Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026839.D
Acq On : 10 Feb 2016 4:13
Operator : SY/AP
Sample : H1388-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Quant Time: Feb 10 06:07:05 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.70	49	1280468	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.37	114	3388912	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.79	117	1663799	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	1468466	12.29	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 122.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	204678	0.74	ppbv		96
3) Chlorodifluoromethane	3.60	51	1412815	6.80	ppbv	#	82
4) Chloromethane	3.78	50	59558	0.73	ppbv		95
5) Vinyl Chloride	3.92	62	1712	0.02	ppbv	#	85
6) Bromomethane	4.18	94	3222	0.04	ppbv	#	67
7) Chloroethane	4.28	64	1477	0.04	ppbv		94
8) Dichlorotetrafluoroethane	3.84	85	10391	0.04	ppbv		93
9) Propene	3.64	41	190176	3.39	ppbv	#	72
10) Heptane	9.39	43	67399	0.37	ppbv		92
11) Trichlorofluoromethane	4.73	101	141883	0.43	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	38575	0.17	ppbv		99
13) Ethanol	4.37	45	6545478	678.13	ppbv		98
14) Bromoethene	4.48	108	1647	0.02	ppbv	#	78
15) Acetone	4.63	43	17556702	99.80	ppbv	#	66
16) 1,3-Butadiene	4.03	39	72581	1.06	ppbv	#	17
17) tert-Butyl alcohol	4.81	59	167293	1.44	ppbv		95
18) 1,1-Dichloroethene	5.12	96	2102	0.02	ppbv		85
19) Isopropyl Alcohol	4.81	45	4276354	68.14	ppbv	#	92
20) Methylene Chloride	5.20	84	60687	0.67	ppbv		97
21) Allyl Chloride	5.21	41	12409	0.11	ppbv	#	1
22) trans-1,2-Dichloroethene	5.82	96	2501	0.03	ppbv	#	77
23) Vinyl Acetate	6.04	43	180276	0.76	ppbv	#	55
24) 1,1-Dichloroethane	5.96	63	4094	0.02	ppbv	#	85
25) Ethyl Acetate	6.71	43	596049	2.26	ppbv	#	93
26) Hexane	6.70	57	101337	0.68	ppbv	#	1
27) Carbon Disulfide	5.43	76	34859	0.14	ppbv	#	66
28) Methyl tert-Butyl Ether	5.99	73	6934	0.03	ppbv	#	1
29) Chloroform	6.80	83	32267	0.14	ppbv		95
30) Cyclohexane	8.33	84	42120	0.35	ppbv	#	28
31) cis-1,2-Dichloroethene	6.56	61	2742	0.02	ppbv	#	85
32) 1,1,1-Trichloroethane	7.64	97	5139	0.02	ppbv		99
34) 2-Butanone	6.25	43	98730	0.59	ppbv		98
35) Carbon Tetrachloride	8.21	117	28775	0.12	ppbv		93
36) Benzene	8.07	78	193418	0.72	ppbv		99
37) 1,2-Dichloroethane	7.42	62	7926	0.05	ppbv	#	95
38) Trichloroethene	9.12	130	6879	0.06	ppbv	#	83
41) Tetrahydrofuran	7.17	42	6302	0.08	ppbv	#	74
42) Bromodichloromethane	9.07	83	6739	0.03	ppbv	#	84
43) Methyl Methacrylate	9.32	69	68939	0.73	ppbv		94
44) 2,2,4-Trimethylpentane	9.13	57	49587	0.11	ppbv	#	64
45) t-1,3-Dichloropropene	10.70	75	1027	0.01	ppbv	#	43

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026839.D
Acq On : 10 Feb 2016 4:13
Operator : SY/AP
Sample : H1388-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Quant Time: Feb 10 06:07:05 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	10.06	75	346	0.00	ppbv	#	41
47) 1,1,2-Trichloroethane	10.93	97	2308	0.02	ppbv	#	86
48) Dibromochloromethane	11.84	129	1371	0.01	ppbv	#	10
49) Bromoform	14.86	173	9109	0.07	ppbv		99
50) 4-Methyl-2-Pentanone	10.15	43	13643	0.07	ppbv	#	83
51) 2-Hexanone	11.66	43	2286	0.01	ppbv	#	27
52) Tetrachloroethene	12.84	164	117174	1.11	ppbv		97
53) Toluene	11.28	91	1375438	4.55	ppbv		99
54) 1,2-Dibromoethane	12.18	107	2534	0.02	ppbv	#	64
56) 1,1,1,2-Tetrachloroethane	13.84	131	809	0.01	ppbv	#	1
57) Chlorobenzene	13.86	112	6439	0.05	ppbv		90
58) Ethyl Benzene	14.46	91	85728	0.43	ppbv		94
59) m/p-Xylene	14.74	91	178152	1.04	ppbv		100
60) o-Xylene	15.54	91	60676	0.32	ppbv		100
61) Styrene	15.36	104	15662	0.25	ppbv		99
62) Isopropylbenzene	16.60	105	11075	0.05	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.55	83	1637	0.01	ppbv	#	1
64) n-propylbenzene	17.57	120	4557	0.08	ppbv		66
65) tert-Butylbenzene	18.88	119	14748	0.07	ppbv	#	44
66) Benzyl Chloride	19.16	91	779	0.01	ppbv	#	65
67) sec-Butylbenzene	19.46	105	7630	0.03	ppbv	#	84
69) p-Isopropyltoluene	19.84	119	22266	0.10	ppbv	#	73
70) n-Butylbenzene	20.80	91	8223	0.04	ppbv	#	73
71) 2-Chlorotoluene	17.48	91	3153	0.02	ppbv		96
72) 4-Ethyltoluene	17.87	105	31494	0.18	ppbv	#	95
73) 1,3,5-Trimethylbenzene	18.04	105	26747	0.16	ppbv		93
74) 1,2,4-Trimethylbenzene	18.88	105	85677	0.45	ppbv	#	69
75) 1,3-Dichlorobenzene	19.17	146	1016	0.01	ppbv	#	24
76) 1,4-Dichlorobenzene	19.34	146	1587	0.01	ppbv	#	1
77) 1,2-Dichlorobenzene	20.08	146	2289	0.02	ppbv	#	41
78) Hexachloro-1,3-Butadiene	24.72	225	2016	0.04	ppbv	#	83
79) Naphthalene	23.99	128	13933	0.15	ppbv	#	94
80) Naphthalene,2-methyl-	26.13	142	4865	0.13	ppbv	#	87
81) 1,2,4-Trichlorobenzene	23.77	180	330	0.01	ppbv	#	12

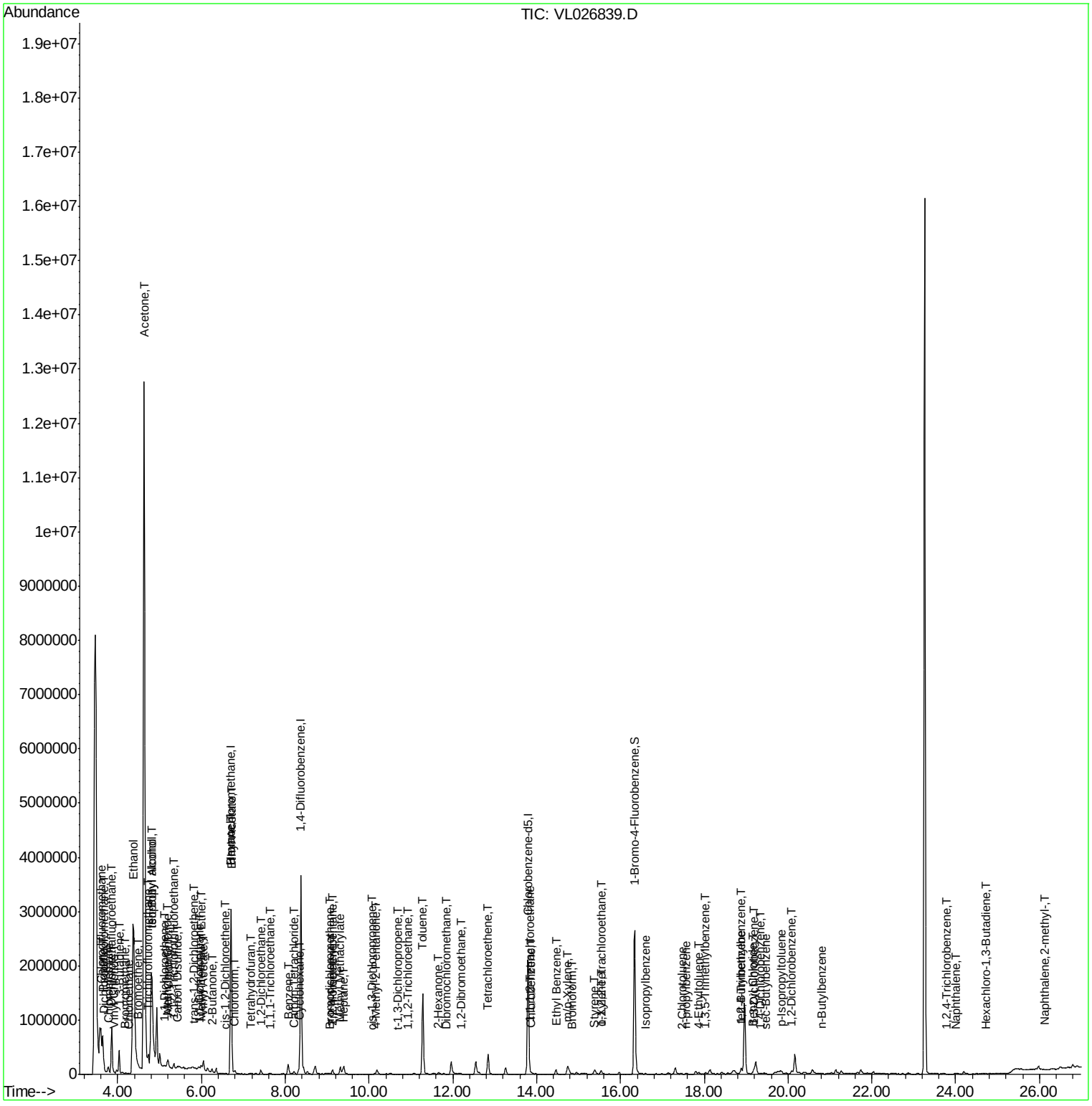
(#) = qualifier out of range (m) = manual integration (+) = signals summed

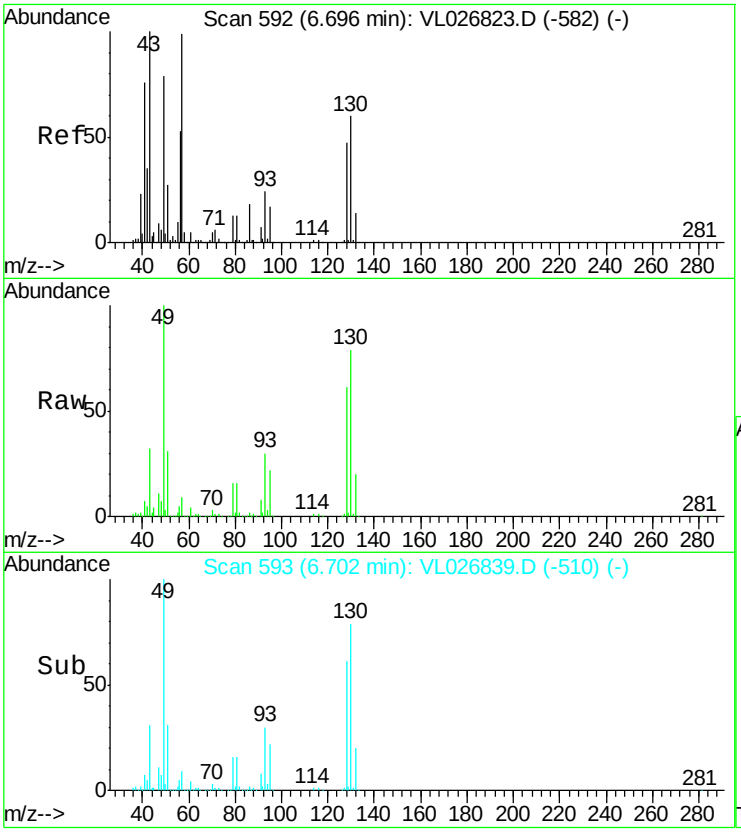
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026839.D
Acq On : 10 Feb 2016 4:13
Operator : SY/AP
Sample : H1388-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Quant Time: Feb 10 06:07:05 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration



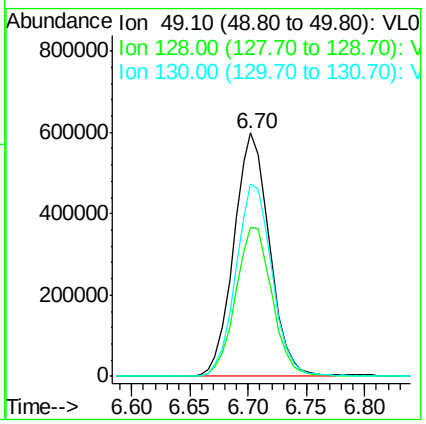


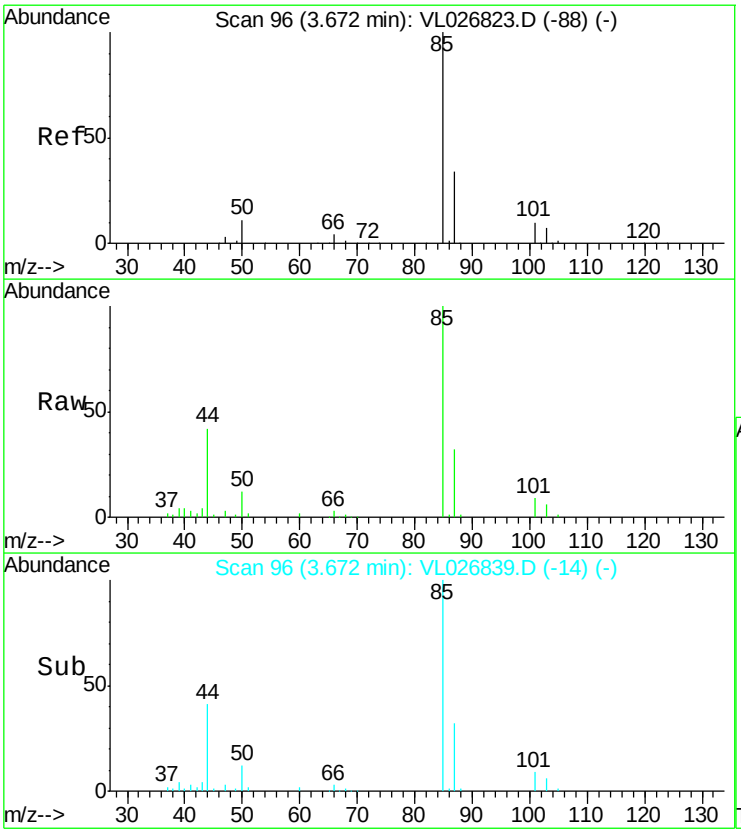
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.70 min Scan# 593
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 49 Resp: 1280468

Ion	Ratio	Lower	Upper
49	100		
128	62.7	29.7	89.1
130	80.3	38.3	114.8

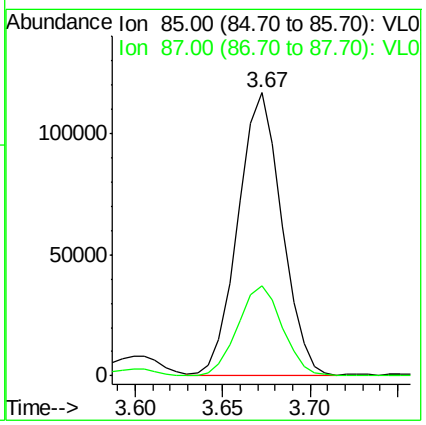


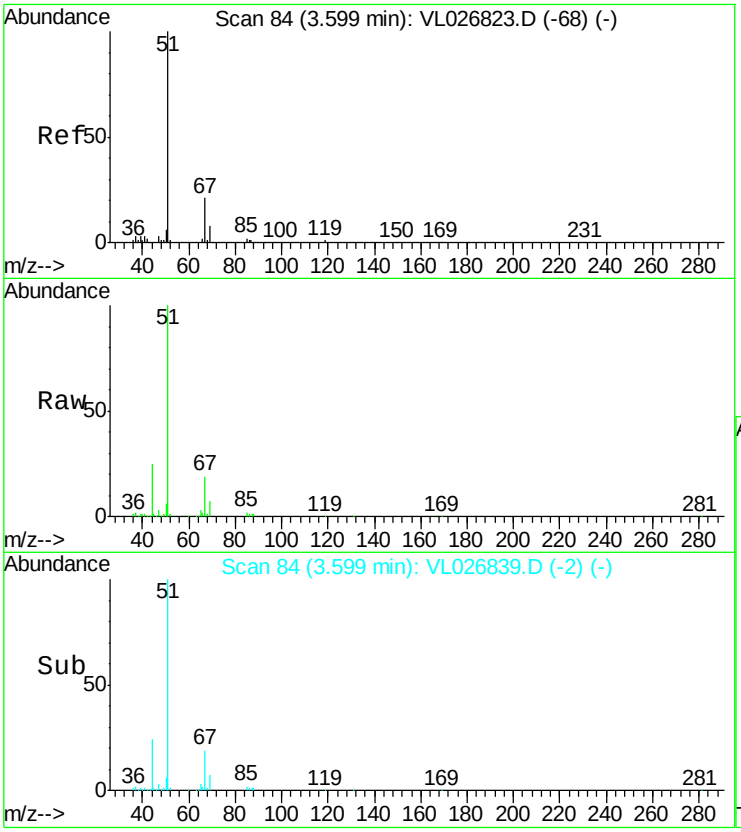


#2
Dichlorodifluoromethane
Concen: 0.74 ppbv
RT: 3.67 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 85 Resp: 204678

Ion	Ratio	Lower	Upper
85	100		
87	31.8	27.3	40.9



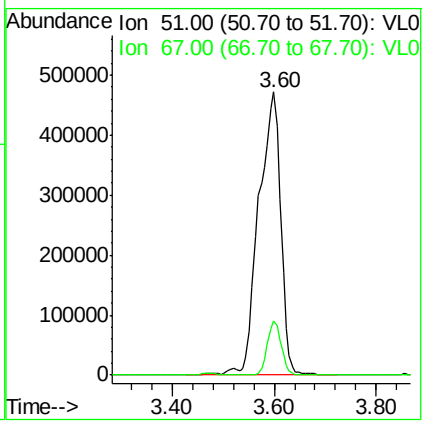


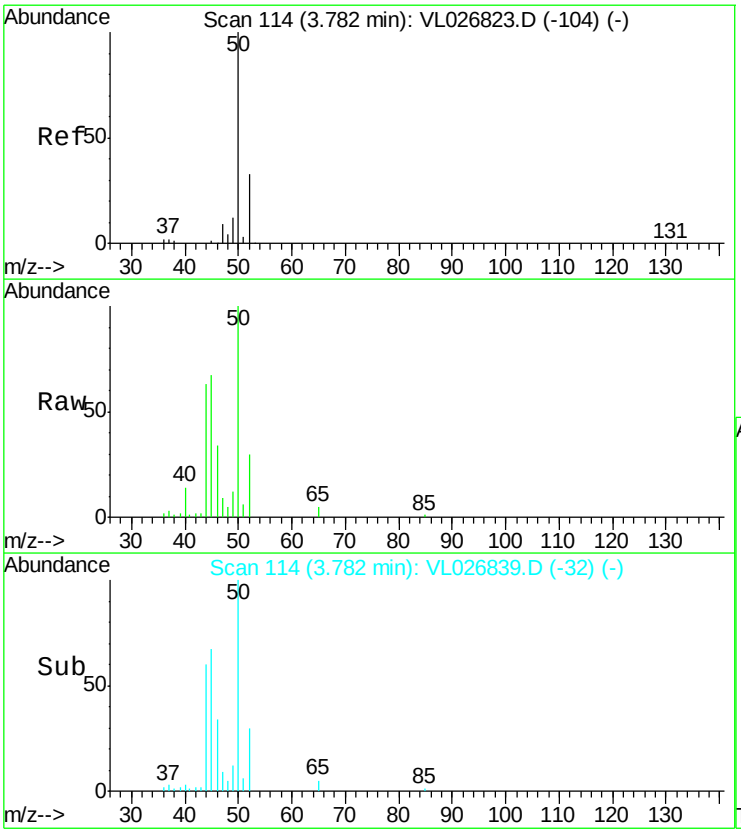
#3
Chlorodifluoromethane
Concen: 6.80 ppbv
RT: 3.60 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 51 Resp: 1412815

Ion	Ratio	Lower	Upper
51	100		
67	12.1	16.4	24.6#

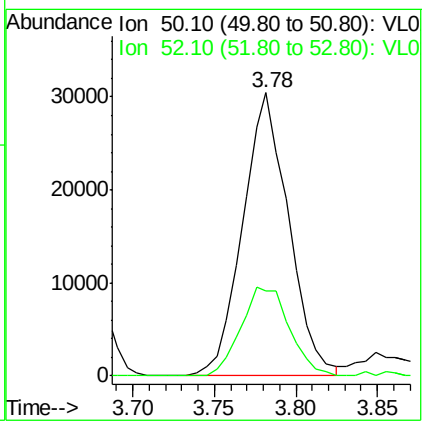


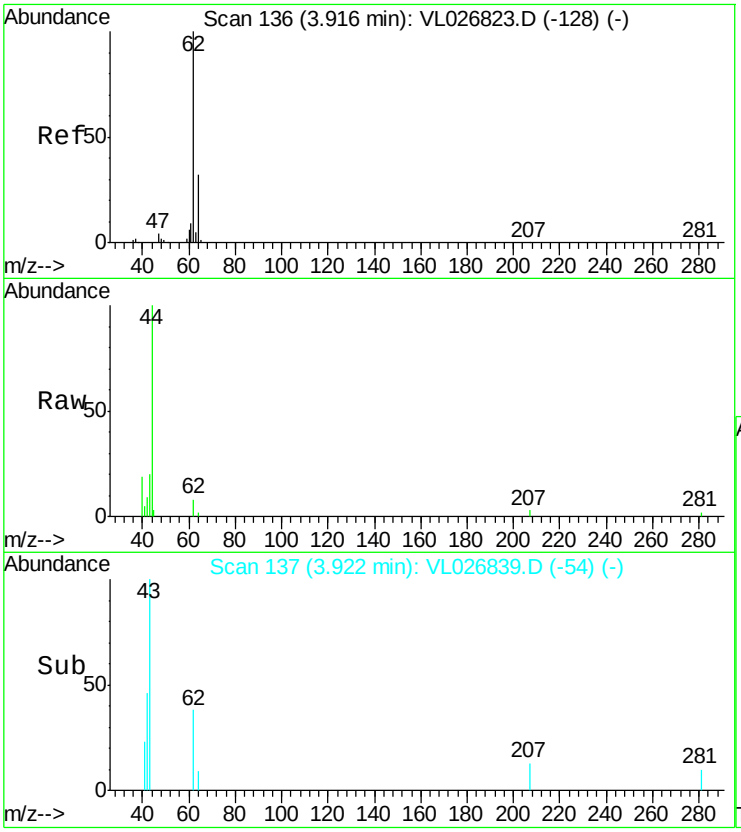


#4
Chloromethane
Concen: 0.73 ppbv
RT: 3.78 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 50 Resp: 59558

Ion	Ratio	Lower	Upper
50	100		
52	30.0	26.3	39.5



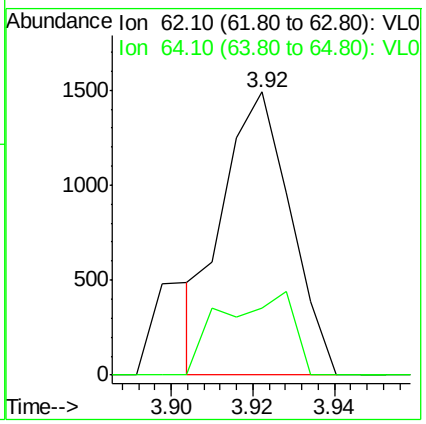


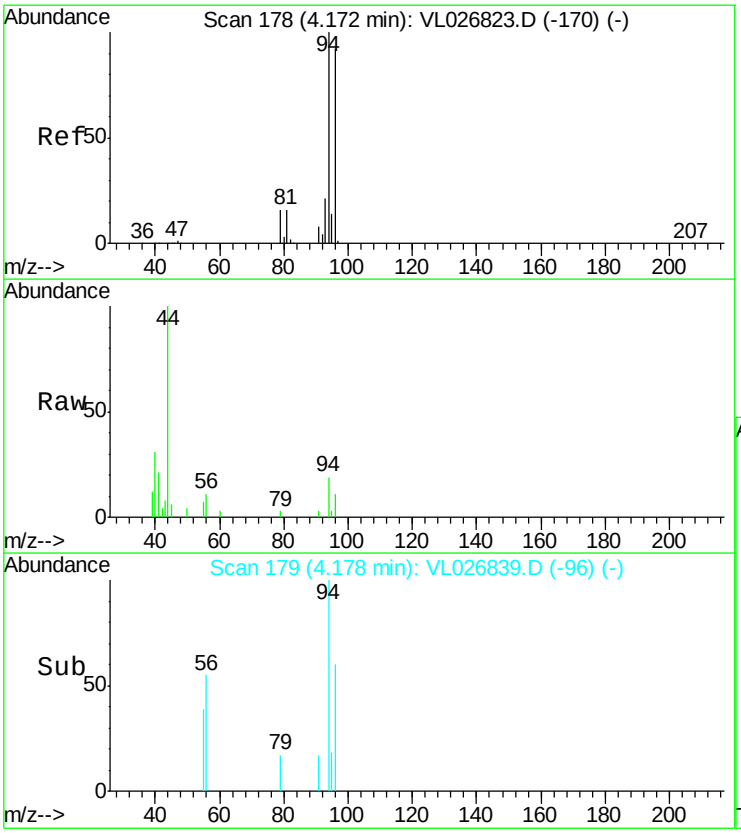
#5
Vinyl Chloride
Concen: 0.02 ppbv
RT: 3.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 62 Resp: 1712

Ion	Ratio	Lower	Upper
62	100		
64	23.8	25.8	38.6#

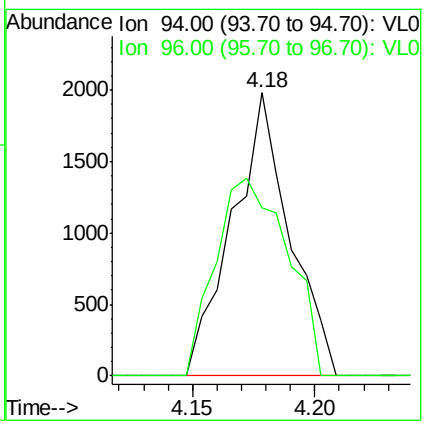


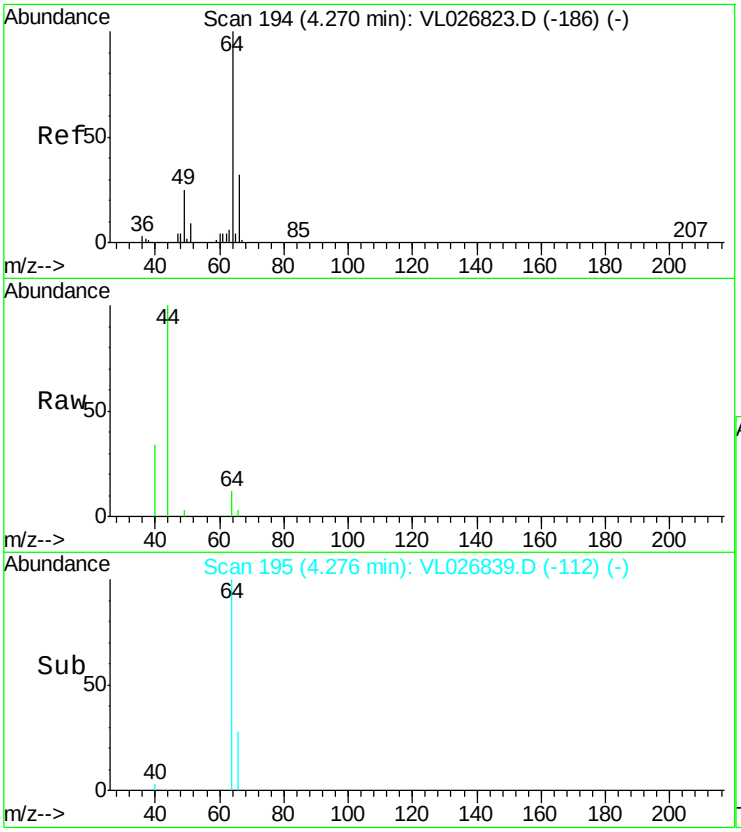


#6
Bromomethane
Concen: 0.04 ppbv
RT: 4.18 min Scan# 179
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 94 Resp: 3222

Ion	Ratio	Lower	Upper
94	100		
96	59.6	73.2	109.8#



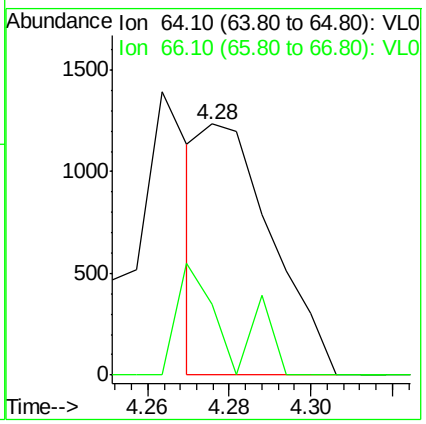


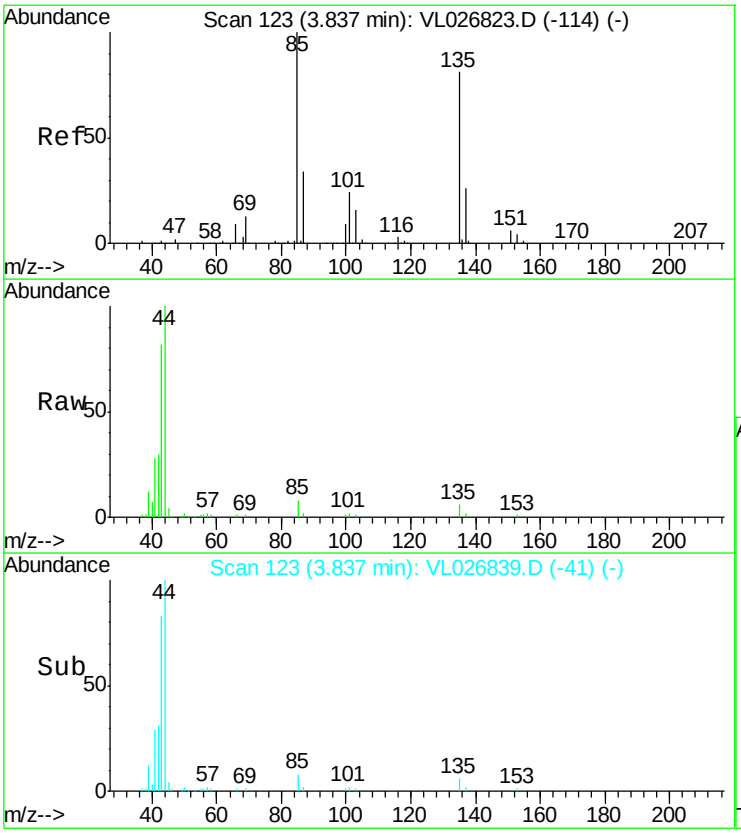
#7
Chloroethane
Concen: 0.04 ppbv
RT: 4.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 64 Resp: 1477

Ion	Ratio	Lower	Upper
64	100		
66	28.3	25.4	38.0

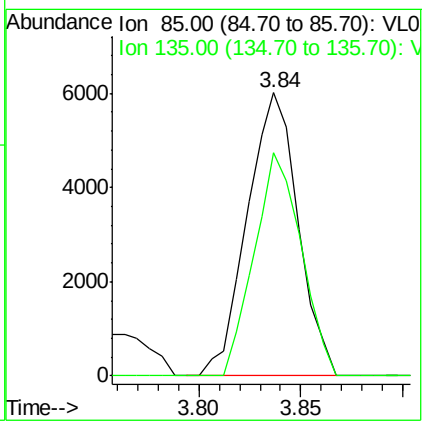


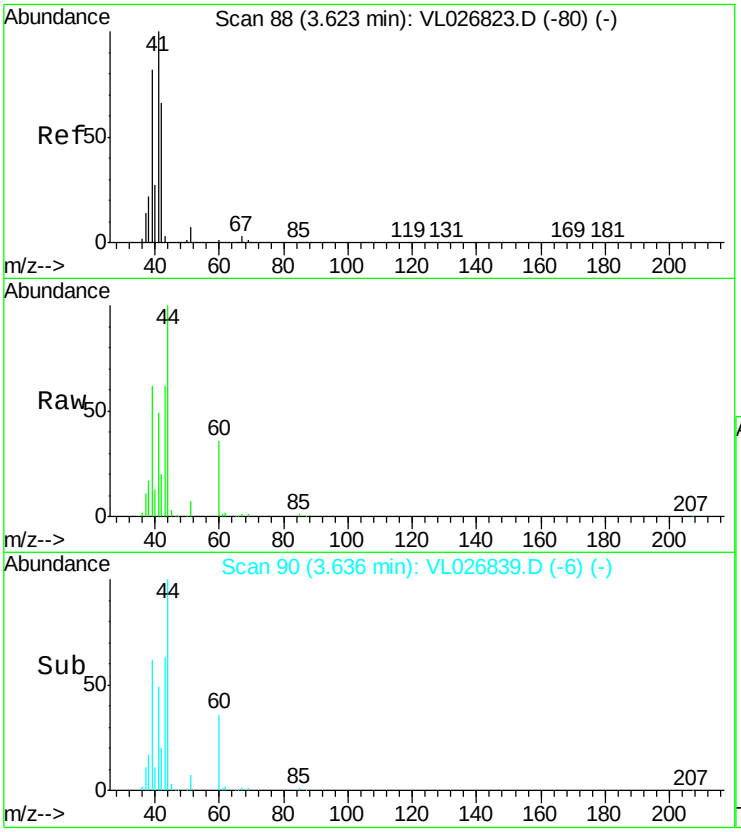


#8
Dichlorotetrafluoroethane
Concen: 0.04 ppbv
RT: 3.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 85 Resp: 10391

Ion	Ratio	Lower	Upper
85	100		
135	73.1	63.2	94.8

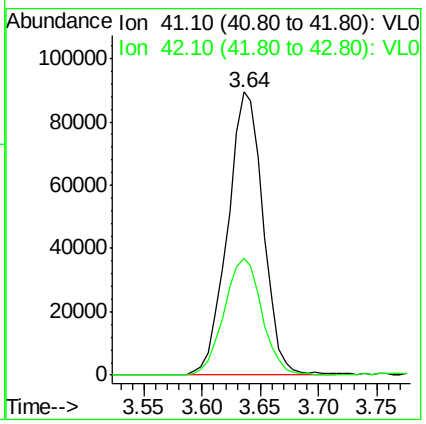




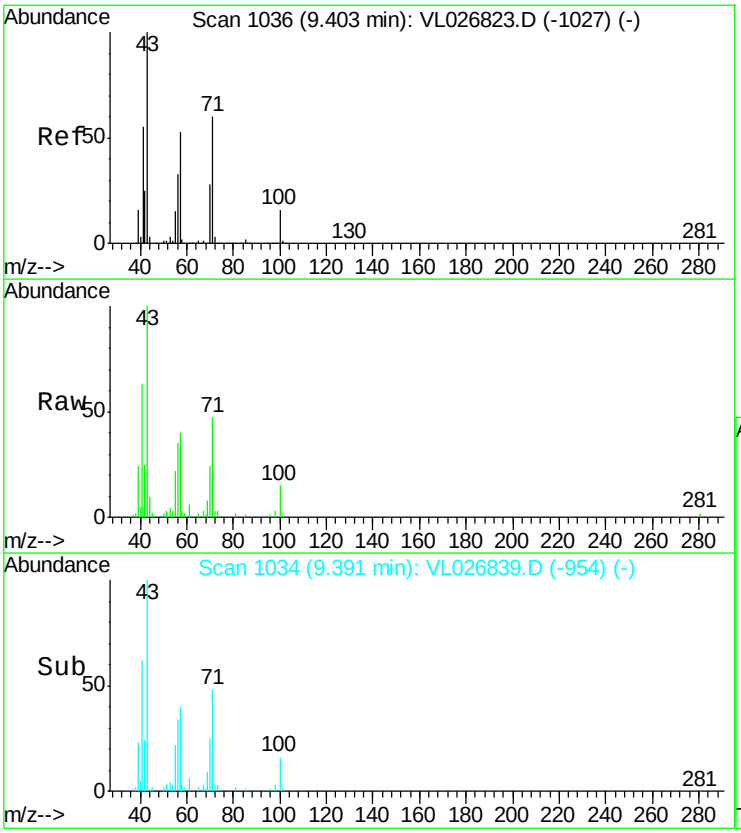
#9
Propene
Concen: 3.39 ppbv
RT: 3.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 41 Resp: 190176

Ion	Ratio	Lower	Upper
41	100		
42	44.0	52.8	79.2#



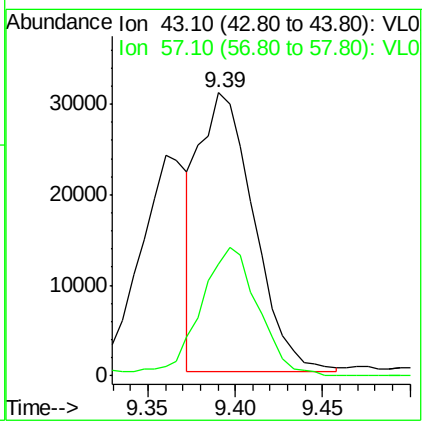
Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

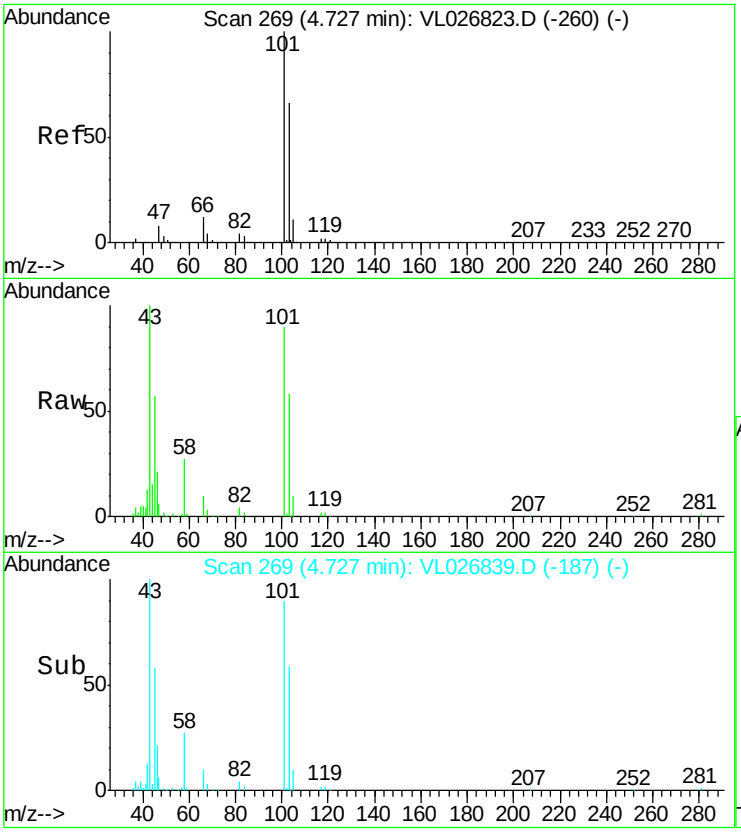


#10
Heptane
Concen: 0.37 ppbv
RT: 9.39 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 43 Resp: 67399

Ion	Ratio	Lower	Upper
43	100		
57	48.9	44.0	66.0



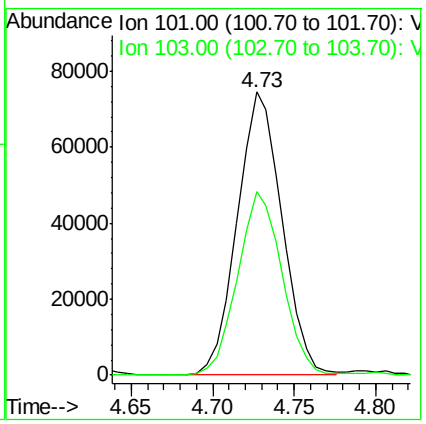


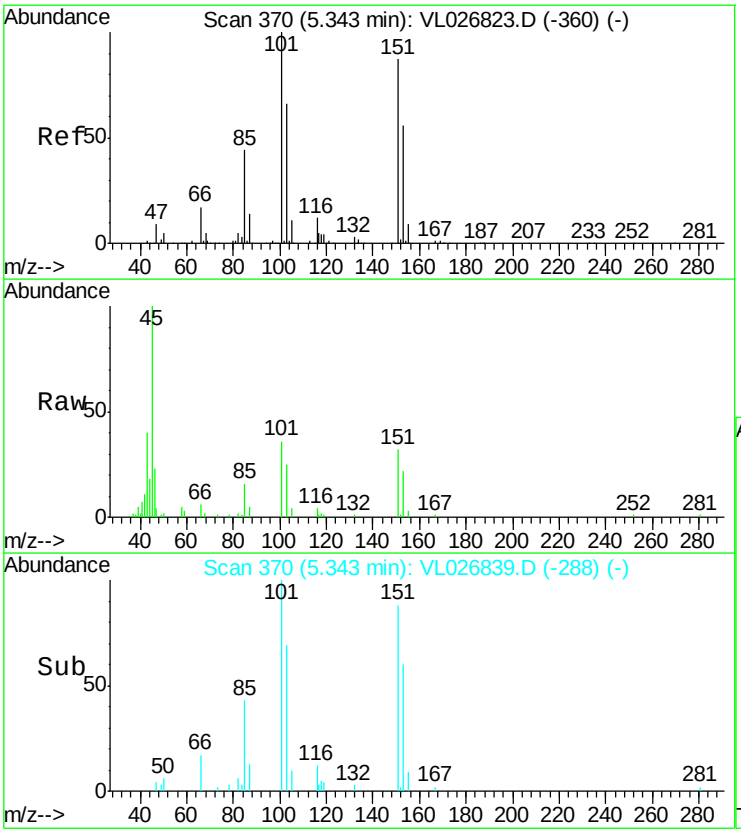
#11
Trichlorofluoromethane
Concen: 0.43 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion:101 Resp: 141883

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.7	79.1

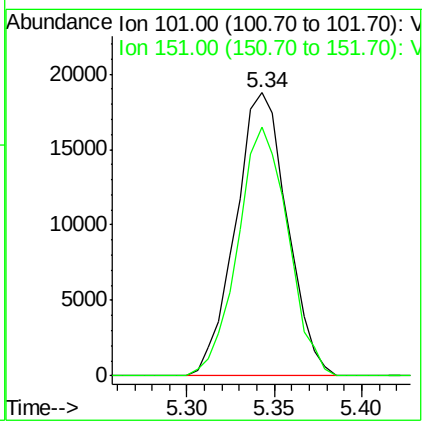


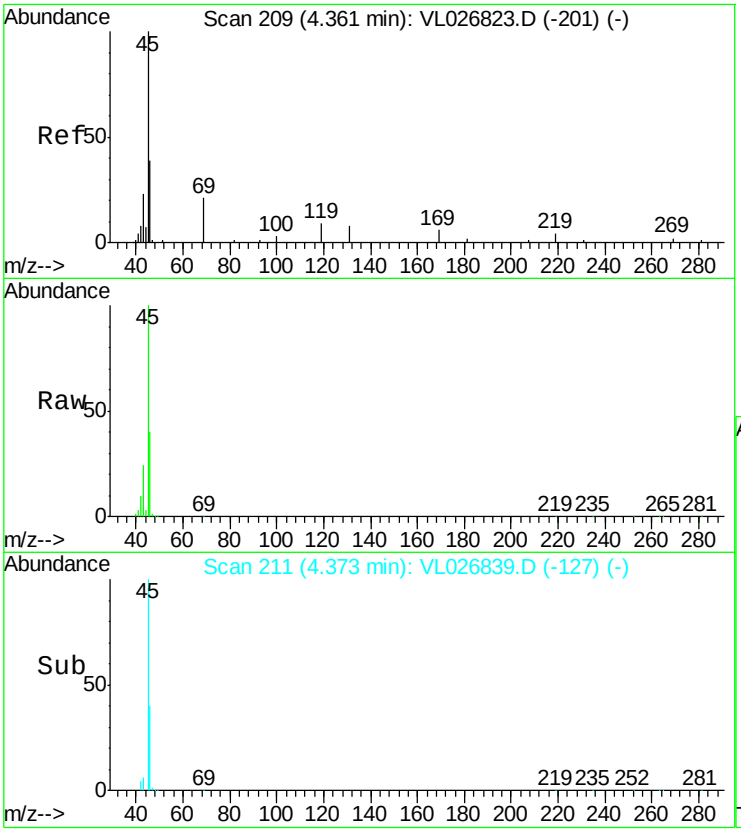


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.17 ppbv
RT: 5.34 min Scan# 370
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:101 Resp: 38575

Ion	Ratio	Lower	Upper
101	100		
151	85.3	69.4	104.0



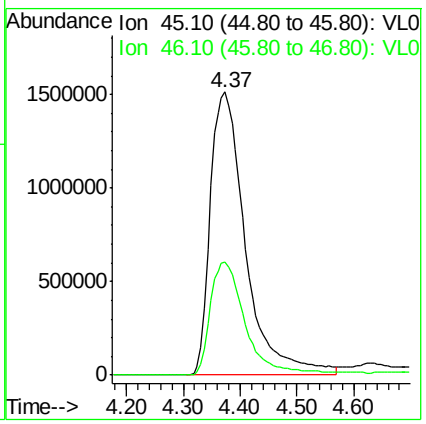


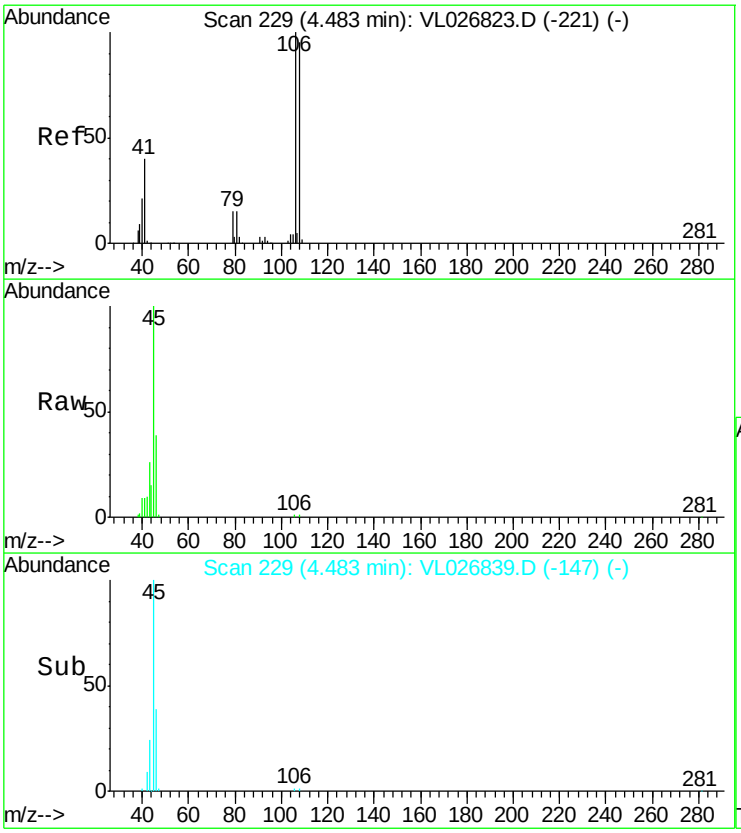
#13
Ethanol
Concen: 678.13 ppbv
RT: 4.37 min Scan# 211
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 45 Resp: 6545478

Ion	Ratio	Lower	Upper
45	100		
46	40.7	15.8	63.4

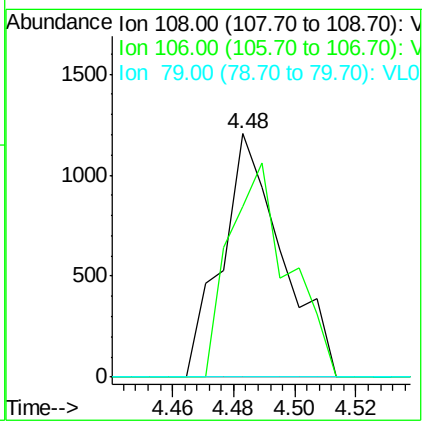


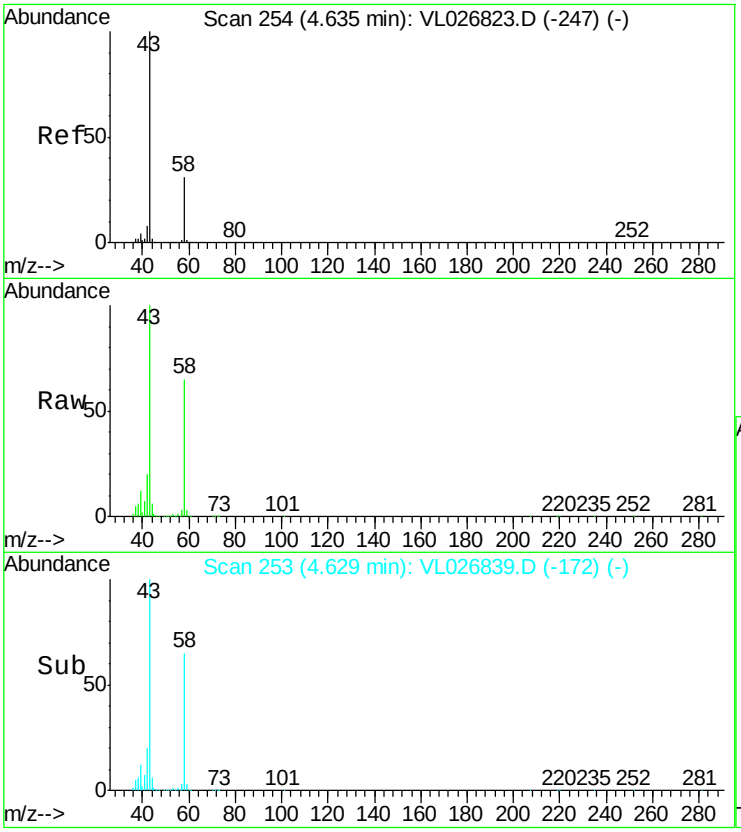


#14
Bromoethene
Concen: 0.02 ppbv
RT: 4.48 min Scan# 229
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:108 Resp: 1647

Ion	Ratio	Lower	Upper
108	100		
106	86.2	84.6	126.8
79	0.0	13.4	20.0#



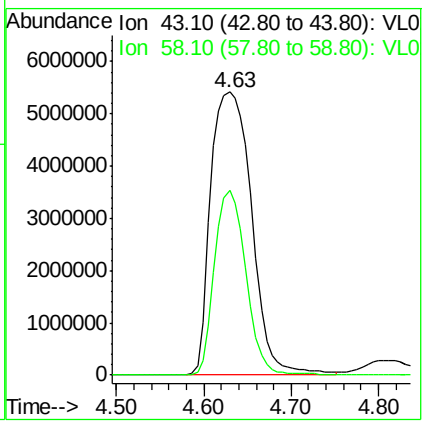


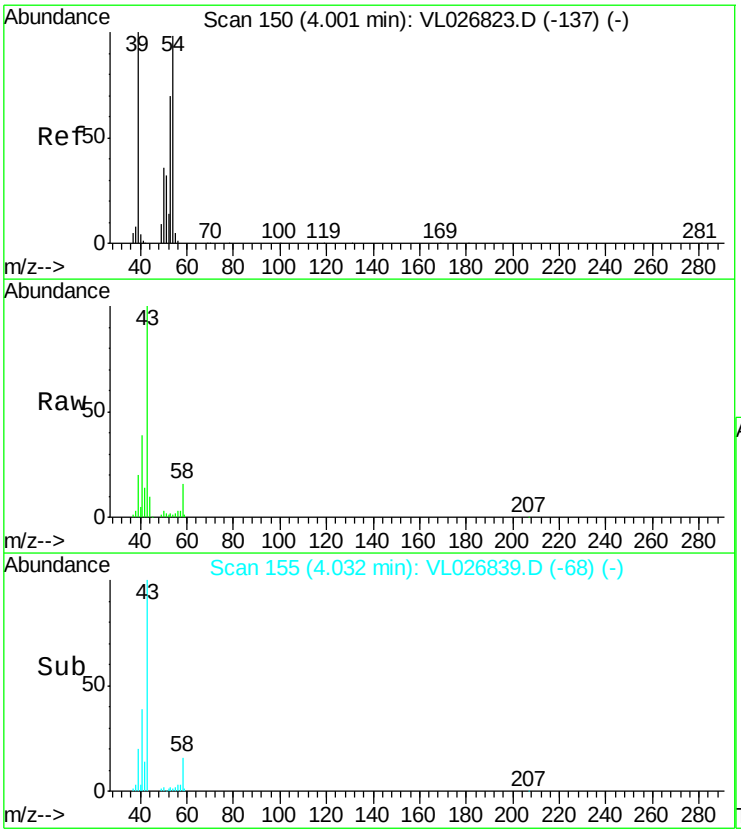
#15
Acetone
Concen: 99.80 ppbv
RT: 4.63 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 43 Resp:17556702

Ion	Ratio	Lower	Upper
43	100		
58	50.5	25.2	37.8#

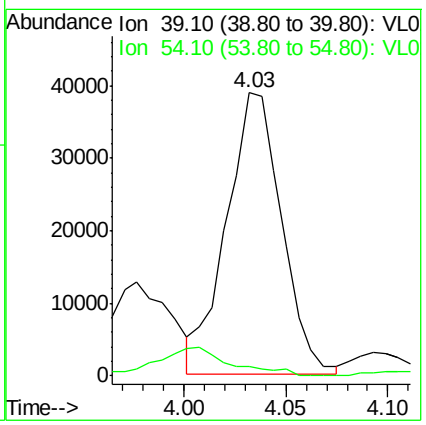


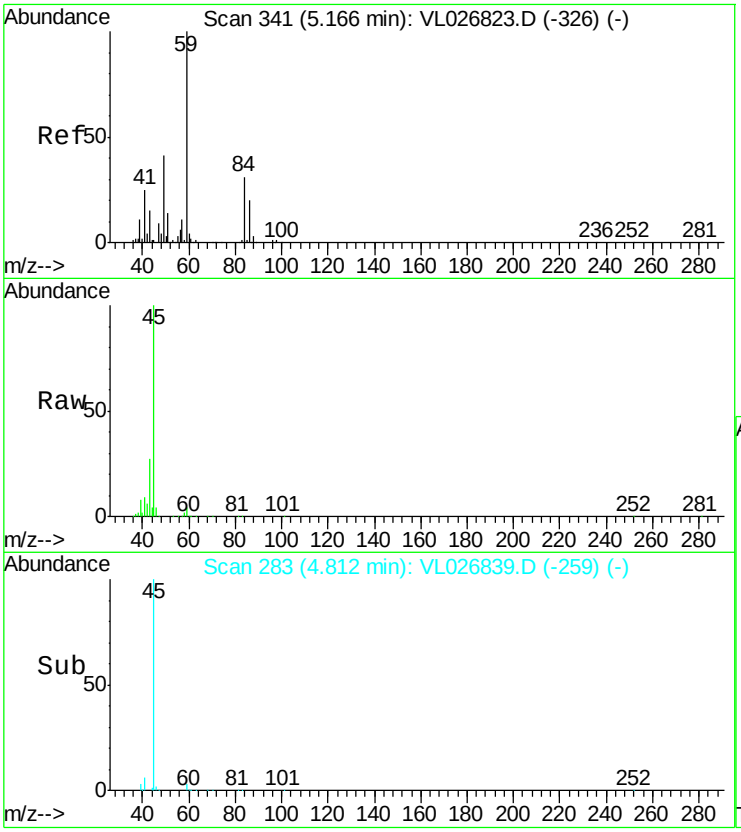


#16
1,3-Butadiene
Concen: 1.06 ppbv
RT: 4.03 min Scan# 155
Delta R.T. 0.03 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 39 Resp: 72581

Ion	Ratio	Lower	Upper
39	100		
54	13.9	74.7	112.1#



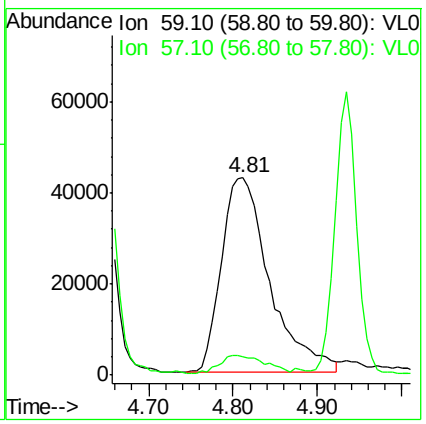


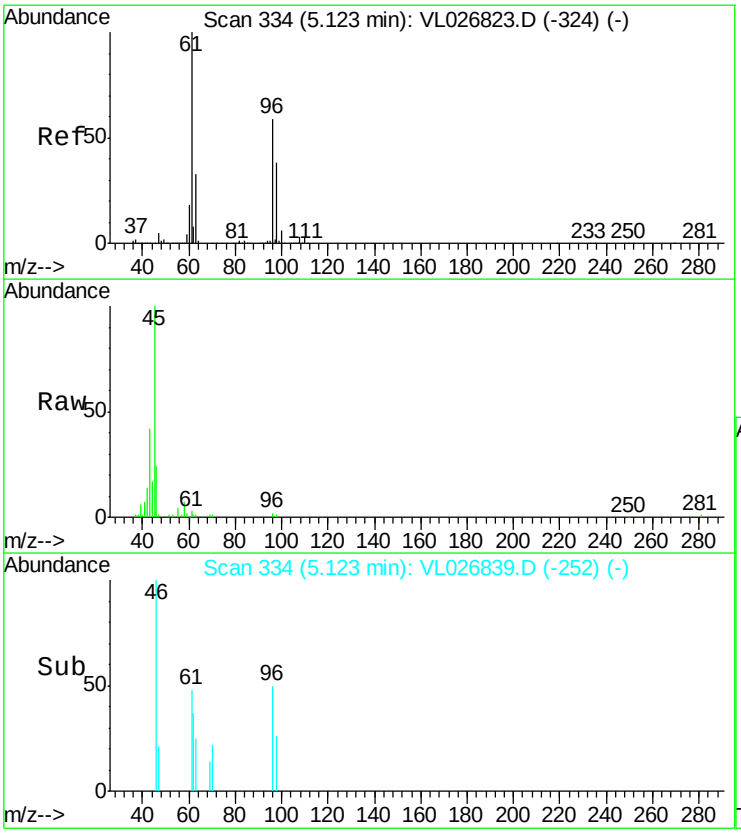
#17
tert-Butyl alcohol
Concen: 1.44 ppbv
RT: 4.81 min Scan# 283
Delta R.T. -0.35 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 59 Resp: 167293

Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.5	12.7

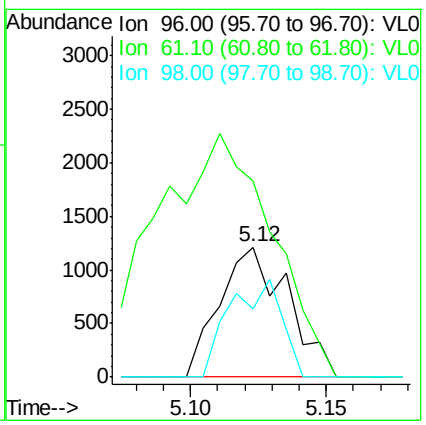


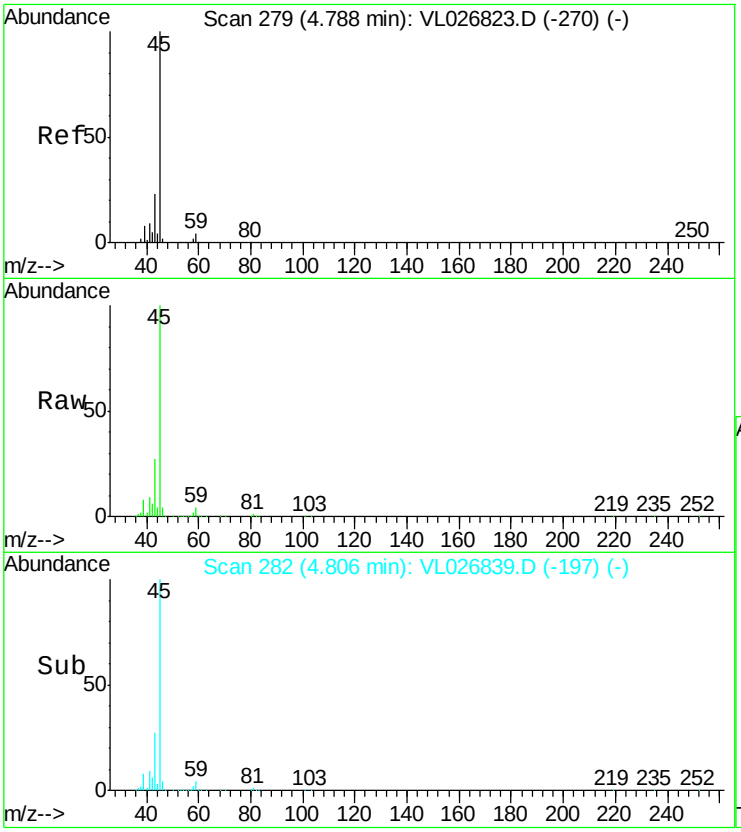


#18
1,1-Dichloroethene
Concen: 0.02 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 96 Resp: 2102

Ion	Ratio	Lower	Upper
96	100		
61	150.4	136.7	205.1
98	52.8	52.1	78.1



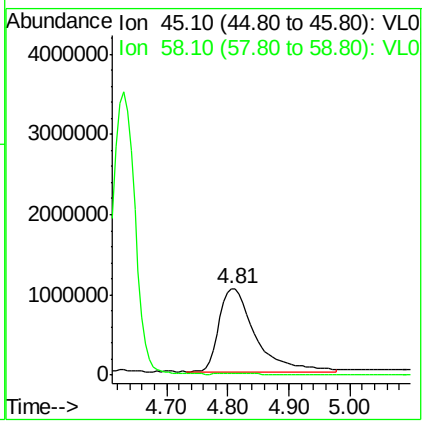


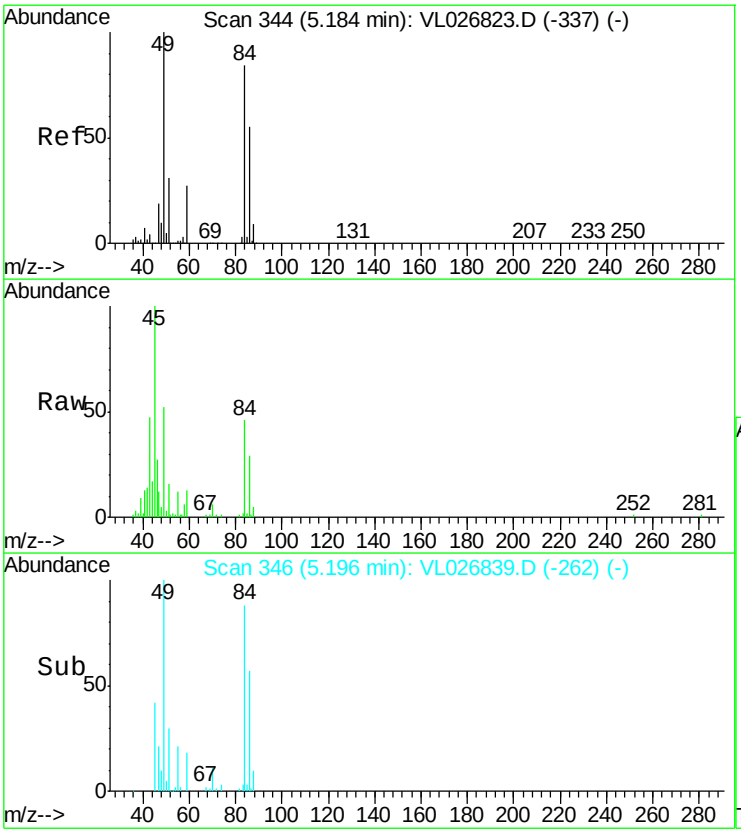
#19
Isopropyl Alcohol
Concen: 68.14 ppbv
RT: 4.81 min Scan# 282
Delta R.T. 0.02 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 45 Resp: 4276354

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#

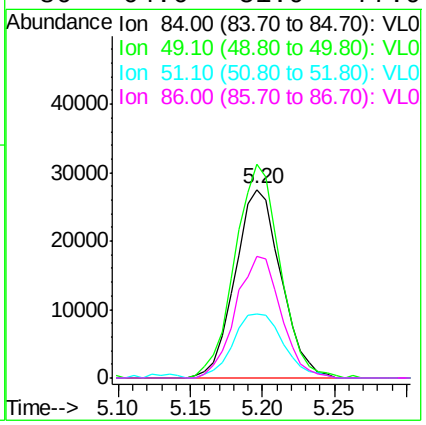


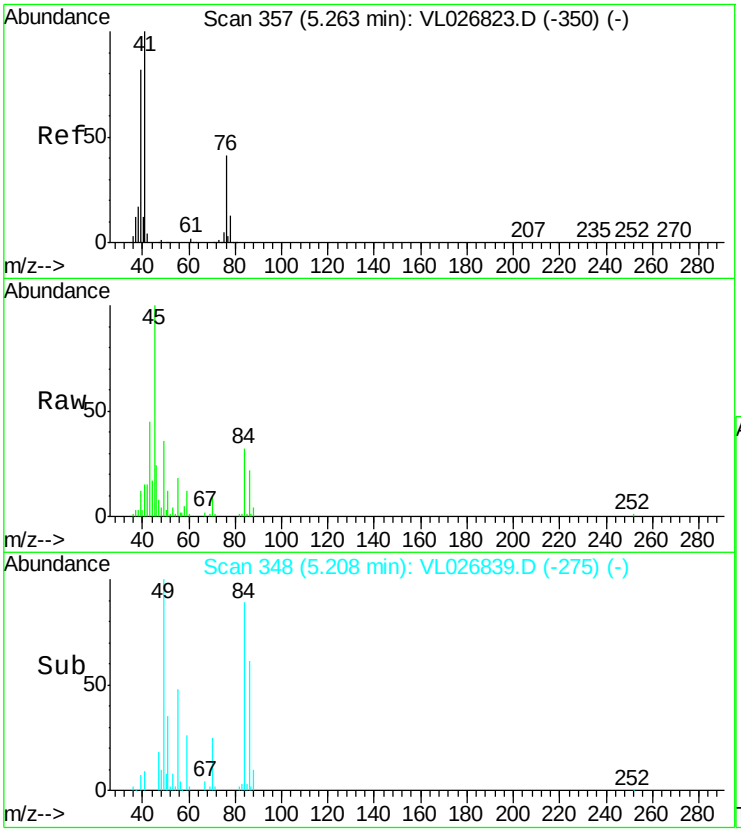


#20
Methylene Chloride
Concen: 0.67 ppbv
RT: 5.20 min Scan# 346
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 84 Resp: 60687

Ion	Ratio	Lower	Upper
84	100		
49	113.4	94.9	142.3
51	34.0	29.5	44.3
86	64.6	51.9	77.9



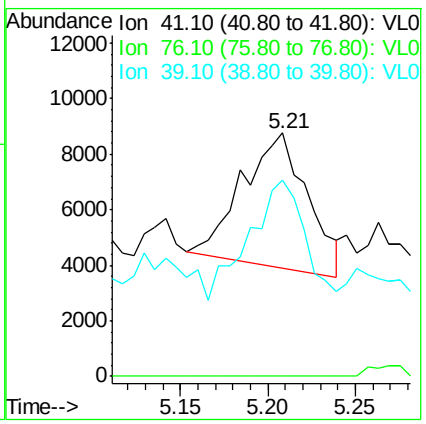


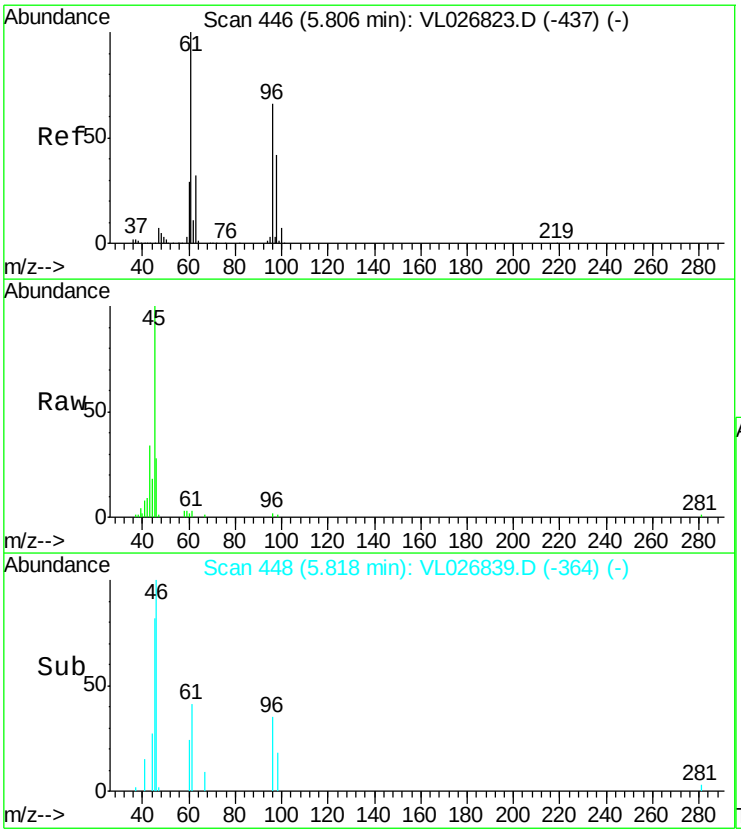
#21
Allyl Chloride
Concen: 0.11 ppbv
RT: 5.21 min Scan# 348
Delta R.T. -0.05 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 41 Resp: 12409

Ion	Ratio	Lower	Upper
41	100		
76	0.0	32.0	48.0#
39	210.2	64.6	96.8#

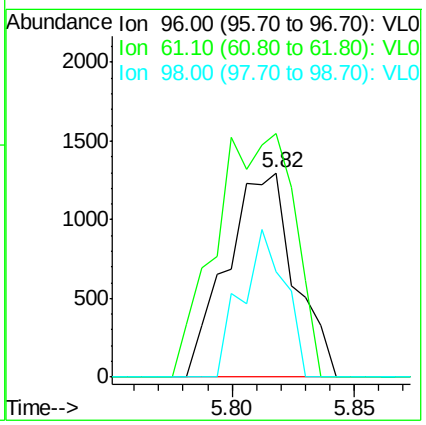


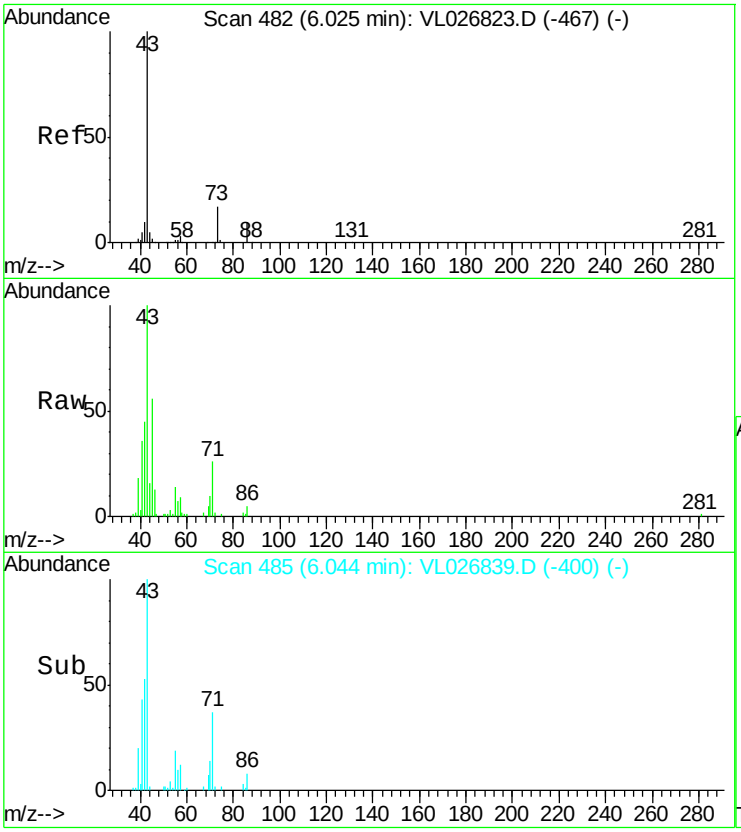


#22
trans-1,2-Dichloroethene
Concen: 0.03 ppbv
RT: 5.82 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 96 Resp: 2501

Ion	Ratio	Lower	Upper
96	100		
61	119.1	121.6	182.4#
98	51.7	50.6	76.0



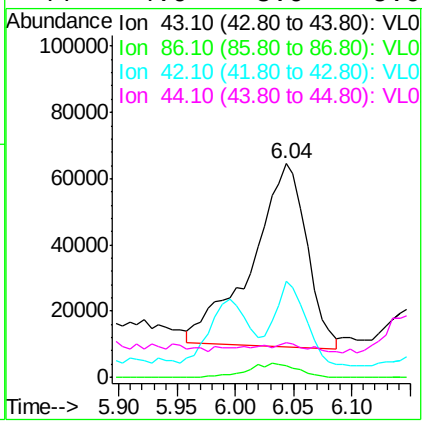


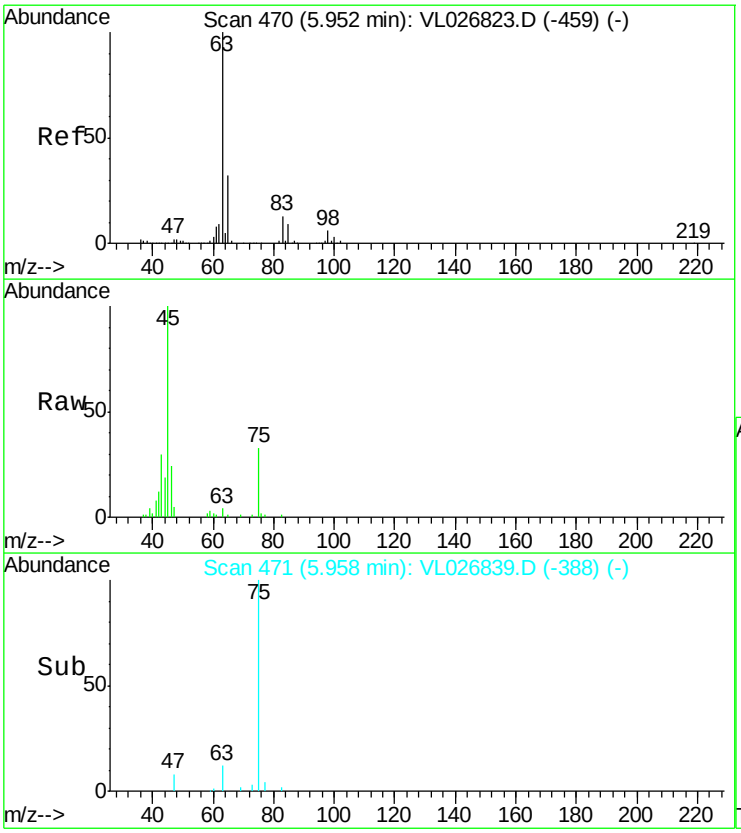
#23
Vinyl Acetate
Concen: 0.76 ppbv
RT: 6.04 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 43 Resp: 180276

Ion	Ratio	Lower	Upper
43	100		
86	6.6	7.7	11.5#
42	47.7	7.8	11.8#
44	4.9	3.9	5.9

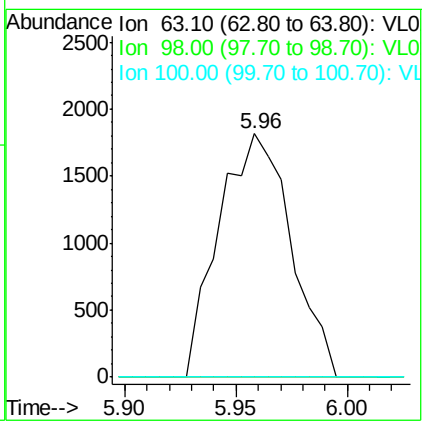


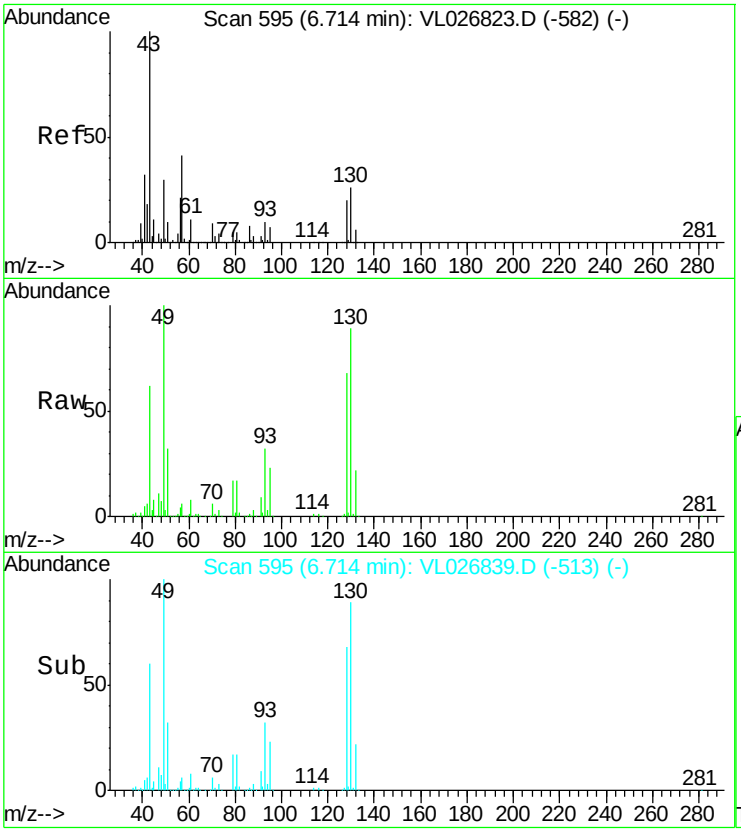


#24
1,1-Dichloroethane
Concen: 0.02 ppbv
RT: 5.96 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 63 Resp: 4094

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.7#
100	0.0	1.7	5.1#



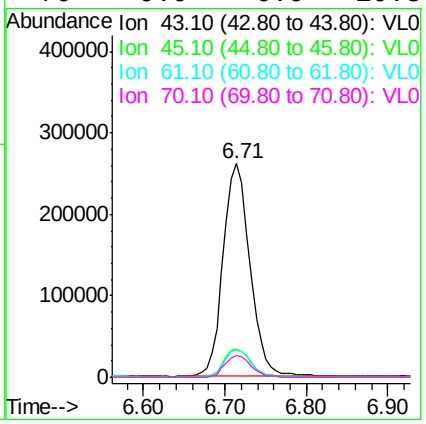


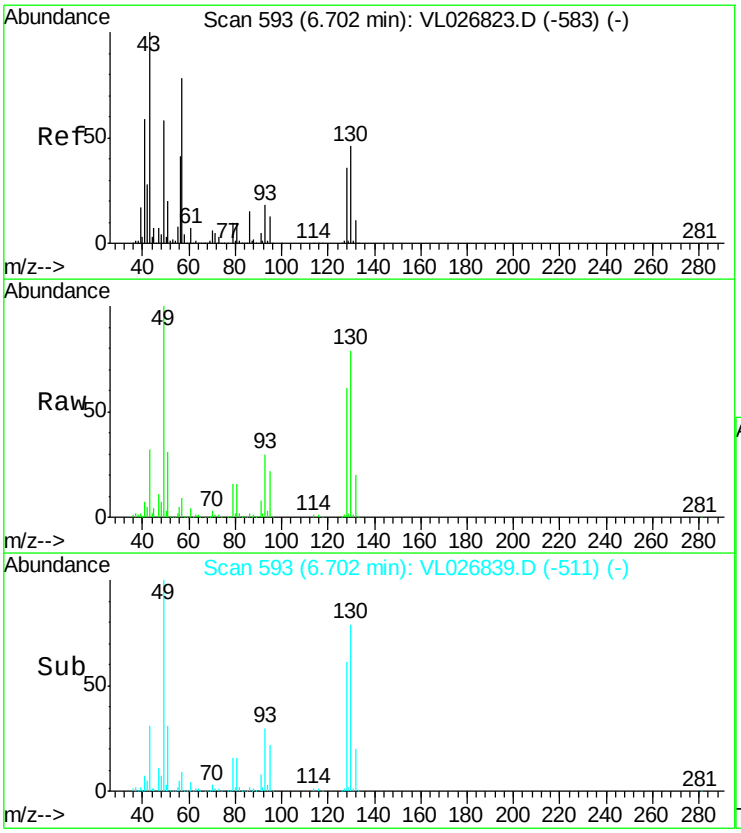
#25
Ethyl Acetate
Concen: 2.26 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 43 Resp: 596049

Ion	Ratio	Lower	Upper
43	100		
45	13.4	7.8	11.8#
61	12.5	7.9	11.9#
70	9.9	6.9	10.3

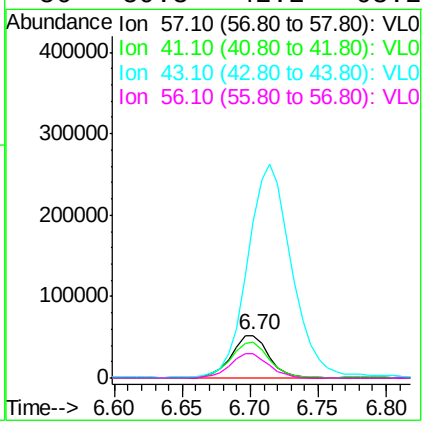


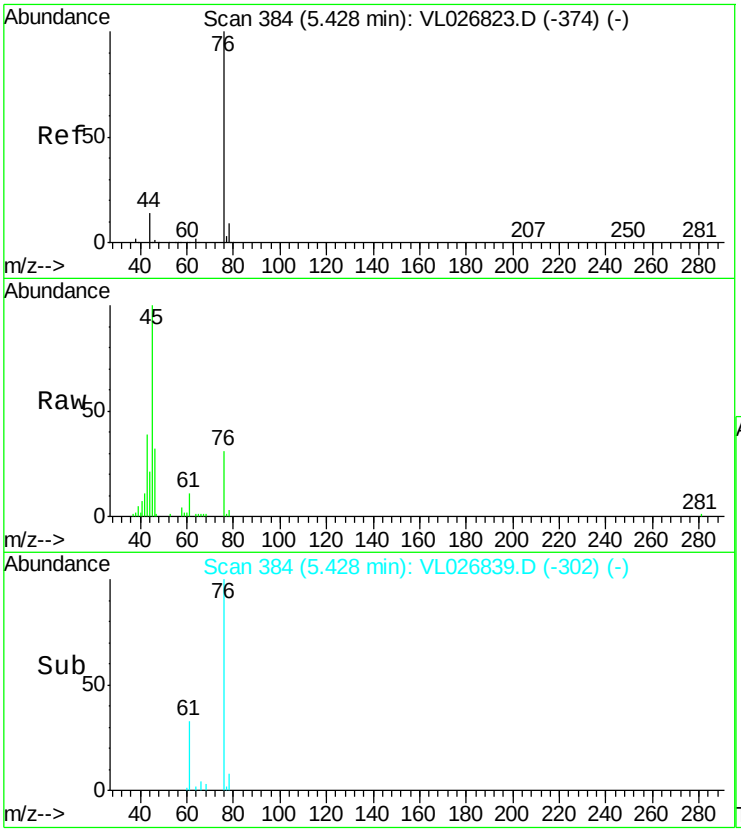


#26
Hexane
Concen: 0.68 ppbv
RT: 6.70 min Scan# 593
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 57 Resp: 101337

Ion	Ratio	Lower	Upper
57	100		
41	90.5	63.3	94.9
43	597.2	151.4	227.2#
56	59.3	42.2	63.2



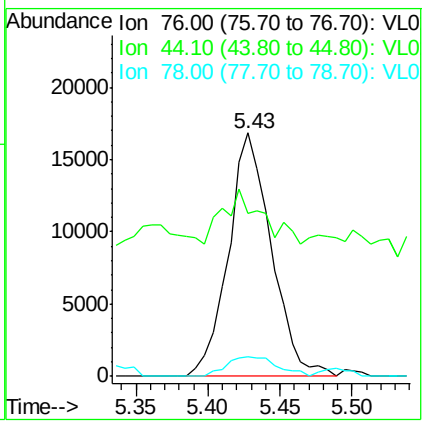


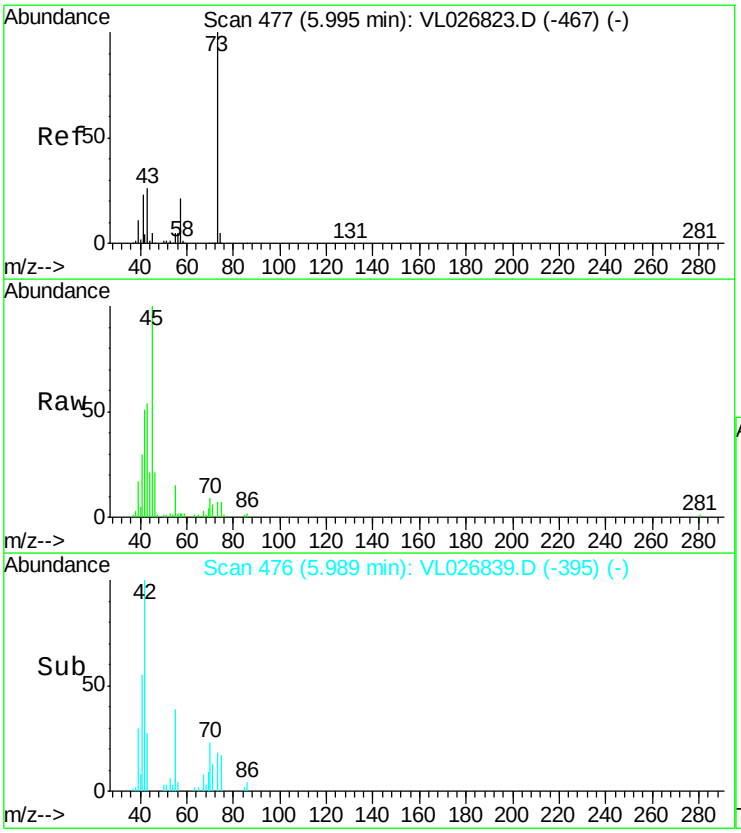
#27
Carbon Disulfide
Concen: 0.14 ppbv
RT: 5.43 min Scan# 384
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 76 Resp: 34859

Ion	Ratio	Lower	Upper
76	100		
44	36.9	12.1	18.1#
78	11.7	7.7	11.5#

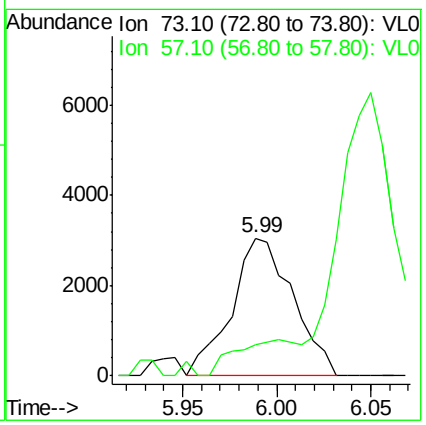


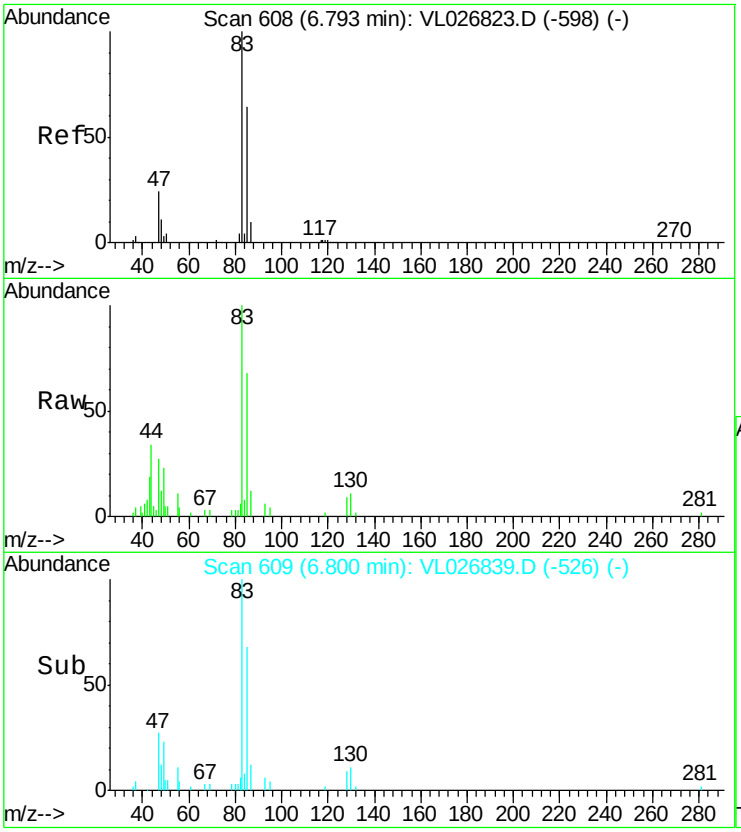


#28
Methyl tert-Butyl Ether
Concen: 0.03 ppbv
RT: 5.99 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 73 Resp: 6934

Ion	Ratio	Lower	Upper
73	100		
57	218.7	17.0	25.6#



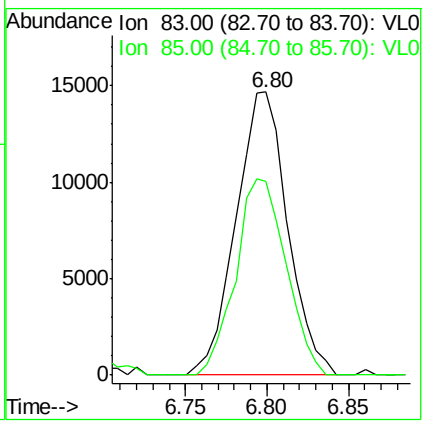


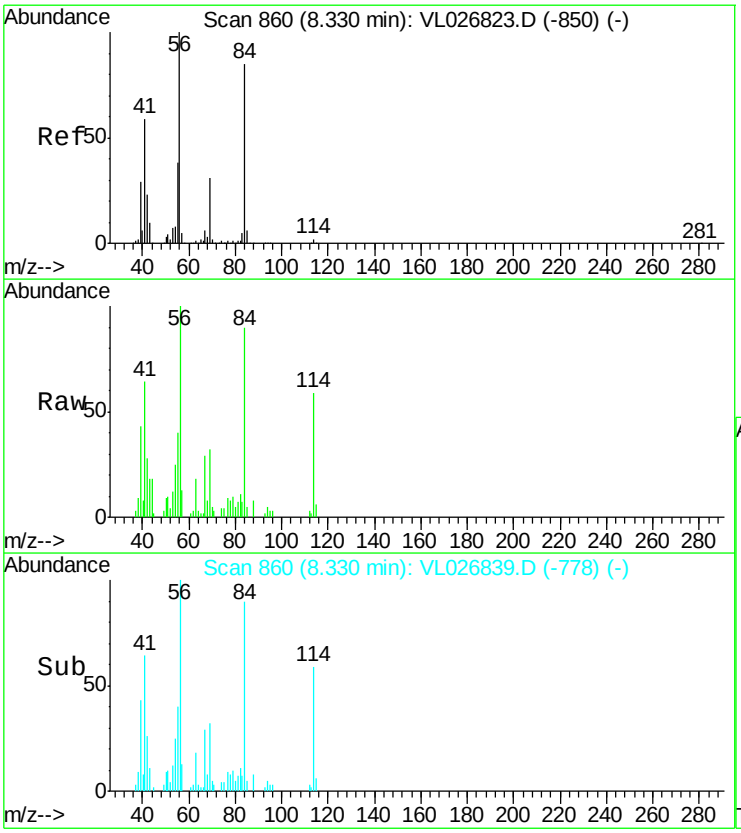
#29
Chloroform
Concen: 0.14 ppbv
RT: 6.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 83 Resp: 32267

Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.5	77.3

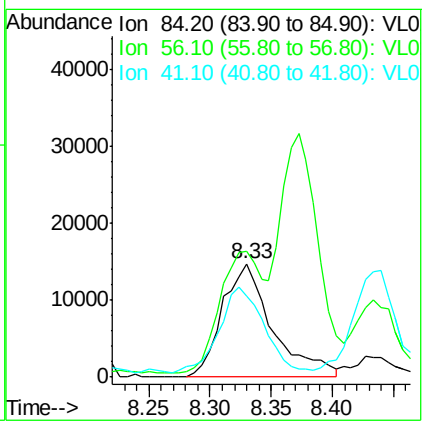


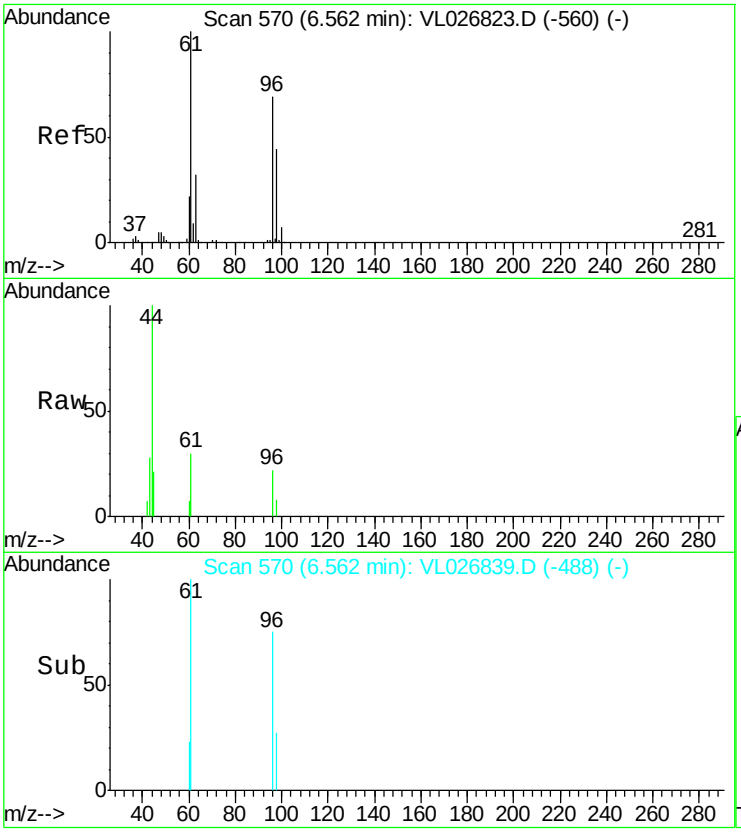


#30
Cyclohexane
Concen: 0.35 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 84 Resp: 42120

Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.4	149.2#
41	75.1	56.7	85.1



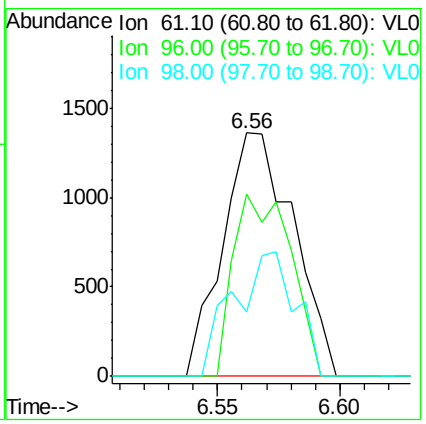


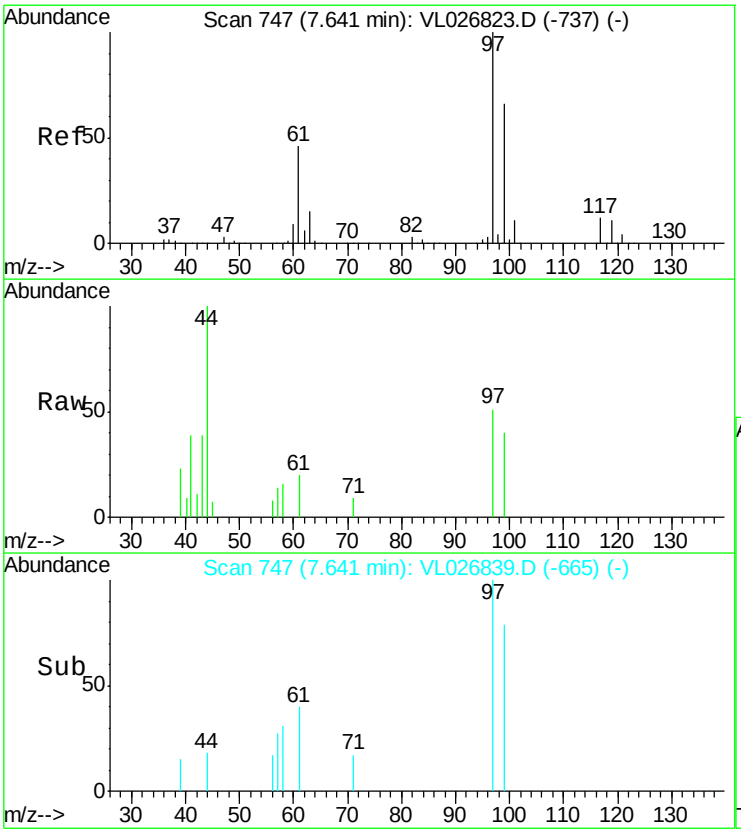
#31
cis-1,2-Dichloroethene
Concen: 0.02 ppbv
RT: 6.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 61 Resp: 2742

Ion	Ratio	Lower	Upper
61	100		
96	75.0	55.2	82.8
98	26.6	35.2	52.8#

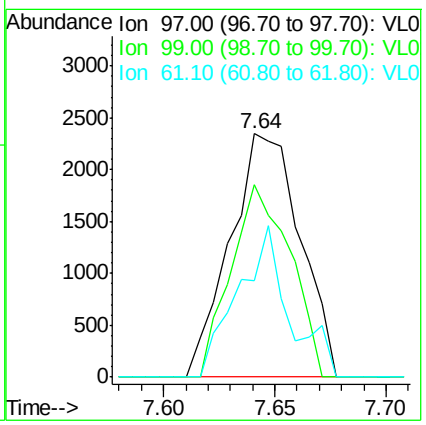


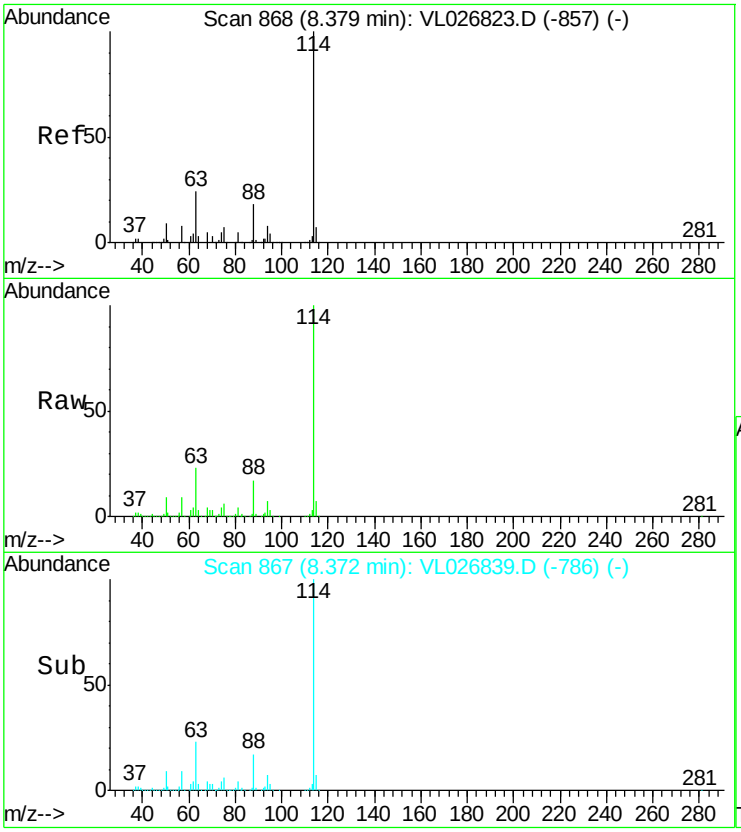


#32
1,1,1-Trichloroethane
Concen: 0.02 ppbv
RT: 7.64 min Scan# 747
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 97 Resp: 5139

Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.0	78.0
61	45.4	36.2	54.4



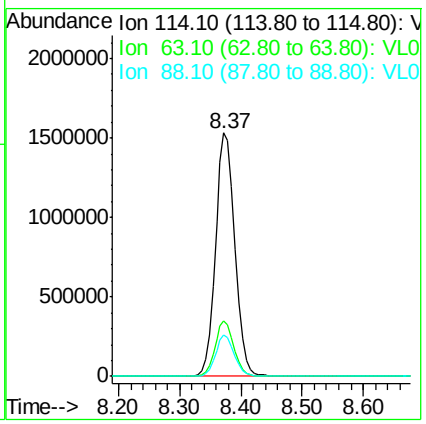


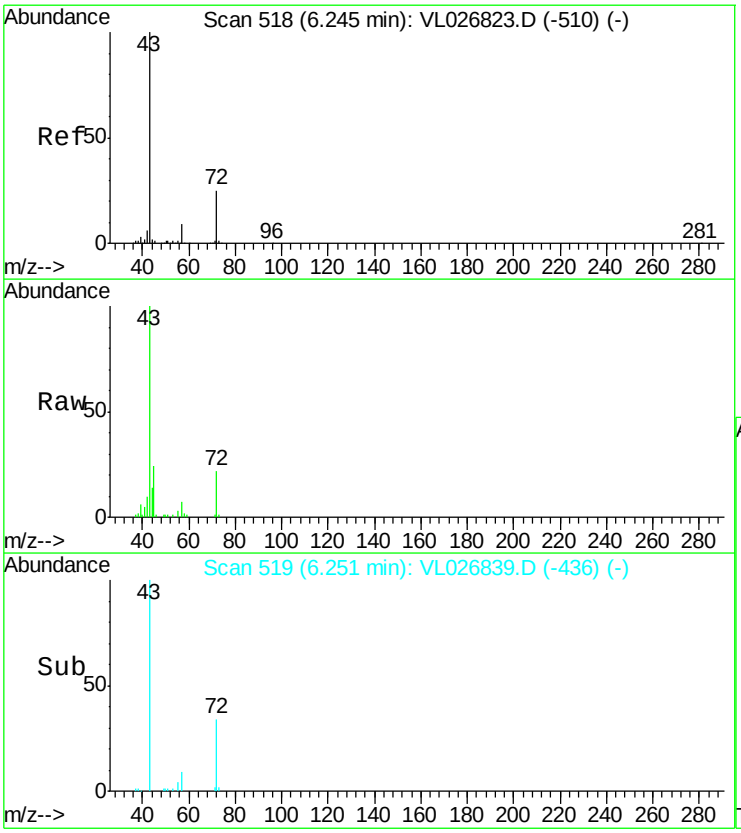
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.37 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion:114 Resp: 3388912

Ion	Ratio	Lower	Upper
114	100		
63	22.3	19.7	29.5
88	16.4	13.8	20.6

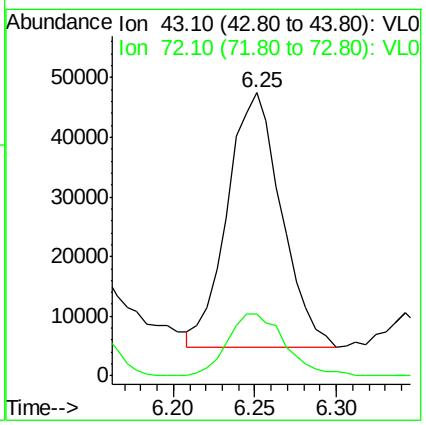


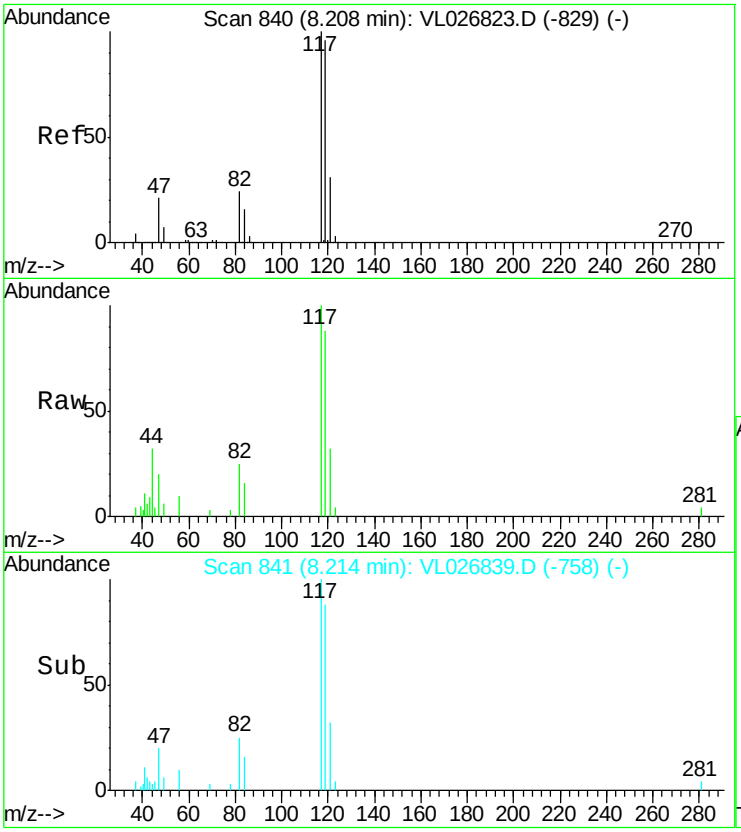


#34
2-Butanone
Concen: 0.59 ppbv
RT: 6.25 min Scan# 519
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 43 Resp: 98730

Ion	Ratio	Lower	Upper
43	100		
72	25.7	19.8	29.8



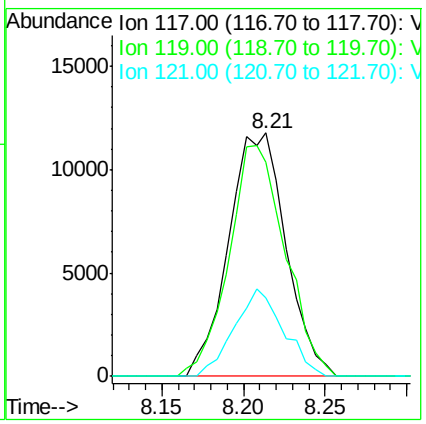


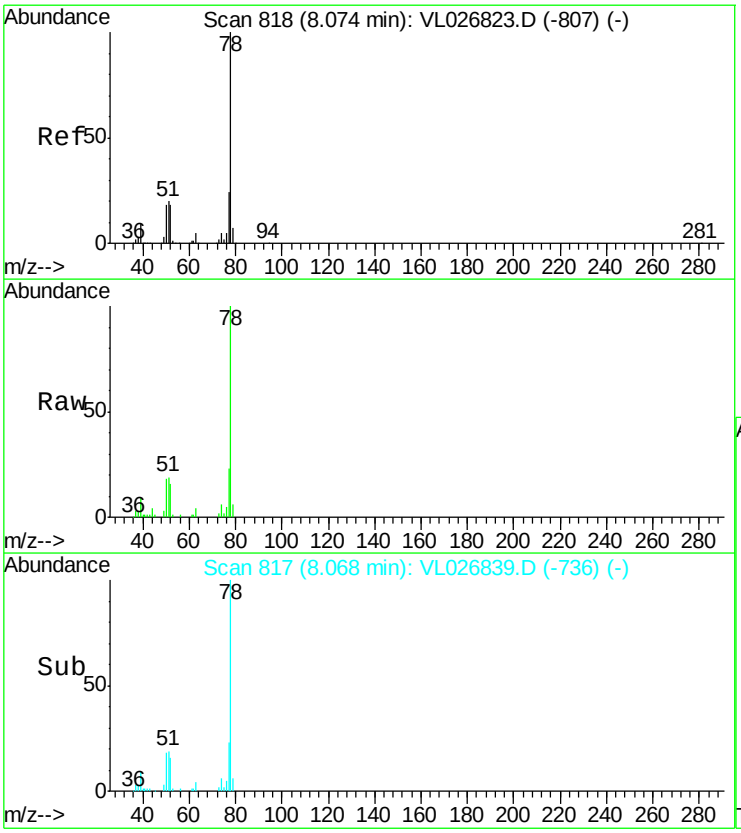
#35
Carbon Tetrachloride
Concen: 0.12 ppbv
RT: 8.21 min Scan# 841
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:117 Resp: 28775

Ion	Ratio	Lower	Upper
117	100		
119	87.7	76.6	115.0
121	32.0	25.0	37.4

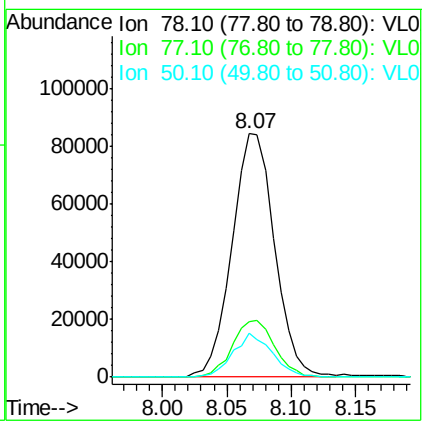


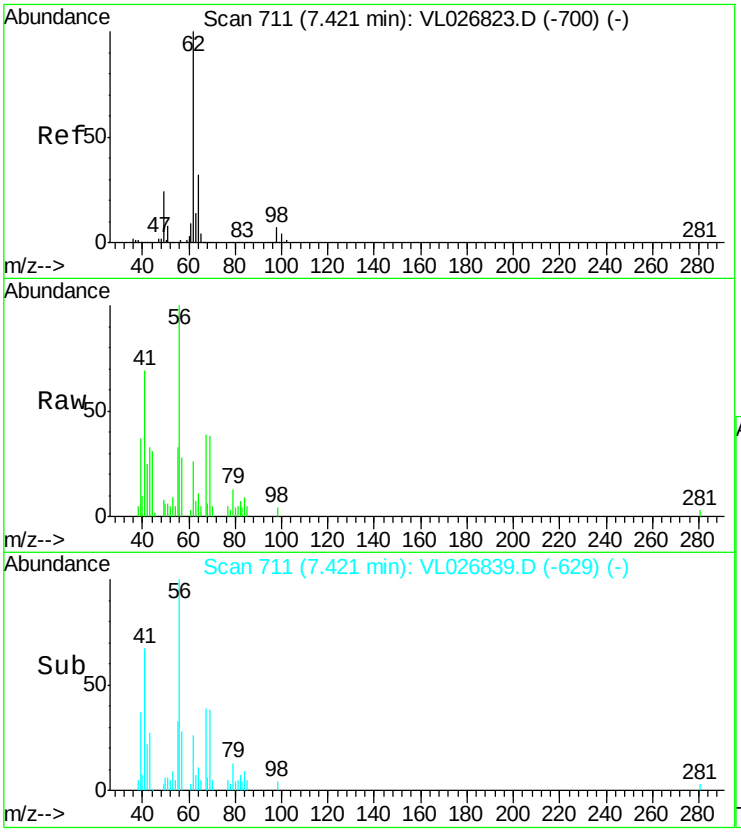


#36
Benzene
Concen: 0.72 ppbv
RT: 8.07 min Scan# 817
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 78 Resp: 193418

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6
50	17.8	14.2	21.4



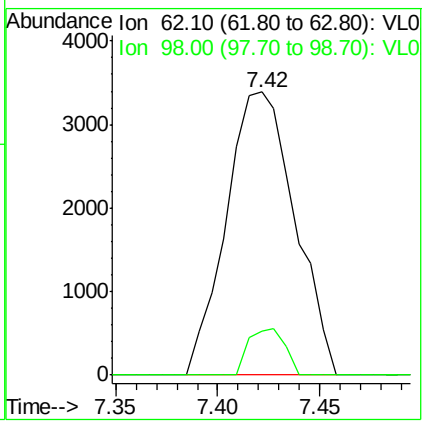


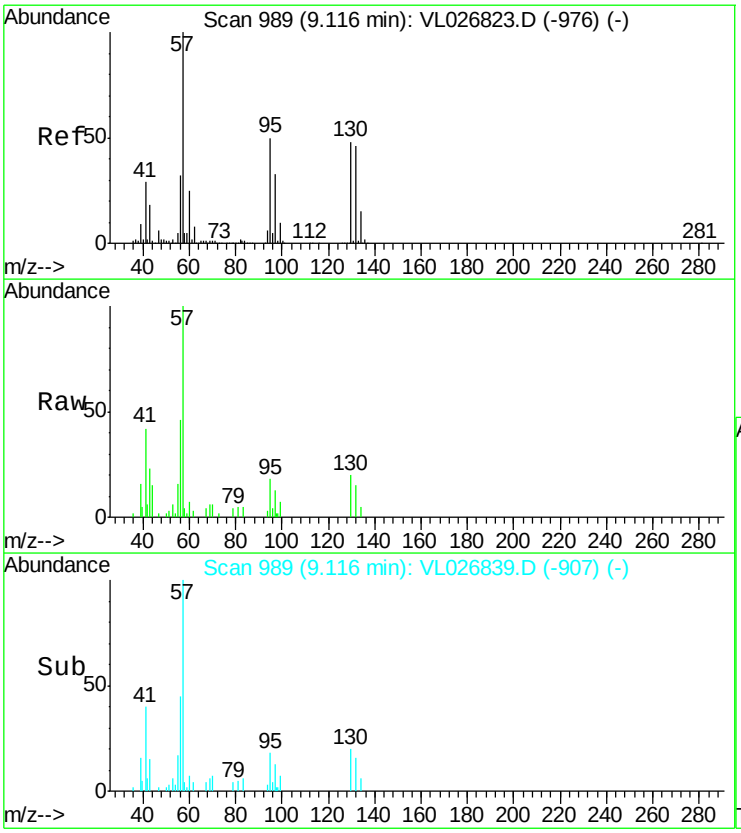
#37
1,2-Dichloroethane
Concen: 0.05 ppbv
RT: 7.42 min Scan# 711
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 62 Resp: 7926

Ion	Ratio	Lower	Upper
62	100		
98	8.6	5.4	8.2#

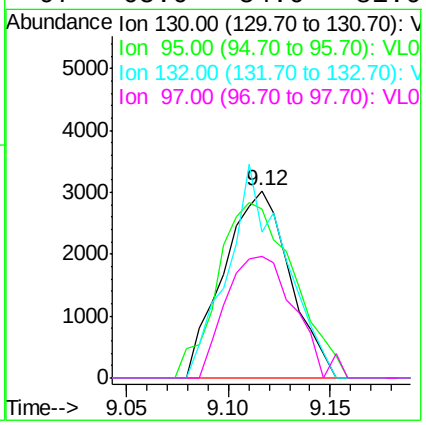


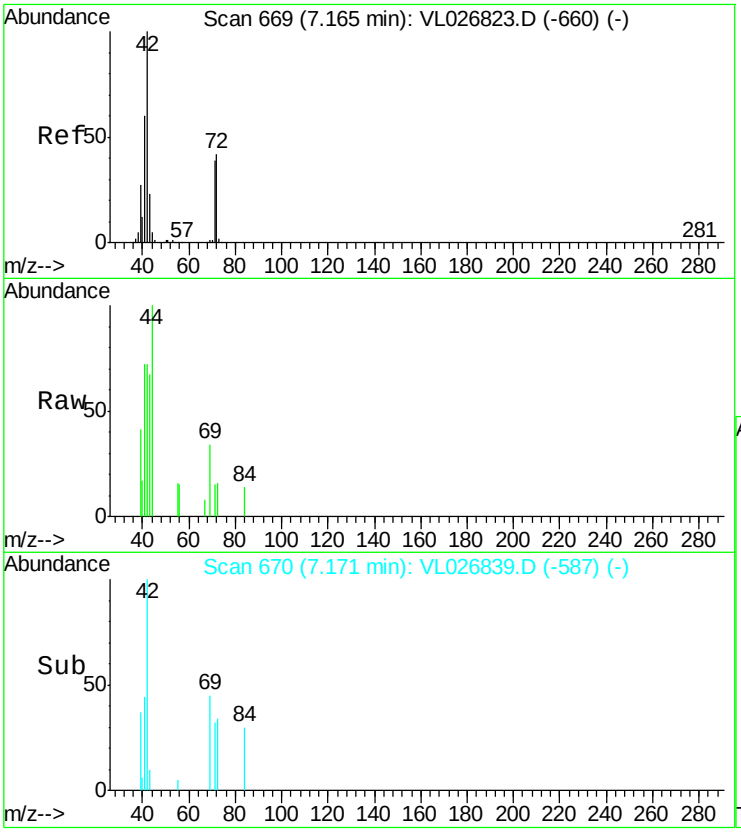


#38
Trichloroethene
Concen: 0.06 ppbv
RT: 9.12 min Scan# 989
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:130 Resp: 6879

Ion	Ratio	Lower	Upper
130	100		
95	78.4	83.0	124.6#
132	77.7	76.0	114.0
97	65.0	54.0	81.0



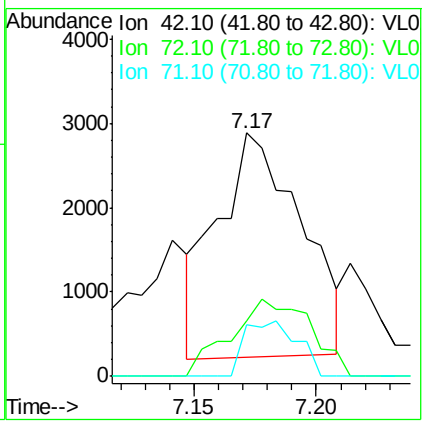


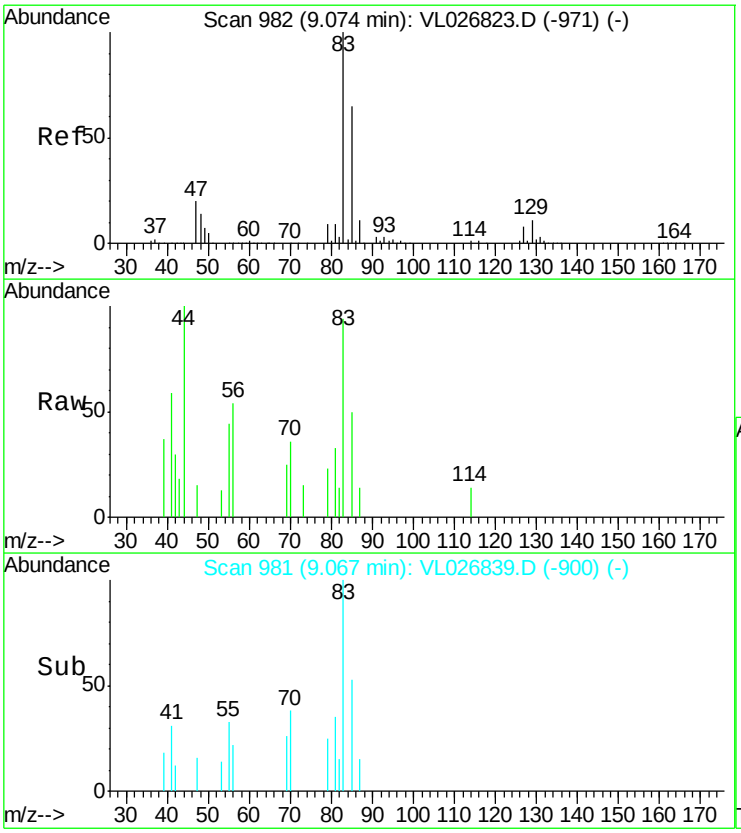
#41
Tetrahydrofuran
Concen: 0.08 ppbv
RT: 7.17 min Scan# 670
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 42 Resp: 6302

Ion	Ratio	Lower	Upper
42	100		
72	33.1	33.4	50.0#
71	15.6	32.1	48.1#

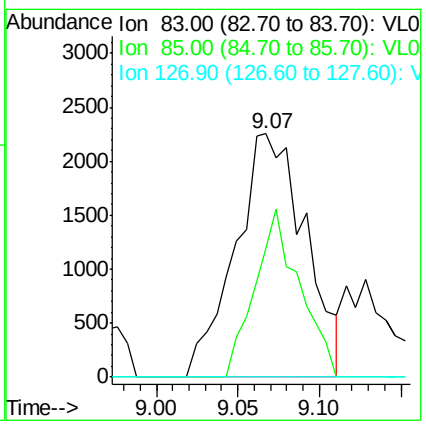


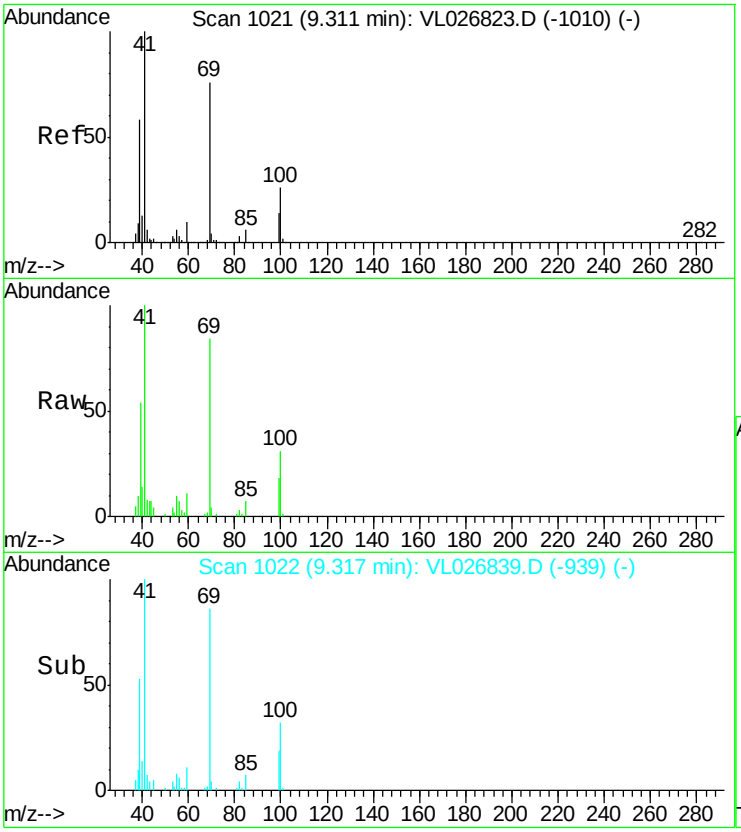


#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 83 Resp: 6739

Ion	Ratio	Lower	Upper
83	100		
85	52.6	51.8	77.6
127	0.0	6.4	9.6#



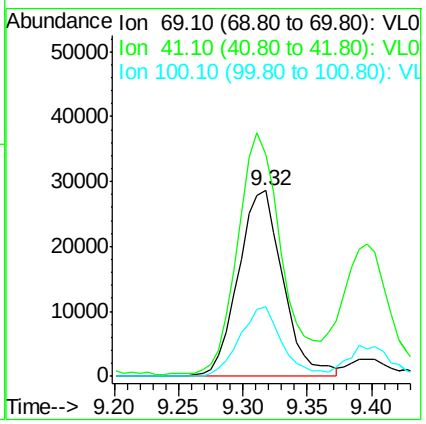


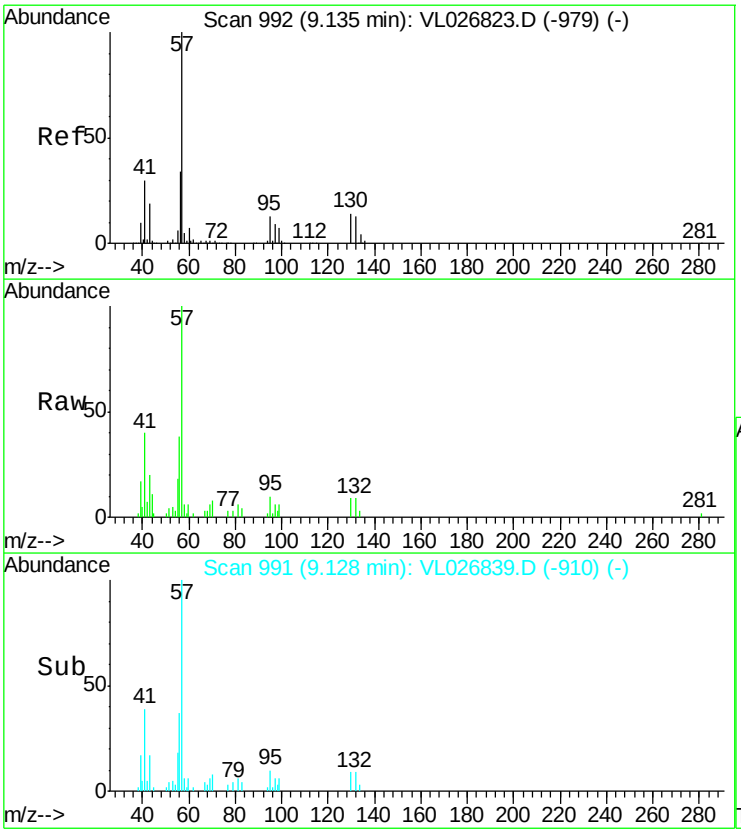
#43
Methyl Methacrylate
Concen: 0.73 ppbv
RT: 9.32 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 69 Resp: 68939

Ion	Ratio	Lower	Upper
69	100		
41	124.8	106.5	159.7
100	34.8	27.2	40.8

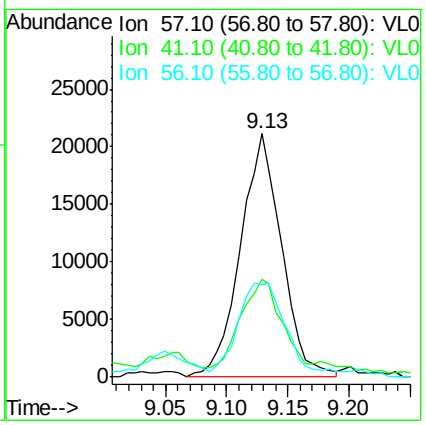


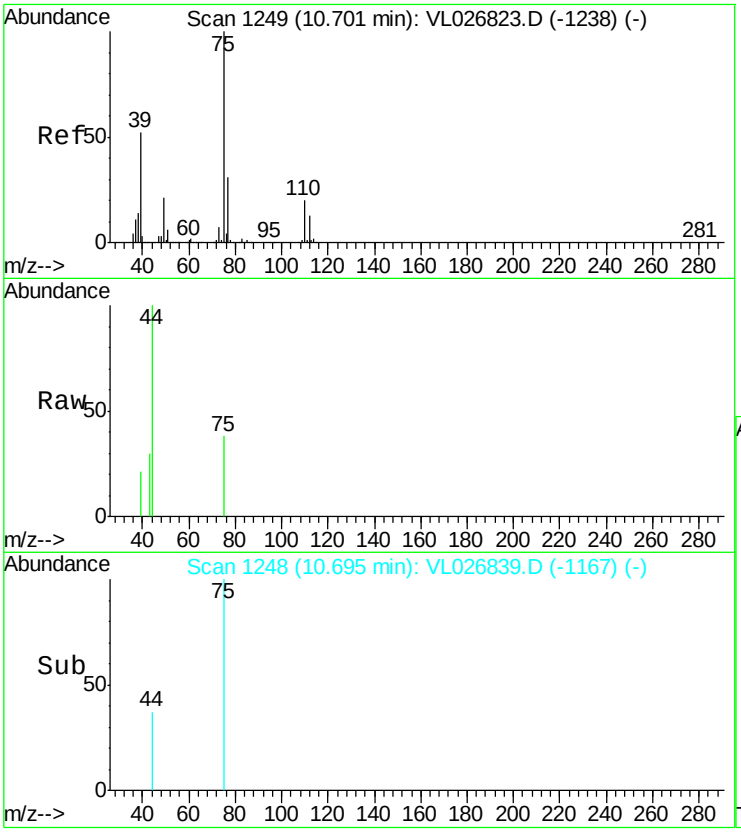


#44
2,2,4-Trimethylpentane
Concen: 0.11 ppbv
RT: 9.13 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 57 Resp: 49587

Ion	Ratio	Lower	Upper
57	100		
41	54.2	23.2	34.8#
56	47.4	26.2	39.4#



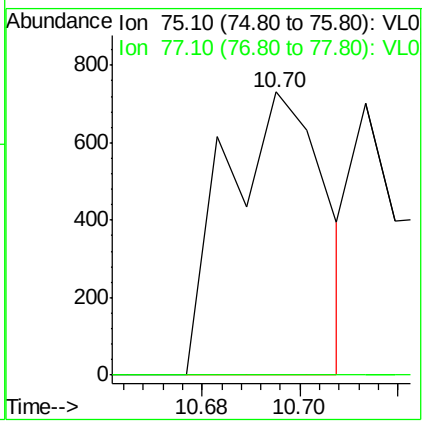


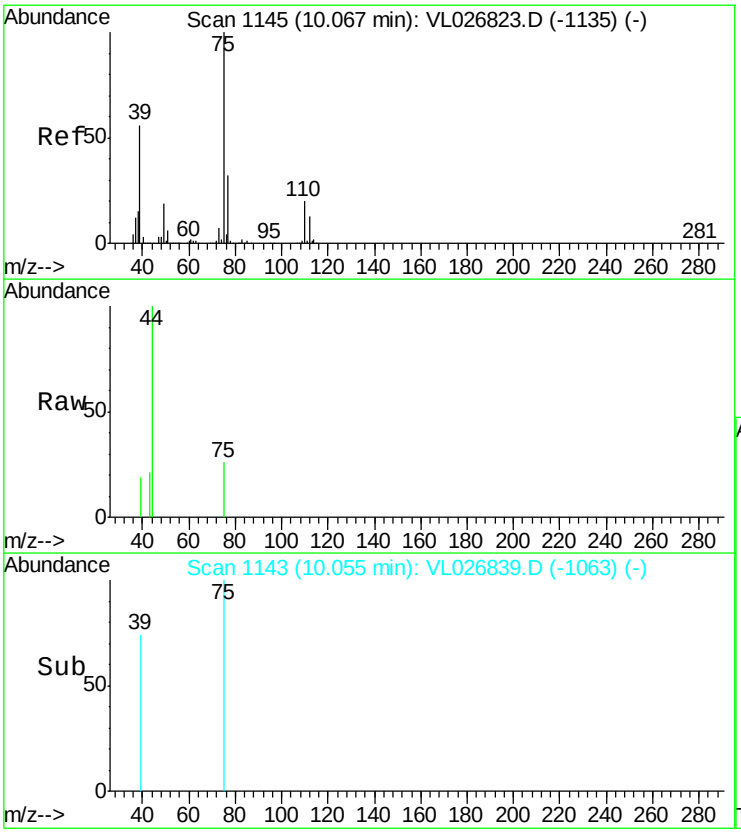
#45
t-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 10.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 75 Resp: 1027

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#

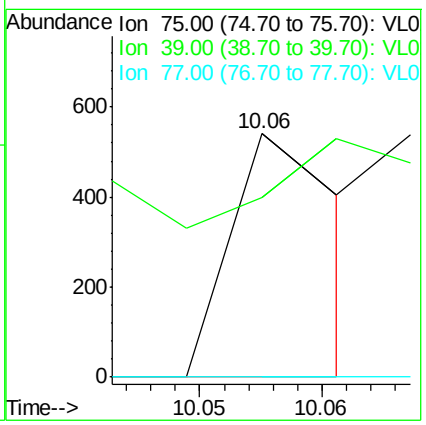


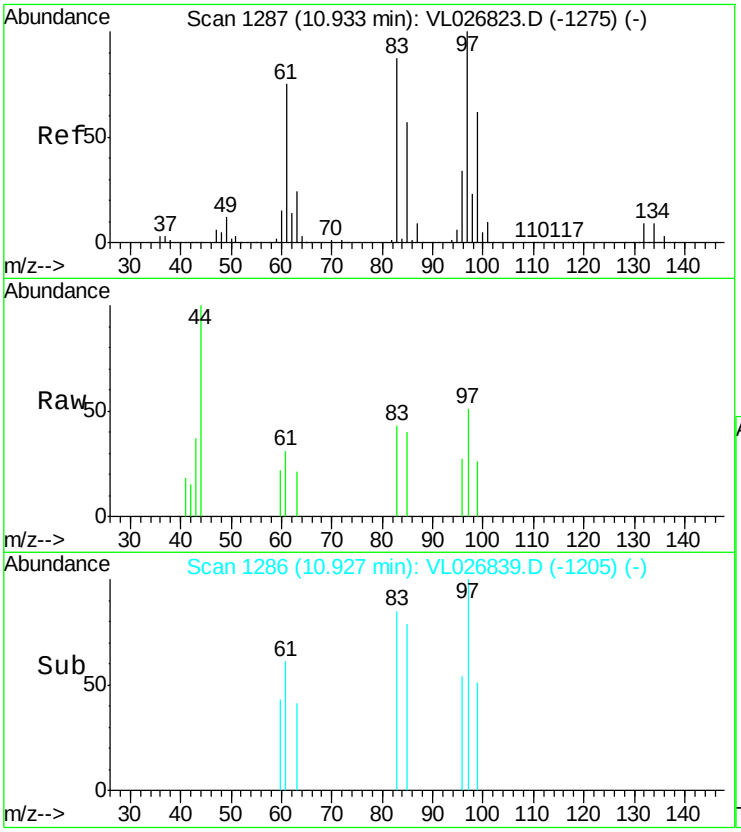


#46
cis-1,3-Dichloropropene
Concen: 0.00 ppbv
RT: 10.06 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 75 Resp: 346

Ion	Ratio	Lower	Upper
75	100		
39	12.2	45.0	67.6#
77	0.0	25.2	37.8#



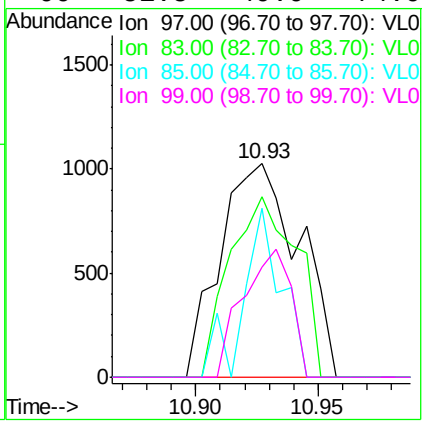


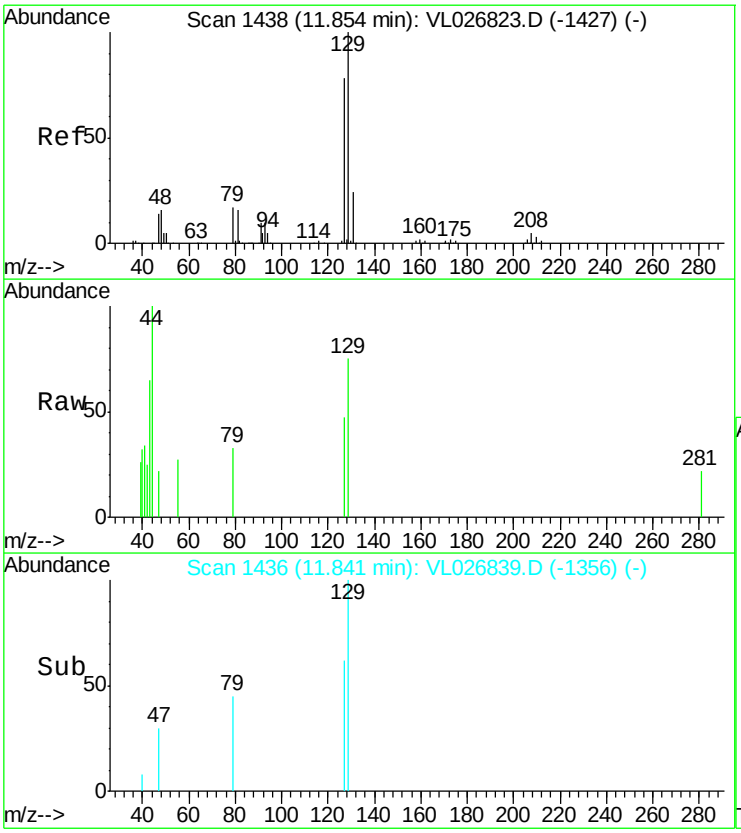
#47
1,1,2-Trichloroethane
Concen: 0.02 ppbv
RT: 10.93 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 97 Resp: 2308

Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.7	104.5
85	79.1	45.3	67.9#
99	51.5	49.9	74.9

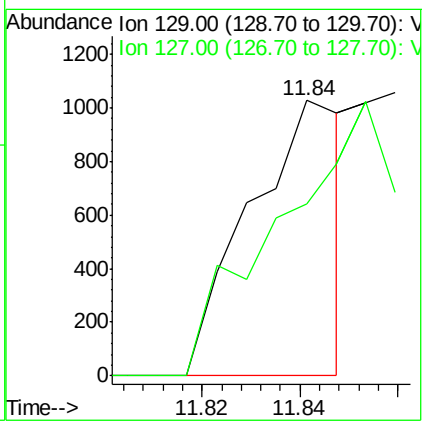


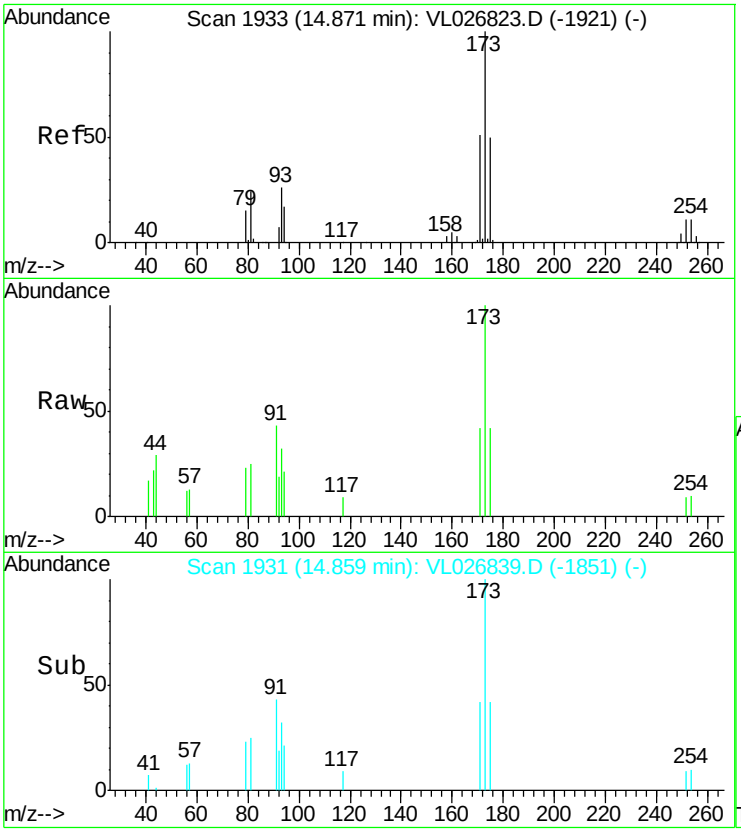


#48
Dibromochloromethane
Concen: 0.01 ppbv
RT: 11.84 min Scan# 1436
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:129 Resp: 1371

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.6	119.0#



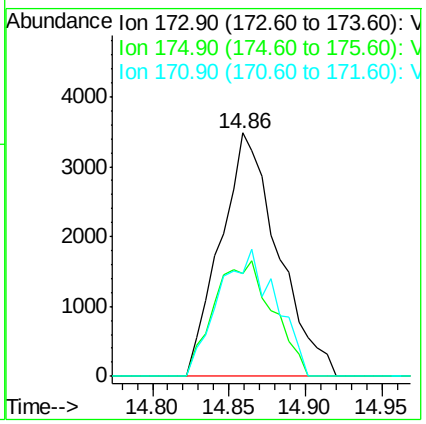


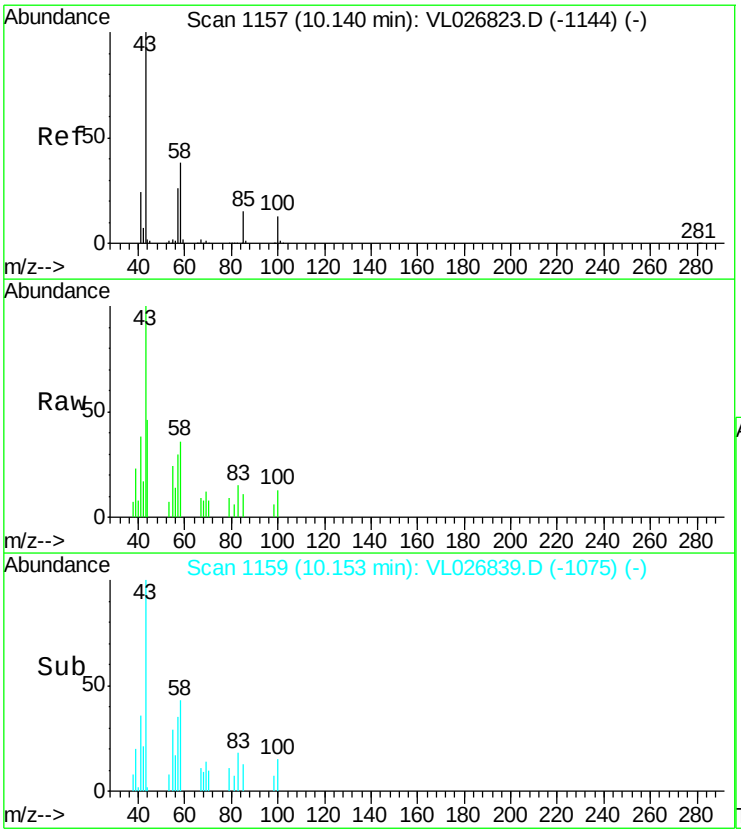
#49
Bromoform
Concen: 0.07 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:173 Resp: 9109

Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.2	58.8
171	51.8	41.4	62.0

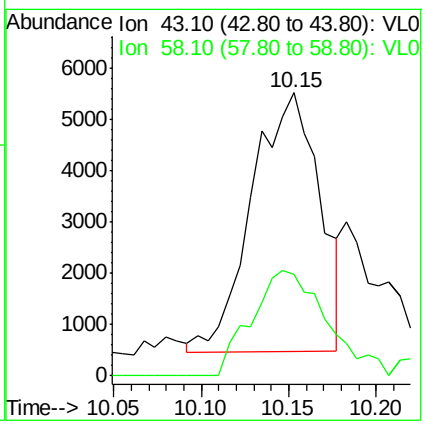


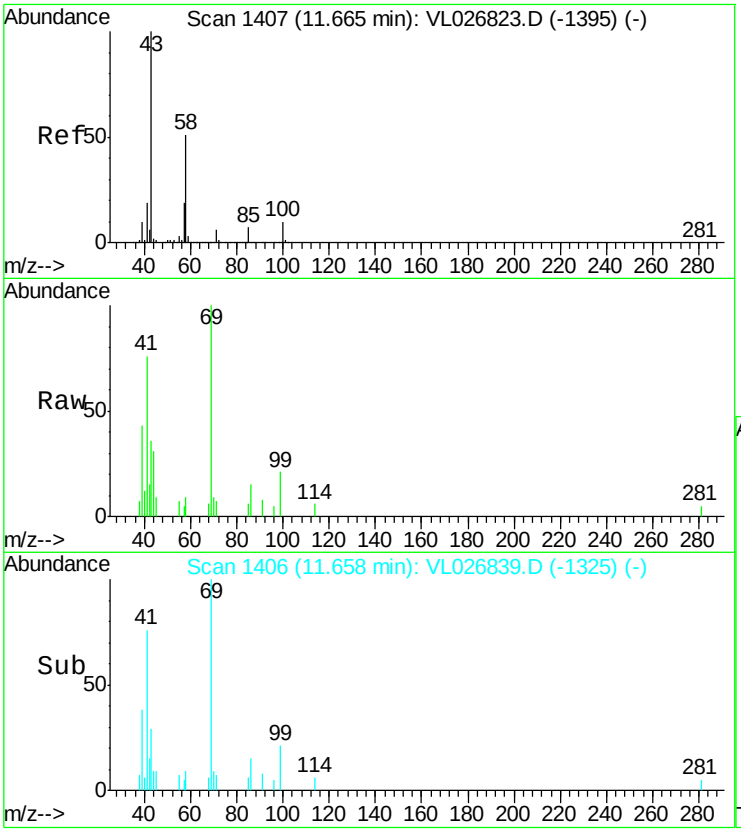


#50
4-Methyl-2-Pentanone
Concen: 0.07 ppbv
RT: 10.15 min Scan# 1159
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 43 Resp: 13643

Ion	Ratio	Lower	Upper
43	100		
58	48.1	30.3	45.5#



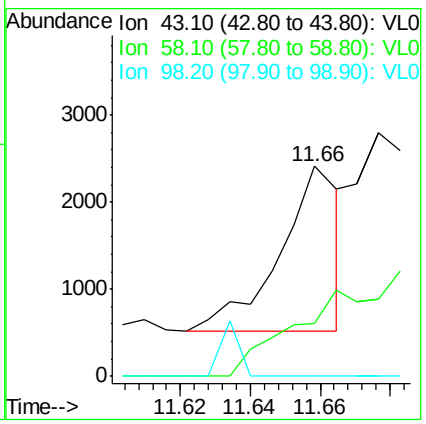


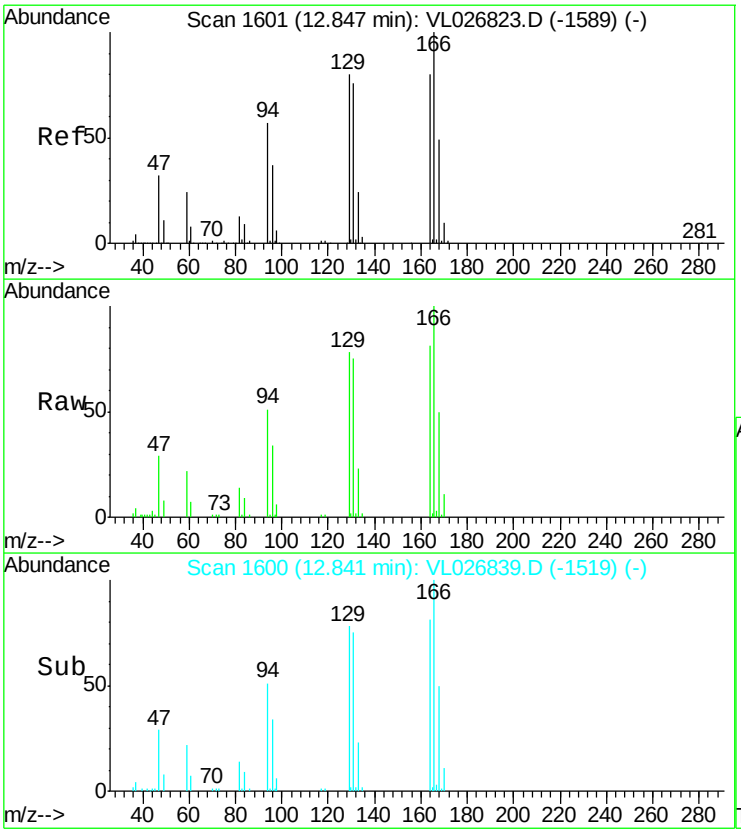
#51
2-Hexanone
Concen: 0.01 ppbv
RT: 11.66 min Scan# 1406
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 43 Resp: 2286

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	10.1	0.2	0.4#

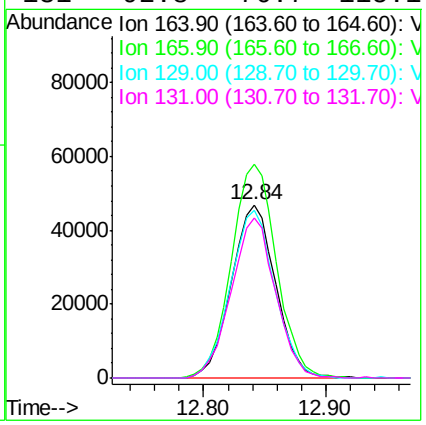


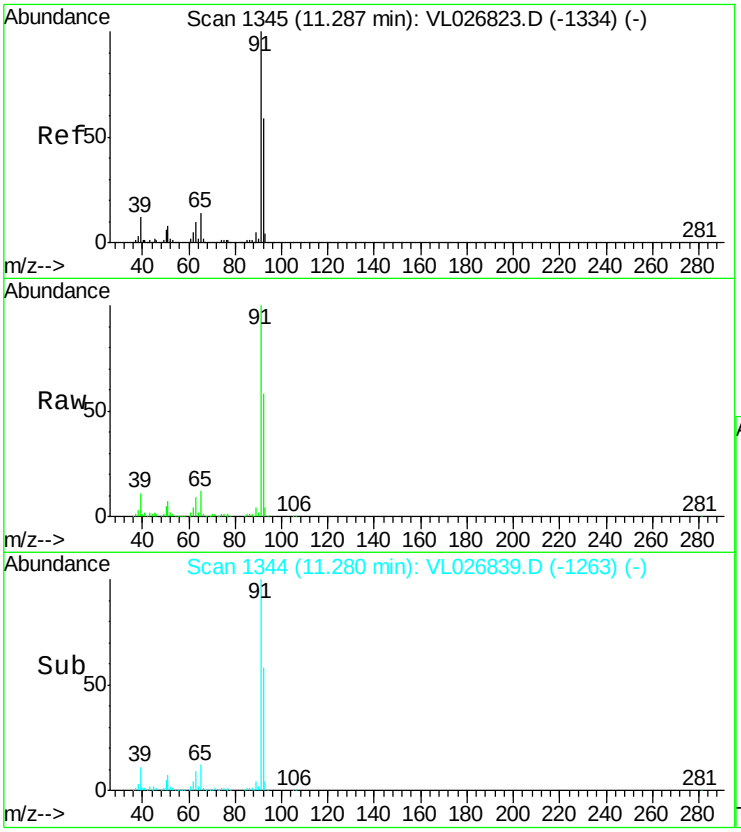


#52
Tetrachloroethene
Concen: 1.11 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:164 Resp: 117174

Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.3	150.5
129	96.8	80.0	120.0
131	92.8	76.7	115.1



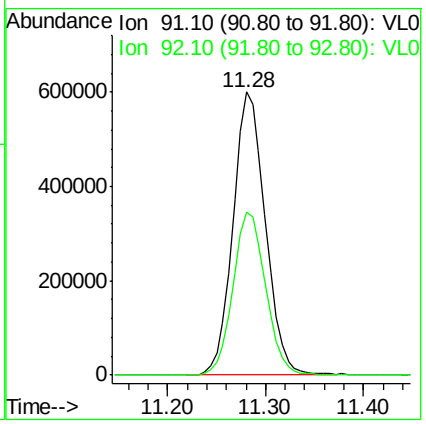


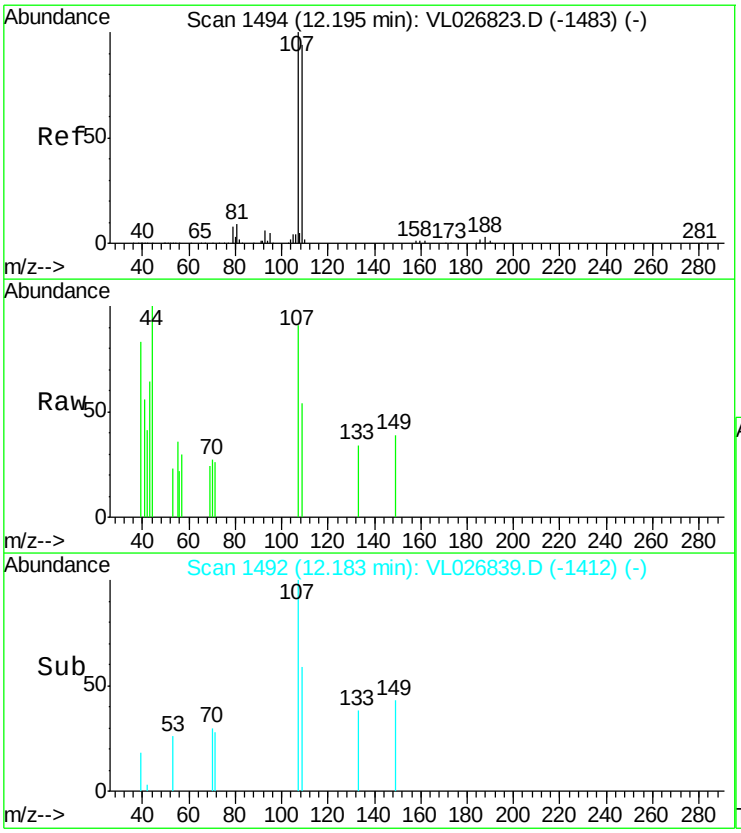
#53
Toluene
Concen: 4.55 ppbv
RT: 11.28 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 91 Resp: 1375438

Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.3	70.9

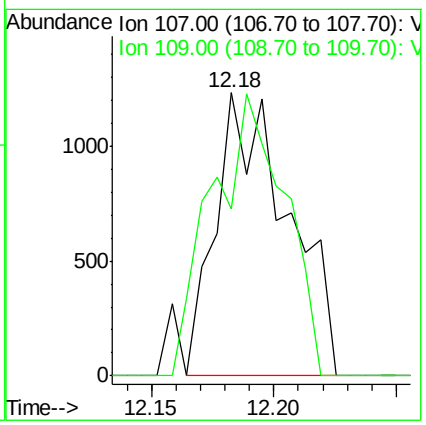


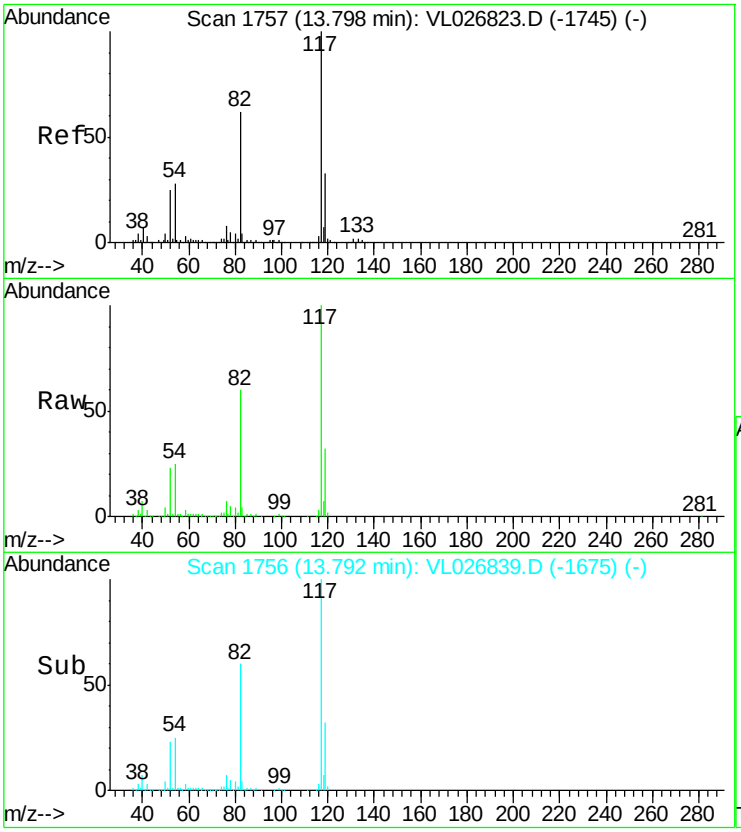


#54
1,2-Dibromoethane
Concen: 0.02 ppbv
RT: 12.18 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:107 Resp: 2534

Ion	Ratio	Lower	Upper
107	100		
109	59.0	75.0	112.4#



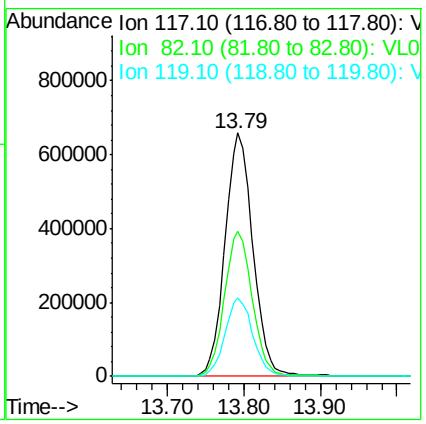


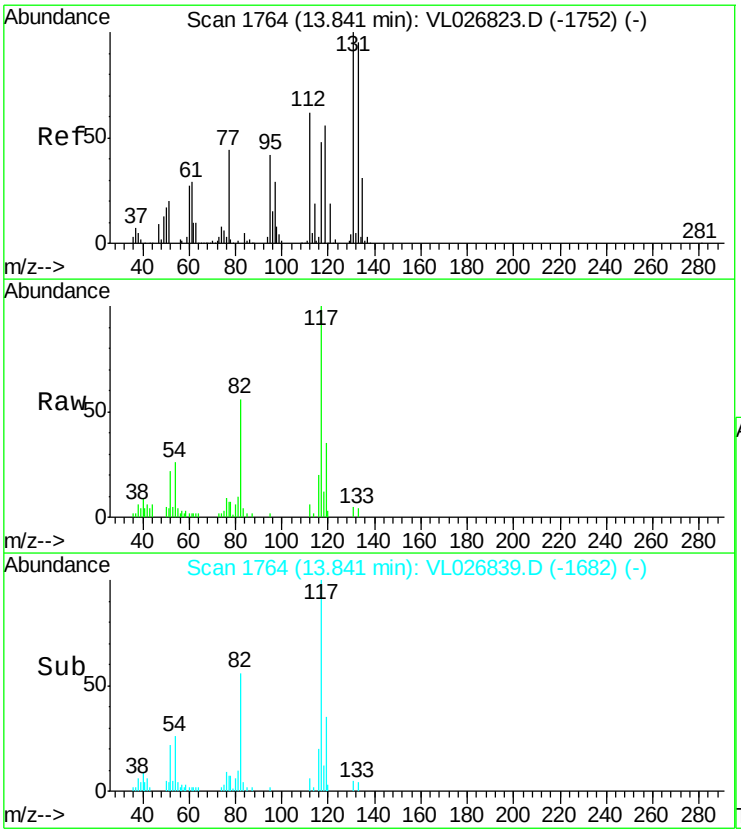
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:117 Resp: 1663799

Ion	Ratio	Lower	Upper
117	100		
82	60.4	51.9	77.9
119	32.4	48.5	72.7#

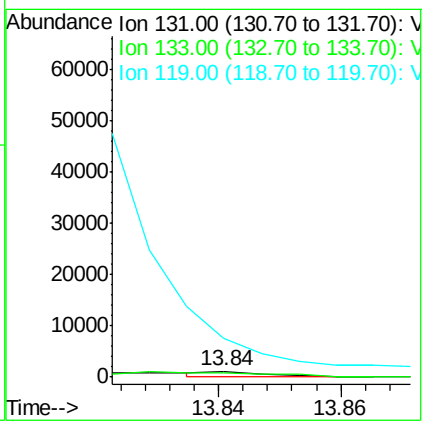


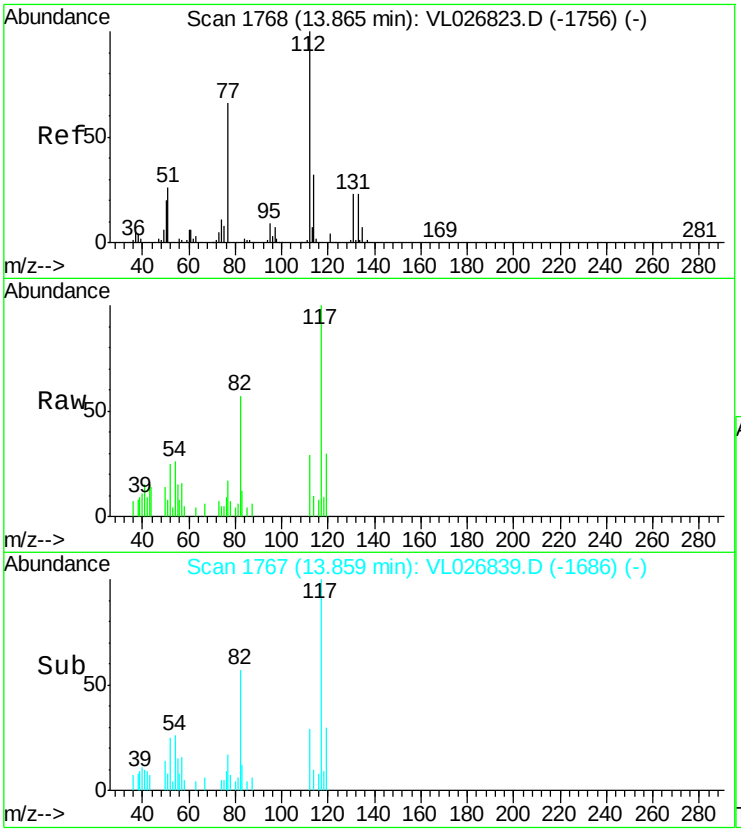


#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:131 Resp: 809

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.4	114.6#
119	0.0	99.8	149.8#



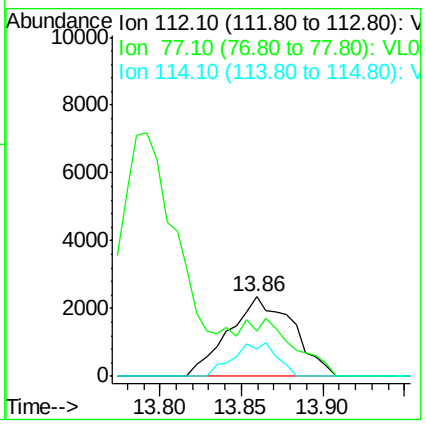


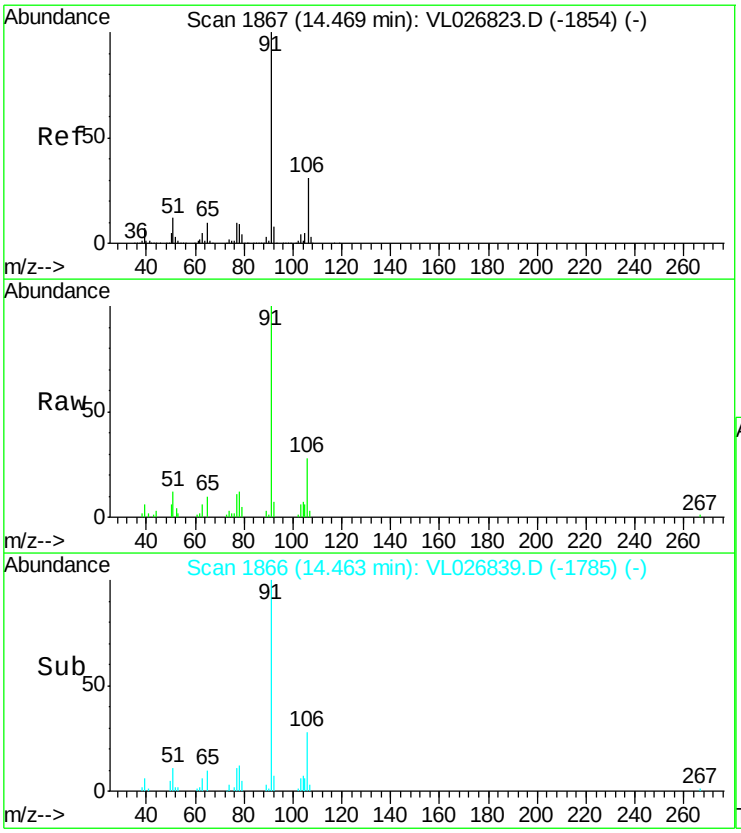
#57
Chlorobenzene
Concen: 0.05 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:112 Resp: 6439

Ion	Ratio	Lower	Upper
112	100		
77	56.5	53.3	79.9
114	33.8	28.9	35.3

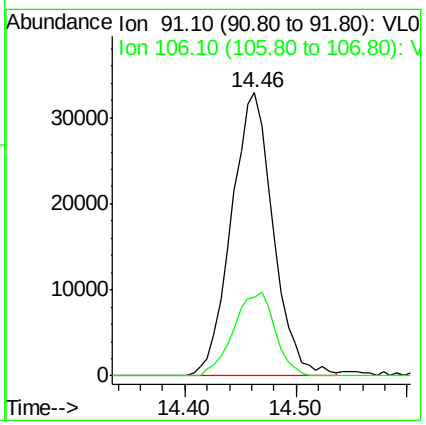


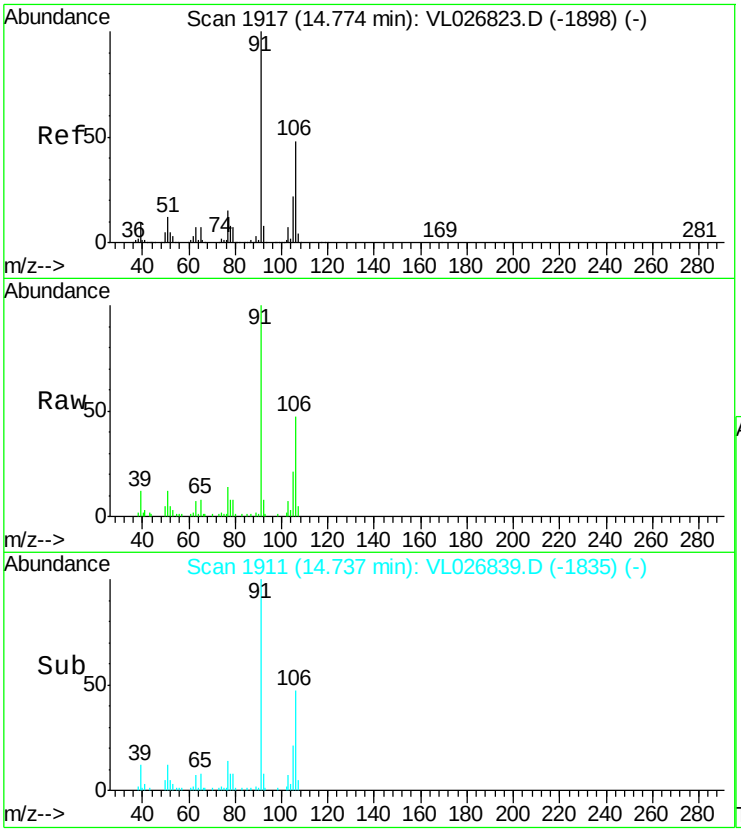


#58
Ethyl Benzene
Concen: 0.43 ppbv
RT: 14.46 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 91 Resp: 85728

Ion	Ratio	Lower	Upper
91	100		
106	27.8	24.9	37.3



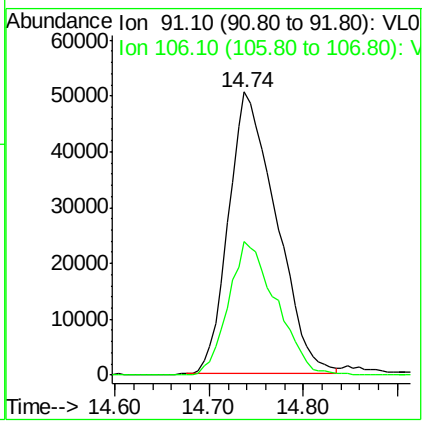


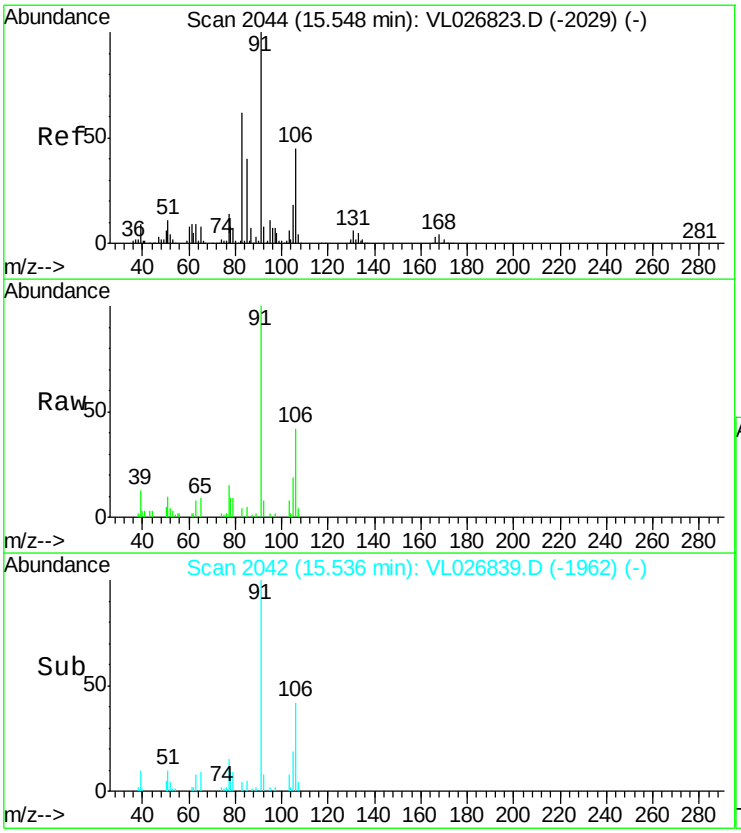
#59
m/p-Xylene
Concen: 1.04 ppbv
RT: 14.74 min Scan# 1911
Delta R.T. -0.04 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 91 Resp: 178152

Ion	Ratio	Lower	Upper
91	100		
106	47.7	38.2	57.2

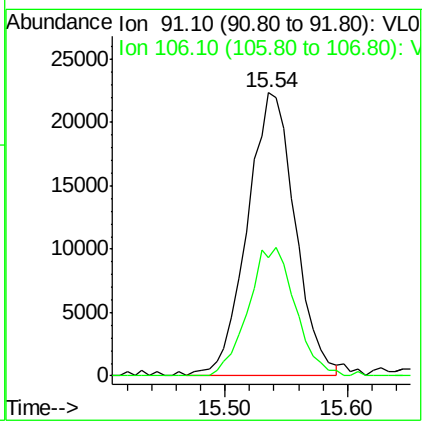


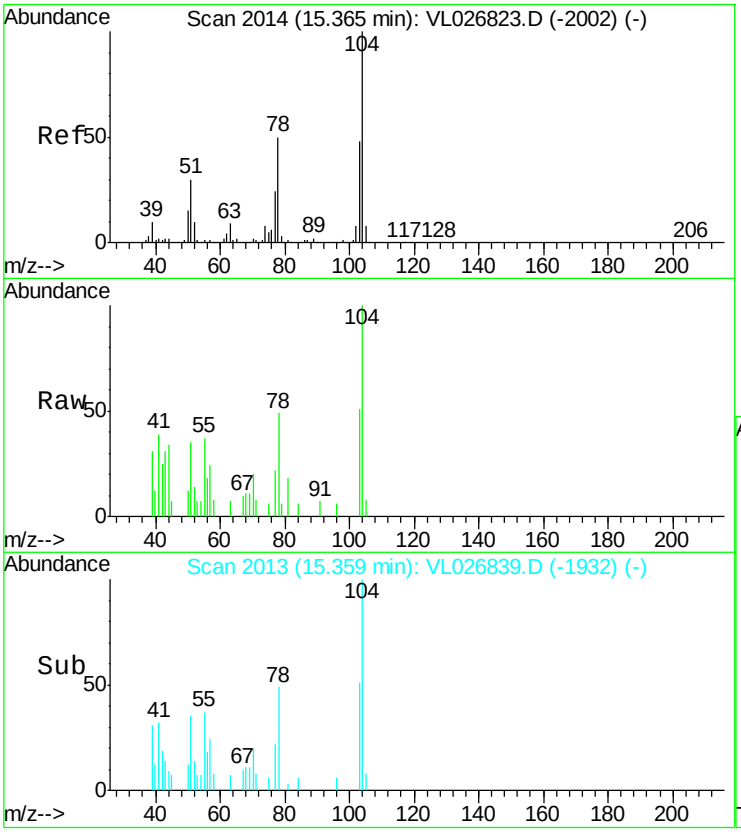


#60
o-Xylene
Concen: 0.32 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 91 Resp: 60676

Ion	Ratio	Lower	Upper
91	100		
106	44.7	22.3	66.8



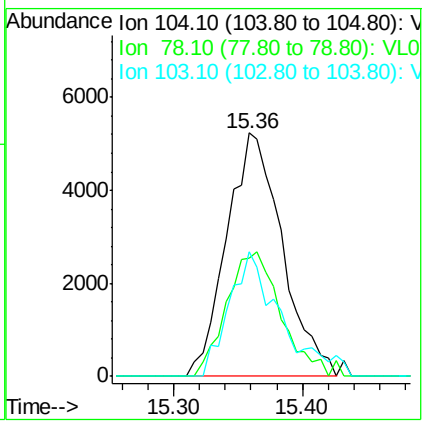


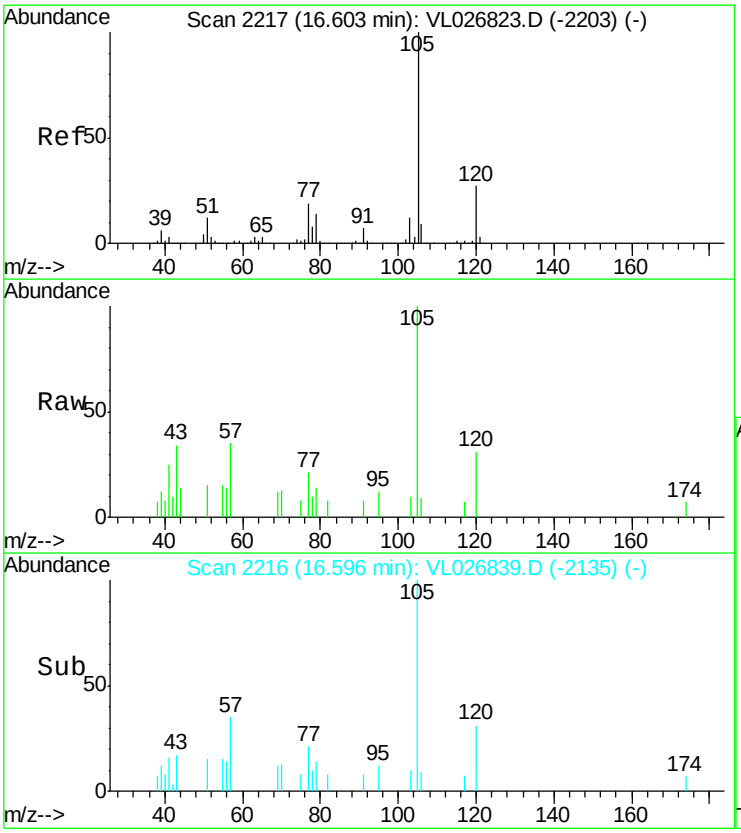
#61
Styrene
Concen: 0.25 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:104 Resp: 15662

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.8	59.6
103	47.6	38.2	57.4

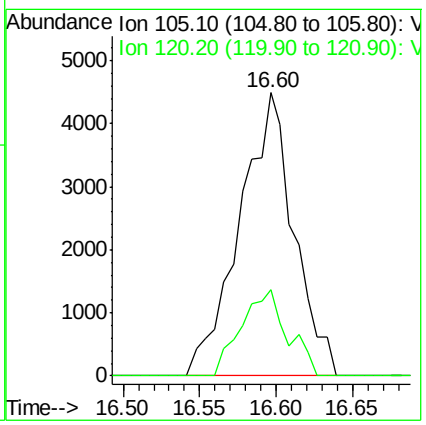


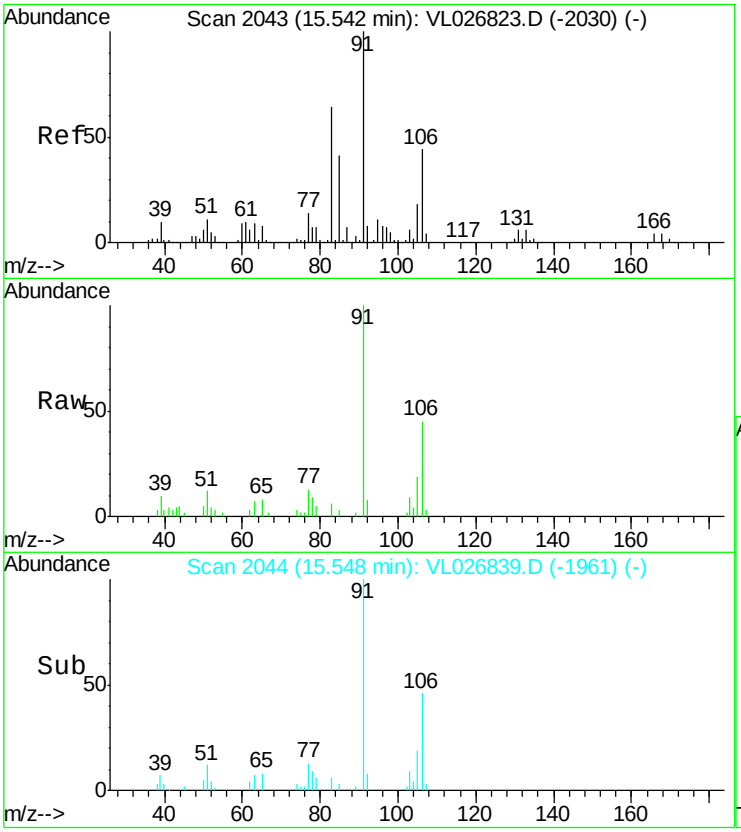


#62
Isopropylbenzene
Concen: 0.05 ppbv
RT: 16.60 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:105 Resp: 11075

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.4



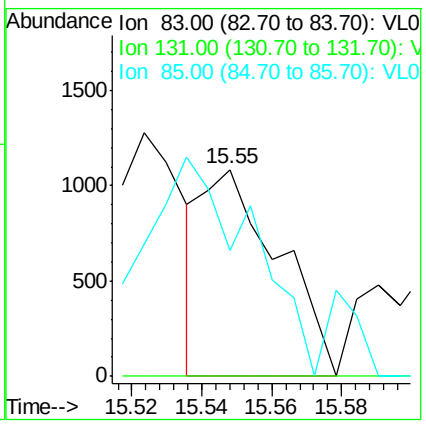


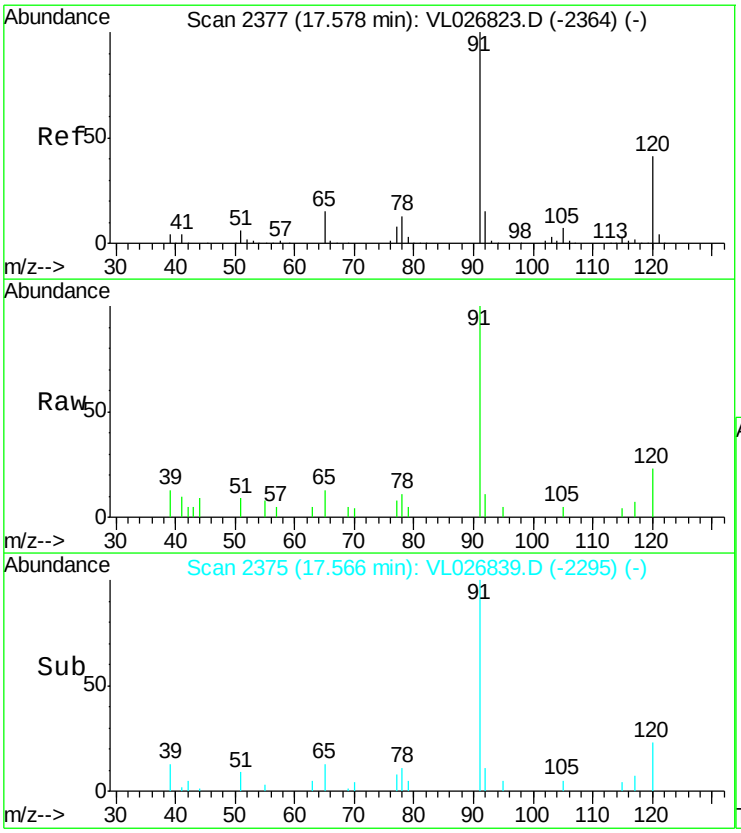
#63
1,1,2,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 15.55 min Scan# 2044
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion: 83 Resp: 1637

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.1#
85	175.0	32.3	96.9#

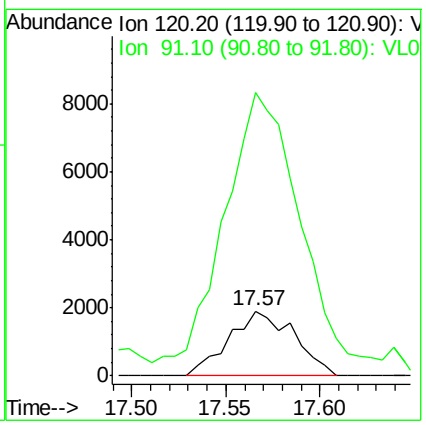


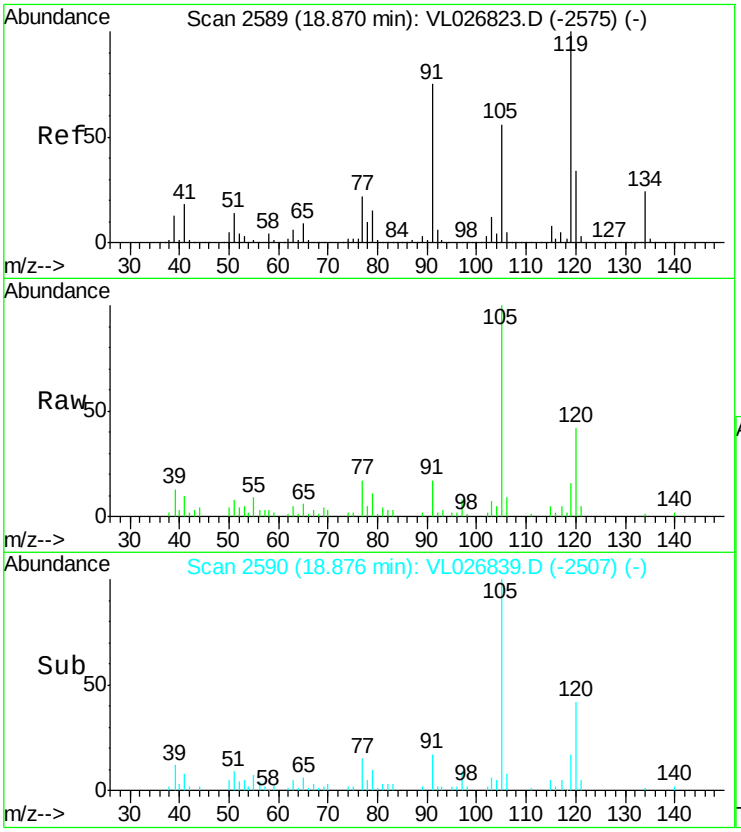


#64
n-propylbenzene
Concen: 0.08 ppbv
RT: 17.57 min Scan# 2375
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:120 Resp: 4557

Ion	Ratio	Lower	Upper
120	100		
91	540.6	363.0	544.6



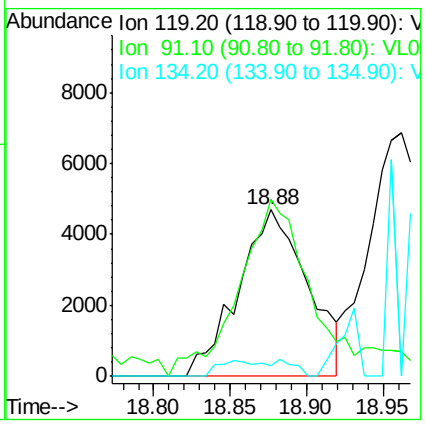


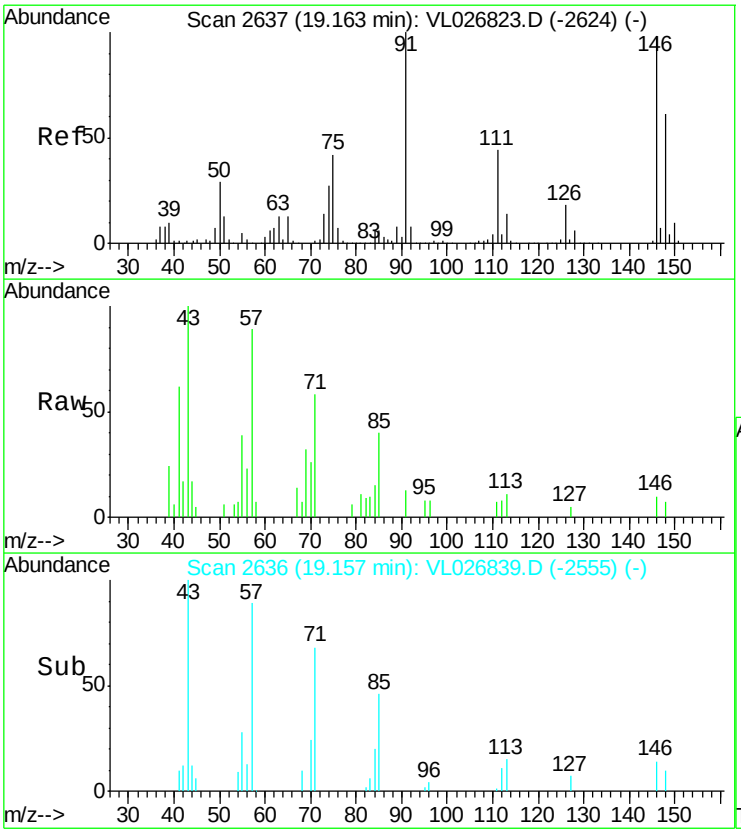
#65
tert-Butylbenzene
Concen: 0.07 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:119 Resp: 14748

Ion	Ratio	Lower	Upper
119	100		
91	132.5	61.5	92.3#
134	9.1	17.9	26.9#

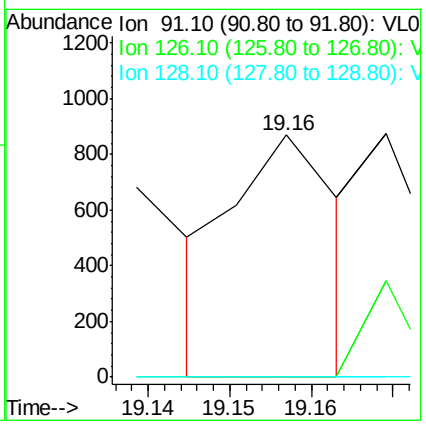


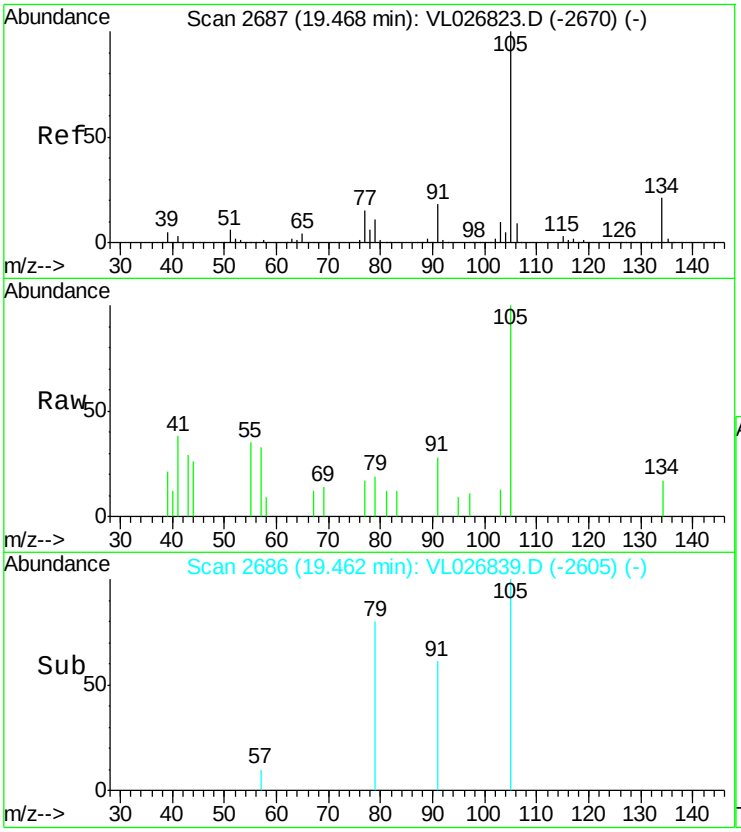


#66
Benzyl Chloride
Concen: 0.01 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 91 Resp: 779

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.6	21.8#
128	0.0	4.6	6.8#



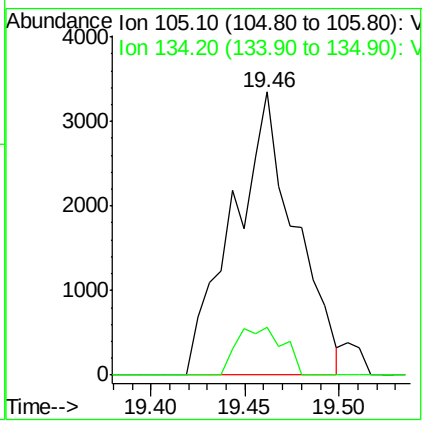


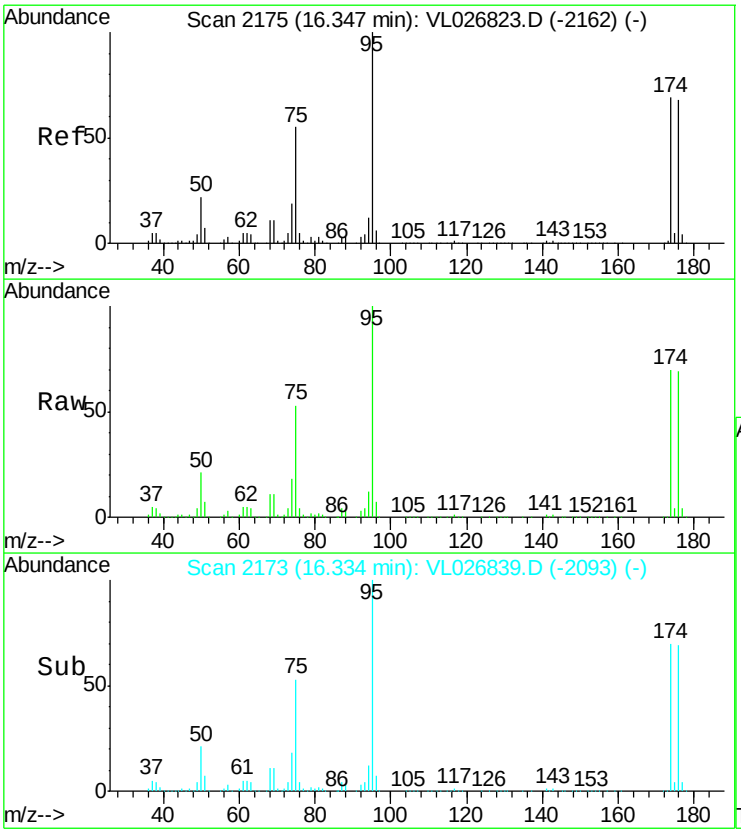
#67
sec-Butylbenzene
Concen: 0.03 ppbv
RT: 19.46 min Scan# 2686
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:105 Resp: 7630

Ion	Ratio	Lower	Upper
105	100		
134	12.7	16.1	24.1#

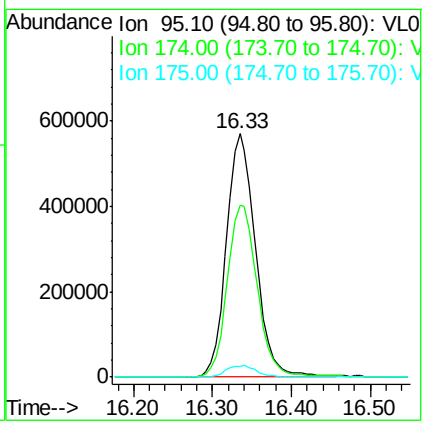


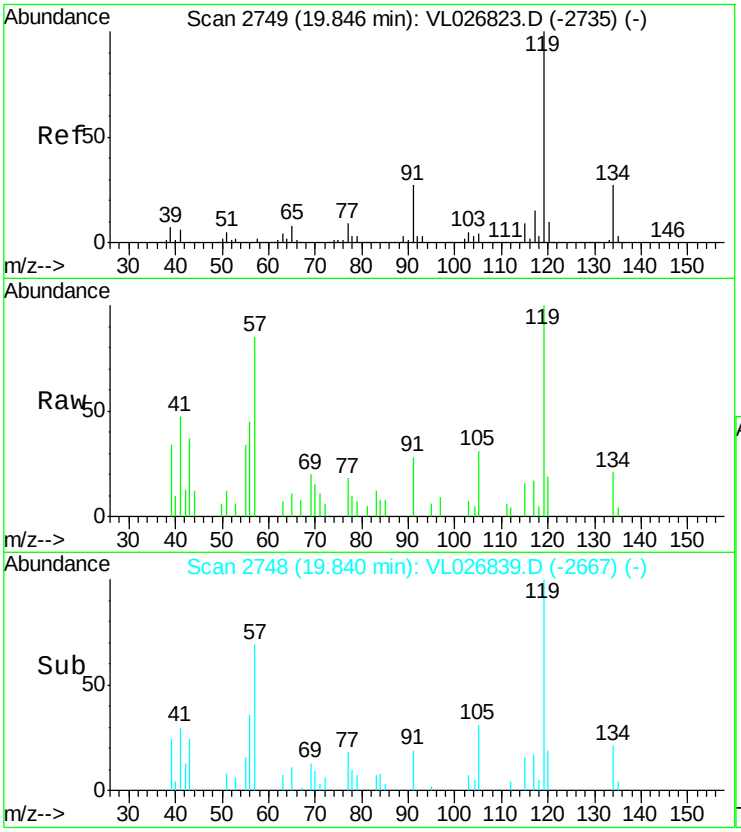


#68
1-Bromo-4-Fluorobenzene
Concen: 12.29 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 95 Resp: 1468466

Ion	Ratio	Lower	Upper
95	100		
174	73.3	55.6	83.4
175	5.0	3.9	5.9



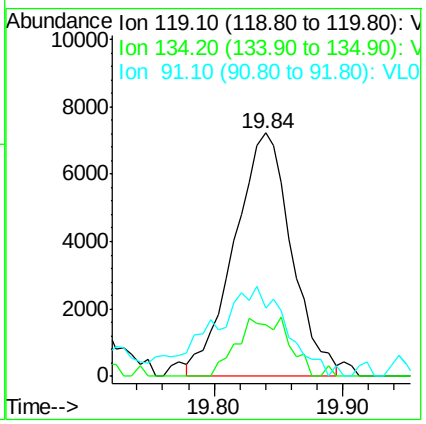


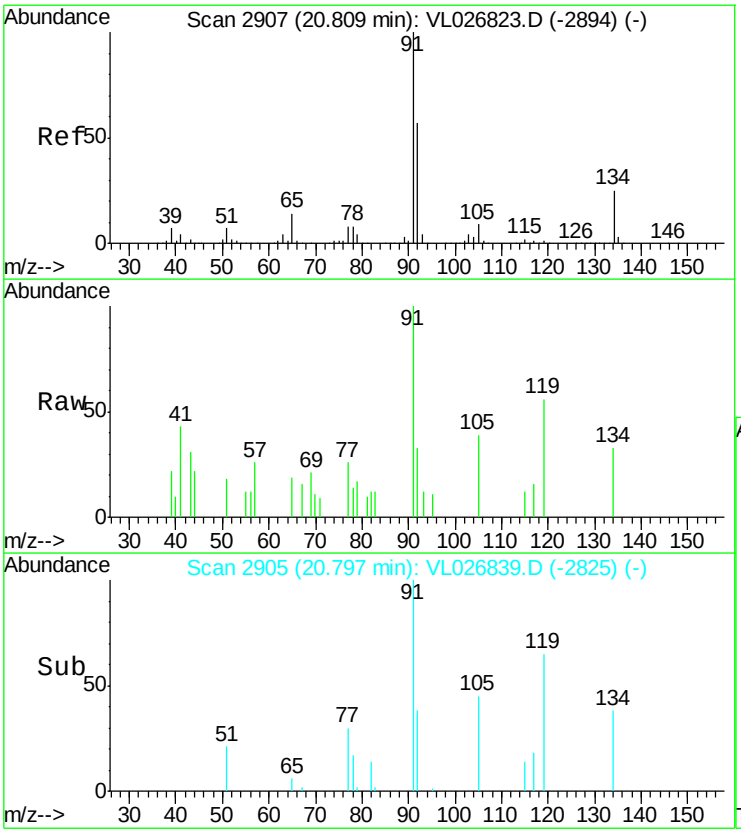
#69
p-Isopropyltoluene
Concen: 0.10 ppbv
RT: 19.84 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:119 Resp: 22266

Ion	Ratio	Lower	Upper
119	100		
134	22.0	21.3	31.9
91	50.1	21.5	32.3#

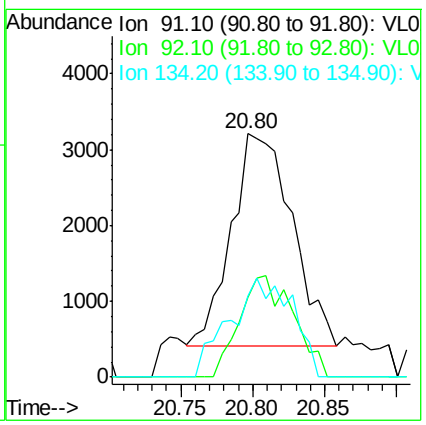


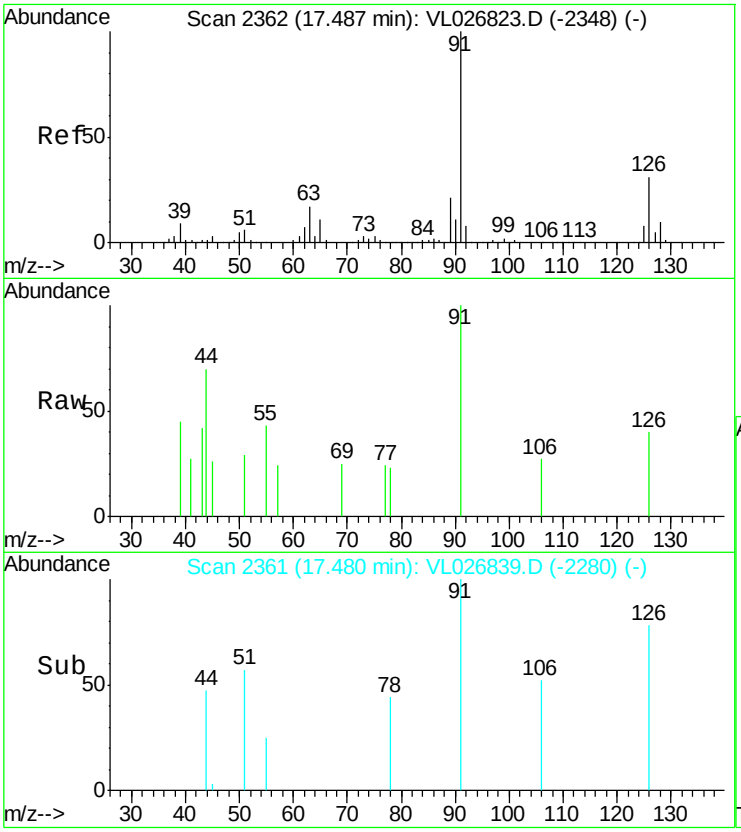


#70
n-Butylbenzene
Concen: 0.04 ppbv
RT: 20.80 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion: 91 Resp: 8223

Ion	Ratio	Lower	Upper
91	100		
92	42.2	44.2	66.4#
134	47.9	19.3	28.9#



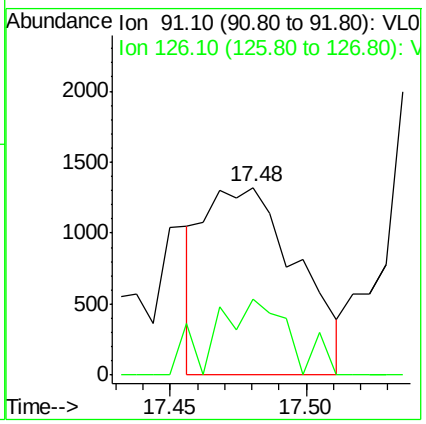


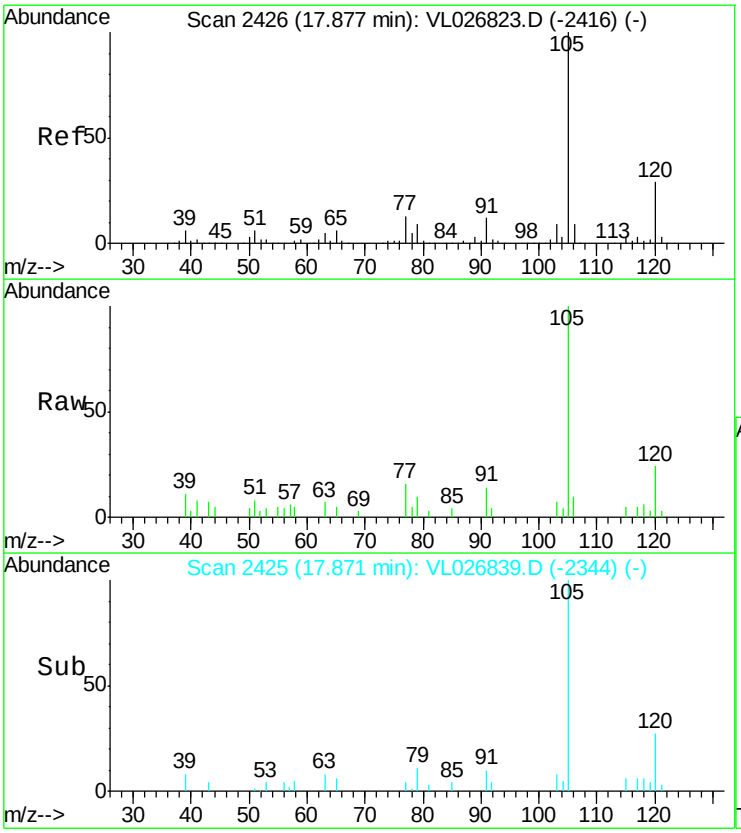
#71
2-Chlorotoluene
Concen: 0.02 ppbv
RT: 17.48 min Scan# 2361
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion: 91 Resp: 3153

Ion	Ratio	Lower	Upper
91	100		
126	33.0	12.2	48.8

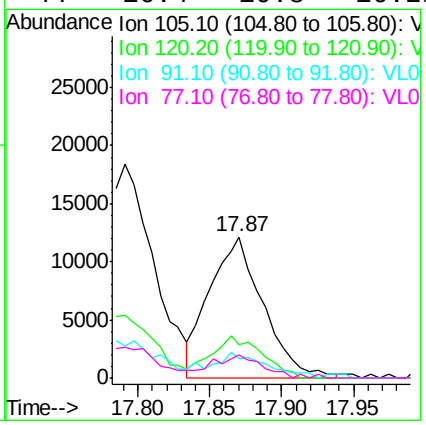


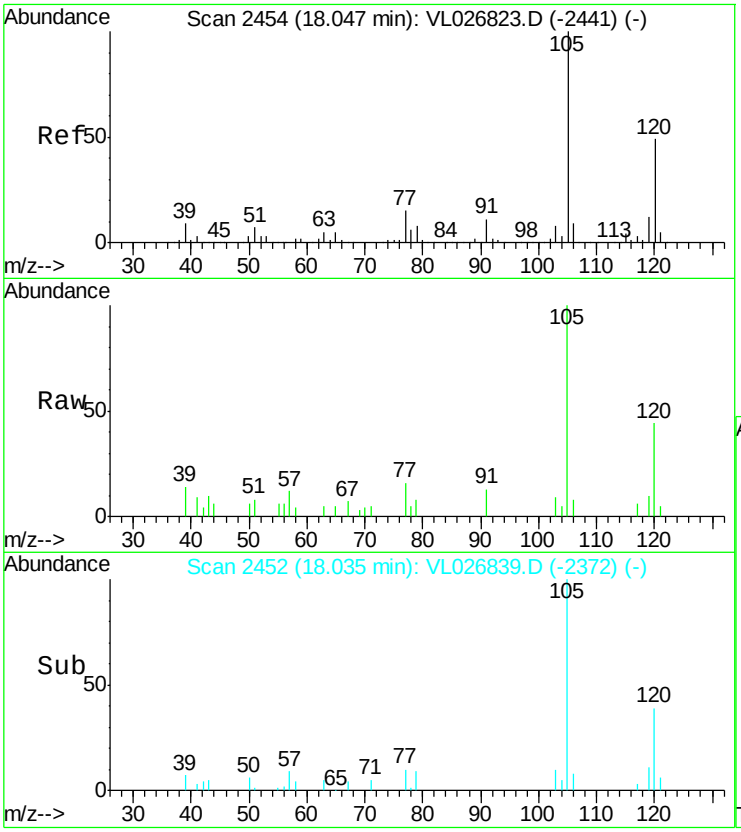


#72
4-Ethyltoluene
Concen: 0.18 ppbv
RT: 17.87 min Scan# 2425
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:105 Resp: 31494

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.8	35.6
91	16.8	10.2	15.4#
77	16.4	10.8	16.2#



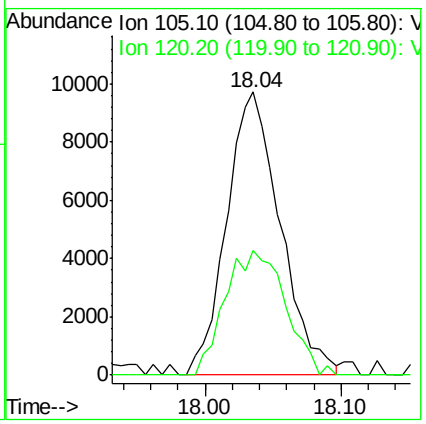


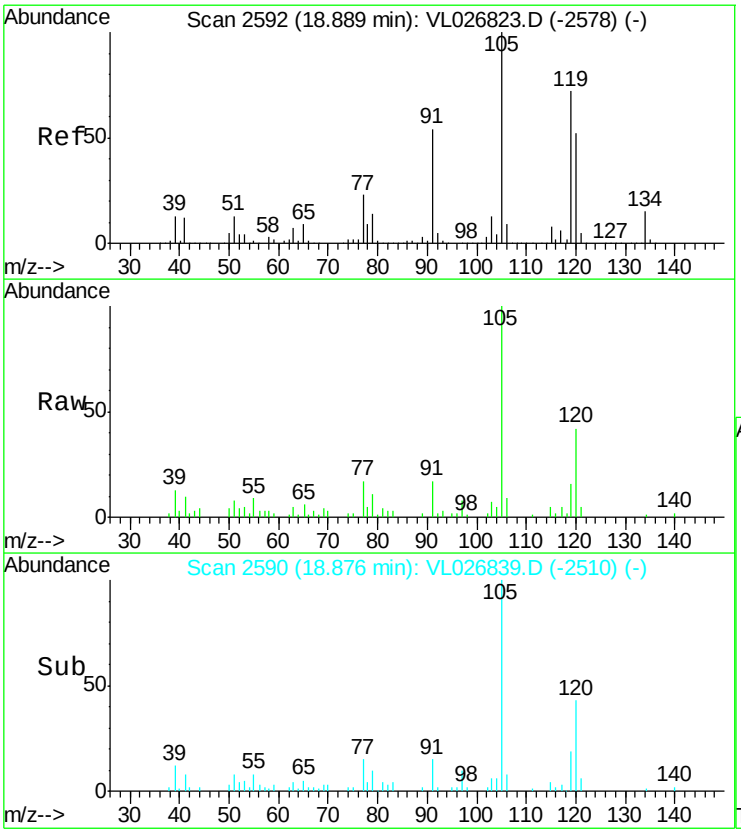
#73
1,3,5-Trimethylbenzene
Concen: 0.16 ppbv
RT: 18.04 min Scan# 2452
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:105 Resp: 26747

Ion	Ratio	Lower	Upper
105	100		
120	44.1	39.4	59.0

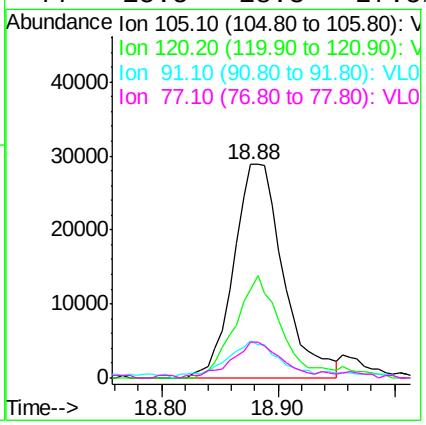


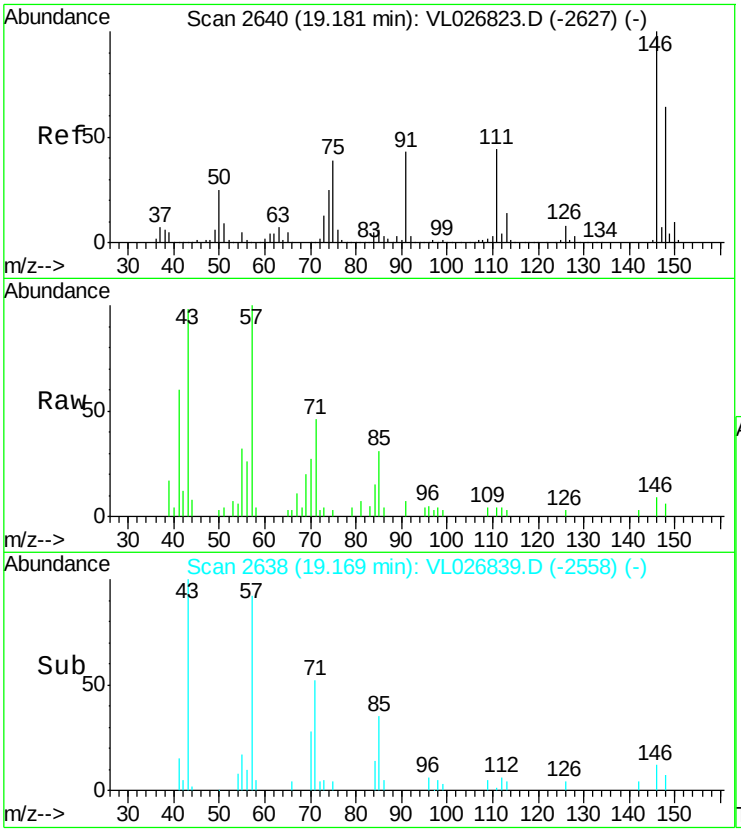


#74
1,2,4-Trimethylbenzene
Concen: 0.45 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:105 Resp: 85677

Ion	Ratio	Lower	Upper
105	100		
120	41.5	41.3	61.9
91	15.5	43.3	64.9#
77	15.5	18.3	27.5#



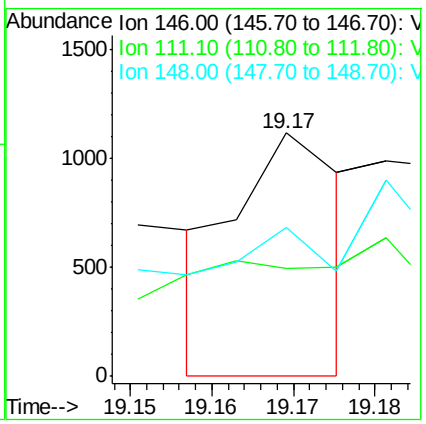


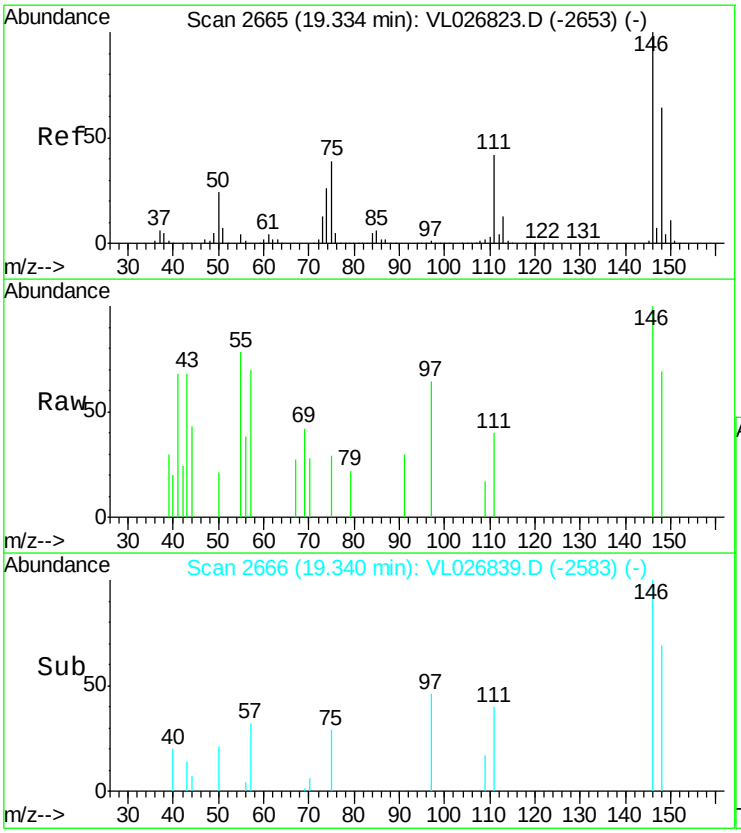
#75
1,3-Dichlorobenzene
Concen: 0.01 ppbv
RT: 19.17 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:146 Resp: 1016

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.1	66.3#
148	0.0	32.2	96.6#

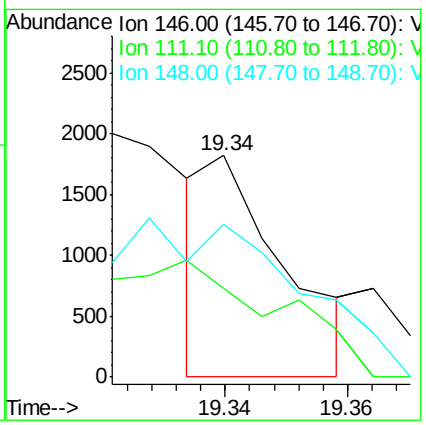


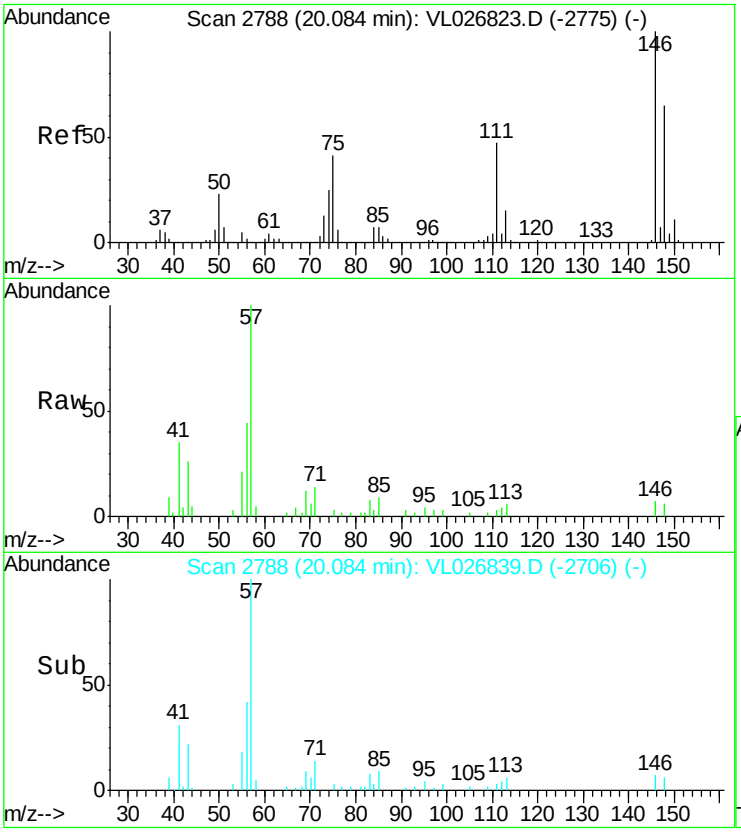


#76
1,4-Dichlorobenzene
Concen: 0.01 ppbv
RT: 19.34 min Scan# 2666
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:146 Resp: 1587

Ion	Ratio	Lower	Upper
146	100		
111	141.1	21.6	64.8#
148	211.8	32.2	96.6#



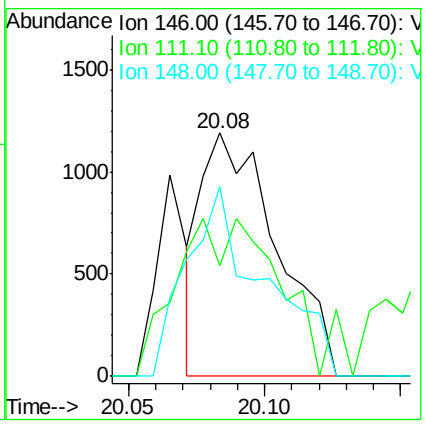


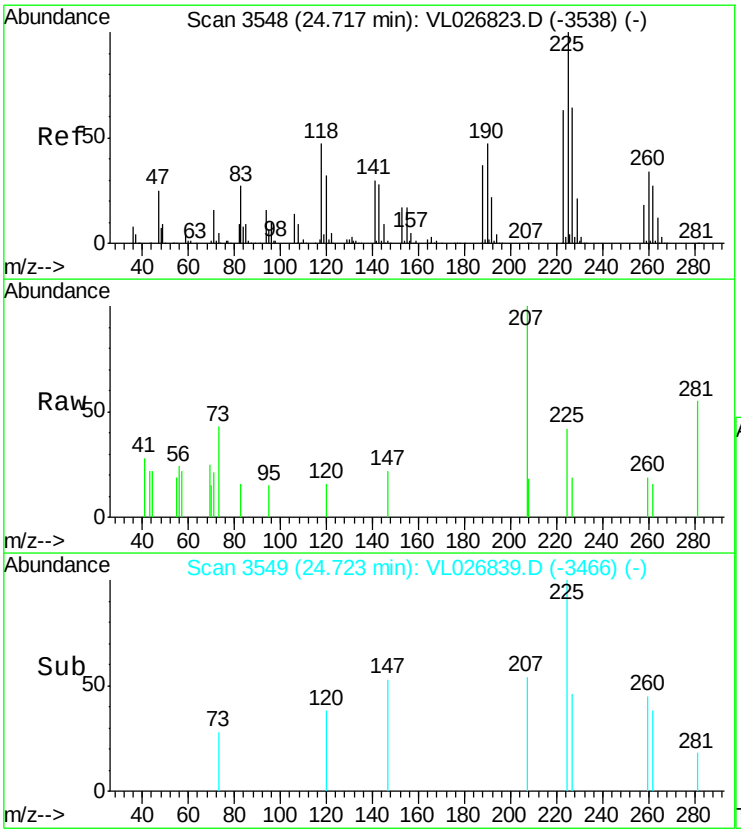
#77
1,2-Dichlorobenzene
Concen: 0.02 ppbv
RT: 20.08 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:146 Resp: 2289

Ion	Ratio	Lower	Upper
146	100		
111	120.9	23.1	69.3#
148	79.8	32.1	96.5

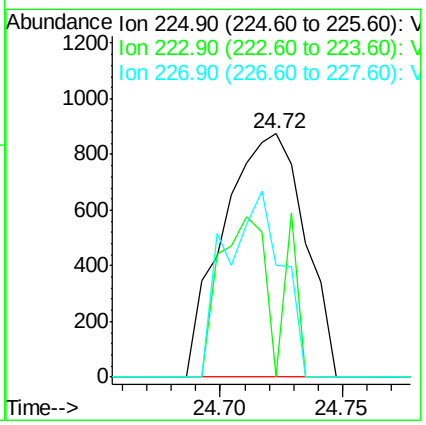


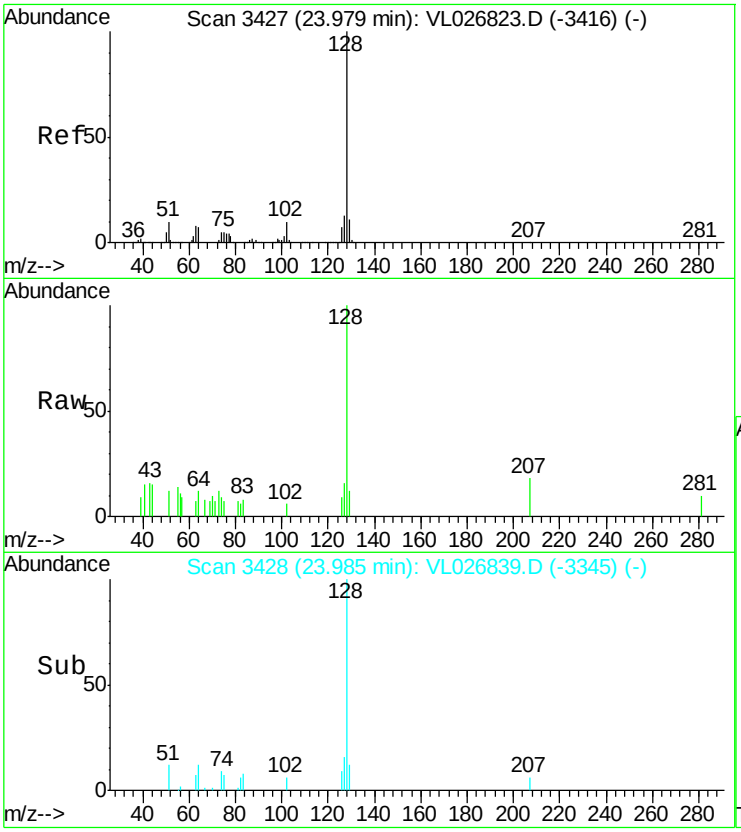


#78
Hexachloro-1,3-Butadiene
Concen: 0.04 ppbv
RT: 24.72 min Scan# 3549
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:225 Resp: 2016

Ion	Ratio	Lower	Upper
225	100		
223	47.3	50.2	75.2#
227	53.3	52.1	78.1



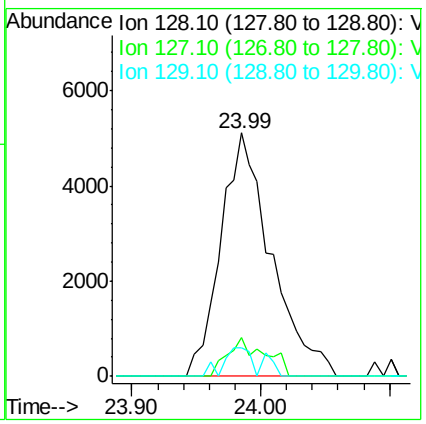


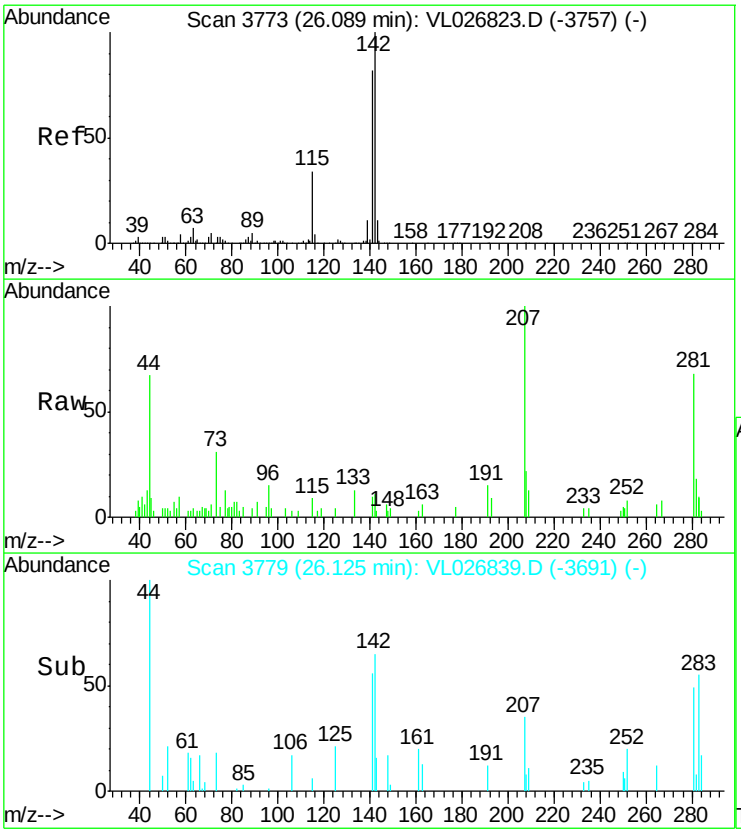
#79
Naphthalene
Concen: 0.15 ppbv
RT: 23.99 min Scan# 3428
Delta R.T. 0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument : MSVOA_L
ClientSampleId : IAS-1DUP

Tgt Ion:128 Resp: 13933

Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.0	15.0#
129	11.8	8.7	13.1

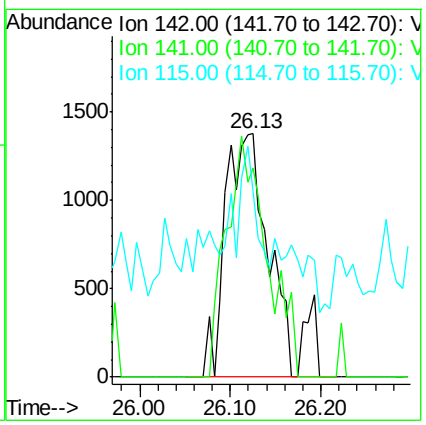


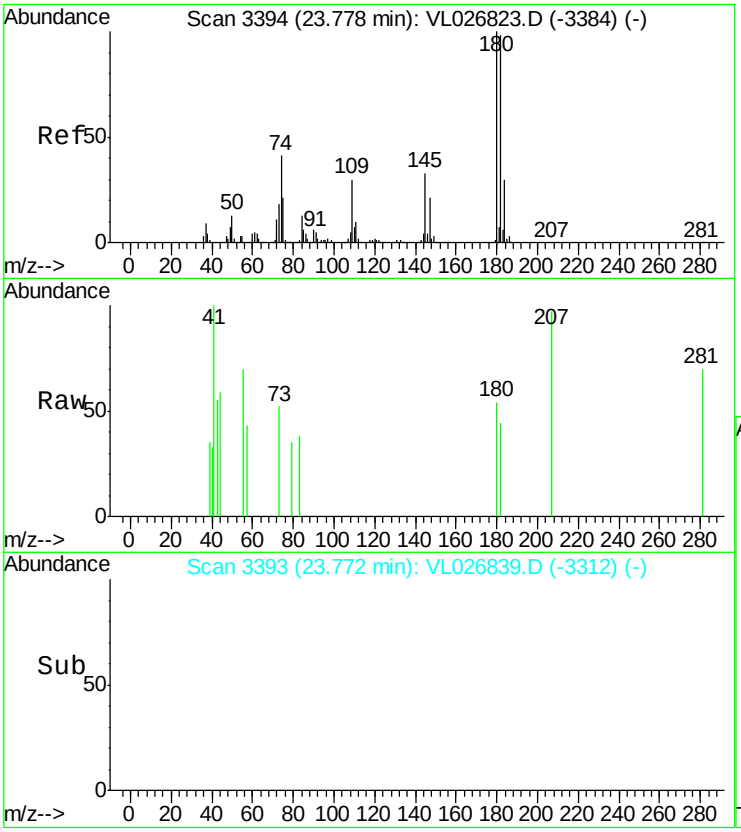


#80
Naphthalene,2-methyl-
Concen: 0.13 ppbv
RT: 26.13 min Scan# 3779
Delta R.T. 0.04 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Tgt Ion:142 Resp: 4865

Ion	Ratio	Lower	Upper
142	100		
141	87.8	67.2	100.8
115	54.5	27.5	41.3#





#81
1,2,4-Trichlorobenzene
Concen: 0.01 ppbv
RT: 23.77 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL026839.D
Acq: 10 Feb 2016 4:13

Instrument :
MSVOA_L
ClientSampleId :
IAS-1DUP

Tgt Ion:180 Resp: 330

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.3	115.9#
184	0.0	24.5	36.7#