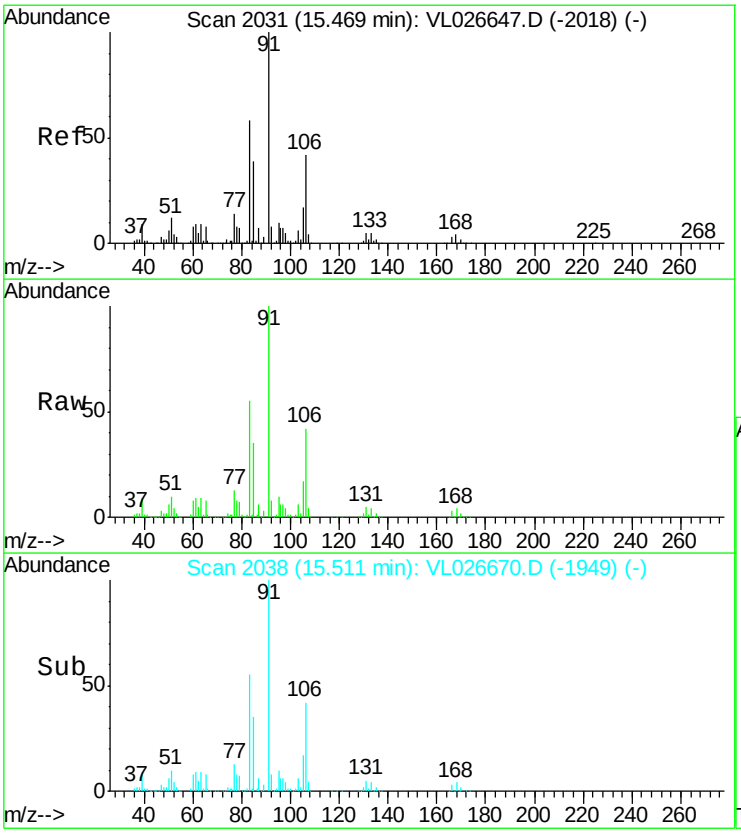
#59
m/p-Xylene
Concen: 6.68 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.03 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3868896

Ion	Ratio	Lower	Upper
91	100		
106	99.8	36.6	55.0#

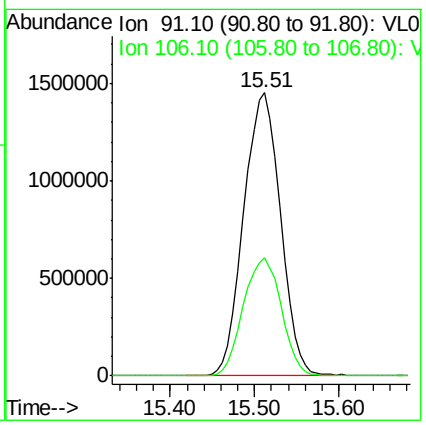


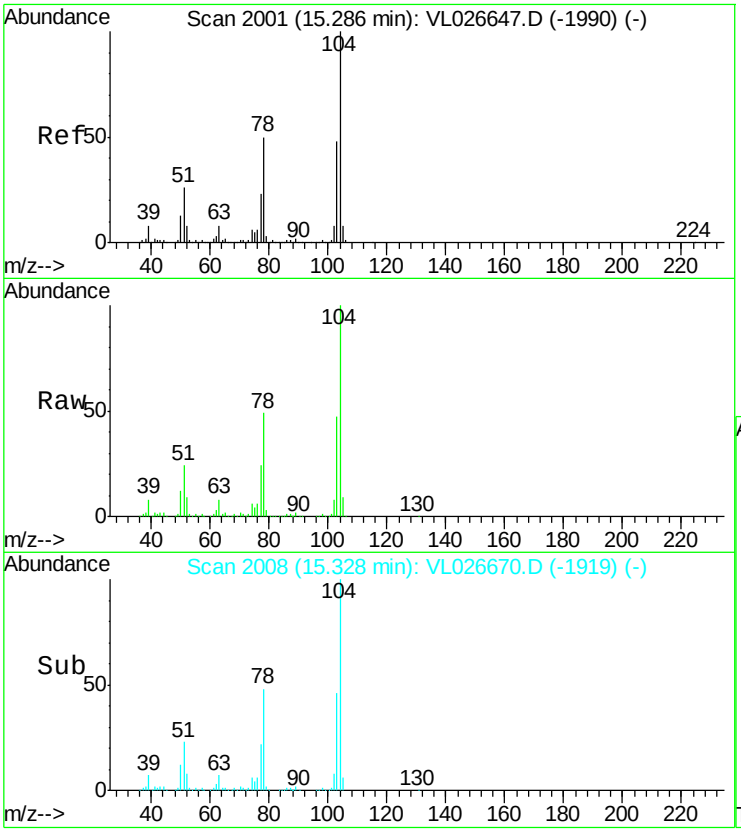


#60
o-Xylene
Concen: 6.90 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 4319742

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.5	64.5



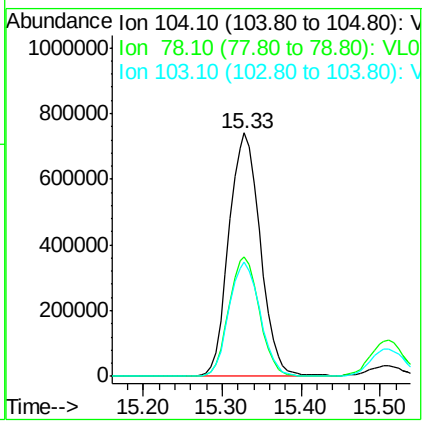


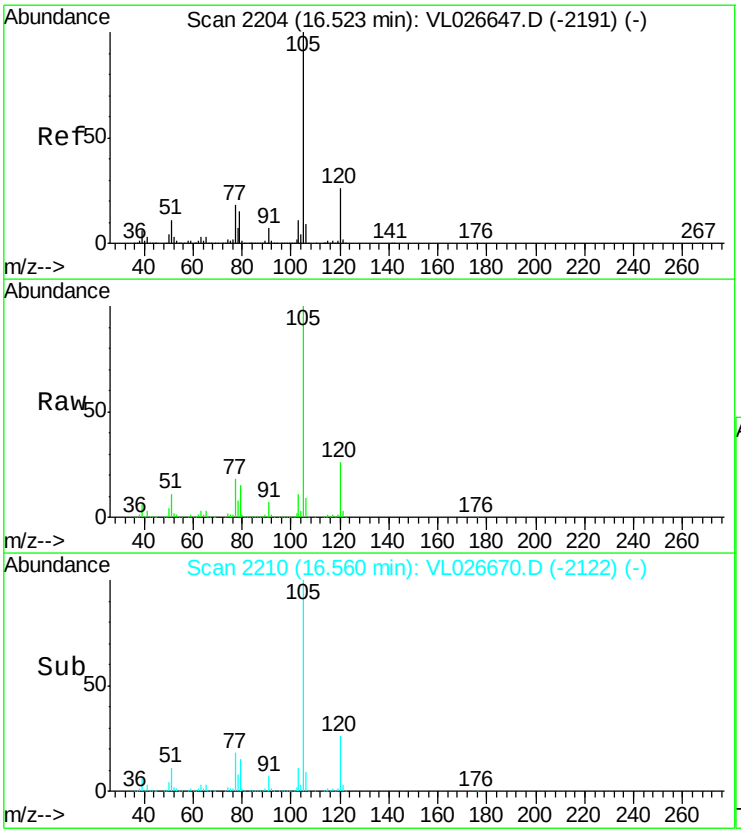
#61
Stvrene
Concen: 8.40 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2055419

Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.6	59.4
103	46.6	37.8	56.6

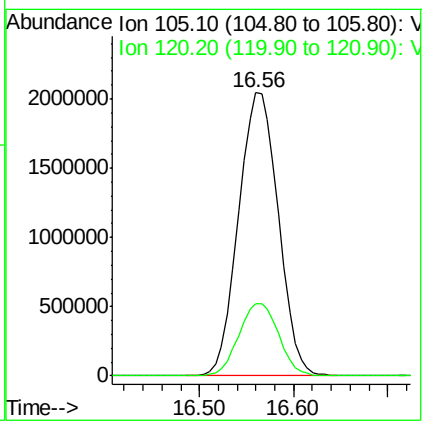


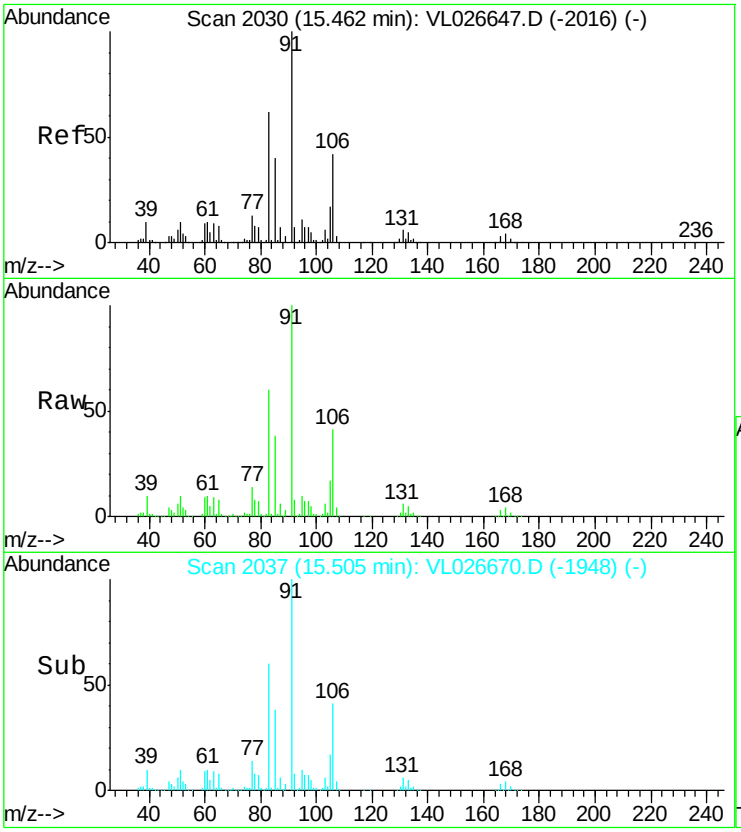


#62
Isopropylbenzene
Concen: 7.32 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:105 Resp: 6061653

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.3	30.5



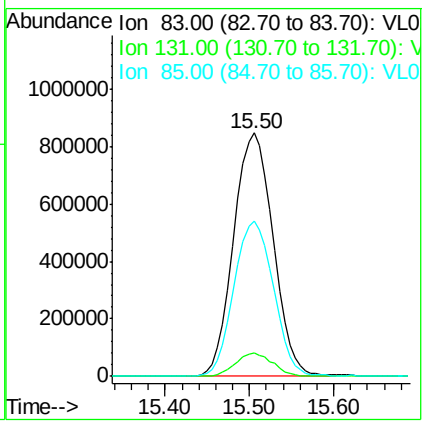


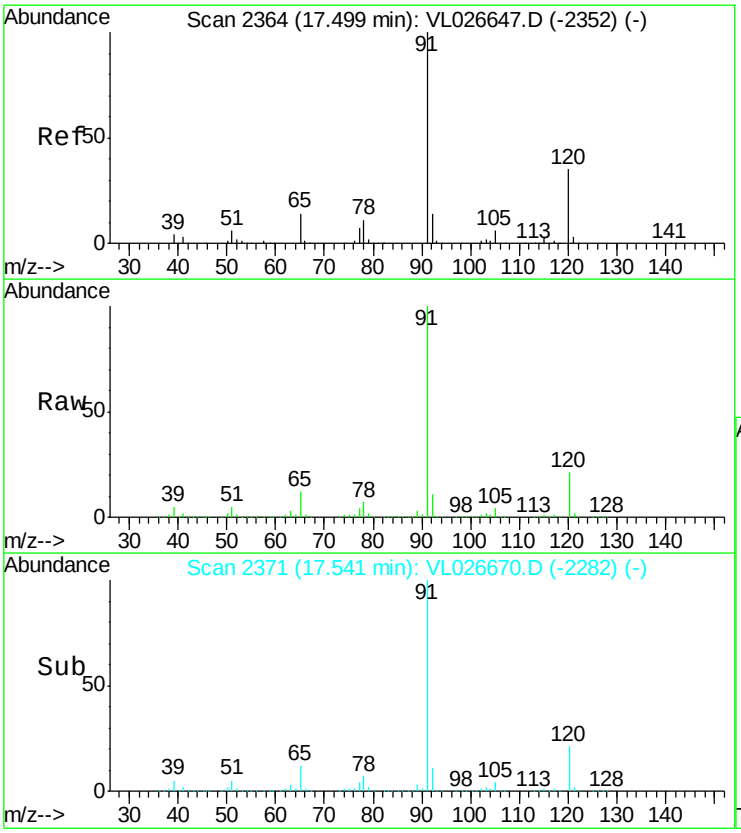
#63
1,1,2,2-Tetrachloroethane
Concen: 5.81 ppbv
RT: 15.50 min Scan# 2037
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2710366

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.4	32.6	97.7

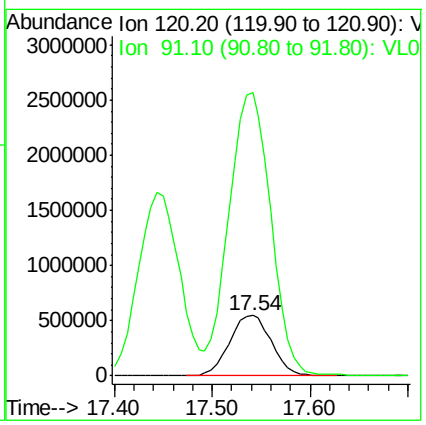


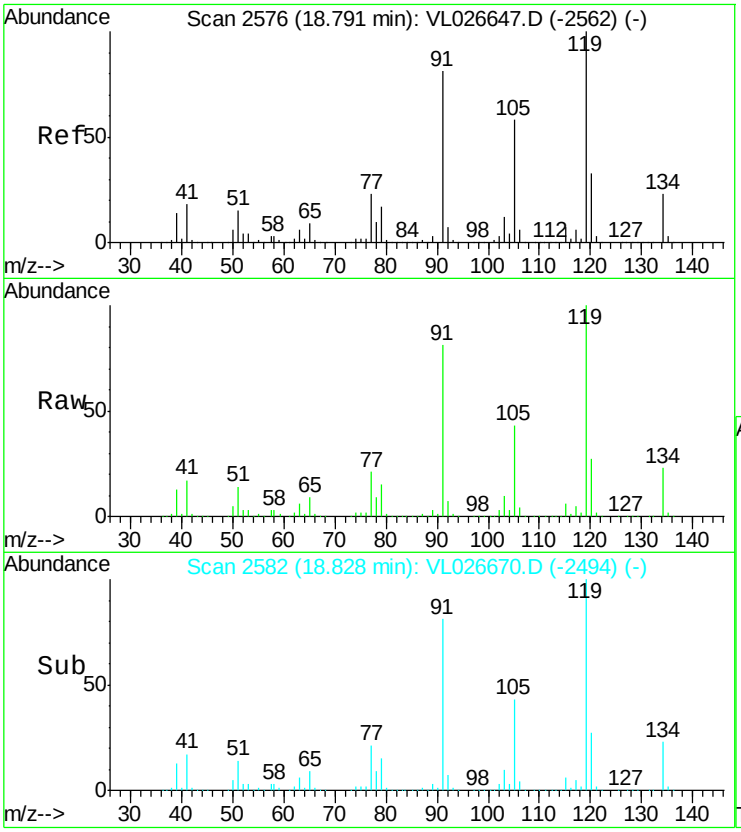


#64
n-propylbenzene
Concen: 7.29 ppbv
RT: 17.54 min Scan# 2371
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:120 Resp: 1619466

Ion	Ratio	Lower	Upper
120	100		
91	466.2	375.8	563.6



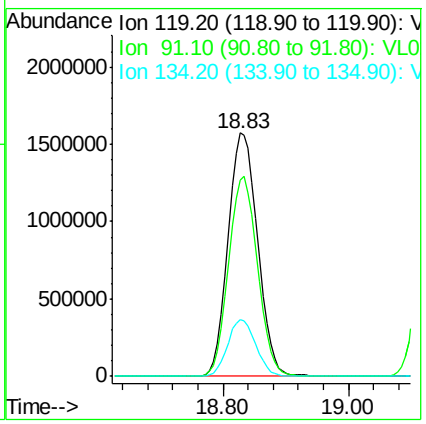


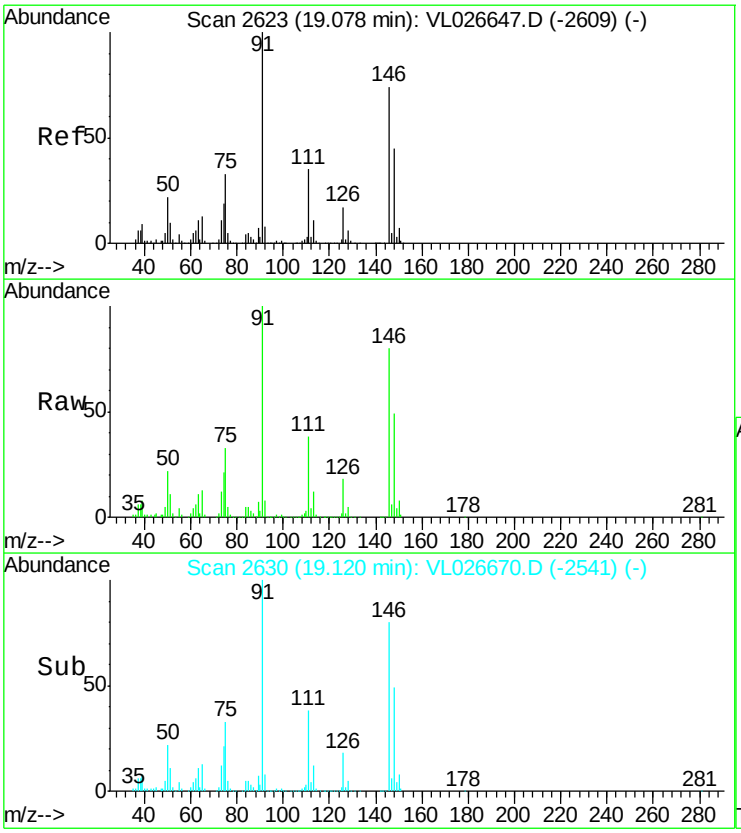
#65
tert-Butylbenzene
Concen: 6.77 ppbv
RT: 18.83 min Scan# 2582
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 5142105

Ion	Ratio	Lower	Upper
119	100		
91	80.5	64.8	97.2
134	22.2	17.4	26.0

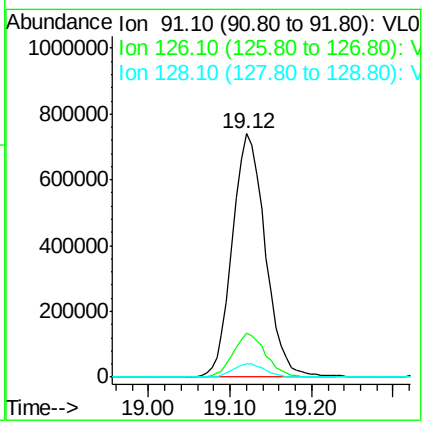


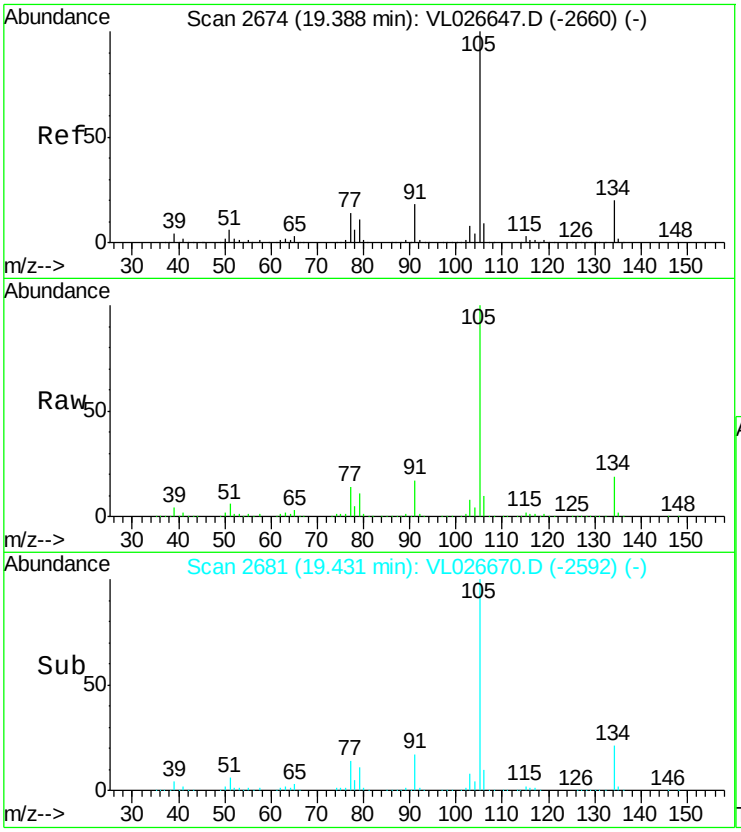


#66
Benzyl Chloride
Concen: 7.60 ppbv
RT: 19.12 min Scan# 2630
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 2061109

Ion	Ratio	Lower	Upper
91	100		
126	17.8	14.2	21.2
128	5.5	4.5	6.7



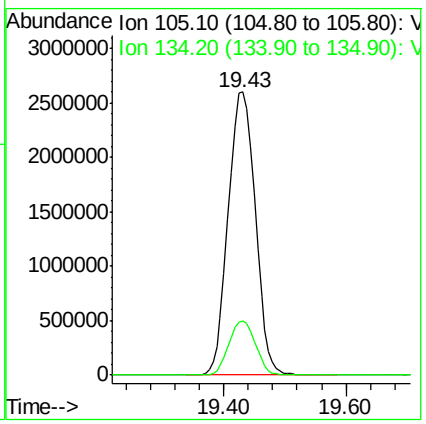


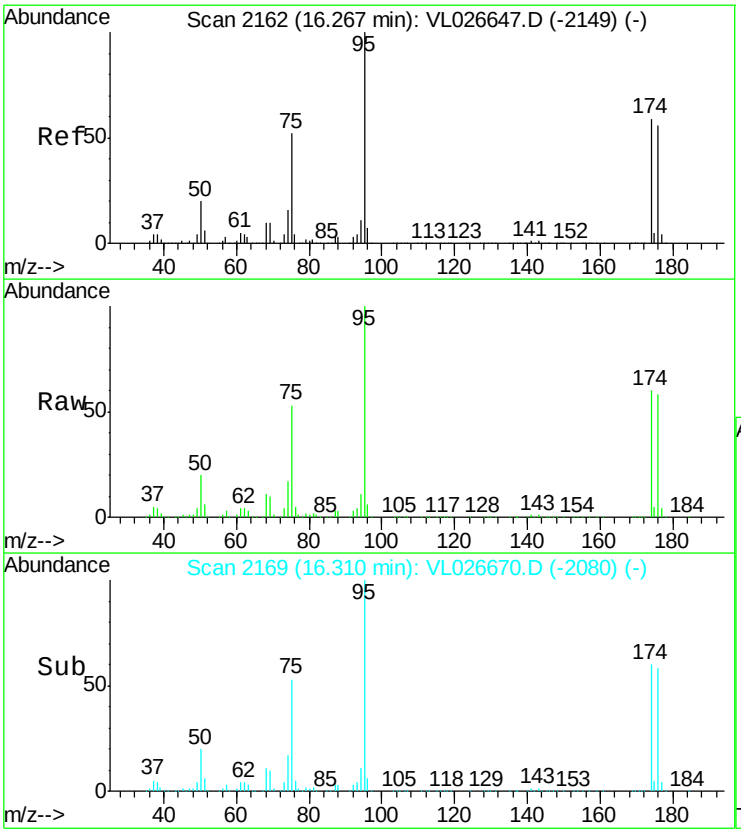
#67
sec-Butylbenzene
Concen: 7.04 ppbv
RT: 19.43 min Scan# 2681
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 7927902

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.9	22.3

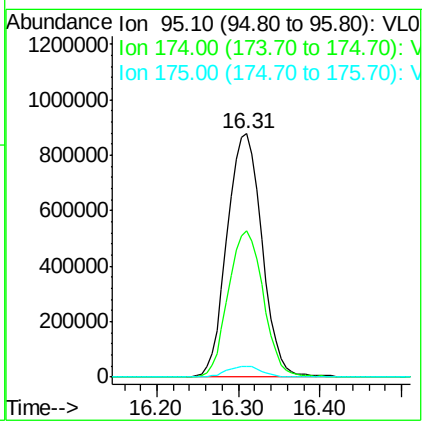


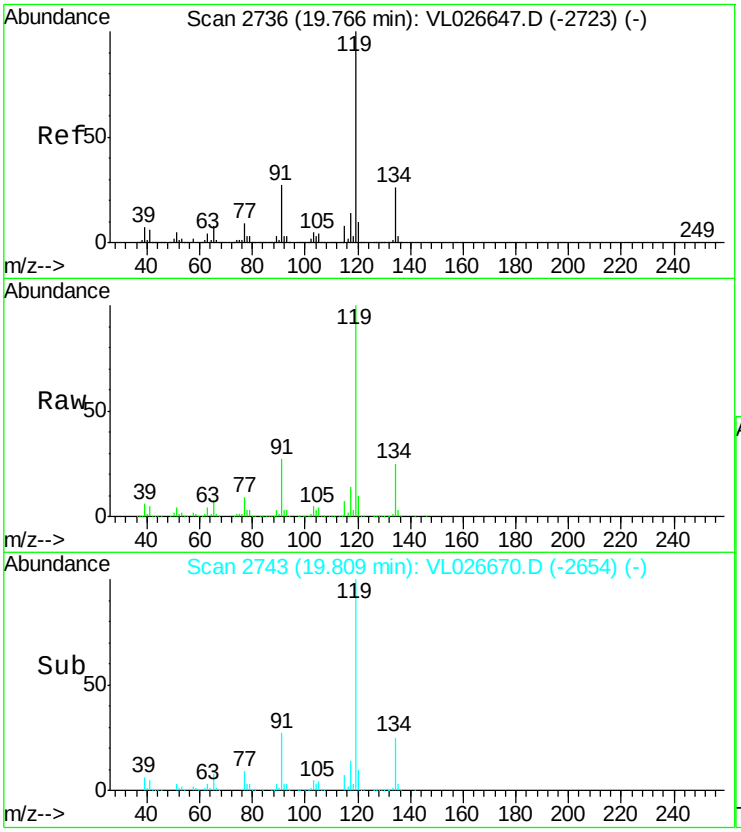


#68
1-Bromo-4-Fluorobenzene
Concen: 8.31 ppbv
RT: 16.31 min Scan# 2169
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 95 Resp: 2605157

Ion	Ratio	Lower	Upper
95	100		
174	60.8	47.8	71.8
175	4.5	3.6	5.4



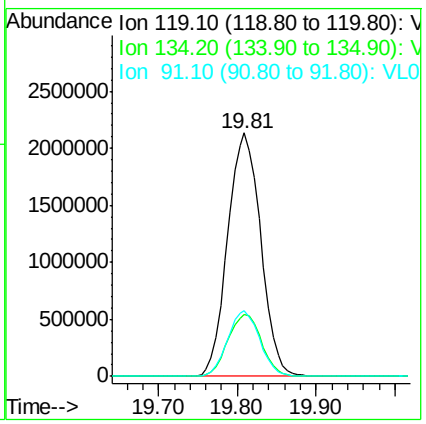


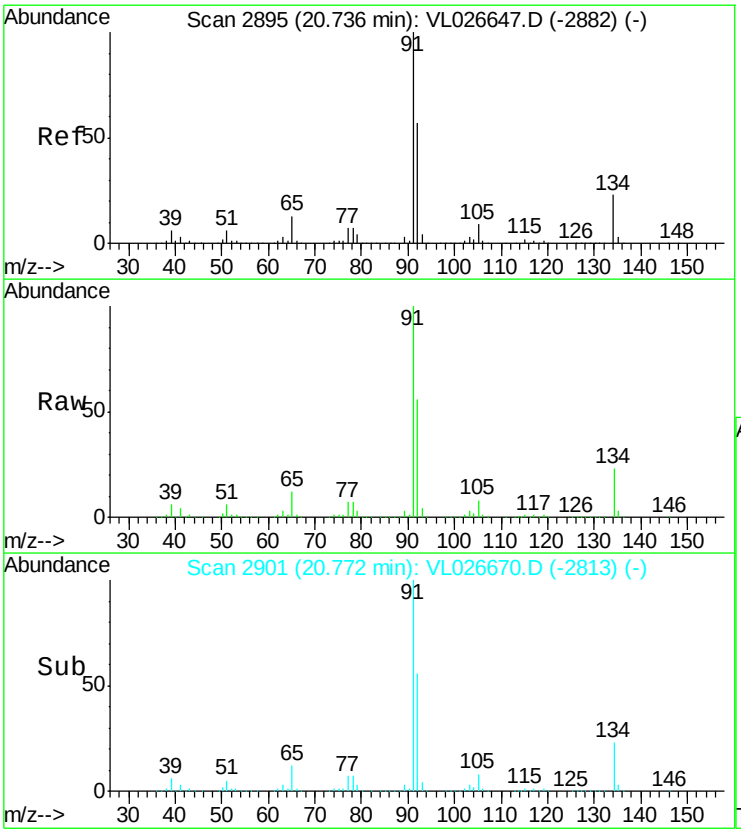
#69
p-Isopropyltoluene
Concen: 7.24 ppbv
RT: 19.81 min Scan# 2743
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 6240272

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	26.0	21.7	32.5

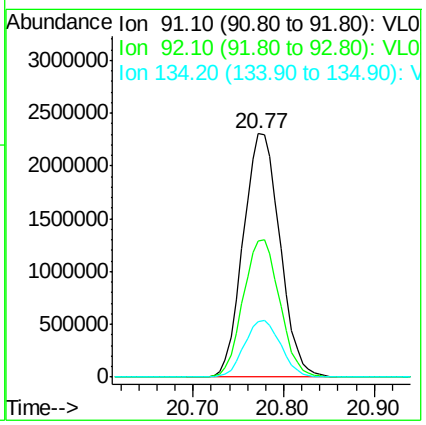


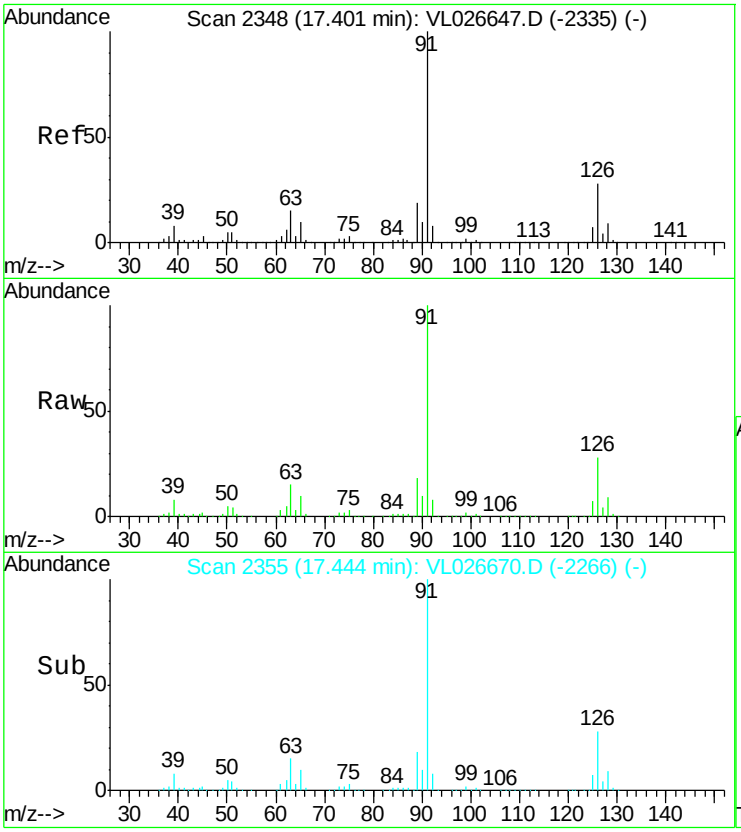


#70
n-Butylbenzene
Concen: 7.20 ppbv
RT: 20.77 min Scan# 2901
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion: 91 Resp: 6452972

Ion	Ratio	Lower	Upper
91	100		
92	56.3	45.0	67.4
134	23.1	18.2	27.2



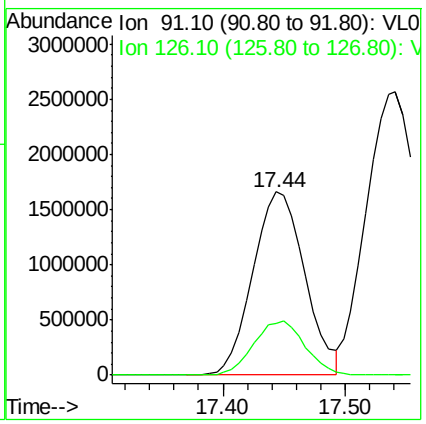


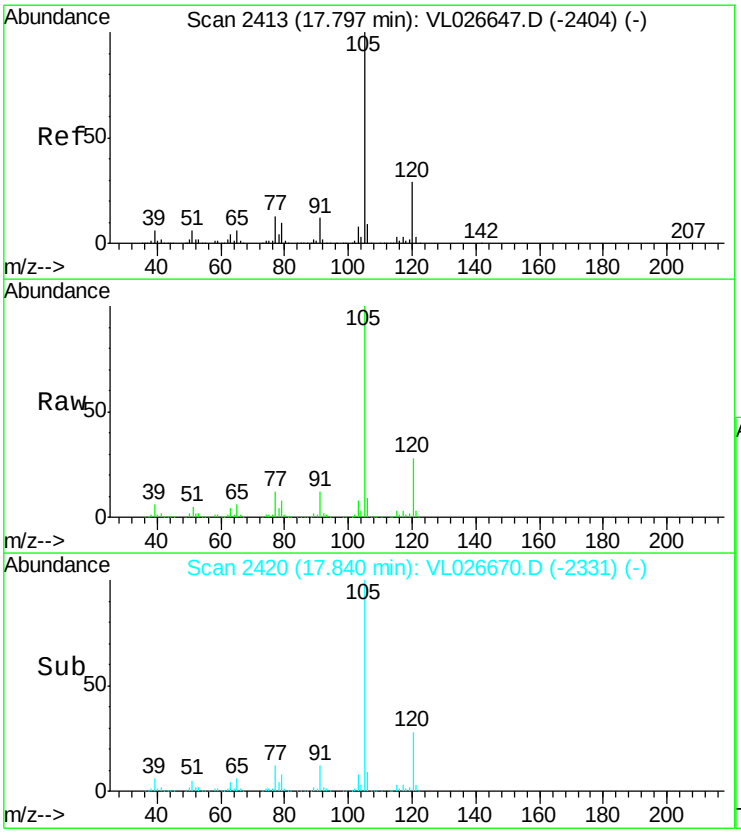
#71
2-Chlorotoluene
Concen: 7.61 ppbv
RT: 17.44 min Scan# 2355
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4912492

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.4	45.8

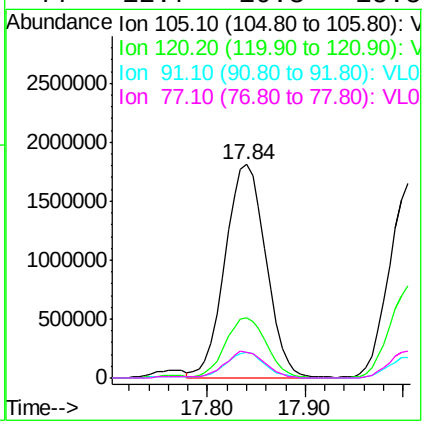


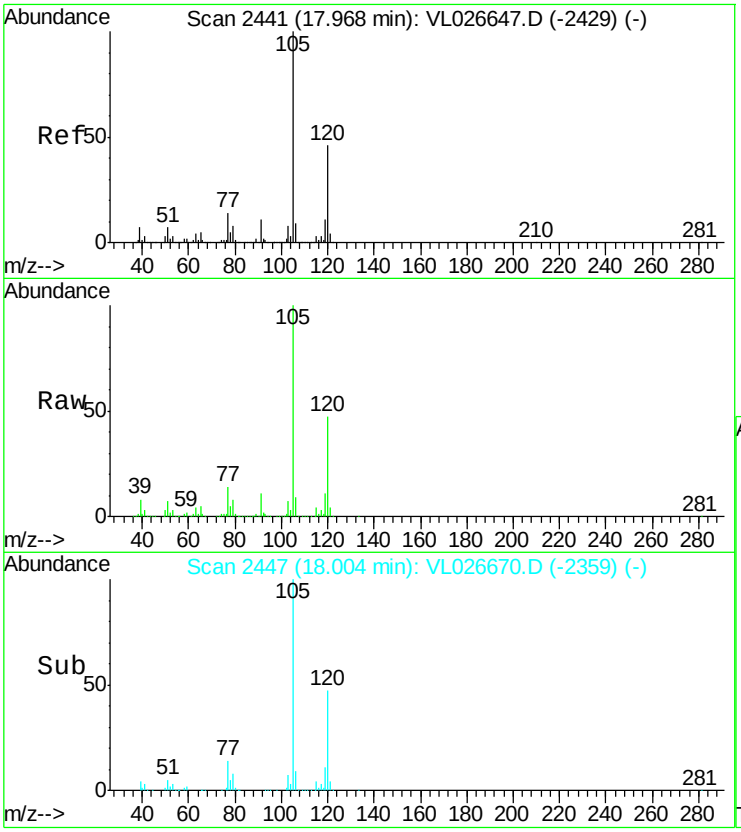


#72
4-Ethyltoluene
Concen: 7.49 ppbv
RT: 17.84 min Scan# 2420
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:105 Resp: 5237751

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.7	35.5
91	11.9	9.7	14.5
77	12.7	10.3	15.5



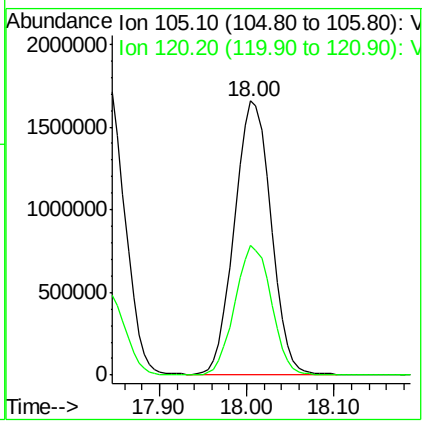


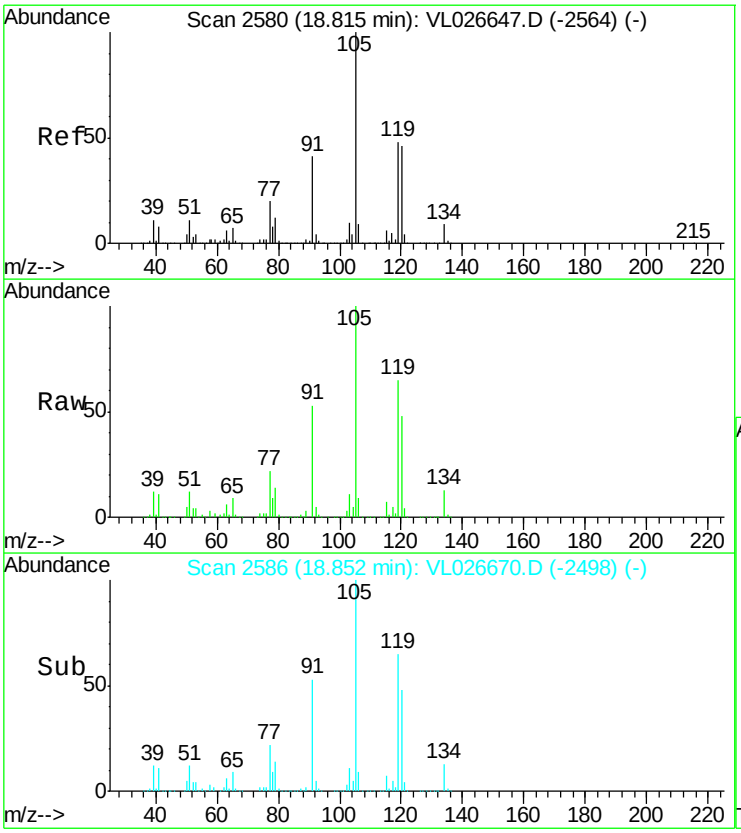
#73
1,3,5-Trimethylbenzene
Concen: 7.24 ppbv
RT: 18.00 min Scan# 2447
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 4803964

Ion	Ratio	Lower	Upper
105	100		
120	47.4	36.6	54.8

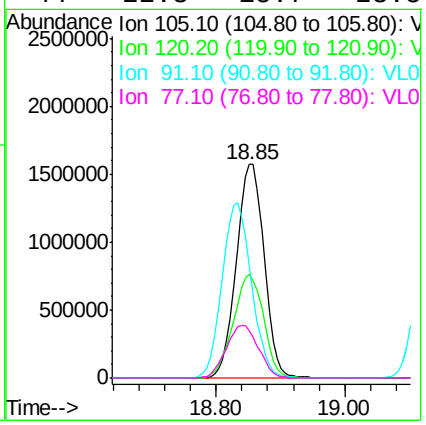


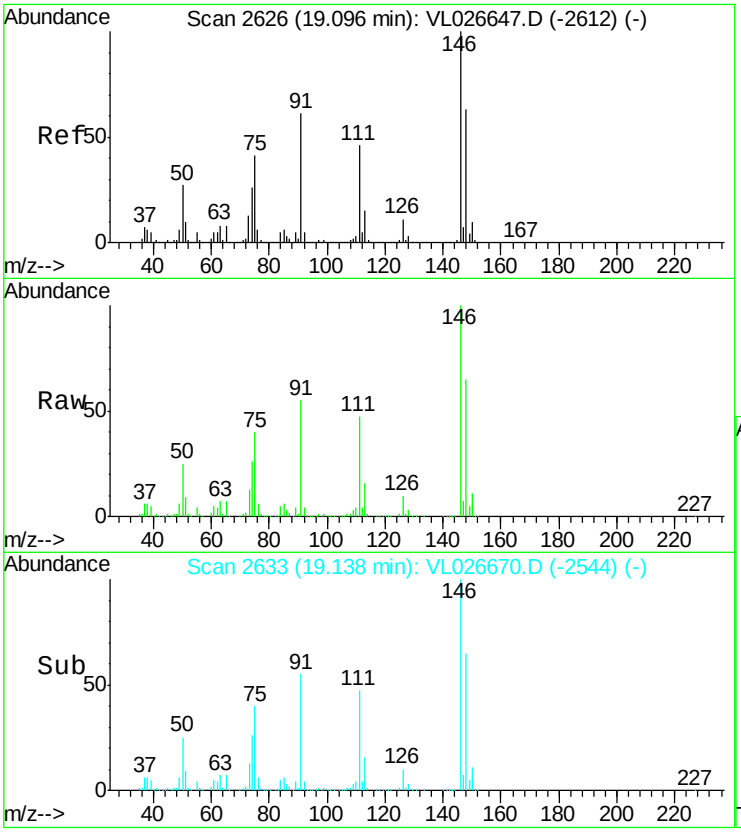


#74
1,2,4-Trimethylbenzene
Concen: 6.64 ppbv
RT: 18.85 min Scan# 2586
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:105 Resp: 4675946

Ion	Ratio	Lower	Upper
105	100		
120	48.4	36.6	55.0
91	52.5	32.5	48.7#
77	22.3	15.7	23.5



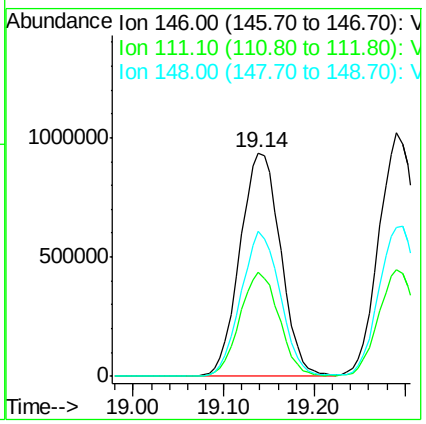


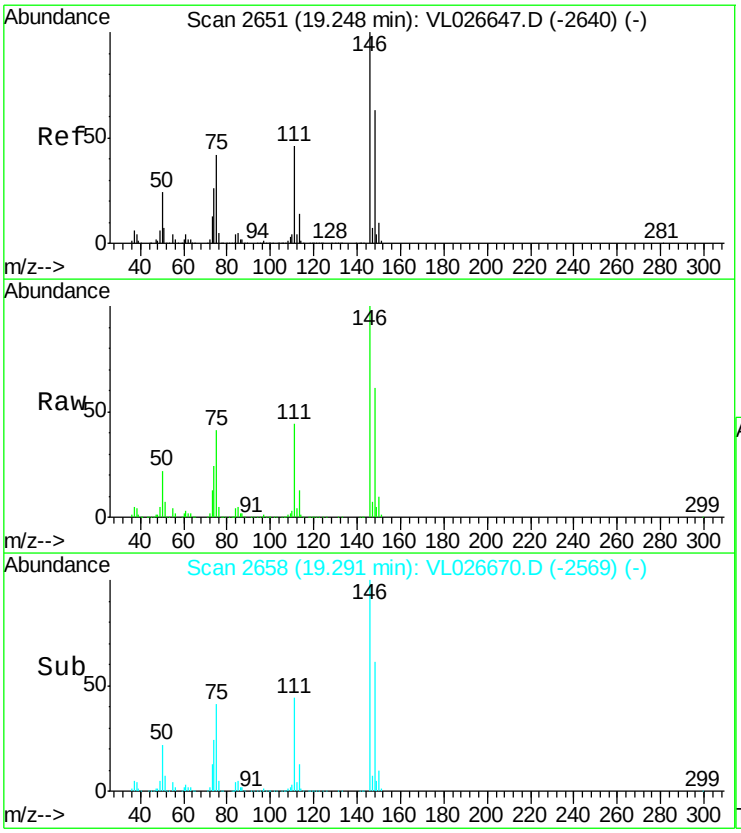
#75
1,3-Dichlorobenzene
Concen: 6.70 ppbv
RT: 19.14 min Scan# 2633
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2913853

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.9	68.5
148	62.8	31.6	95.0

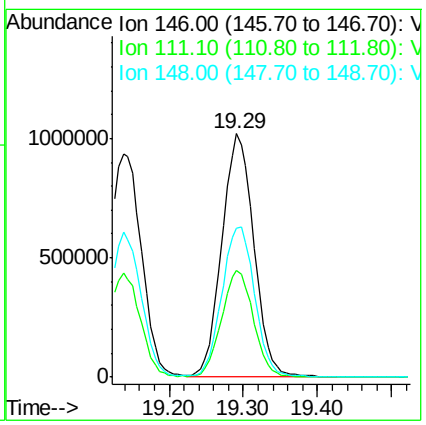


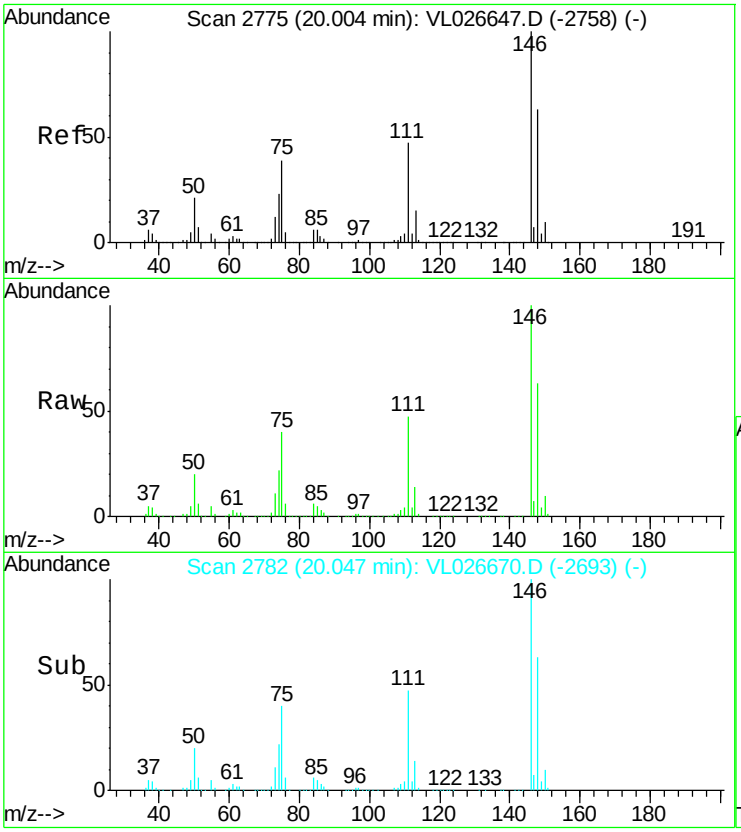


#76
1,4-Dichlorobenzene
Concen: 6.86 ppbv
RT: 19.29 min Scan# 2658
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:146 Resp: 3059938

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.3	66.8
148	63.3	31.9	95.9



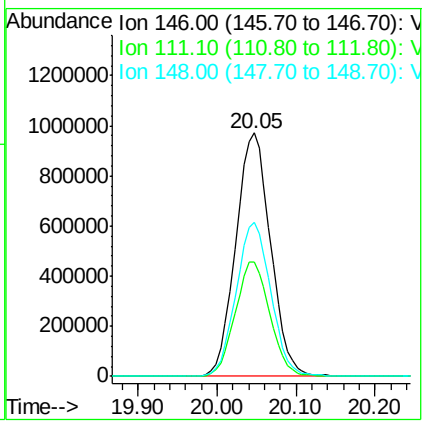


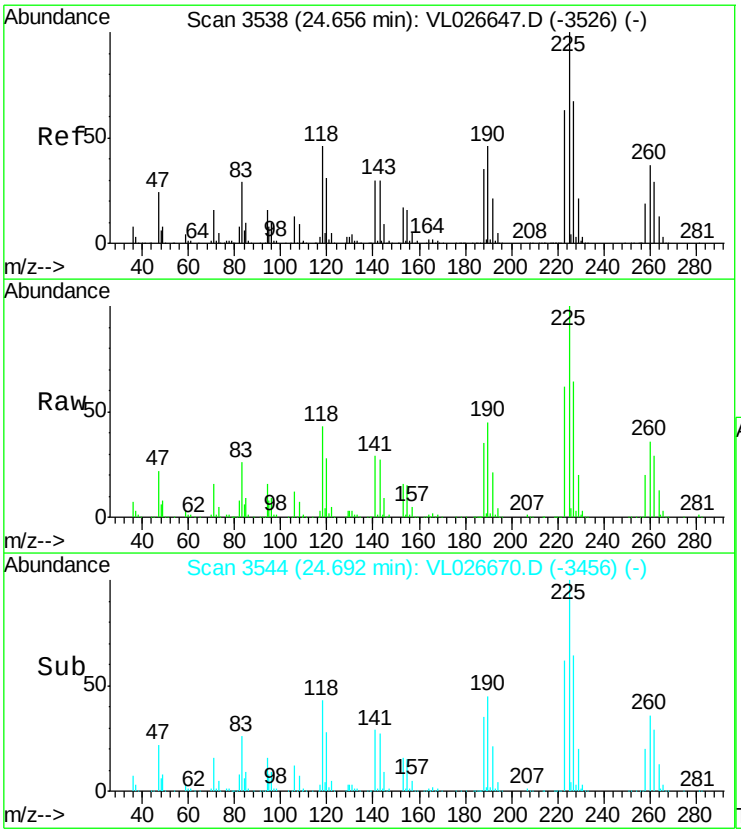
#77
1,2-Dichlorobenzene
Concen: 6.76 ppbv
RT: 20.05 min Scan# 2782
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2982596

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.7	71.1
148	63.3	31.1	93.5

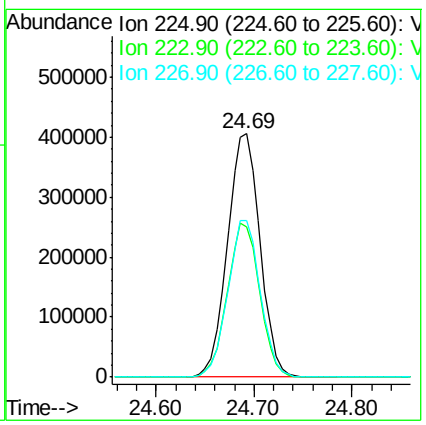


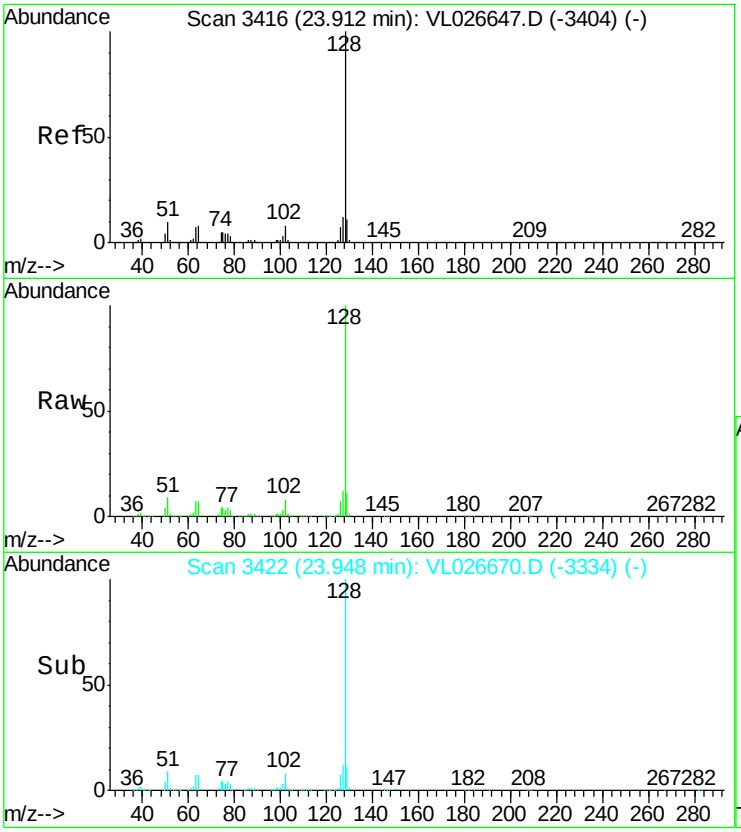


#78
Hexachloro-1,3-Butadiene
Concen: 5.20 ppbv
RT: 24.69 min Scan# 3544
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:225 Resp: 935991

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	64.0	51.1	76.7



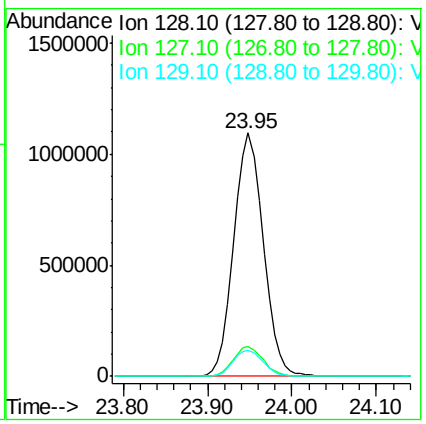


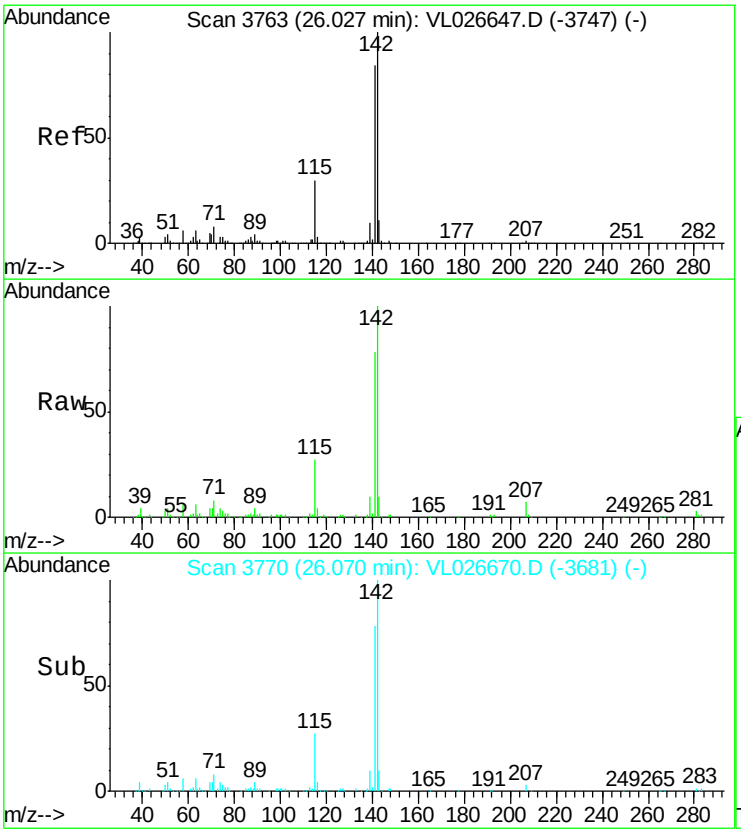
#79
Naphthalene
Concen: 5.47 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2600628

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.8	8.9	13.3

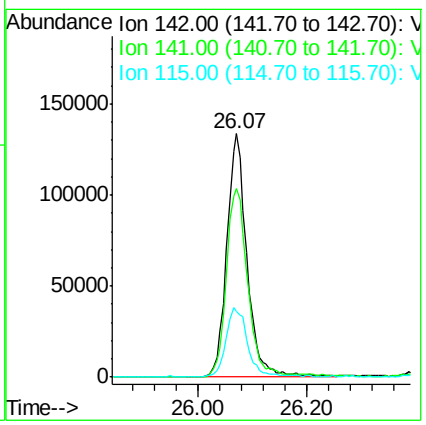


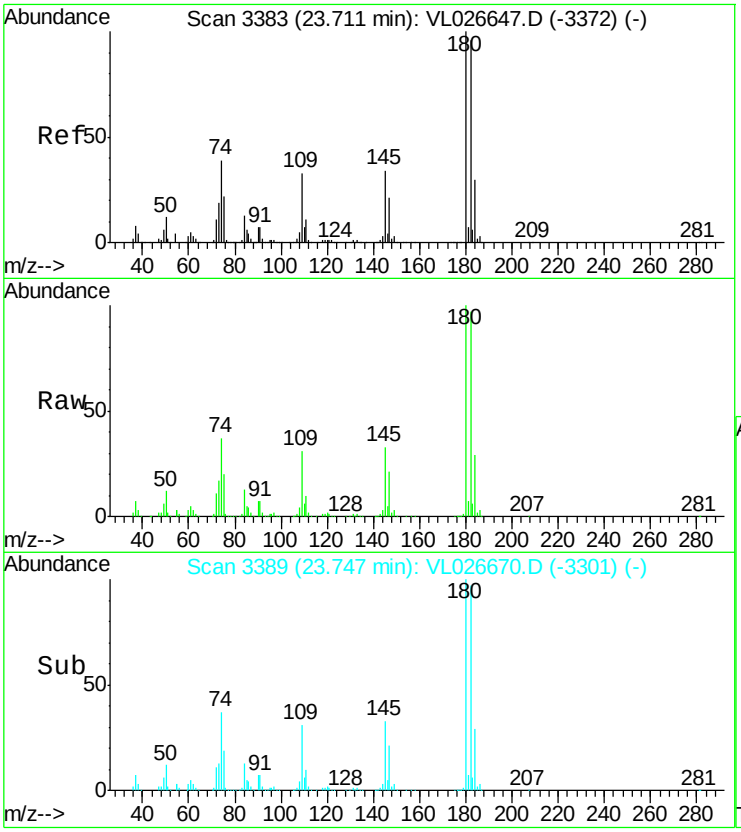


#80
Naphthalene,2-methyl-
Concen: 4.69 ppbv
RT: 26.07 min Scan# 3770
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Tgt Ion:142 Resp: 345835

Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.0	100.6
115	31.2	24.7	37.1





#81
1,2,4-Trichlorobenzene
Concen: 5.79 ppbv
RT: 23.75 min Scan# 3389
Delta R.T. 0.04 min
Lab File: VL026670.D
Acq: 12 Jan 2016 11:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1251658

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.0
184	29.8	24.1	36.1