Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026838.D
Acq On : 10 Feb 2016 3:32
Operator : SY/AP
Sample : H1388-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-1

Quant Time: Feb 10 06:06:37 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	1403883	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.37	114	3902904	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.79	117	1776074	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	1670253	13.10	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 131.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	134863	0.44	ppbv		94
3) Chlorodifluoromethane	3.59	51	1270625	5.58	ppbv	#	83
4) Chloromethane	3.78	50	57259	0.64	ppbv		98
5) Vinyl Chloride	3.92	62	696	0.01	ppbv		96
6) Bromomethane	4.17	94	2732	0.03	ppbv		97
7) Chloroethane	4.27	64	2342	0.05	ppbv		90
8) Dichlorotetrafluoroethane	3.83	85	10156	0.04	ppbv		92
9) Propene	3.64	41	162815	2.65	ppbv	#	73
10) Heptane	9.39	43	58006	0.29	ppbv		100
11) Trichlorofluoromethane	4.73	101	146405	0.41	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	5.34	101	37589	0.15	ppbv		100
13) Ethanol	4.35	45	2312591	218.53	ppbv		99
14) Bromoethene	4.49	108	1202	0.01	ppbv	#	91
15) Acetone	4.62	43	17309039	89.74	ppbv	#	66
16) 1,3-Butadiene	3.98	39	24584	0.33	ppbv	#	43
17) tert-Butyl alcohol	5.17	59	25503	0.20	ppbv	#	73
18) 1,1-Dichloroethene	5.12	96	1722	0.02	ppbv	#	42
19) Isopropyl Alcohol	4.78	45	3226343	46.89	ppbv	#	92
20) Methylene Chloride	5.19	84	59089	0.59	ppbv		97
21) Allyl Chloride	5.20	41	4105	0.03	ppbv	#	1
22) trans-1,2-Dichloroethene	5.80	96	2067	0.02	ppbv		92
23) Vinyl Acetate	6.04	43	162748	0.62	ppbv	#	56
24) 1,1-Dichloroethane	5.95	63	4120	0.02	ppbv	#	85
25) Ethyl Acetate	6.71	43	564084	1.95	ppbv	#	93
26) Hexane	6.70	57	95537	0.59	ppbv	#	1
27) Carbon Disulfide	5.42	76	33915	0.12	ppbv	#	79
28) Methyl tert-Butyl Ether	5.99	73	6275	0.02	ppbv	#	1
29) Chloroform	6.79	83	31724	0.12	ppbv		98
30) Cyclohexane	8.32	84	40757	0.31	ppbv	#	1
31) cis-1,2-Dichloroethene	6.56	61	2974	0.02	ppbv	#	87
32) 1,1,1-Trichloroethane	7.63	97	4572	0.02	ppbv		96
34) 2-Butanone	6.24	43	102772	0.54	ppbv		99
35) Carbon Tetrachloride	8.21	117	27714	0.10	ppbv		97
36) Benzene	8.07	78	183811	0.59	ppbv		96
37) 1,2-Dichloroethane	7.42	62	8092	0.04	ppbv	#	90
38) Trichloroethene	9.10	130	6554	0.05	ppbv	#	88
41) Tetrahydrofuran	7.16	42	922	0.01	ppbv	#	1
42) Bromodichloromethane	9.07	83	5532	0.02	ppbv	#	93
43) Methyl Methacrylate	9.31	69	66387	0.61	ppbv		96
44) 2,2,4-Trimethylpentane	9.13	57	44767	0.08	ppbv	#	52
45) t-1,3-Dichloropropene	10.70	75	1006	0.01	ppbv	#	43

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026838.D
Acq On : 10 Feb 2016 3:32
Operator : SY/AP
Sample : H1388-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-1

Quant Time: Feb 10 06:06:37 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	10.07	75	1013	0.01 ppbv #	54
47) 1,1,2-Trichloroethane	10.92	97	1884	0.01 ppbv #	86
48) Dibromochloromethane	11.85	129	2241	0.01 ppbv	89
49) Bromoform	14.86	173	9248	0.06 ppbv	96
50) 4-Methyl-2-Pentanone	10.14	43	18055	0.08 ppbv	94
51) 2-Hexanone	11.68	43	7910	0.04 ppbv #	98
52) Tetrachloroethene	12.84	164	110019	0.90 ppbv	95
53) Toluene	11.28	91	1316261	3.78 ppbv	99
54) 1,2-Dibromoethane	12.18	107	2575	0.01 ppbv	93
56) 1,1,1,2-Tetrachloroethane	13.83	131	766	0.01 ppbv #	1
57) Chlorobenzene	13.86	112	6356	0.04 ppbv #	94
58) Ethyl Benzene	14.46	91	73443	0.34 ppbv	96
59) m/p-Xylene	14.74	91	163225	0.89 ppbv	99
60) o-Xylene	15.54	91	54630	0.27 ppbv	97
61) Styrene	15.36	104	15139	0.22 ppbv	94
62) Isopropylbenzene	16.59	105	9997	0.04 ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.53	83	3888	0.03 ppbv #	94
64) n-propylbenzene	17.57	120	4064	0.07 ppbv	69
65) tert-Butylbenzene	18.86	119	6085	0.03 ppbv #	25
66) Benzyl Chloride	19.17	91	2285	0.03 ppbv #	65
67) sec-Butylbenzene	19.46	105	6902	0.02 ppbv #	86
69) p-Isopropyltoluene	19.83	119	20956	0.09 ppbv #	73
70) n-Butylbenzene	20.81	91	7207	0.03 ppbv #	69
71) 2-Chlorotoluene	17.48	91	2639	0.02 ppbv	94
72) 4-Ethyltoluene	17.87	105	26109	0.14 ppbv #	89
73) 1,3,5-Trimethylbenzene	18.04	105	25330	0.14 ppbv	97
74) 1,2,4-Trimethylbenzene	18.88	105	78712	0.39 ppbv #	72
75) 1,3-Dichlorobenzene	19.18	146	2545	0.02 ppbv #	71
76) 1,4-Dichlorobenzene	19.33	146	5779	0.05 ppbv	95
77) 1,2-Dichlorobenzene	20.07	146	1516	0.01 ppbv #	23
78) Hexachloro-1,3-Butadiene	24.72	225	2581	0.05 ppbv	91
79) Naphthalene	23.99	128	15499	0.16 ppbv	97
80) Naphthalene,2-methyl-	26.10	142	7007	0.18 ppbv #	79
81) 1,2,4-Trichlorobenzene	23.78	180	1771	0.03 ppbv #	12

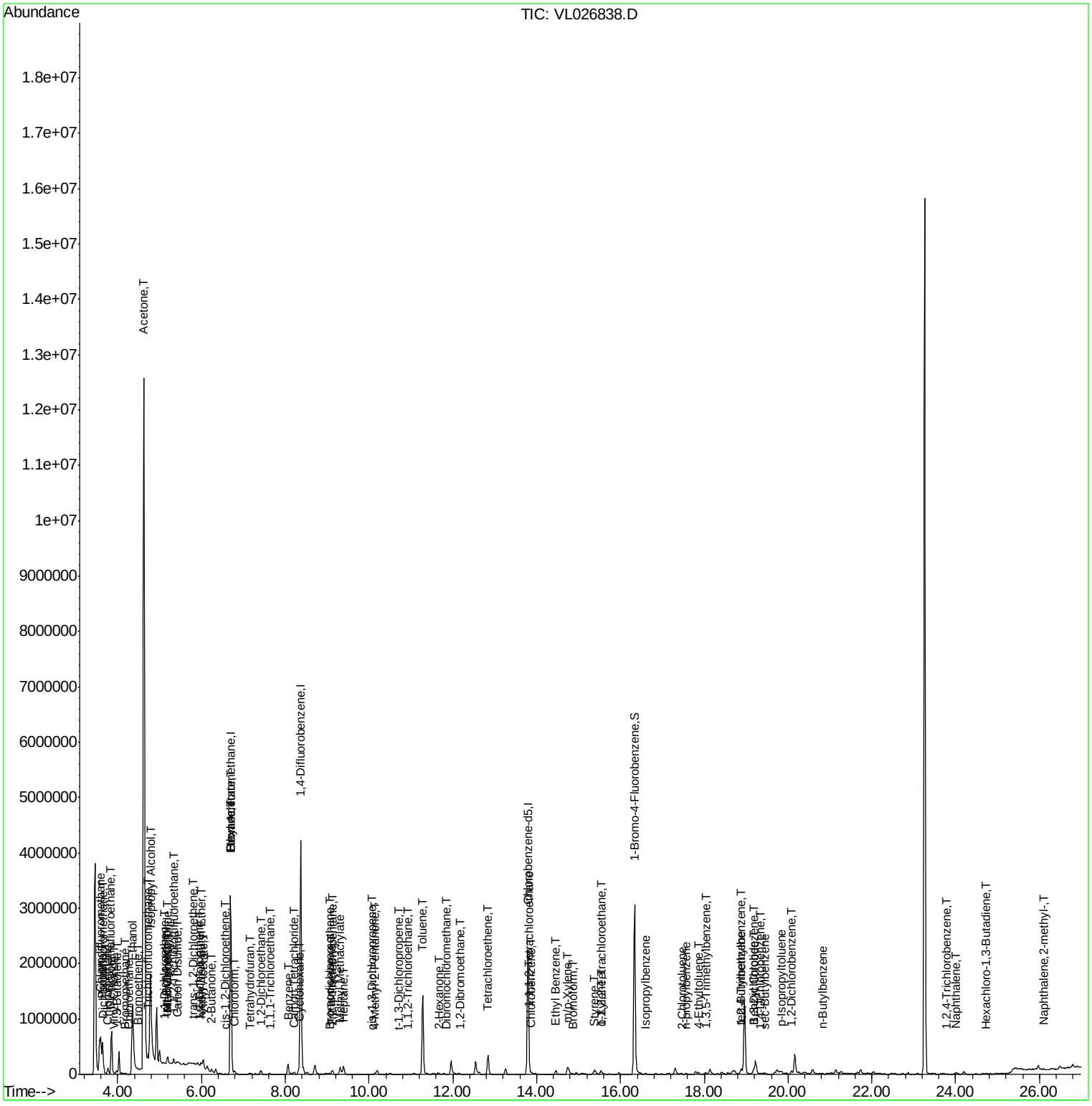
(#) = qualifier out of range (m) = manual integration (+) = signals summed

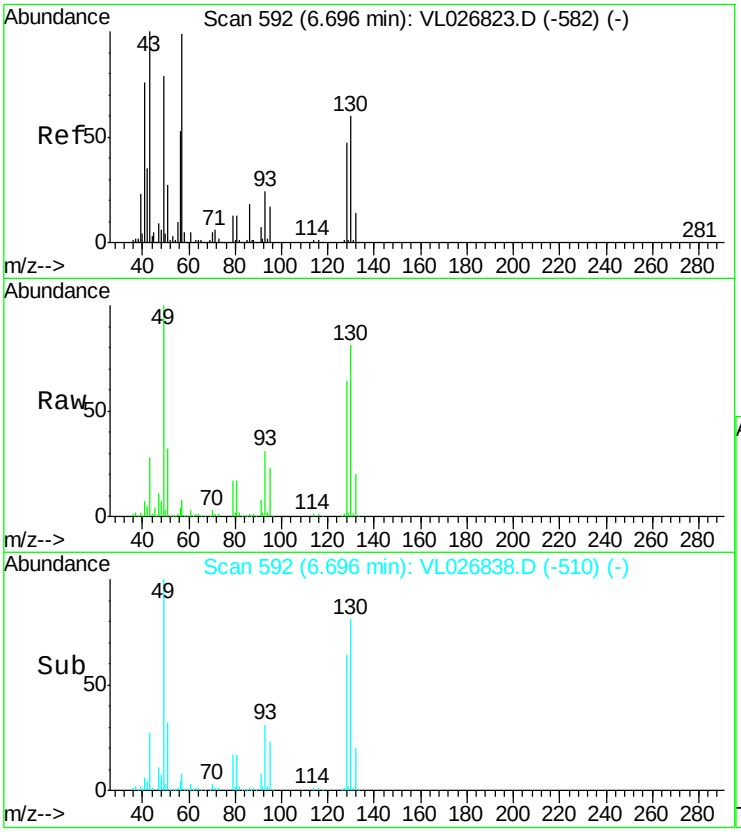
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026838.D
Acq On : 10 Feb 2016 3:32
Operator : SY/AP
Sample : H1388-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-1

Quant Time: Feb 10 06:06:37 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



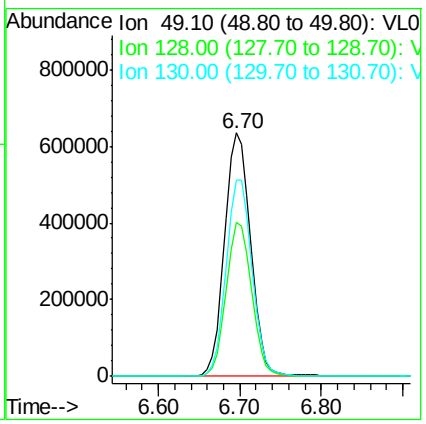


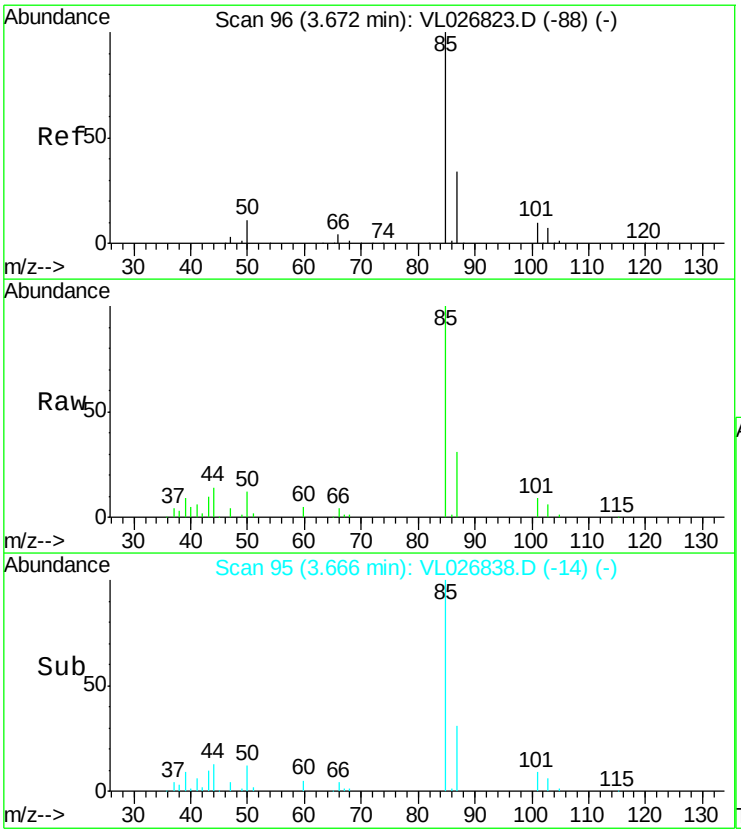
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion: 49 Resp: 1403883

Ion	Ratio	Lower	Upper
49	100		
128	62.2	29.7	89.1
130	80.3	38.3	114.8

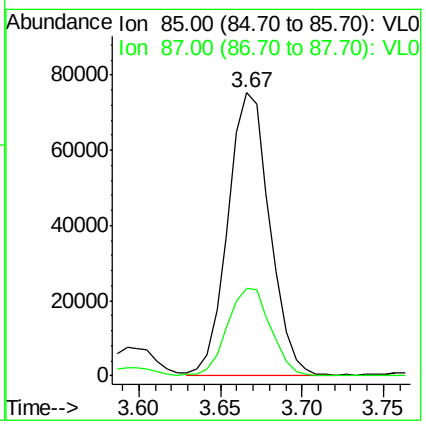


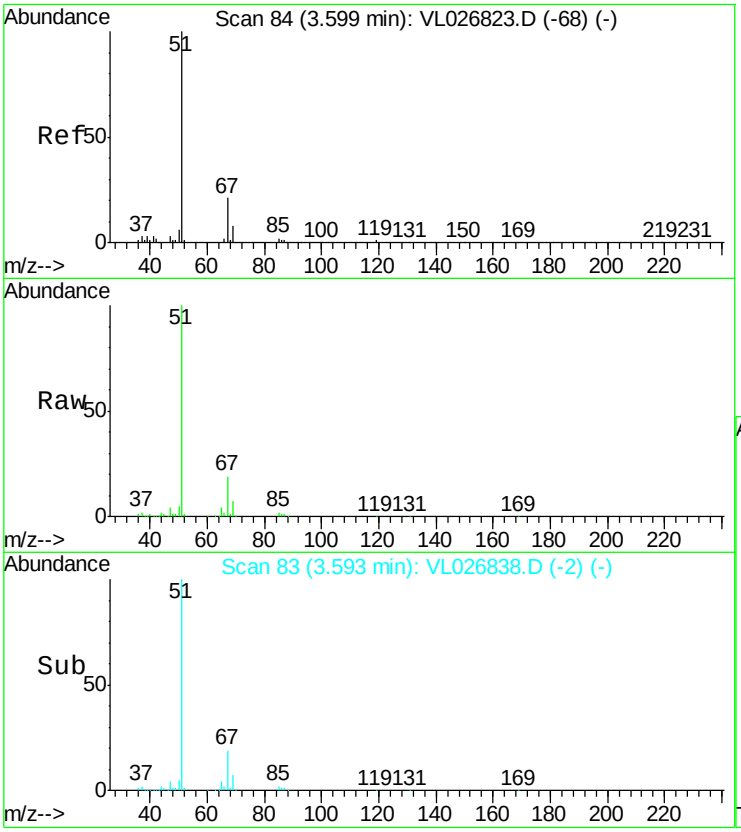


#2
Dichlorodifluoromethane
Concen: 0.44 ppbv
RT: 3.67 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 85 Resp: 134863

Ion	Ratio	Lower	Upper
85	100		
87	30.8	27.3	40.9



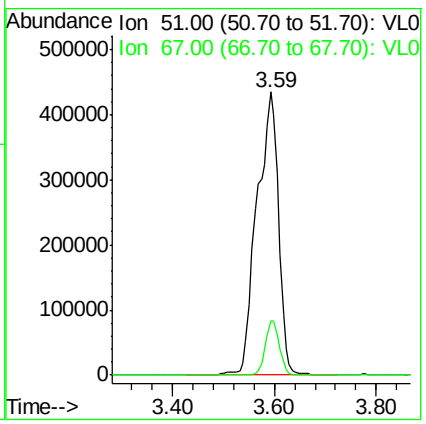


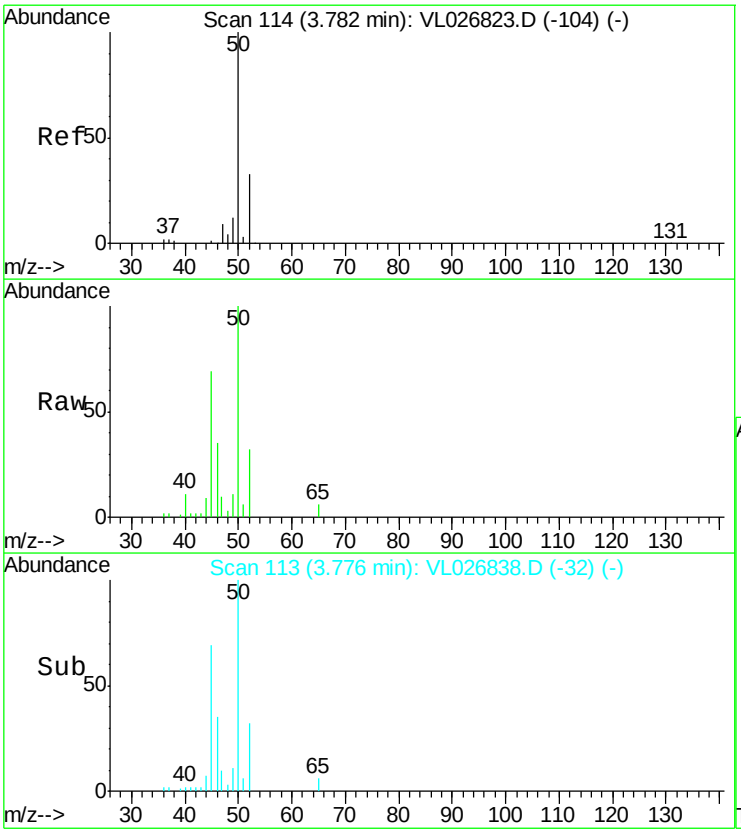
#3
Chlorodifluoromethane
Concen: 5.58 ppbv
RT: 3.59 min Scan# 83
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 51 Resp: 1270625

Ion	Ratio	Lower	Upper
51	100		
67	12.6	16.4	24.6#

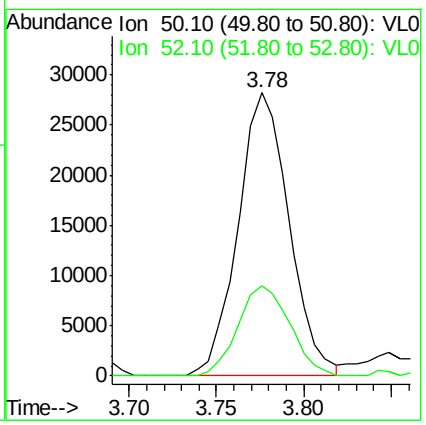


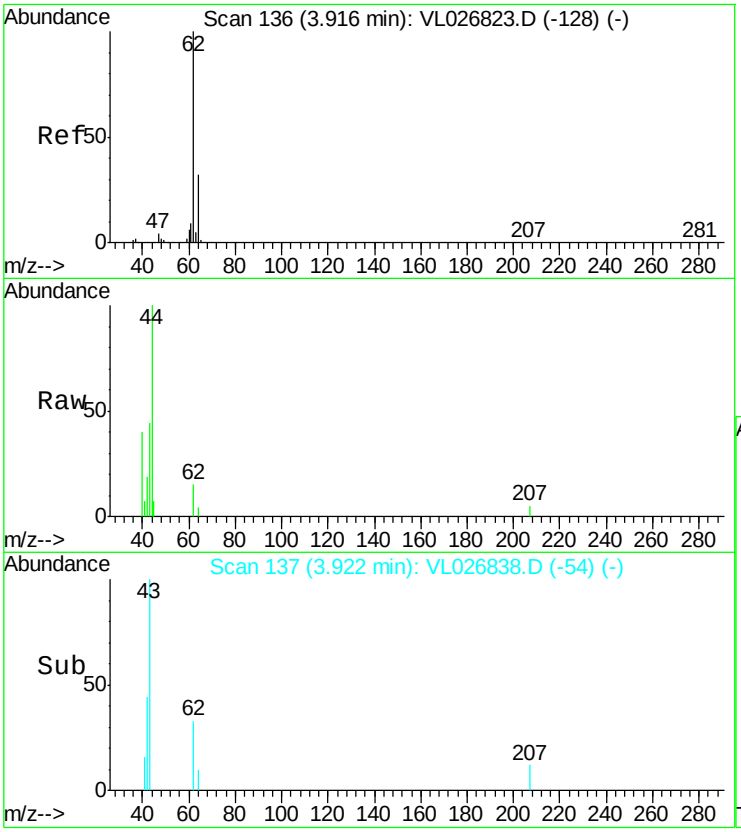


#4
Chloromethane
Concen: 0.64 ppbv
RT: 3.78 min Scan# 113
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 50 Resp: 57259

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.3	39.5



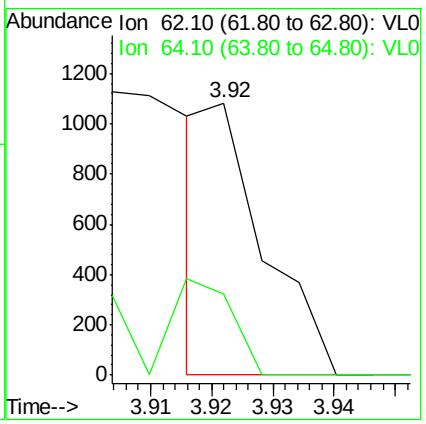


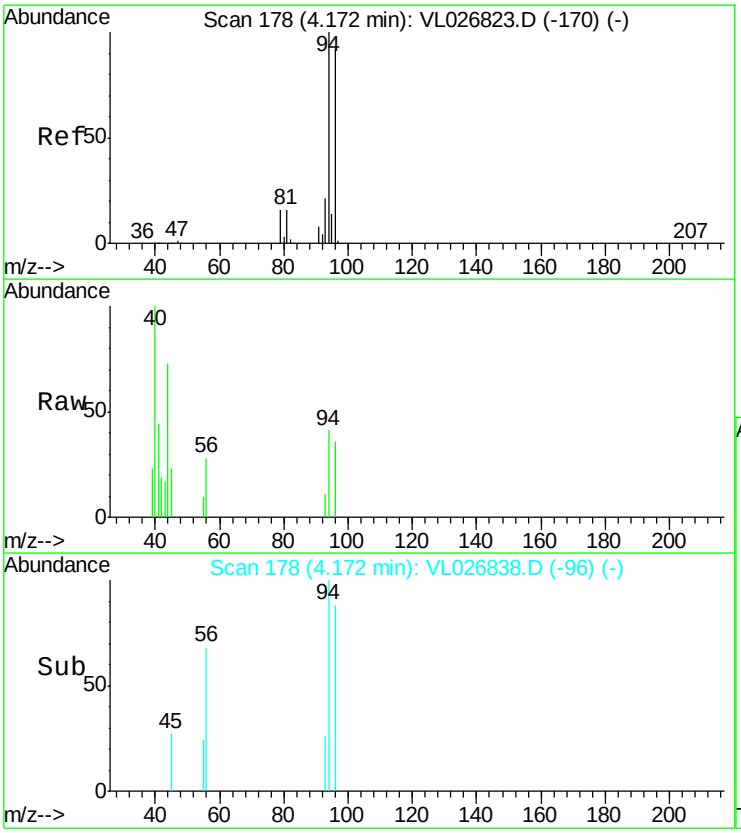
#5
Vinyl Chloride
Concen: 0.01 ppbv
RT: 3.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 62 Resp: 696

Ion	Ratio	Lower	Upper
62	100		
64	29.8	25.8	38.6

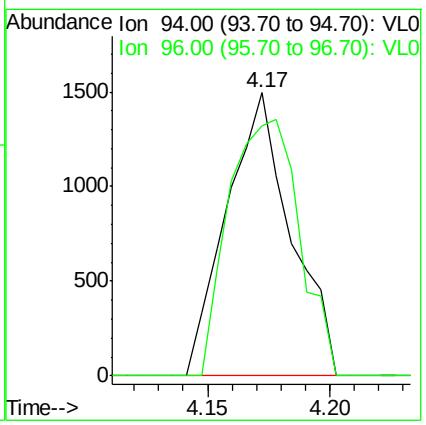


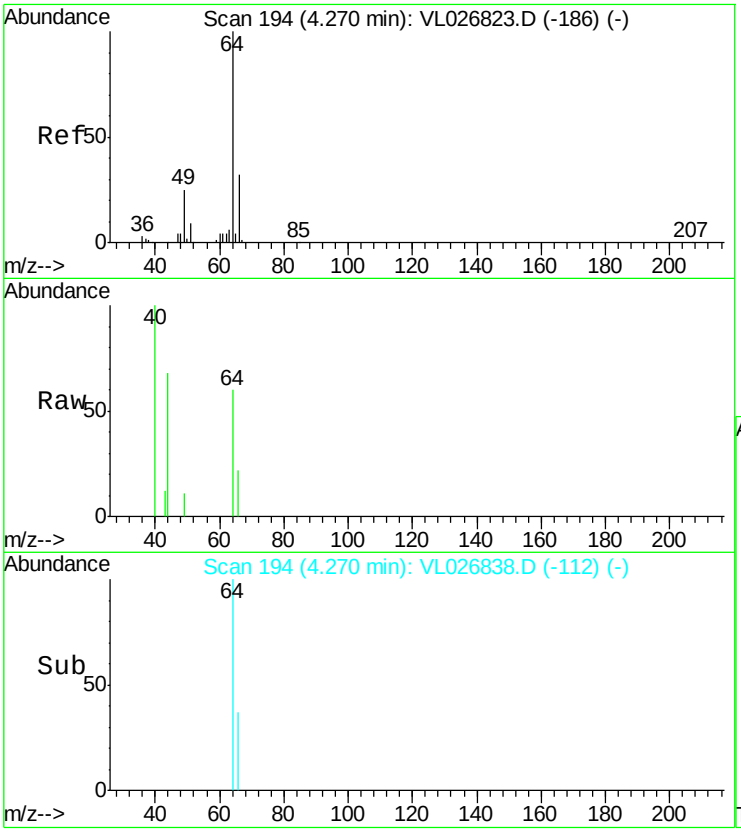


#6
Bromomethane
Concen: 0.03 ppbv
RT: 4.17 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 94 Resp: 2732

Ion	Ratio	Lower	Upper
94	100		
96	88.2	73.2	109.8



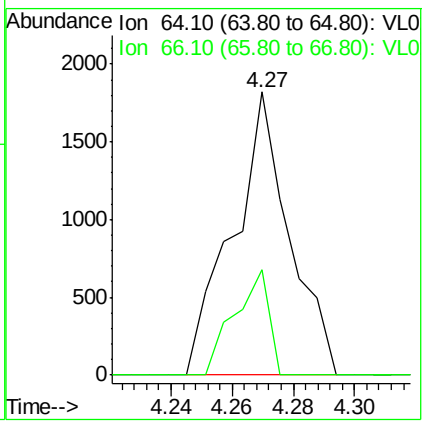


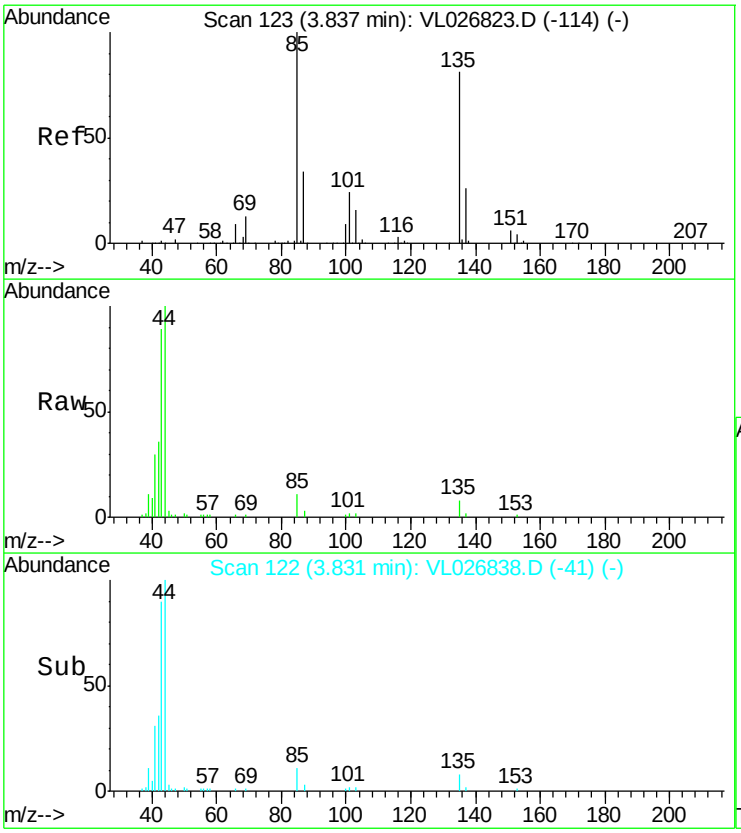
#7
Chloroethane
Concen: 0.05 ppbv
RT: 4.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion: 64 Resp: 2342

Ion	Ratio	Lower	Upper
64	100		
66	37.4	25.4	38.0

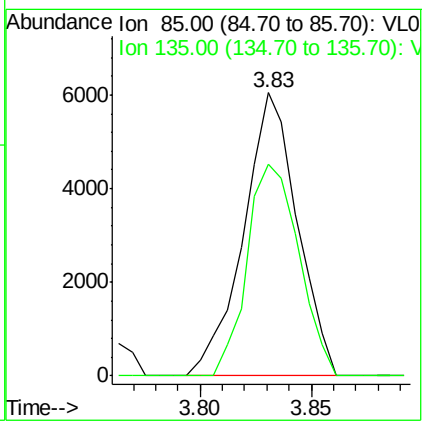


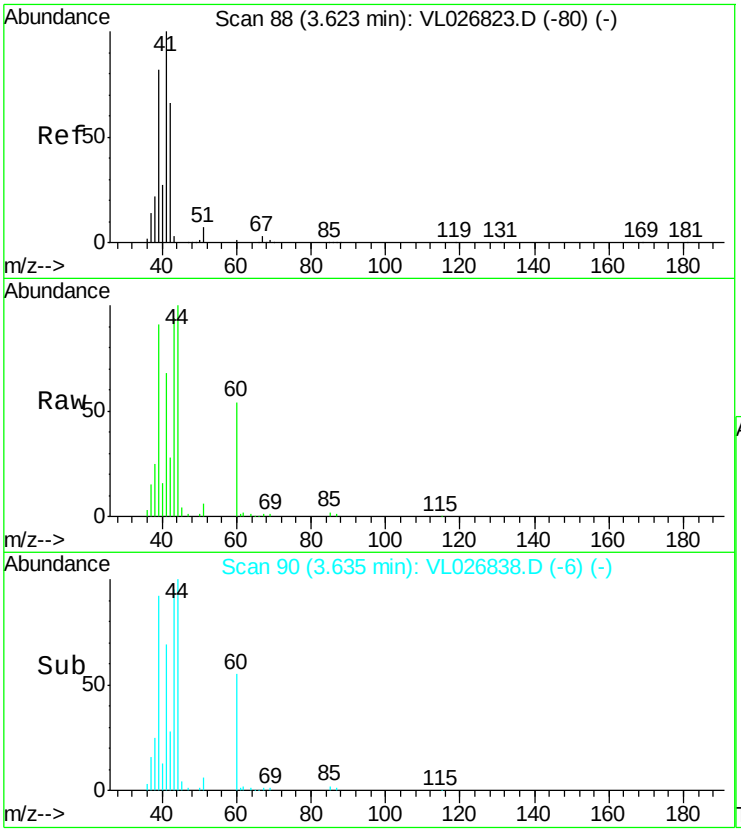


#8
Dichlorotetrafluoroethane
Concen: 0.04 ppbv
RT: 3.83 min Scan# 122
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 85 Resp: 10156

Ion	Ratio	Lower	Upper
85	100		
135	71.8	63.2	94.8

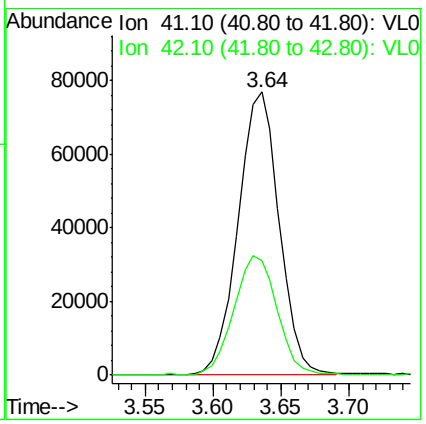




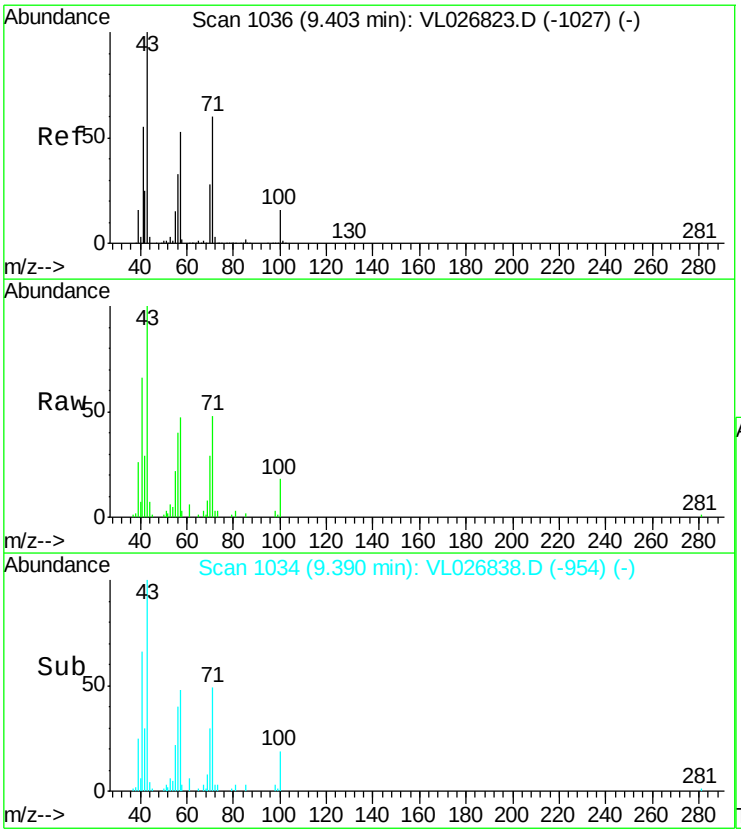
#9
Propene
Concen: 2.65 ppbv
RT: 3.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 41 Resp: 162815

Ion	Ratio	Lower	Upper
41	100		
42	44.3	52.8	79.2#



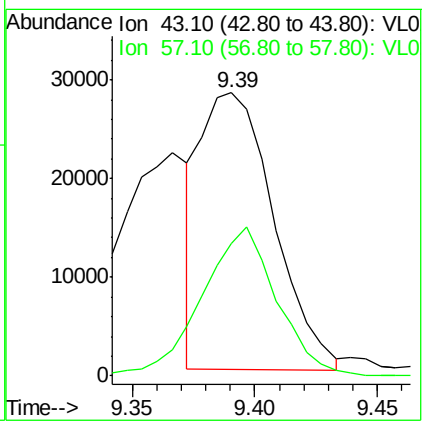
Instrument :
MSVOA_L
ClientSampleId :
IAS-1

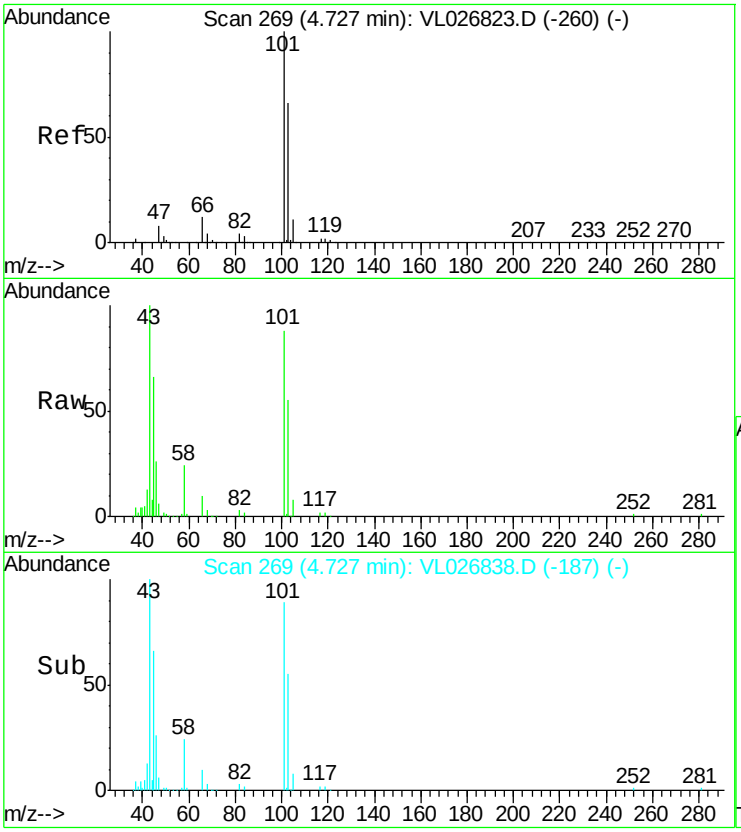


#10
Heptane
Concen: 0.29 ppbv
RT: 9.39 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 43 Resp: 58006

Ion	Ratio	Lower	Upper
43	100		
57	54.9	44.0	66.0



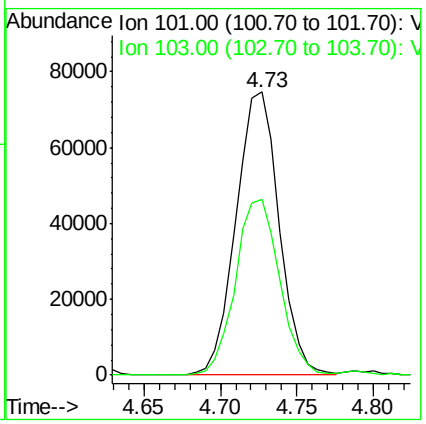


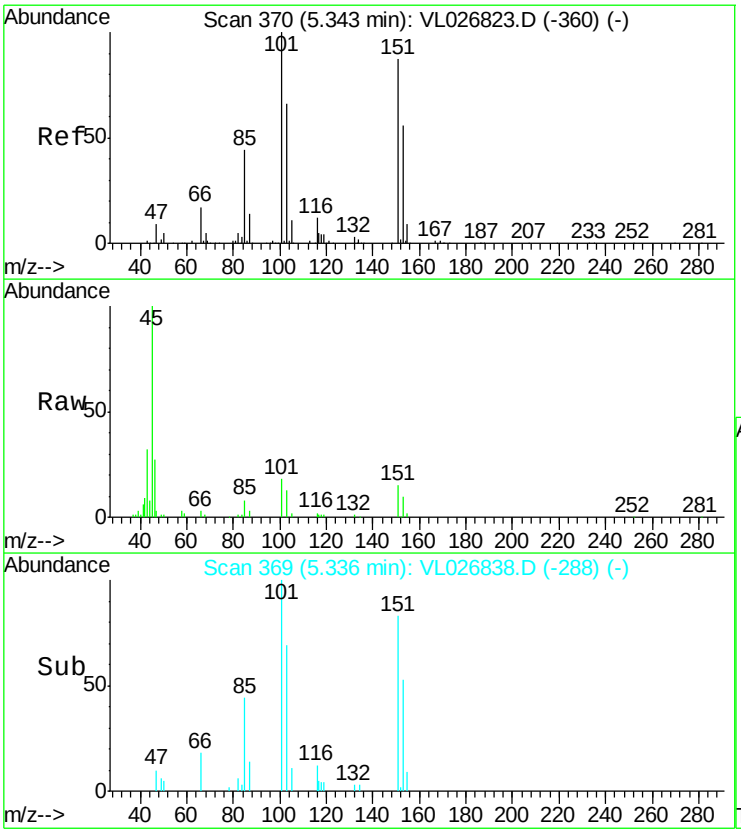
#11
Trichlorofluoromethane
Concen: 0.41 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion:101 Resp: 146405

Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.7	79.1

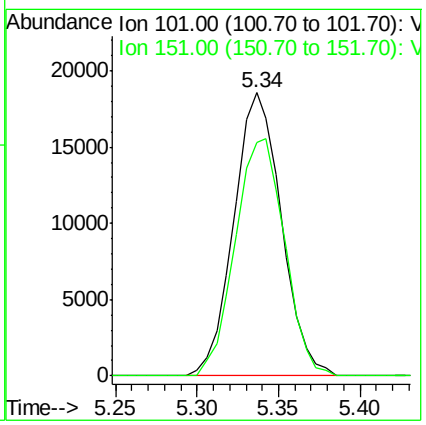


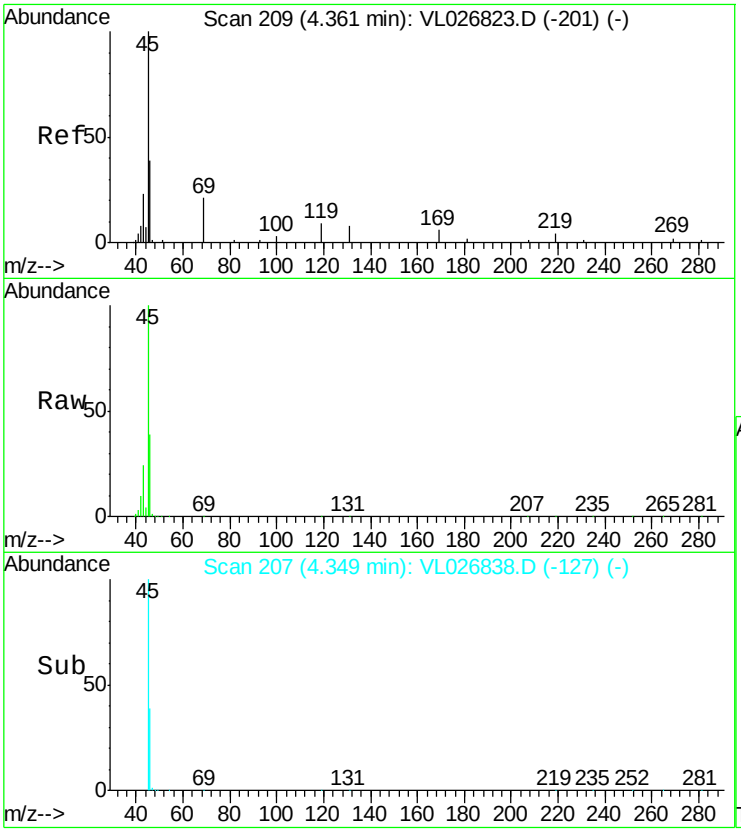


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.15 ppbv
RT: 5.34 min Scan# 369
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:101 Resp: 37589

Ion	Ratio	Lower	Upper
101	100		
151	86.8	69.4	104.0



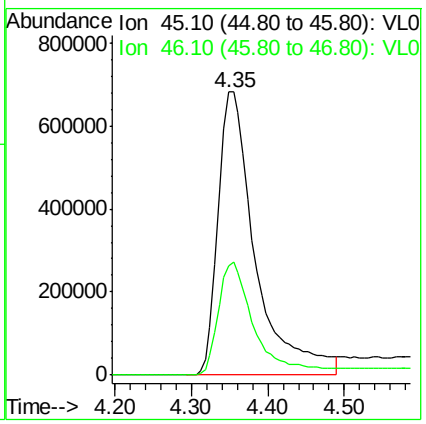


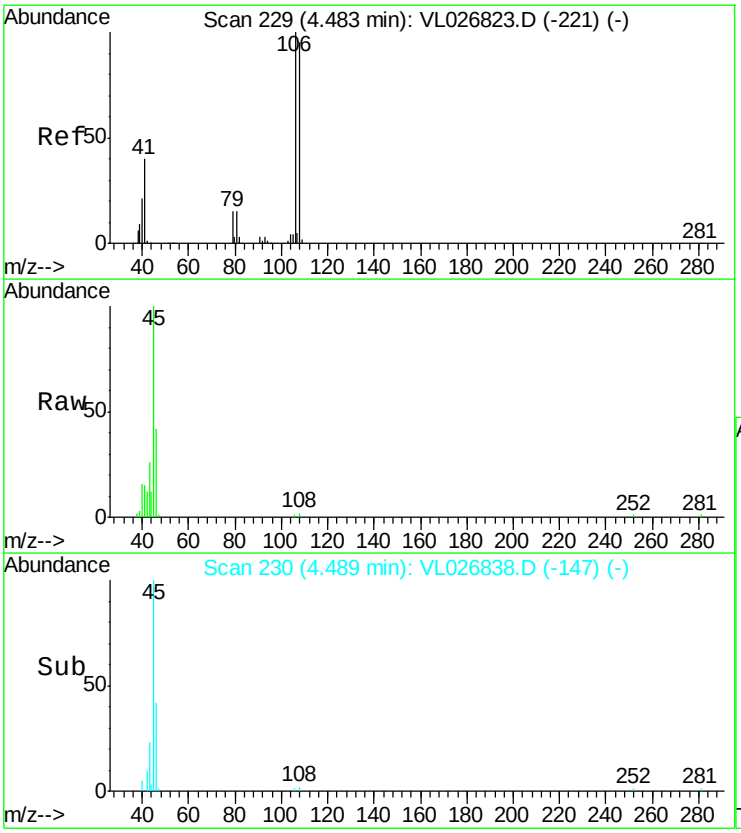
#13
Ethanol
Concen: 218.53 ppbv
RT: 4.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion: 45 Resp: 2312591

Ion	Ratio	Lower	Upper
45	100		
46	40.4	15.8	63.4

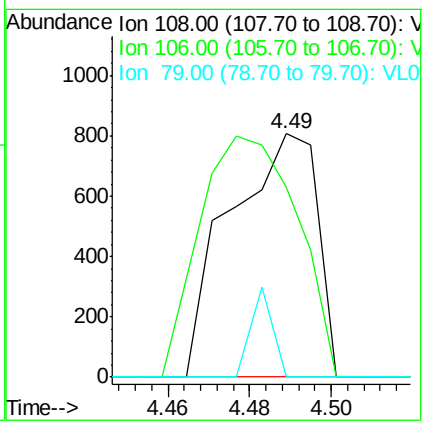


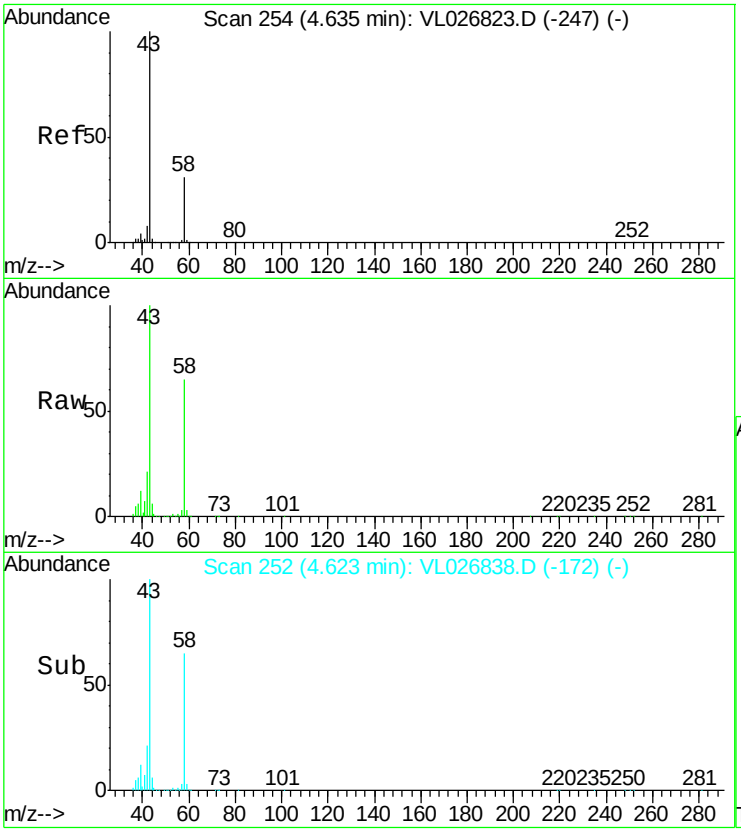


#14
Bromoethene
Concen: 0.01 ppbv
RT: 4.49 min Scan# 230
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:108 Resp: 1202

Ion	Ratio	Lower	Upper
108	100		
106	110.4	84.6	126.8
79	0.0	13.4	20.0#



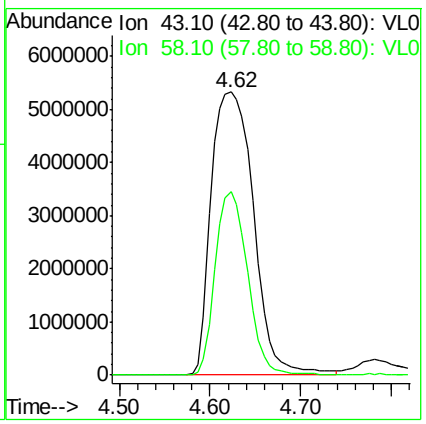


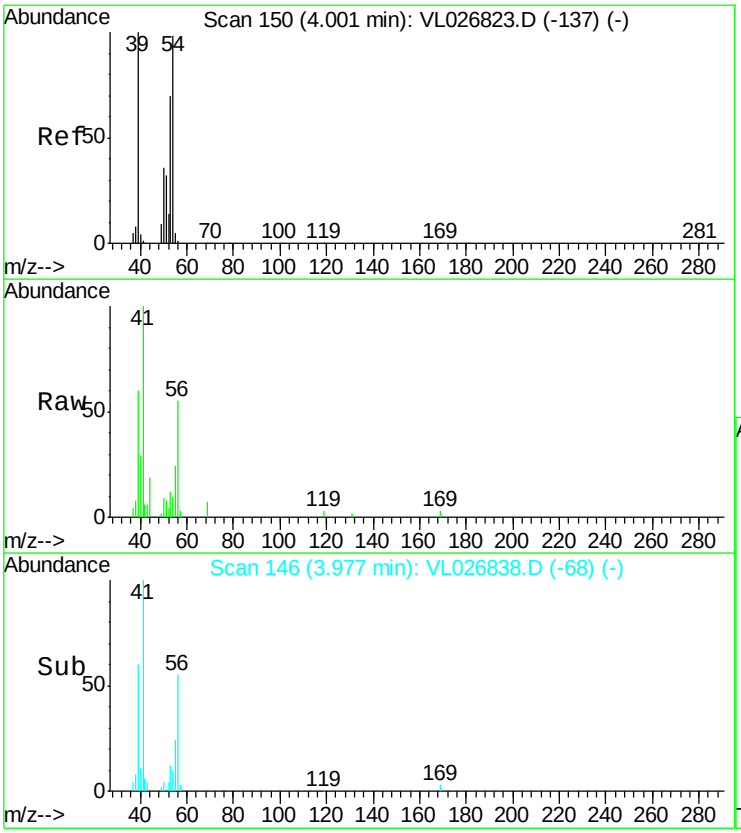
#15
Acetone
Concen: 89.74 ppbv
RT: 4.62 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 43 Resp:17309039

Ion	Ratio	Lower	Upper
43	100		
58	50.1	25.2	37.8#

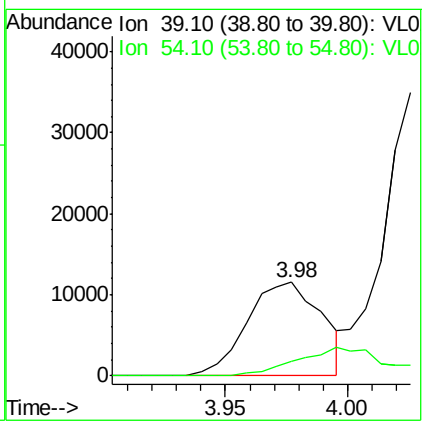


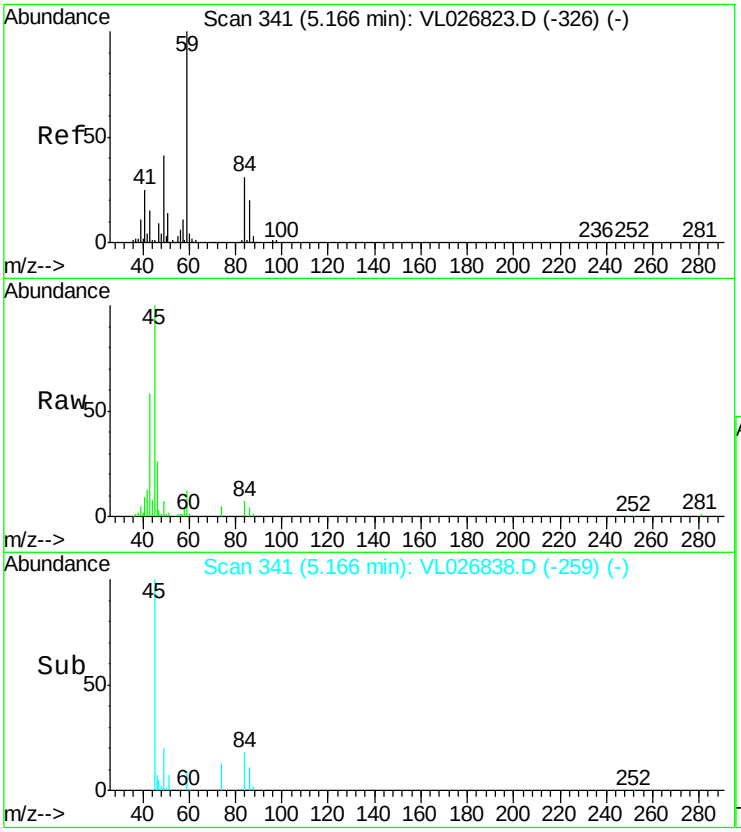


#16
1,3-Butadiene
Concen: 0.33 ppbv
RT: 3.98 min Scan# 146
Delta R.T. -0.02 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 39 Resp: 24584

Ion	Ratio	Lower	Upper
39	100		
54	38.2	74.7	112.1#



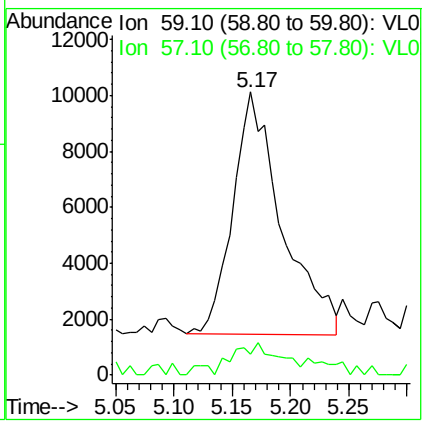


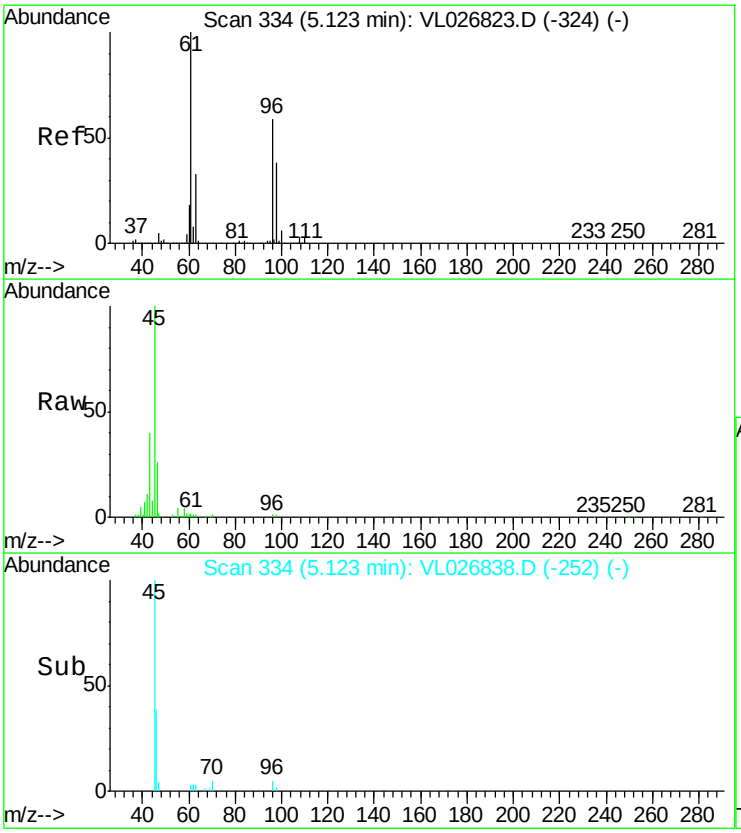
#17
tert-Butyl alcohol
Concen: 0.20 ppbv
RT: 5.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 59 Resp: 25503

Ion	Ratio	Lower	Upper
59	100		
57	20.9	8.5	12.7#

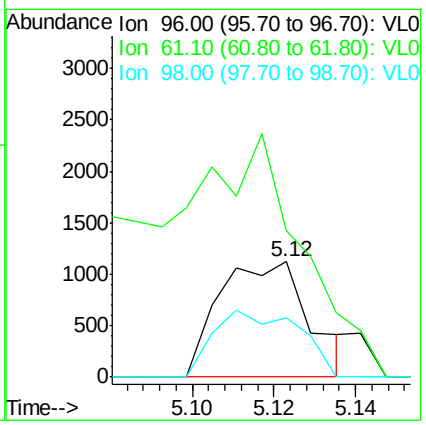


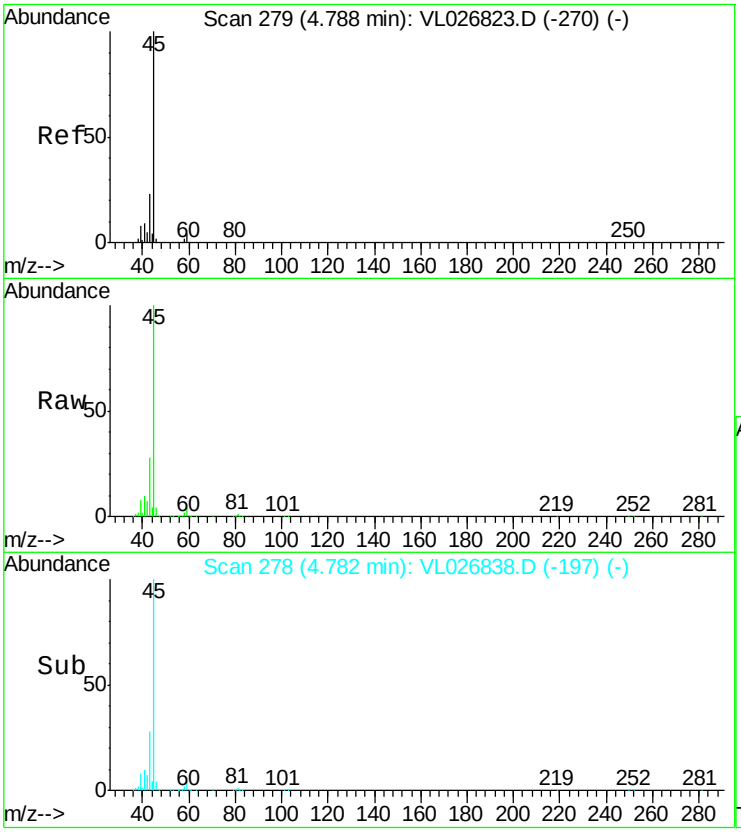


#18
1,1-Dichloroethene
Concen: 0.02 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 96 Resp: 1722

Ion	Ratio	Lower	Upper
96	100		
61	70.7	136.7	205.1#
98	51.2	52.1	78.1#



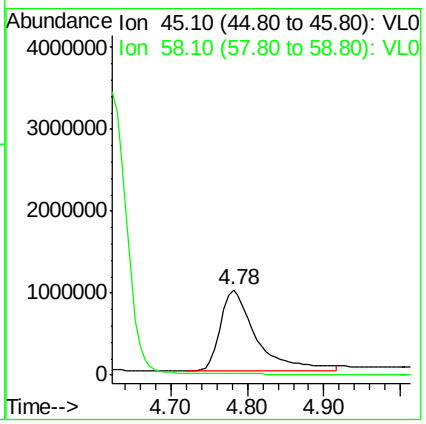


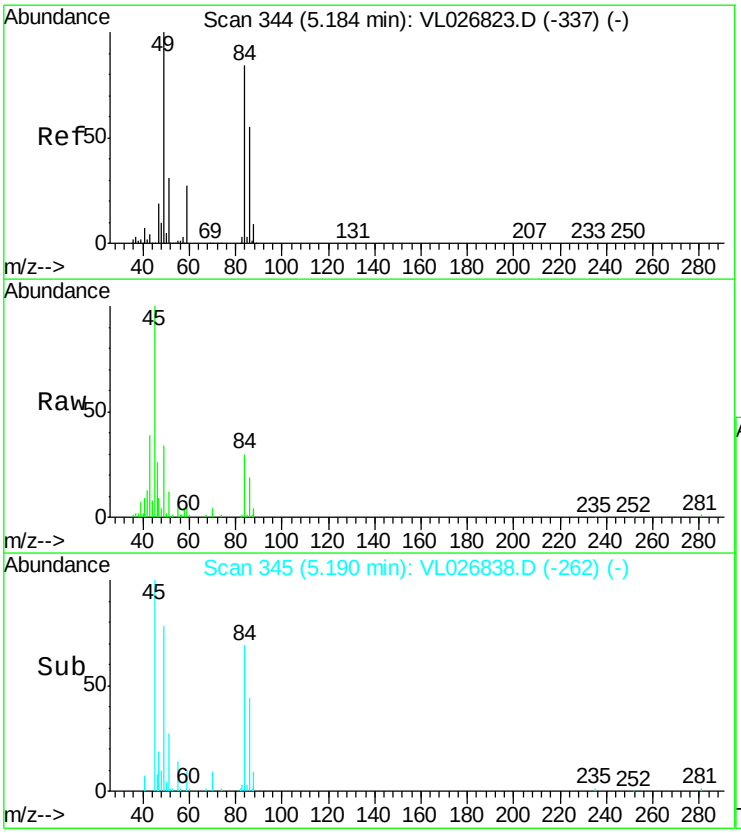
#19
Isopropyl Alcohol
Concen: 46.89 ppbv
RT: 4.78 min Scan# 278
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 45 Resp: 3226343

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#

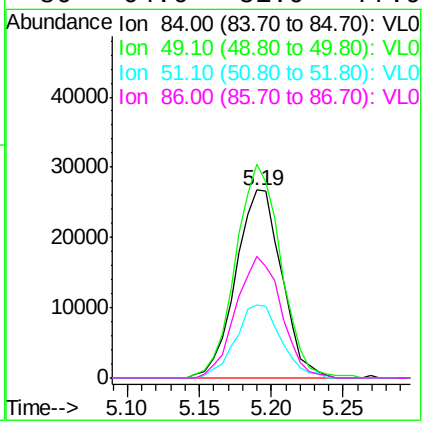


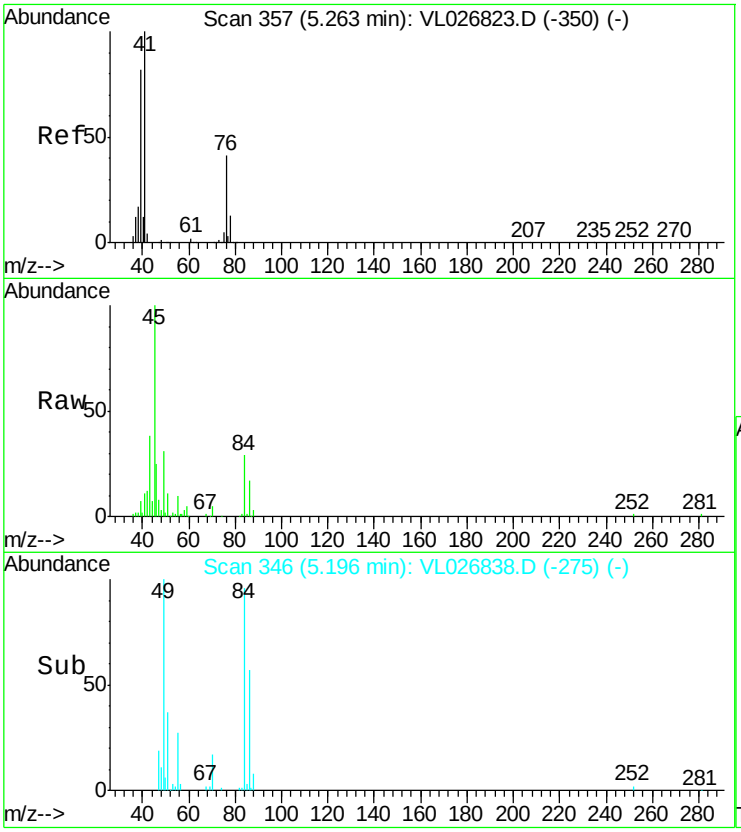


#20
Methylene Chloride
Concen: 0.59 ppbv
RT: 5.19 min Scan# 345
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 84 Resp: 59089

Ion	Ratio	Lower	Upper
84	100		
49	113.6	94.9	142.3
51	38.6	29.5	44.3
86	64.6	51.9	77.9



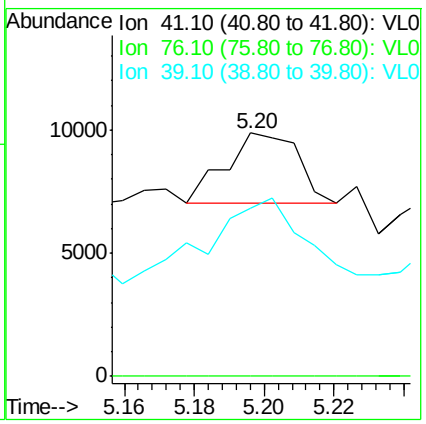


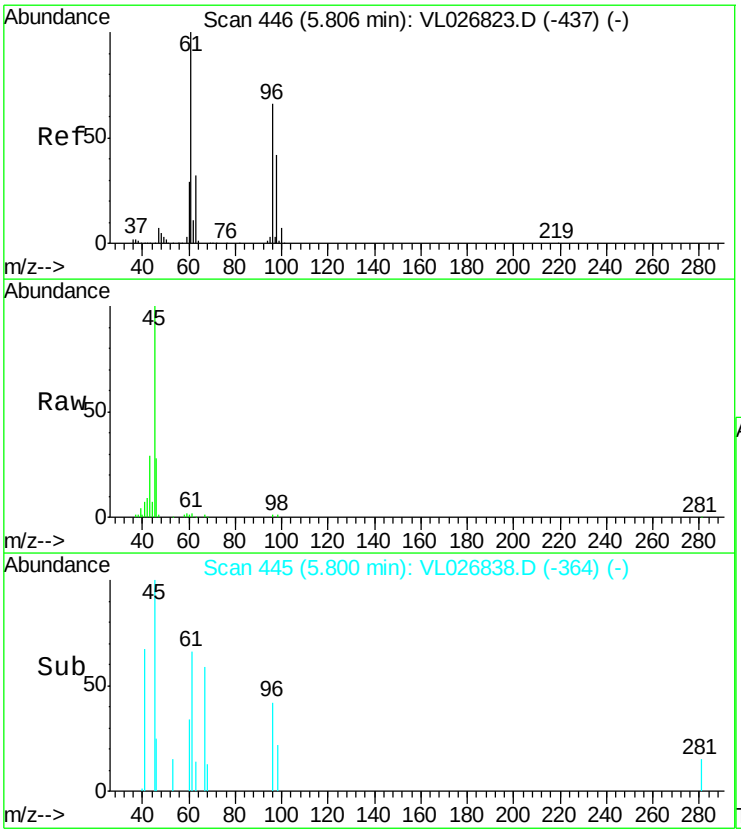
#21
Allyl Chloride
Concen: 0.03 ppbv
RT: 5.20 min Scan# 346
Delta R.T. -0.07 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 41 Resp: 4105

Ion	Ratio	Lower	Upper
41	100		
76	0.0	32.0	48.0#
39	244.3	64.6	96.8#

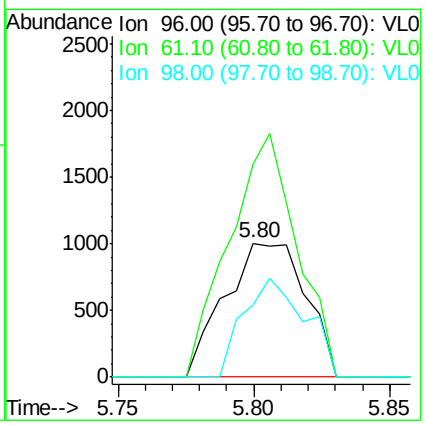


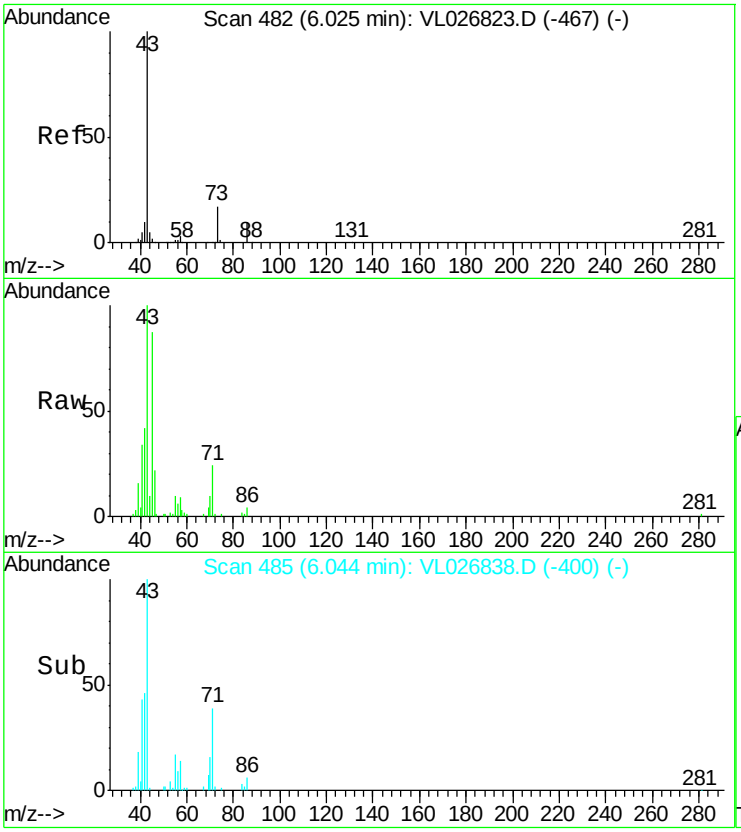


#22
trans-1,2-Dichloroethene
Concen: 0.02 ppbv
RT: 5.80 min Scan# 445
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 96 Resp: 2067

Ion	Ratio	Lower	Upper
96	100		
61	159.3	121.6	182.4
98	53.6	50.6	76.0



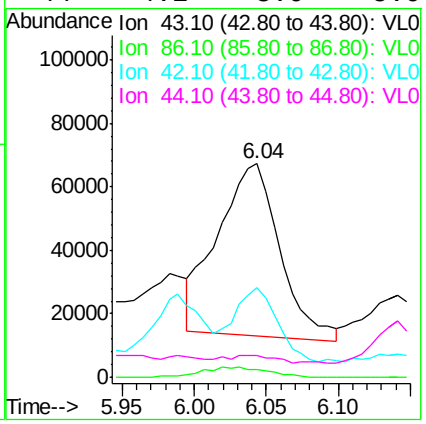


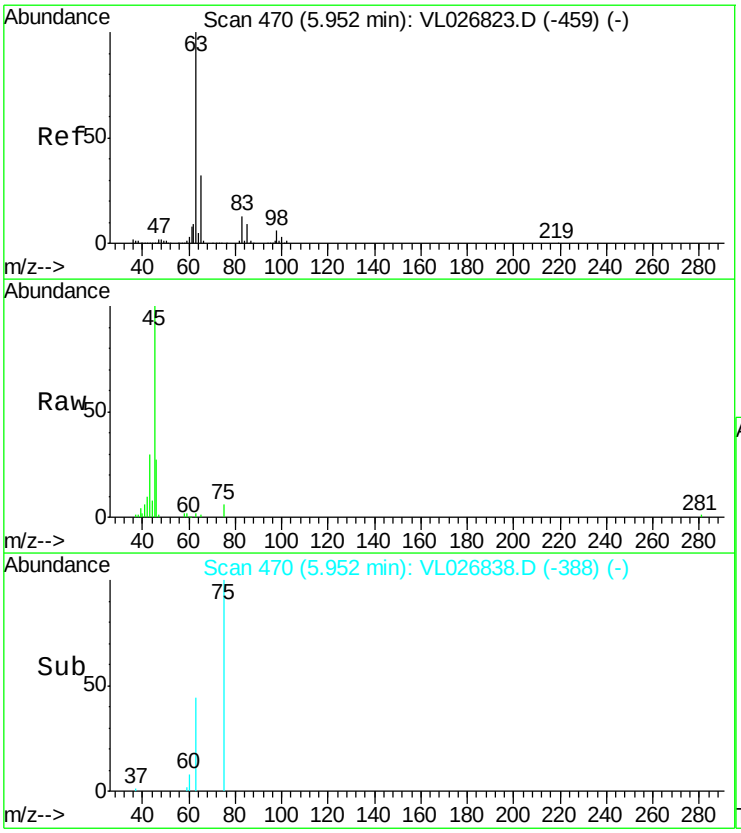
#23
Vinyl Acetate
Concen: 0.62 ppbv
RT: 6.04 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 43 Resp: 162748

Ion	Ratio	Lower	Upper
43	100		
86	4.7	7.7	11.5#
42	44.4	7.8	11.8#
44	4.2	3.9	5.9

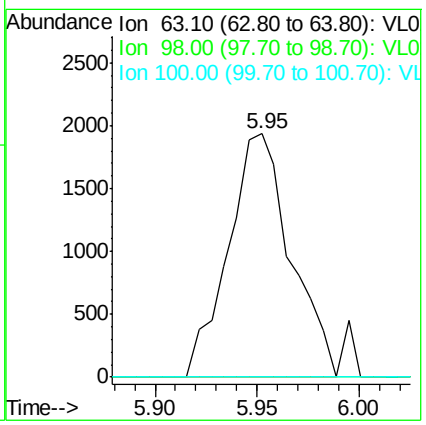


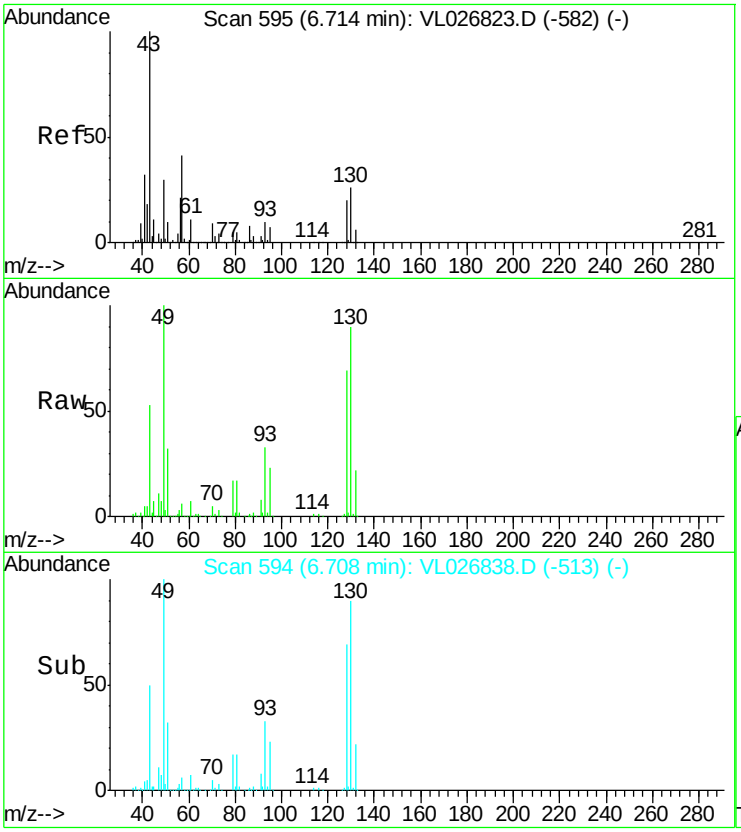


#24
1,1-Dichloroethane
Concen: 0.02 ppbv
RT: 5.95 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 63 Resp: 4120

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



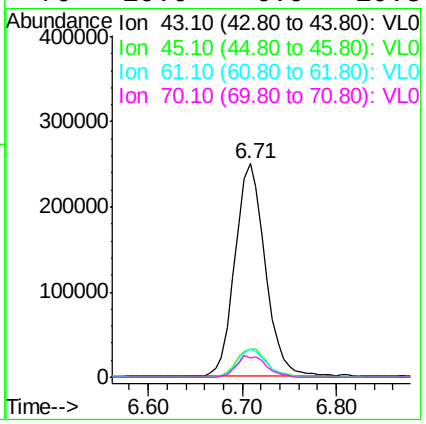


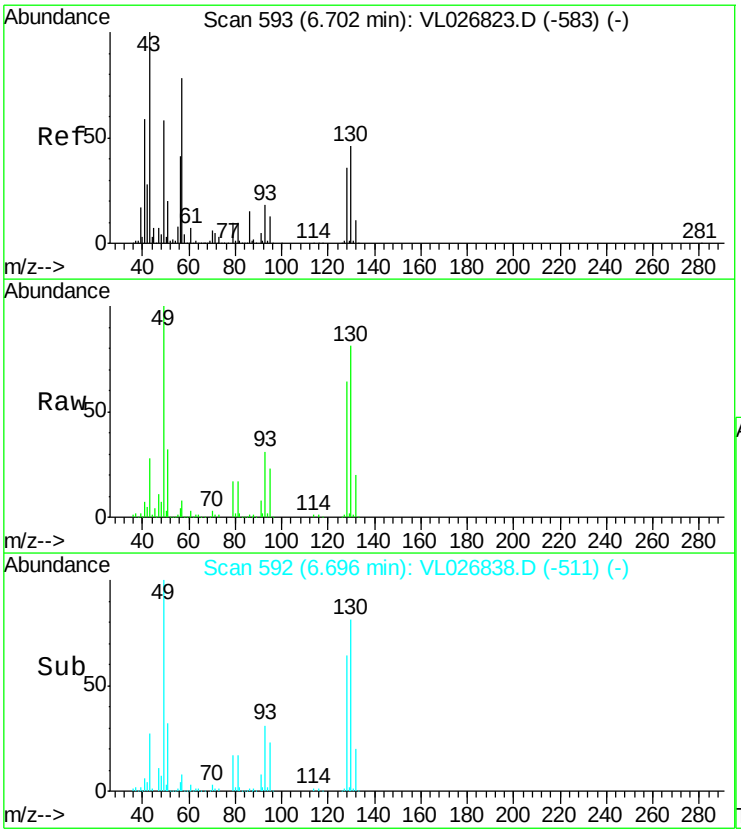
#25
Ethyl Acetate
Concen: 1.95 ppbv
RT: 6.71 min Scan# 594
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 43 Resp: 564084

Ion	Ratio	Lower	Upper
43	100		
45	13.4	7.8	11.8#
61	12.3	7.9	11.9#
70	10.0	6.9	10.3

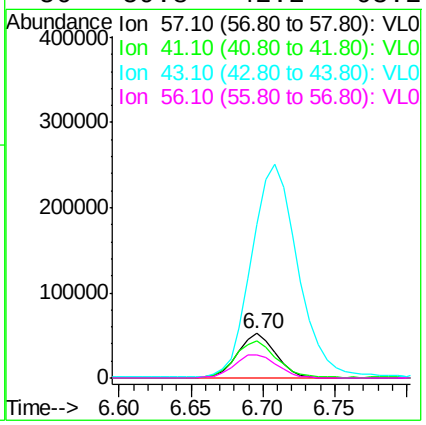


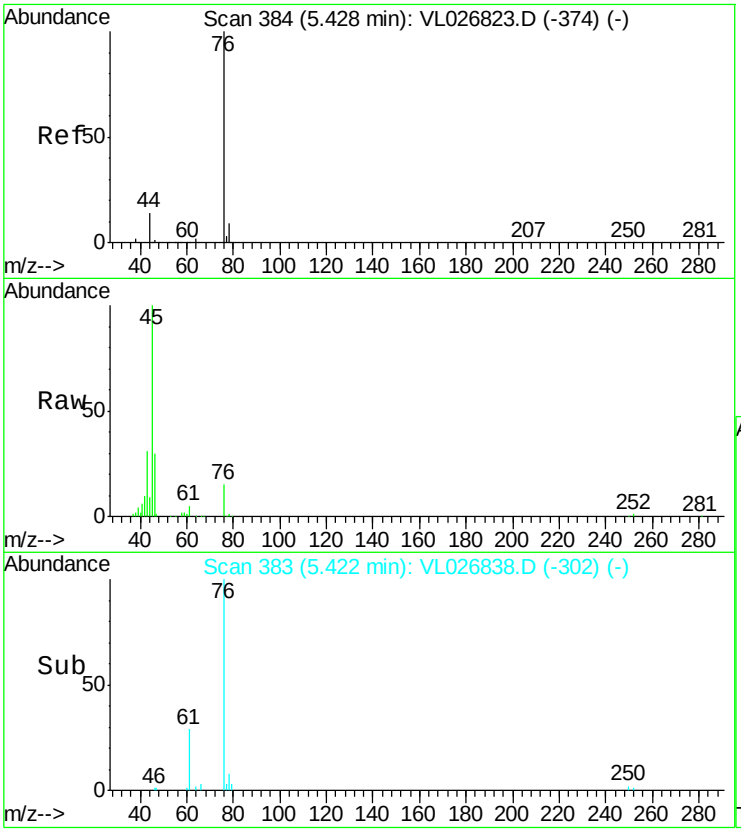


#26
Hexane
Concen: 0.59 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 57 Resp: 95537

Ion	Ratio	Lower	Upper
57	100		
41	90.5	63.3	94.9
43	594.3	151.4	227.2#
56	59.8	42.2	63.2



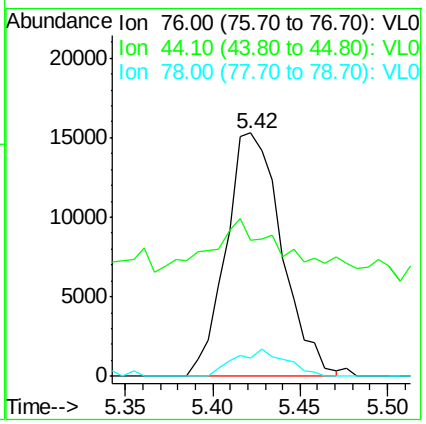


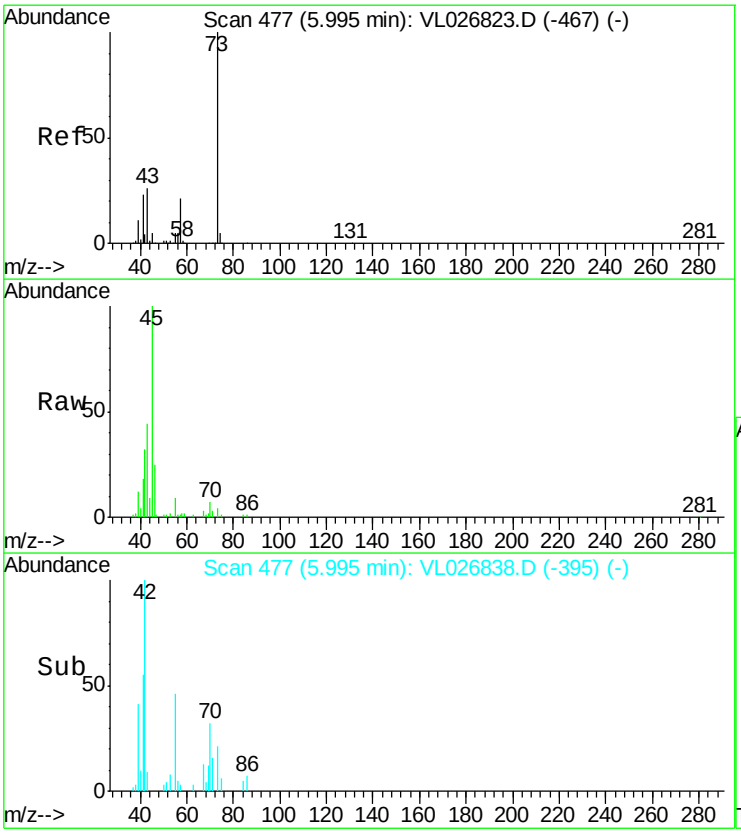
#27
Carbon Disulfide
Concen: 0.12 ppbv
RT: 5.42 min Scan# 383
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 76 Resp: 33915

Ion	Ratio	Lower	Upper
76	100		
44	28.6	12.1	18.1#
78	10.5	7.7	11.5

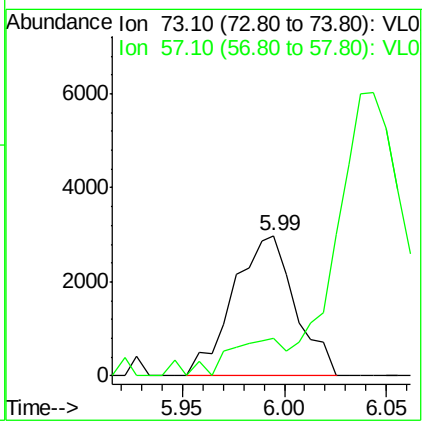


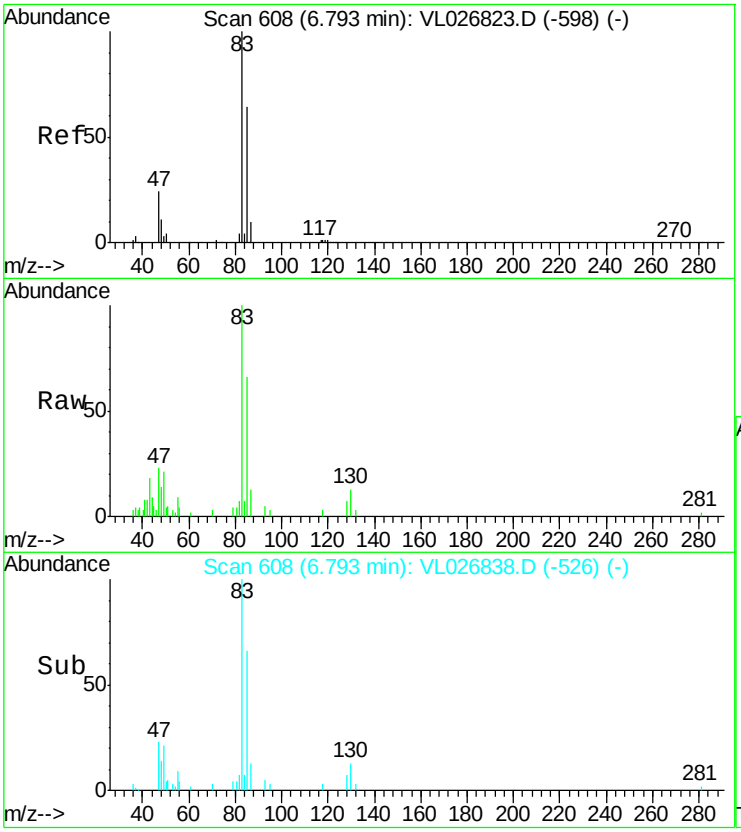


#28
Methyl tert-Butyl Ether
Concen: 0.02 ppbv
RT: 5.99 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 73 Resp: 6275

Ion	Ratio	Lower	Upper
73	100		
57	244.4	17.0	25.6#



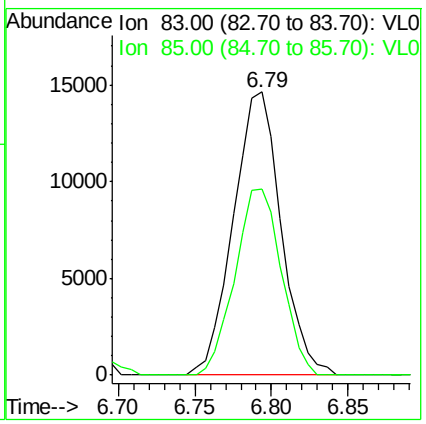


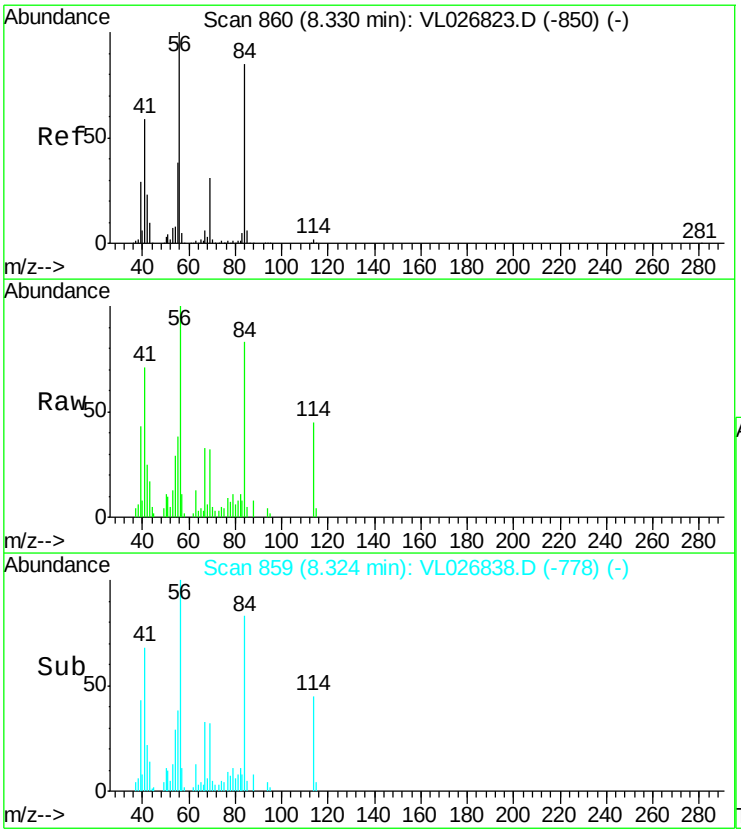
#29
Chloroform
Concen: 0.12 ppbv
RT: 6.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 83 Resp: 31724

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.5	77.3

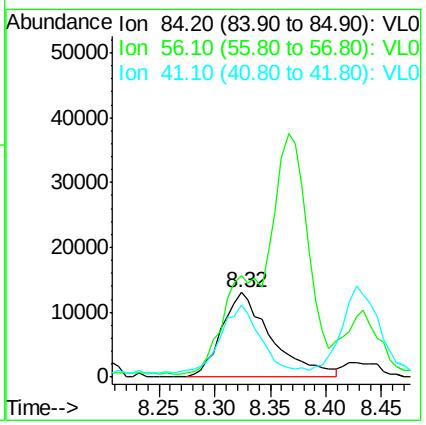


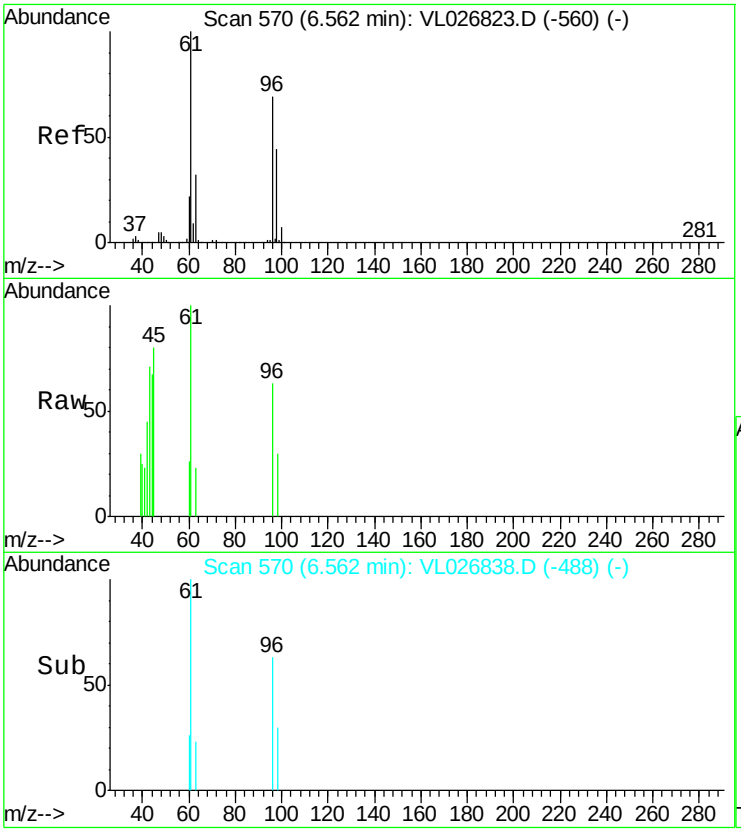


#30
Cyclohexane
Concen: 0.31 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 84 Resp: 40757

Ion	Ratio	Lower	Upper
84	100		
56	345.0	99.4	149.2#
41	70.3	56.7	85.1



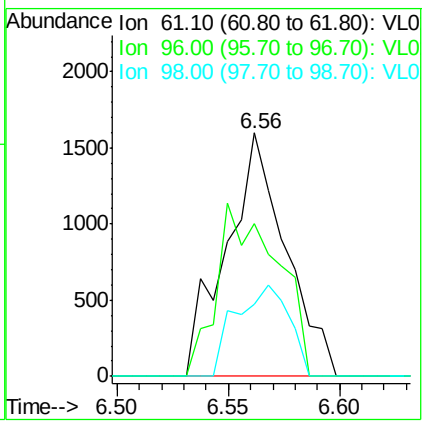


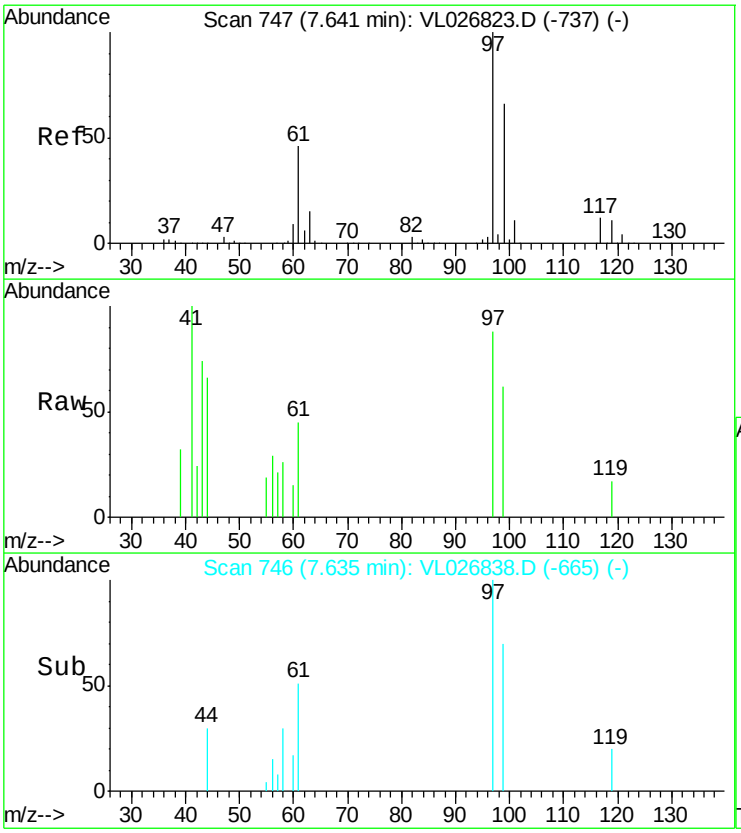
#31
cis-1,2-Dichloroethene
Concen: 0.02 ppbv
RT: 6.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 61 Resp: 2974

Ion	Ratio	Lower	Upper
61	100		
96	62.7	55.2	82.8
98	29.8	35.2	52.8#

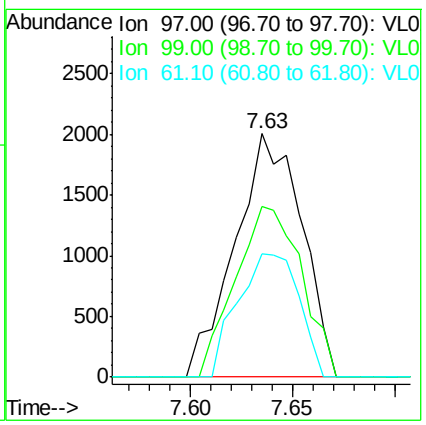


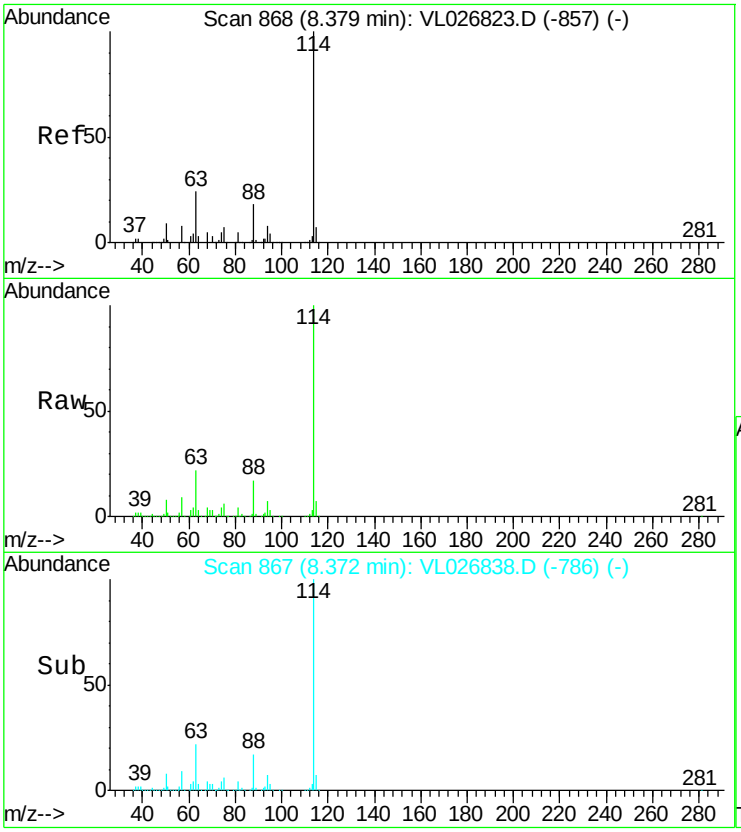


#32
1,1,1-Trichloroethane
Concen: 0.02 ppbv
RT: 7.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 97 Resp: 4572

Ion	Ratio	Lower	Upper
97	100		
99	69.4	52.0	78.0
61	46.4	36.2	54.4



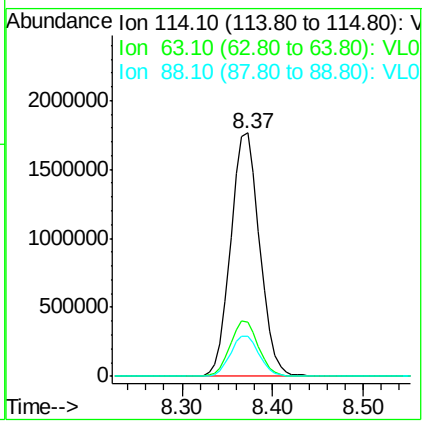


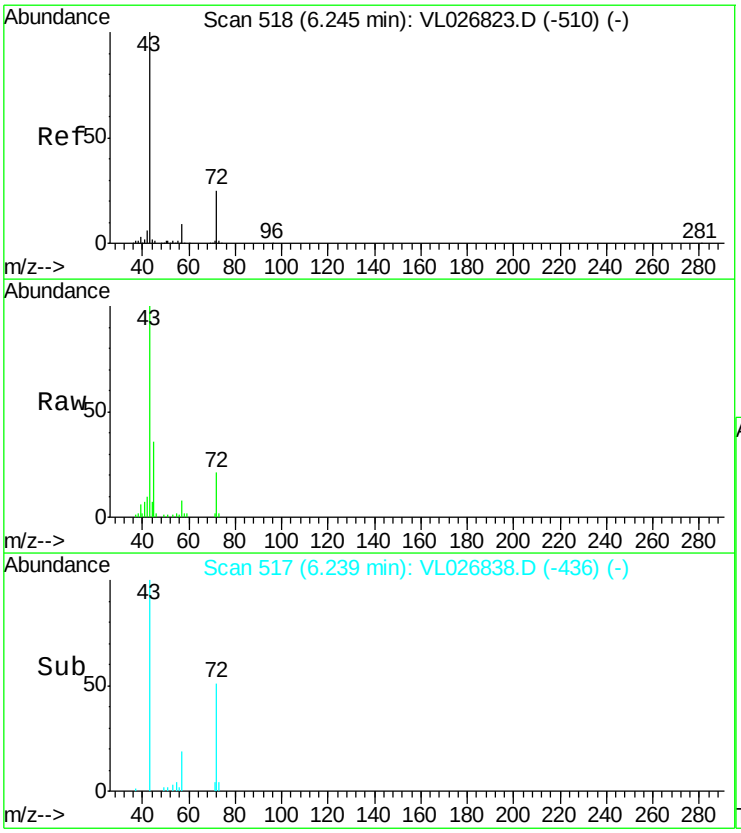
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.37 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion:114 Resp: 3902904

Ion	Ratio	Lower	Upper
114	100		
63	22.4	19.7	29.5
88	16.6	13.8	20.6

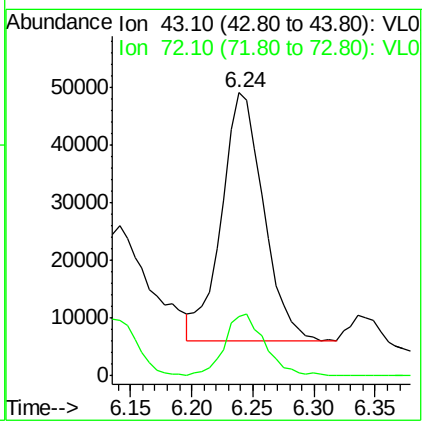


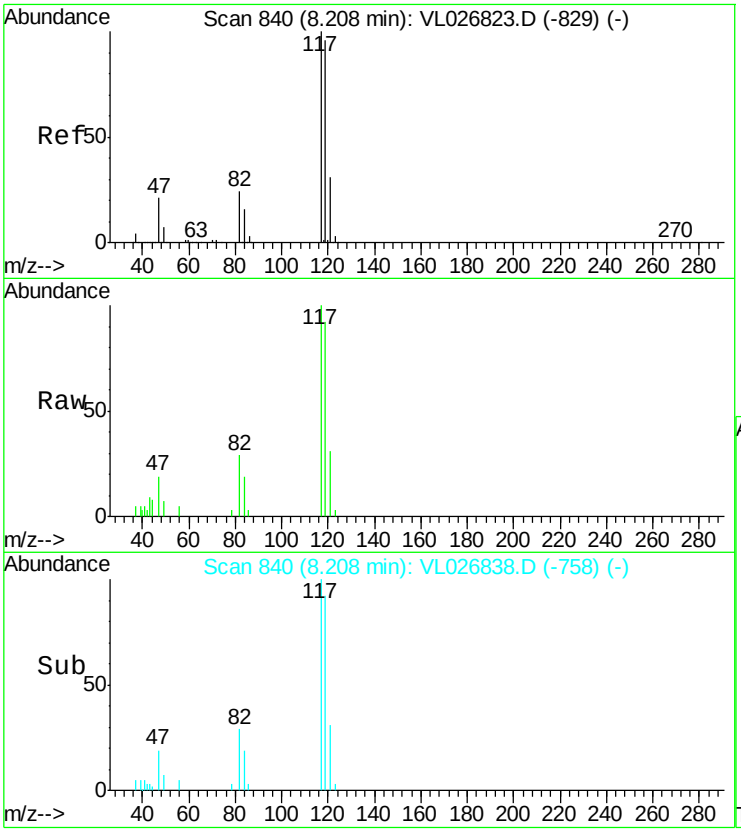


#34
2-Butanone
Concen: 0.54 ppbv
RT: 6.24 min Scan# 517
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 43 Resp: 102772

Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.8	29.8



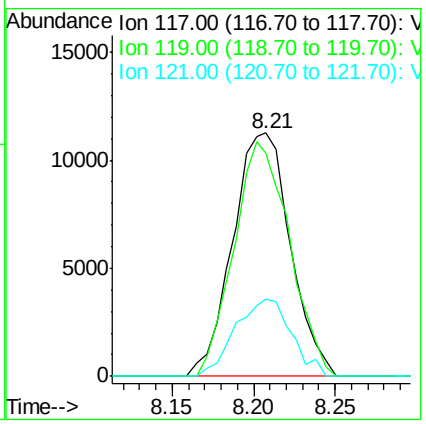


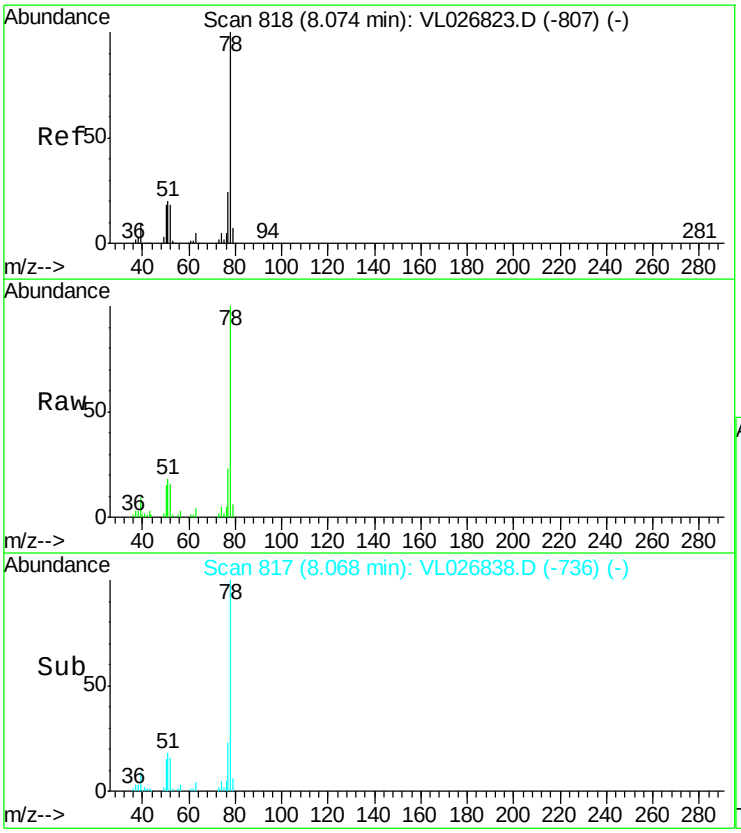
#35
Carbon Tetrachloride
Concen: 0.10 ppbv
RT: 8.21 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:117 Resp: 27714

Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.6	115.0
121	31.5	25.0	37.4

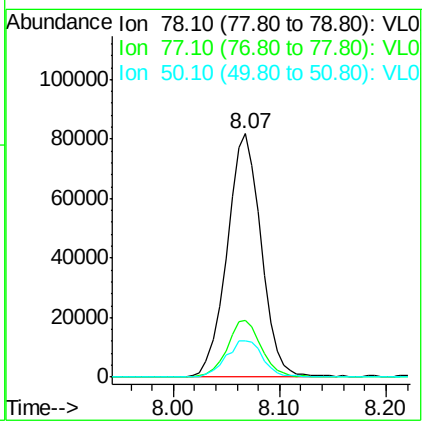


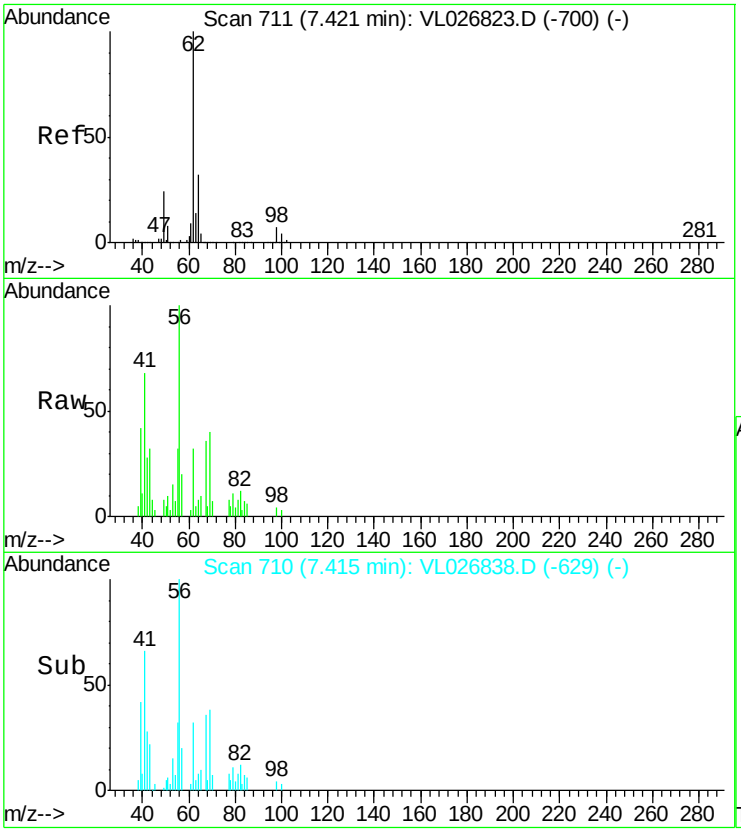


#36
Benzene
Concen: 0.59 ppbv
RT: 8.07 min Scan# 817
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 78 Resp: 183811

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6
50	14.9	14.2	21.4



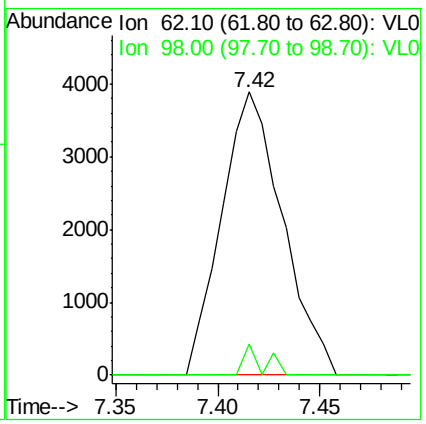


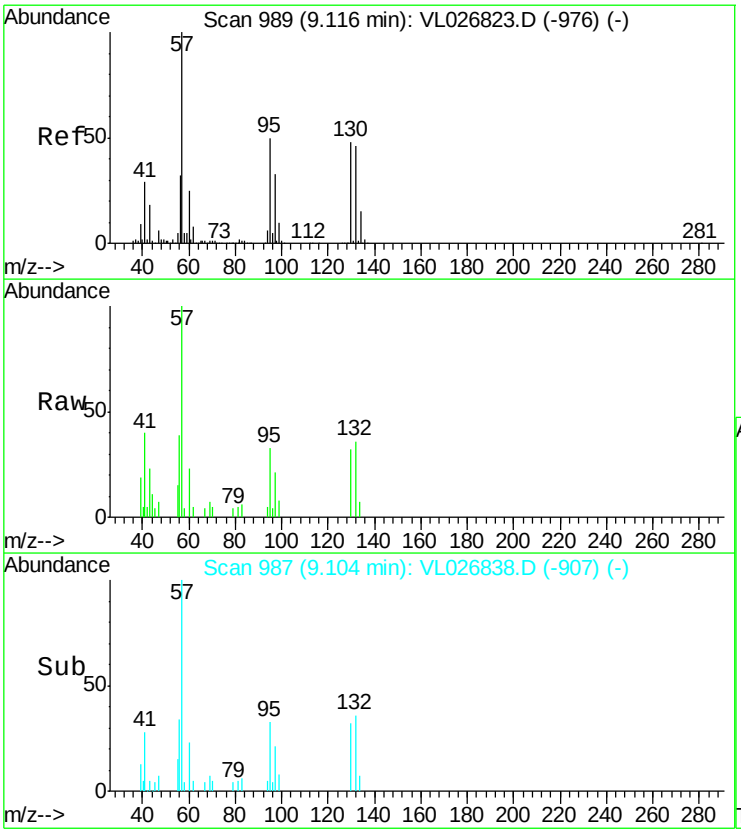
#37
1,2-Dichloroethane
Concen: 0.04 ppbv
RT: 7.42 min Scan# 710
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 62 Resp: 8092

Ion	Ratio	Lower	Upper
62	100		
98	3.3	5.4	8.2#

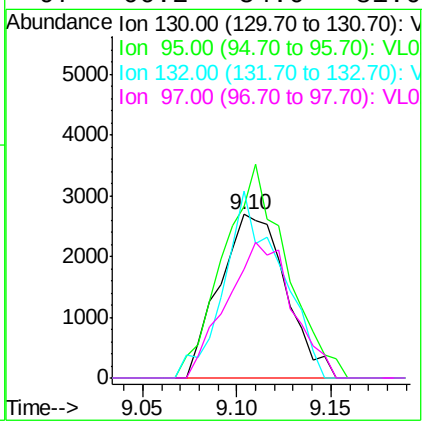


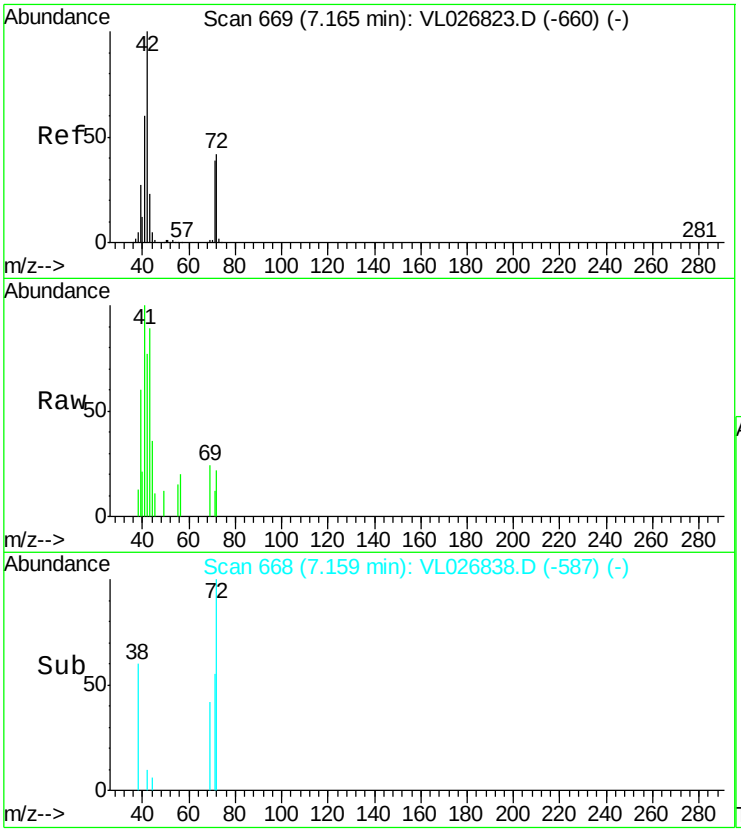


#38
Trichloroethene
Concen: 0.05 ppbv
RT: 9.10 min Scan# 987
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:130 Resp: 6554

Ion	Ratio	Lower	Upper
130	100		
95	93.1	83.0	124.6
132	114.6	76.0	114.0#
97	66.2	54.0	81.0



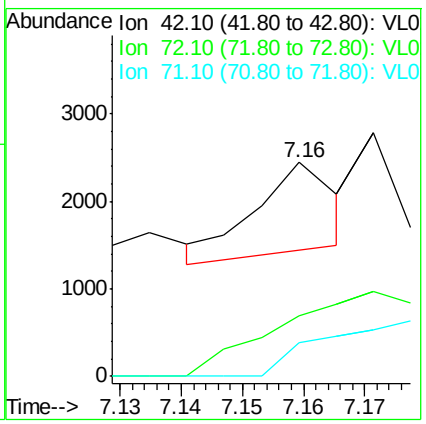


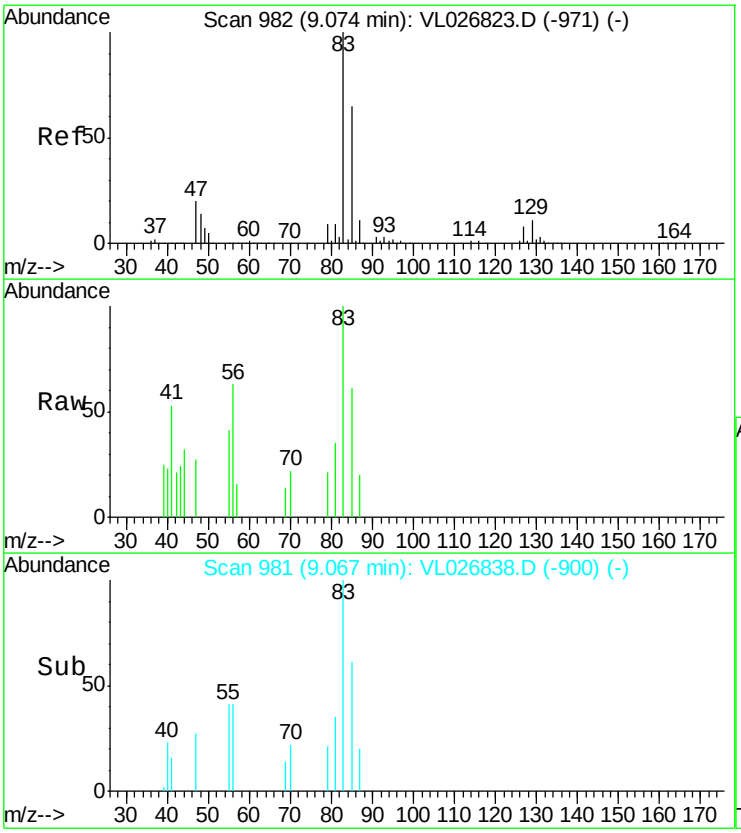
#41
Tetrahydrofuran
Concen: 0.01 ppbv
RT: 7.16 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 42 Resp: 922

Ion	Ratio	Lower	Upper
42	100		
72	222.0	33.4	50.0#
71	110.6	32.1	48.1#

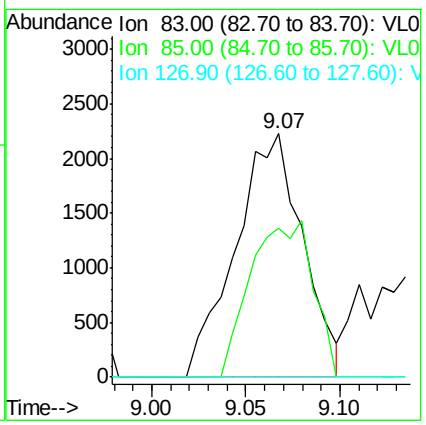


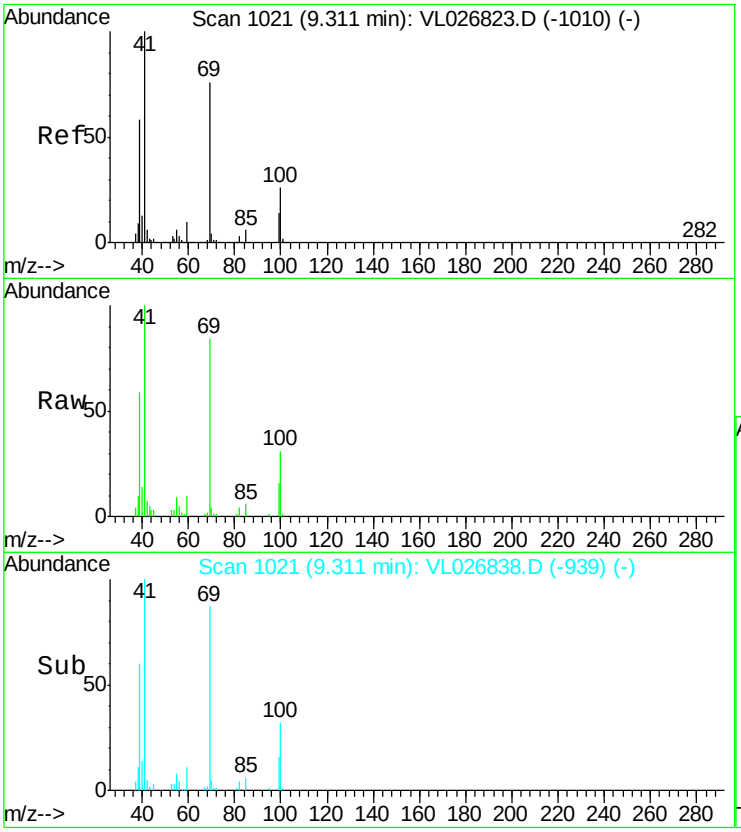


#42
Bromodichloromethane
Concen: 0.02 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 83 Resp: 5532

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.8	77.6
127	0.0	6.4	9.6#



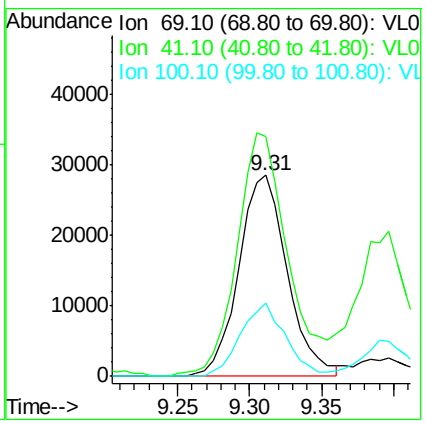


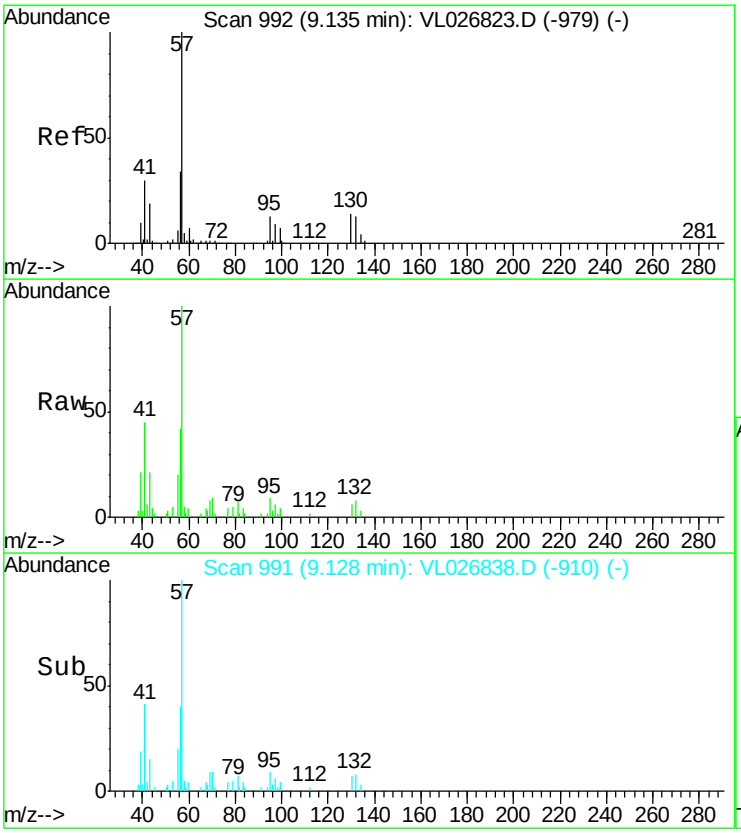
#43
Methyl Methacrylate
Concen: 0.61 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 69 Resp: 66387

Ion	Ratio	Lower	Upper
69	100		
41	126.7	106.5	159.7
100	33.7	27.2	40.8

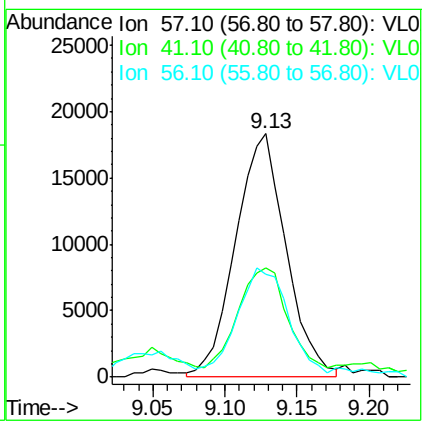


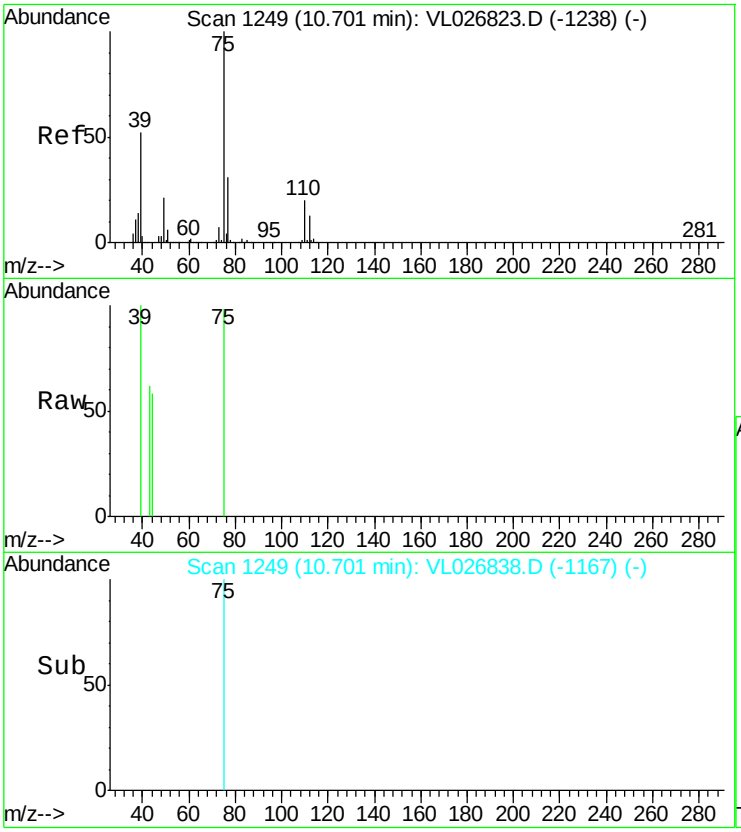


#44
2,2,4-Trimethylpentane
Concen: 0.08 ppbv
RT: 9.13 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 57 Resp: 44767

Ion	Ratio	Lower	Upper
57	100		
41	52.5	23.2	34.8#
56	61.3	26.2	39.4#



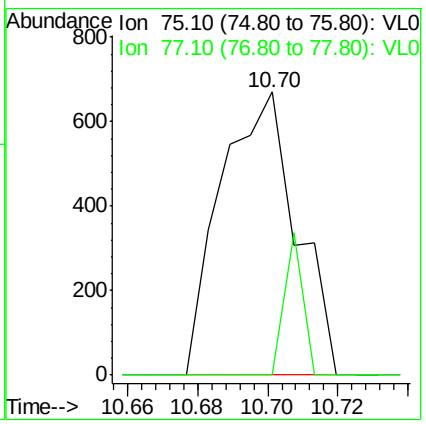


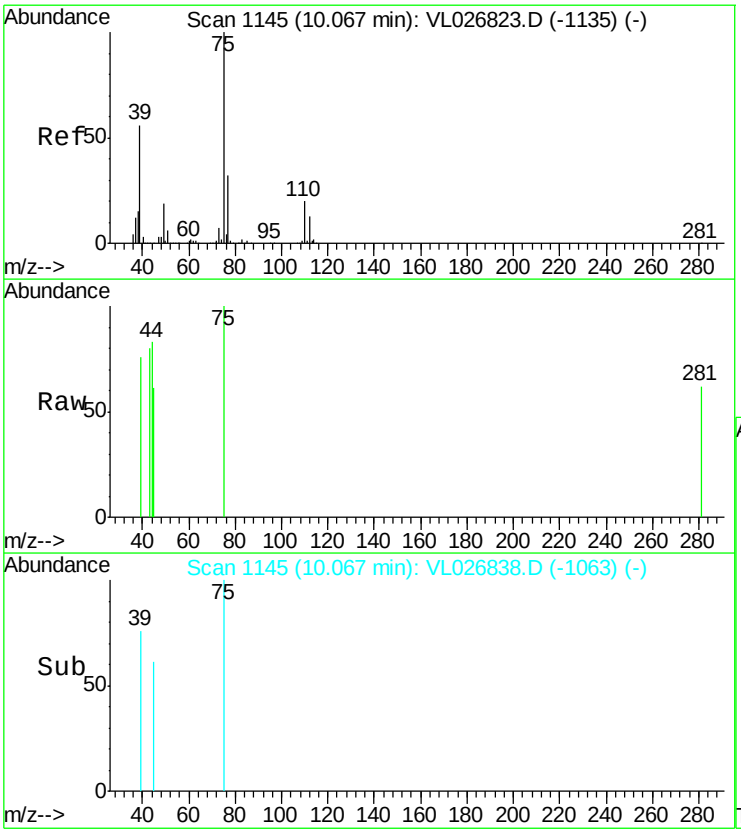
#45
t-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 10.70 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion: 75 Resp: 1006

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#

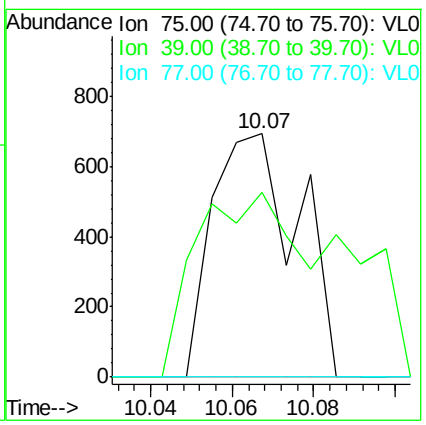


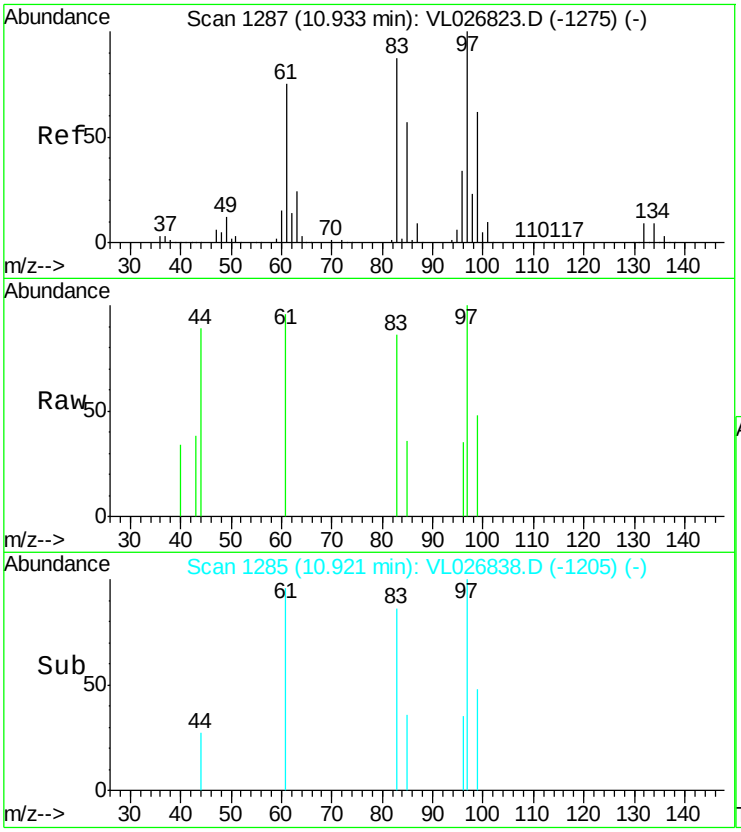


#46
cis-1,3-Dichloropropene
Concen: 0.01 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 75 Resp: 1013

Ion	Ratio	Lower	Upper
75	100		
39	27.7	45.0	67.6#
77	0.0	25.2	37.8#



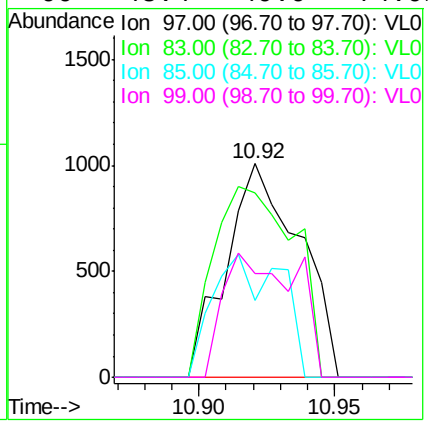


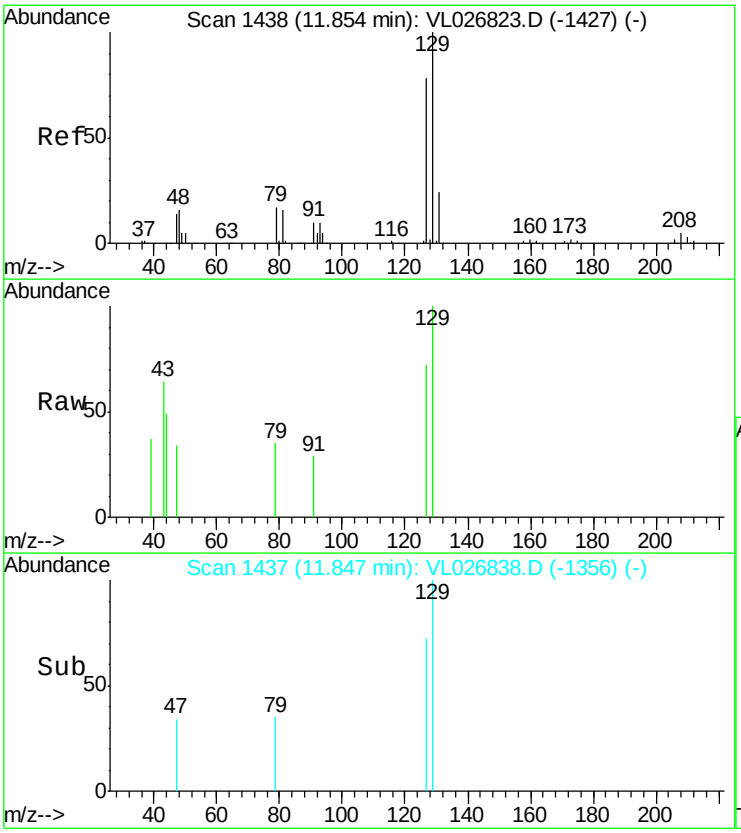
#47
1,1,2-Trichloroethane
Concen: 0.01 ppbv
RT: 10.92 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion: 97 Resp: 1884

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.7	104.5
85	35.7	45.3	67.9#
99	48.4	49.9	74.9#

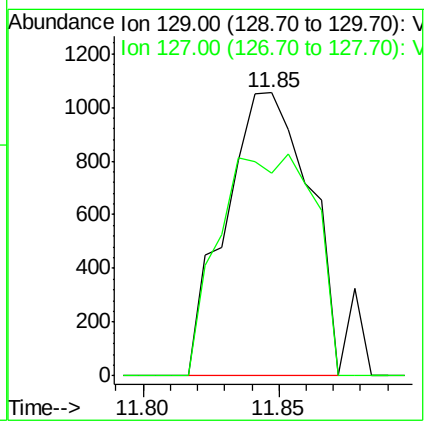


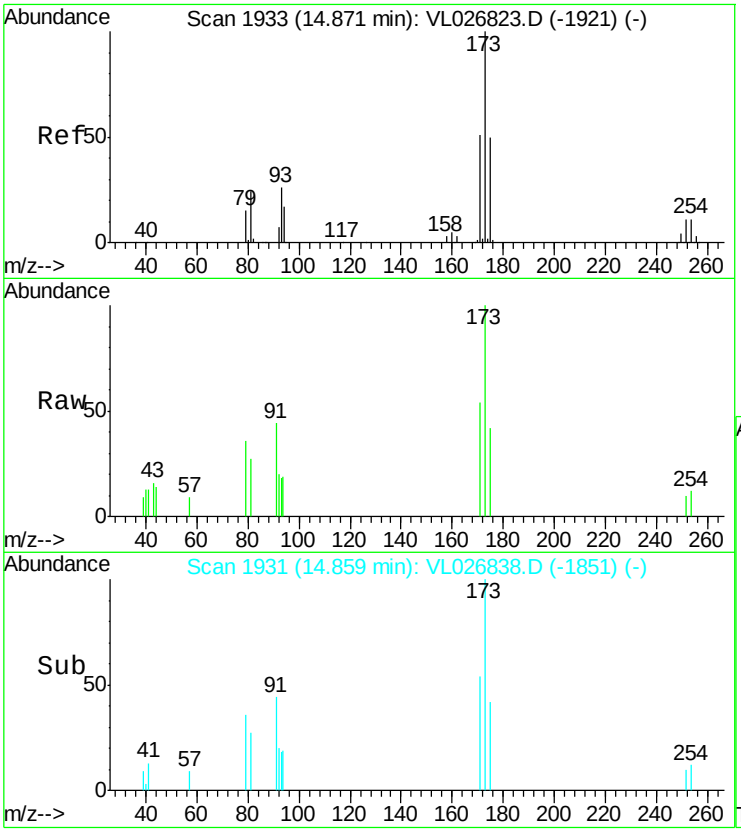


#48
Dibromochloromethane
Concen: 0.01 ppbv
RT: 11.85 min Scan# 1437
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:129 Resp: 2241

Ion	Ratio	Lower	Upper
129	100		
127	89.1	39.6	119.0



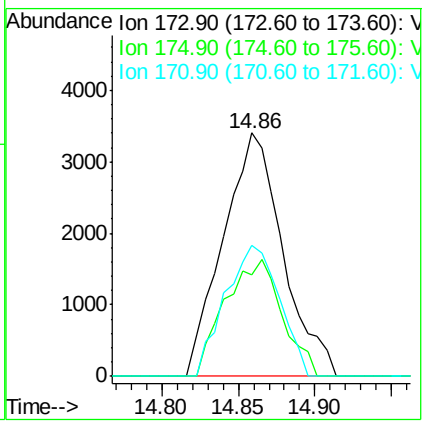


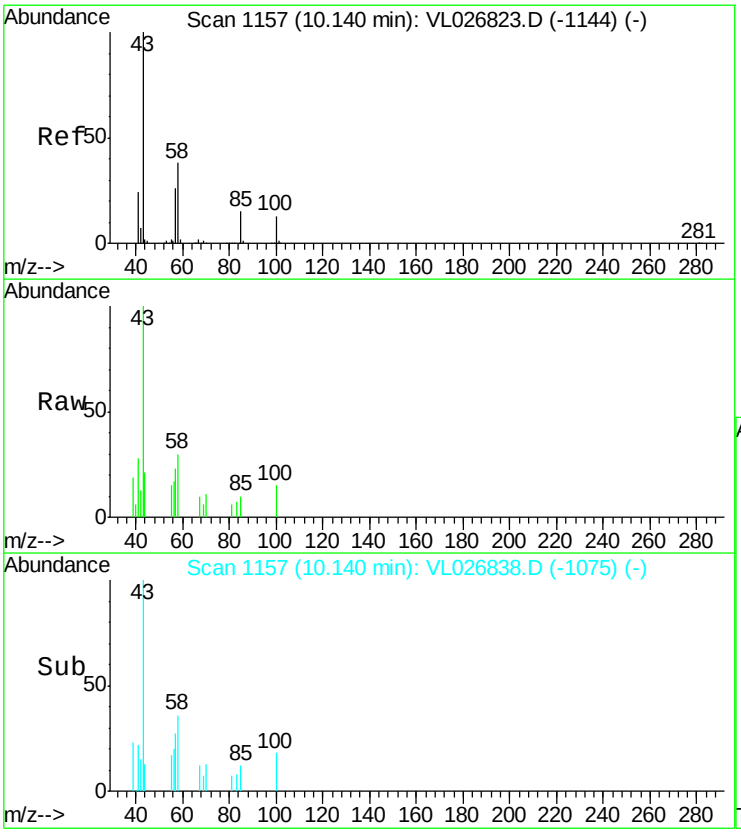
#49
Bromoform
Concen: 0.06 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion:173 Resp: 9248

Ion	Ratio	Lower	Upper
173	100		
175	45.8	39.2	58.8
171	48.7	41.4	62.0

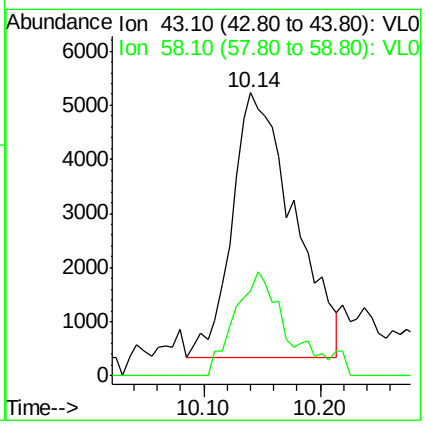


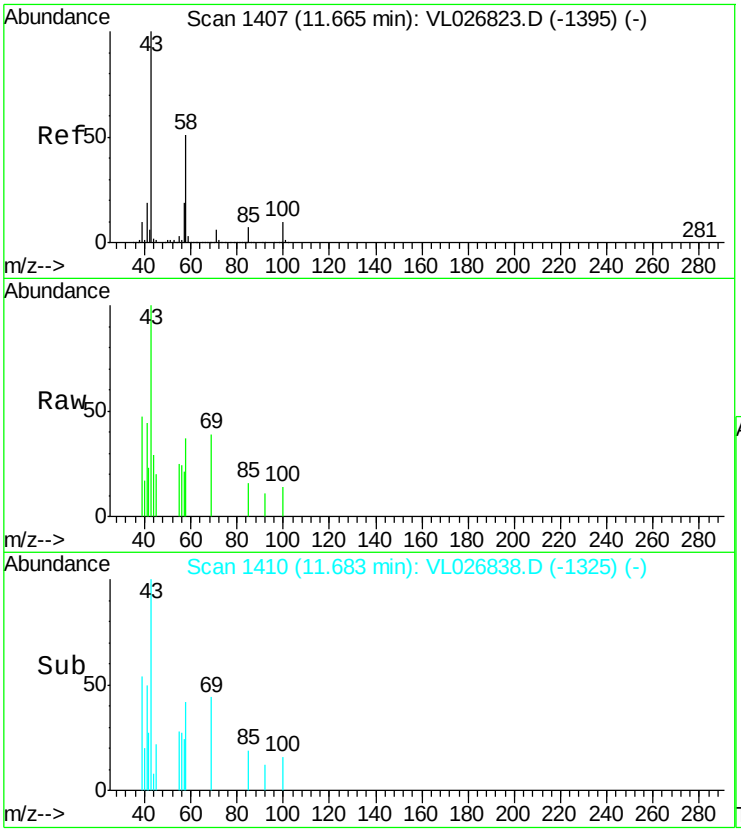


#50
4-Methyl-2-Pentanone
Concen: 0.08 ppbv
RT: 10.14 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 43 Resp: 18055

Ion	Ratio	Lower	Upper
43	100		
58	34.5	30.3	45.5



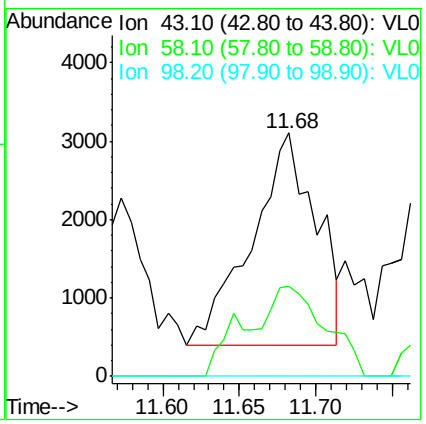


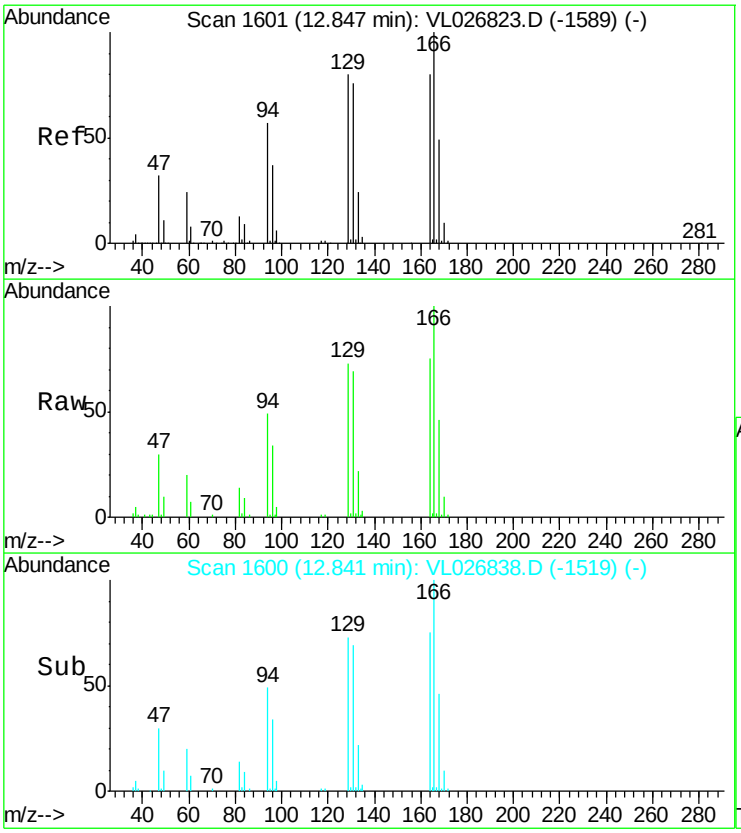
#51
2-Hexanone
Concen: 0.04 ppbv
RT: 11.68 min Scan# 1410
Delta R.T. 0.02 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 43 Resp: 7910

Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.4	60.6
98	0.0	0.2	0.4#

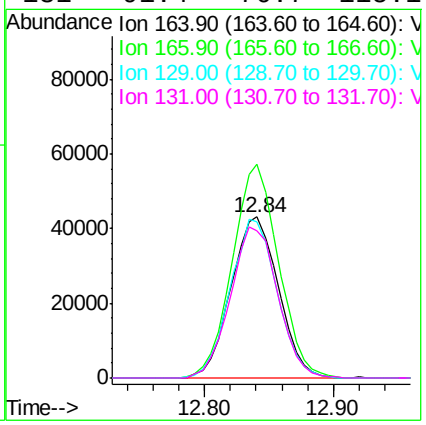


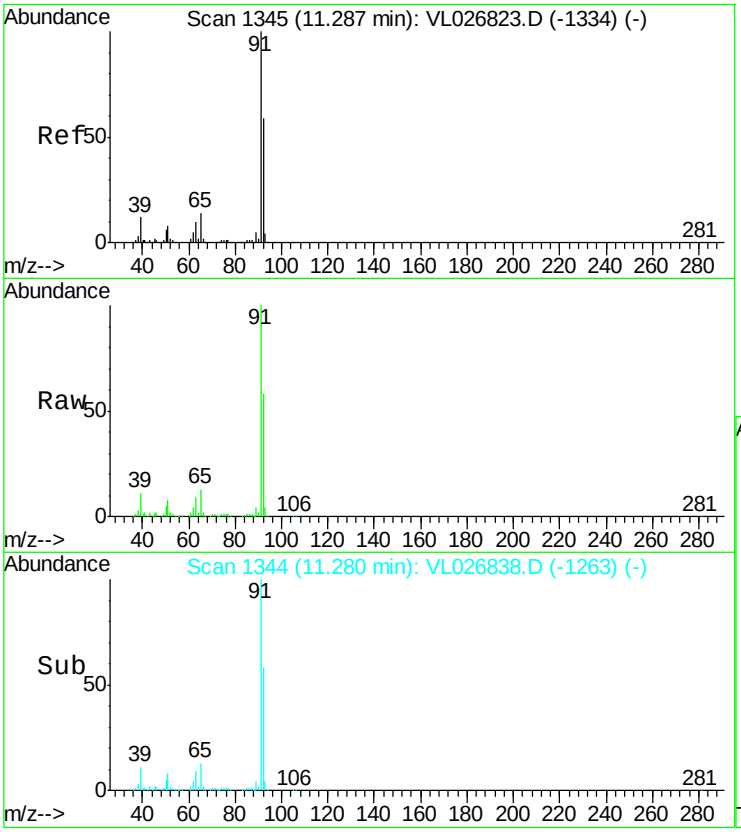


#52
Tetrachloroethene
Concen: 0.90 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:164 Resp: 110019

Ion	Ratio	Lower	Upper
164	100		
166	132.0	100.3	150.5
129	97.2	80.0	120.0
131	91.4	76.7	115.1



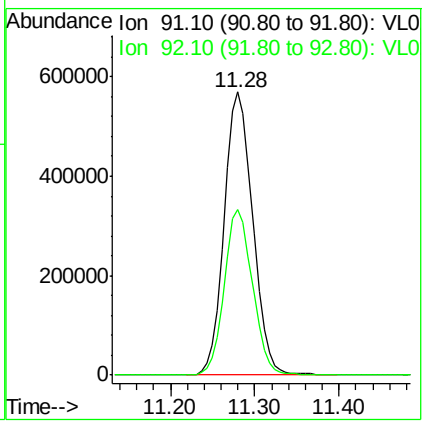


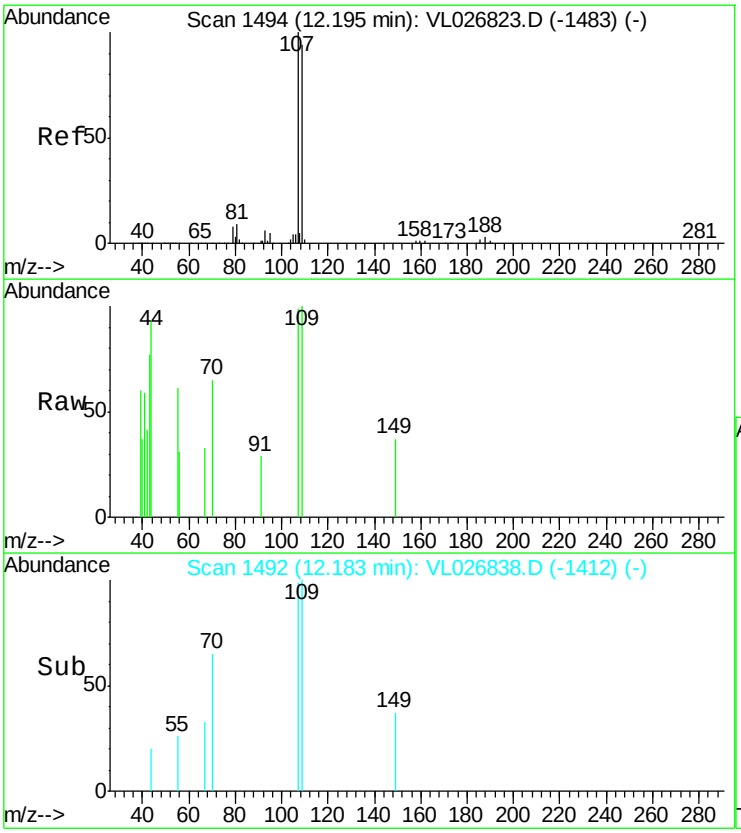
#53
Toluene
Concen: 3.78 ppbv
RT: 11.28 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 91 Resp: 1316261

Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.3	70.9

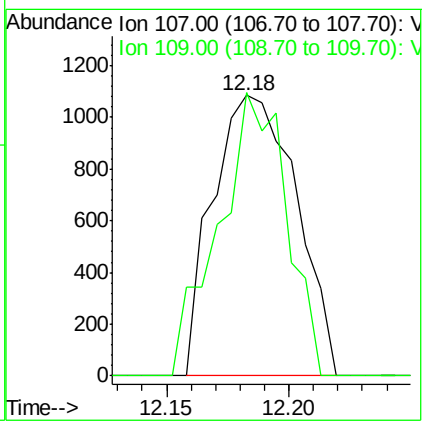


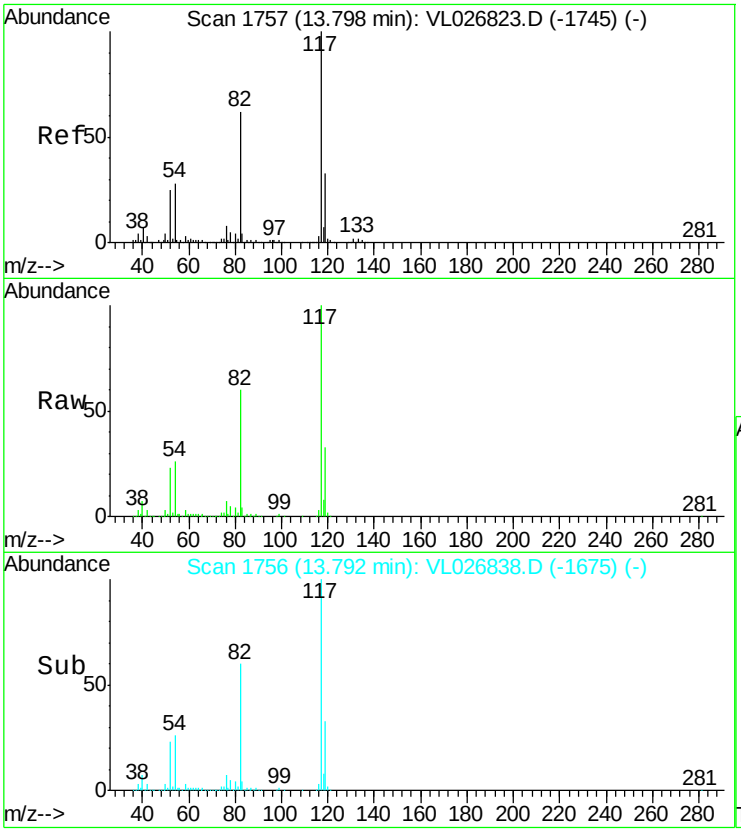


#54
1,2-Dibromoethane
Concen: 0.01 ppbv
RT: 12.18 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:107 Resp: 2575

Ion	Ratio	Lower	Upper
107	100		
109	100.9	75.0	112.4



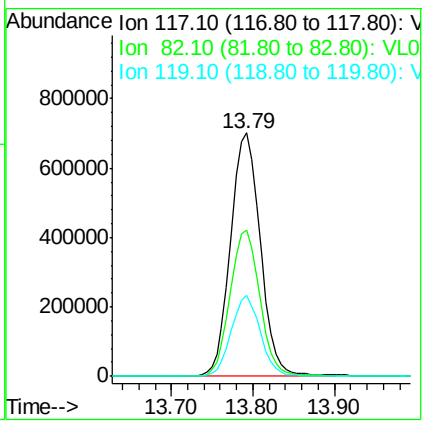


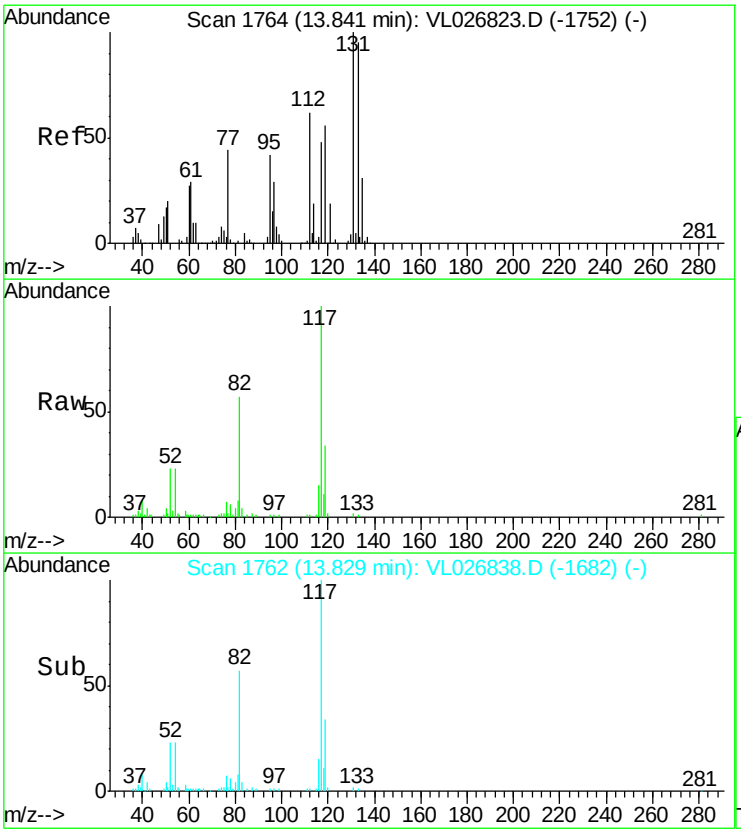
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:117 Resp: 1776074

Ion	Ratio	Lower	Upper
117	100		
82	60.7	51.9	77.9
119	32.6	48.5	72.7#

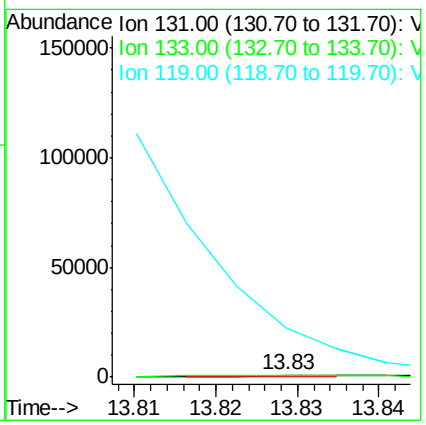


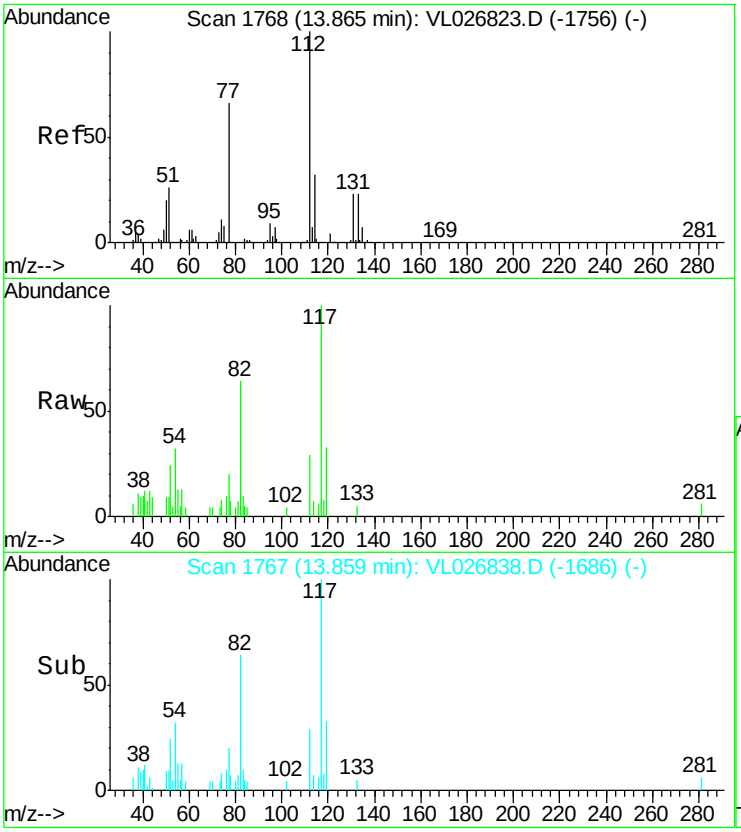


#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:131 Resp: 766

Ion	Ratio	Lower	Upper
131	100		
133	235.0	76.4	114.6#
119	0.0	99.8	149.8#



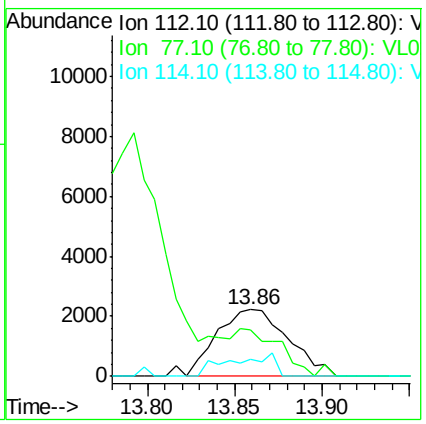


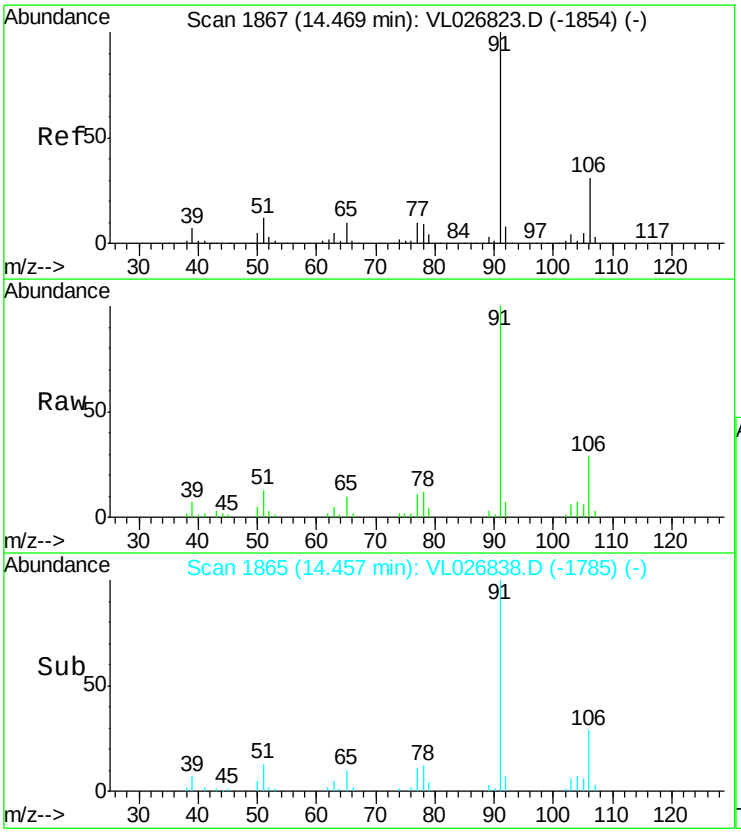
#57
Chlorobenzene
Concen: 0.04 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:112 Resp: 6356

Ion	Ratio	Lower	Upper
112	100		
77	68.8	53.3	79.9
114	25.1	28.9	35.3#

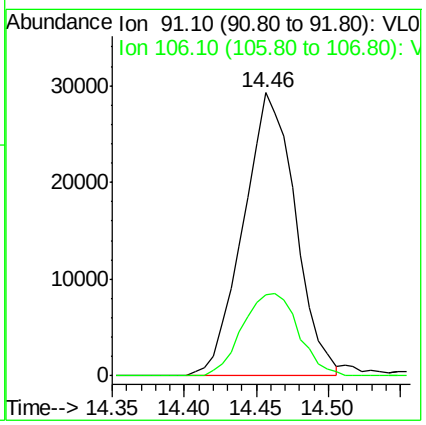


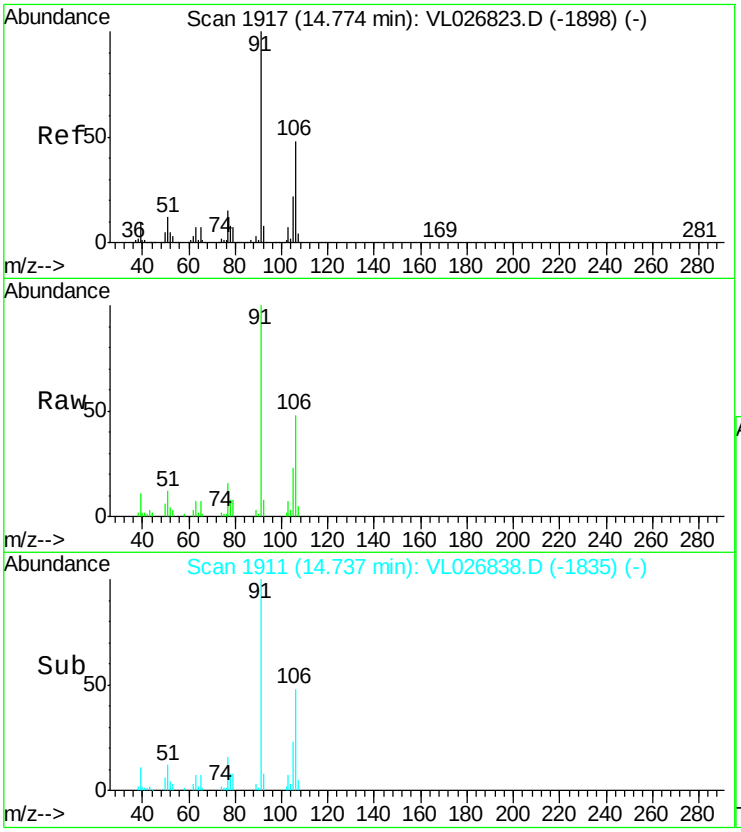


#58
Ethyl Benzene
Concen: 0.34 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 91 Resp: 73443

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.9	37.3



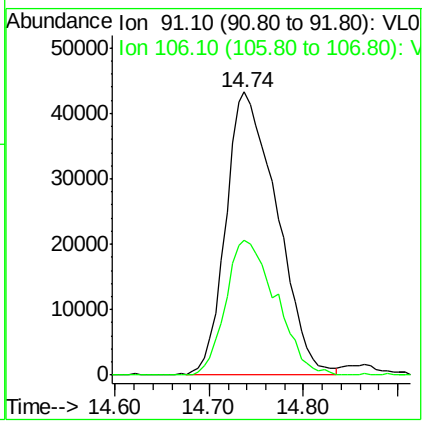


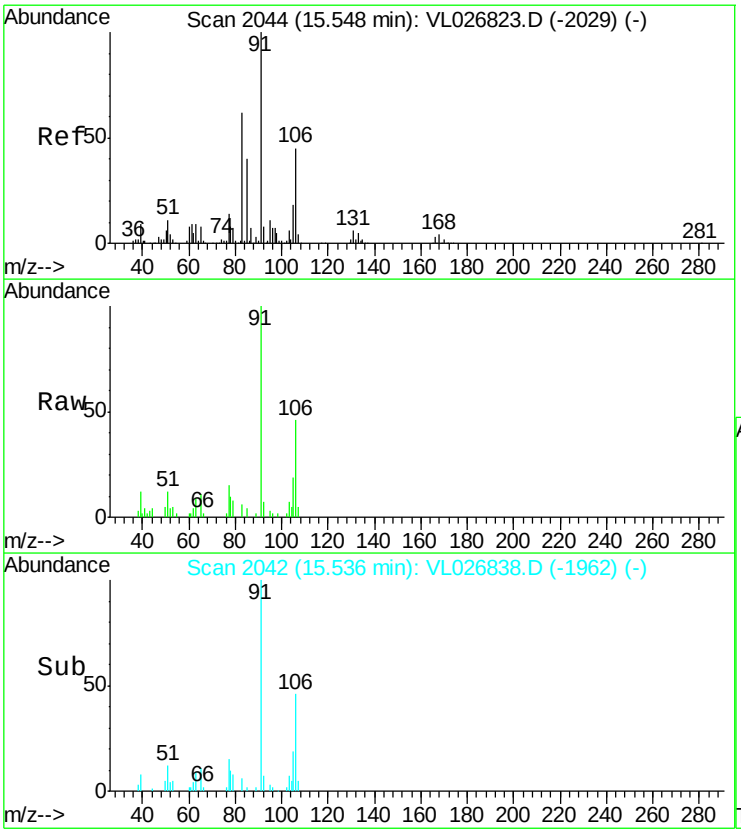
#59
m/p-Xylene
Concen: 0.89 ppbv
RT: 14.74 min Scan# 1911
Delta R.T. -0.04 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 91 Resp: 163225

Ion	Ratio	Lower	Upper
91	100		
106	47.0	38.2	57.2

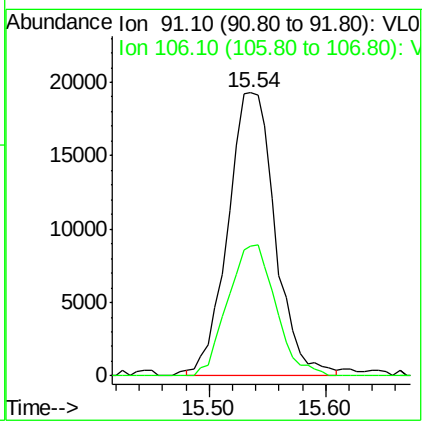


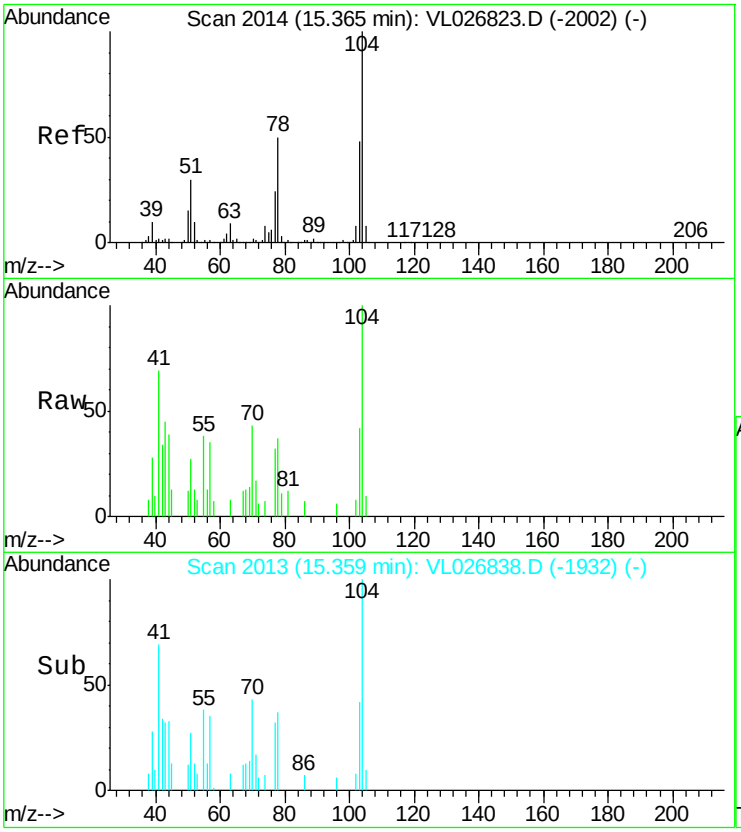


#60
o-Xylene
Concen: 0.27 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 91 Resp: 54630

Ion	Ratio	Lower	Upper
91	100		
106	46.5	22.3	66.8



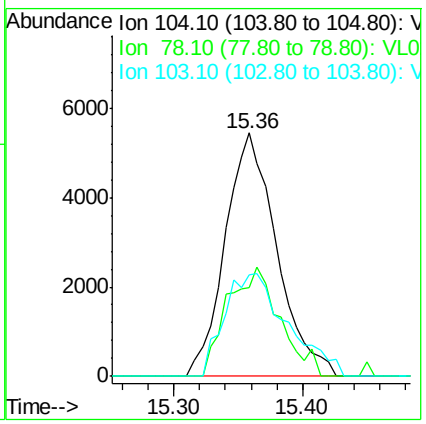


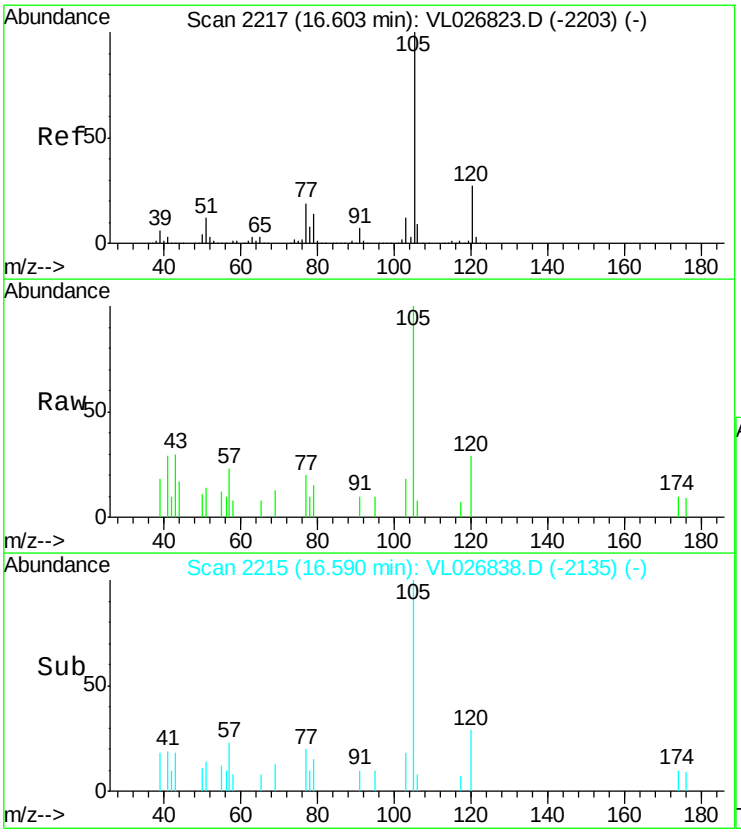
#61
Styrene
Concen: 0.22 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:104 Resp: 15139

Ion	Ratio	Lower	Upper
104	100		
78	45.4	39.8	59.6
103	51.6	38.2	57.4

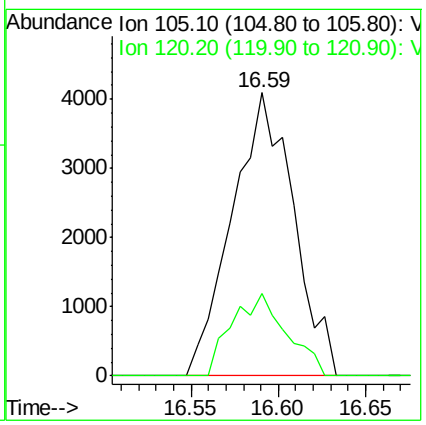


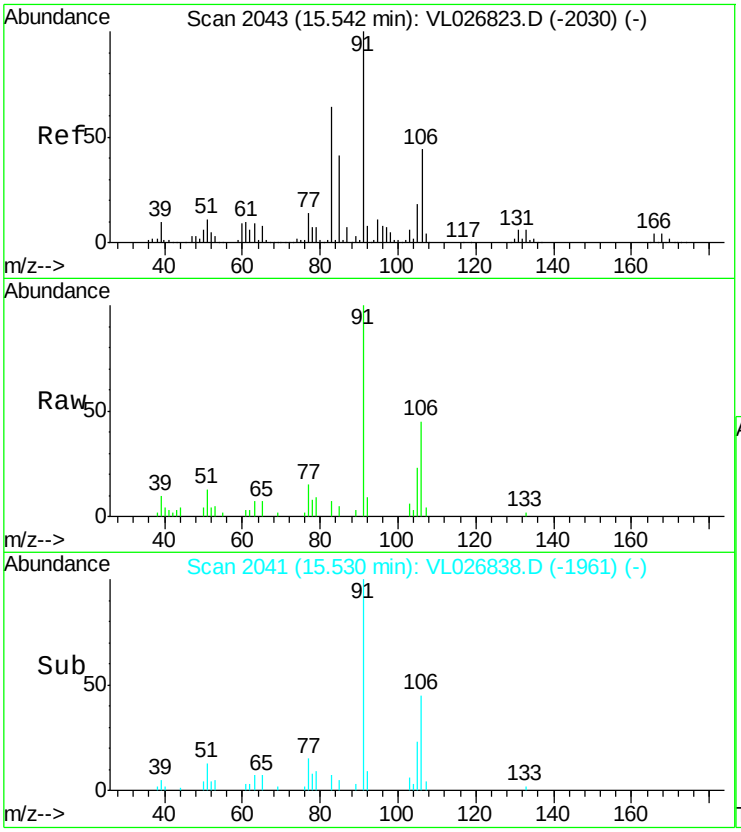


#62
Isopropylbenzene
Concen: 0.04 ppbv
RT: 16.59 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:105 Resp: 9997

Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4



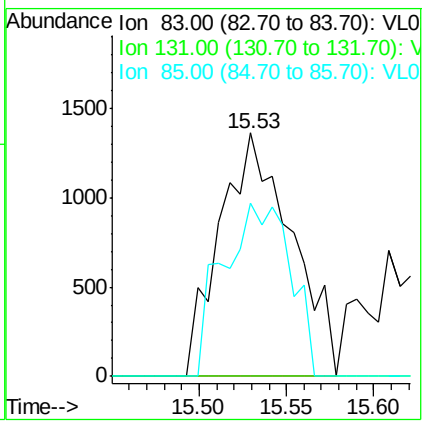


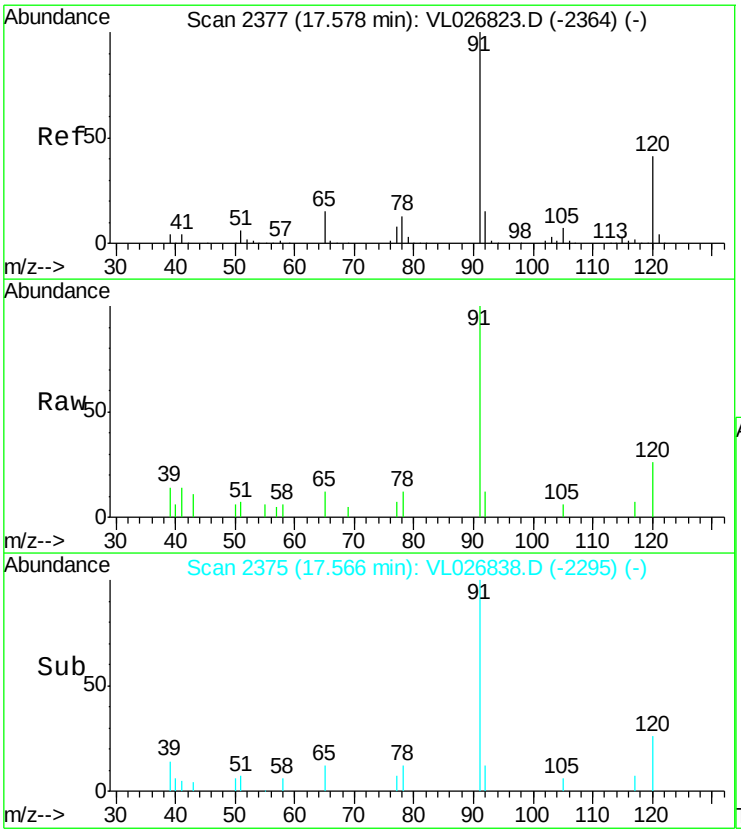
#63
1,1,2,2-Tetrachloroethane
Concen: 0.03 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion: 83 Resp: 3888

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.1#
85	67.3	32.3	96.9

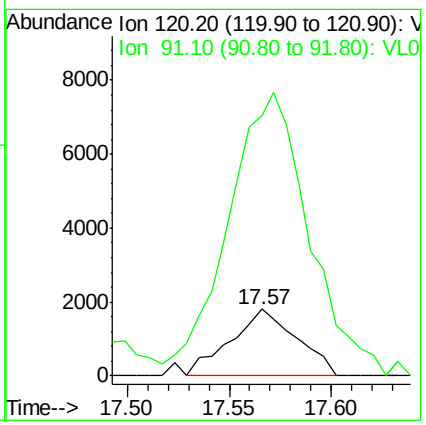


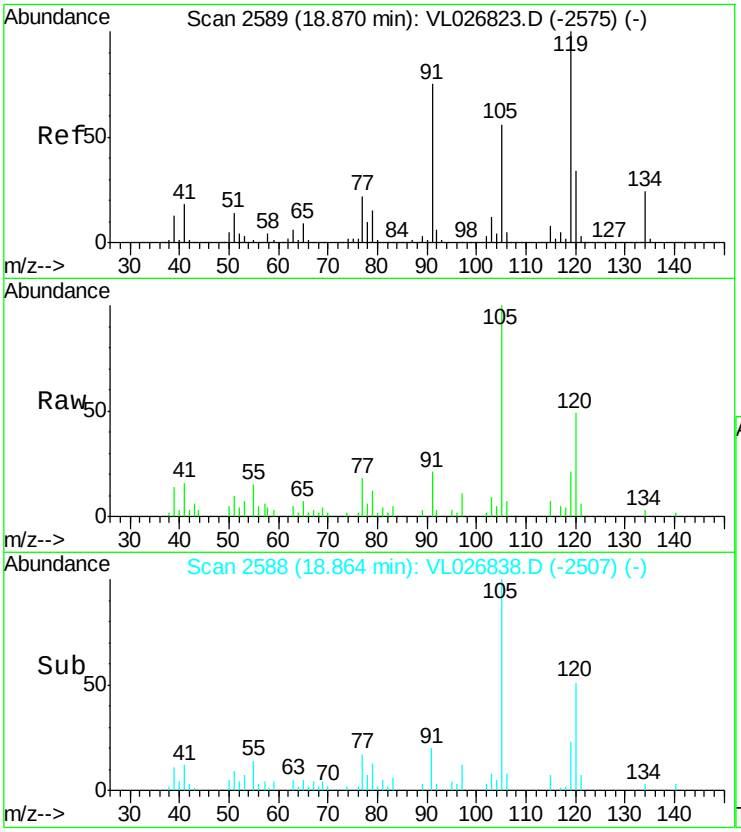


#64
n-propylbenzene
Concen: 0.07 ppbv
RT: 17.57 min Scan# 2375
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:120 Resp: 4064

Ion	Ratio	Lower	Upper
120	100		
91	533.0	363.0	544.6



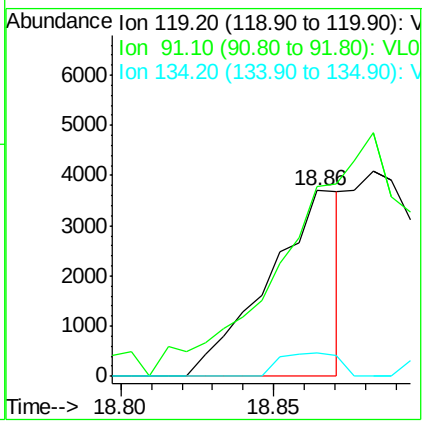


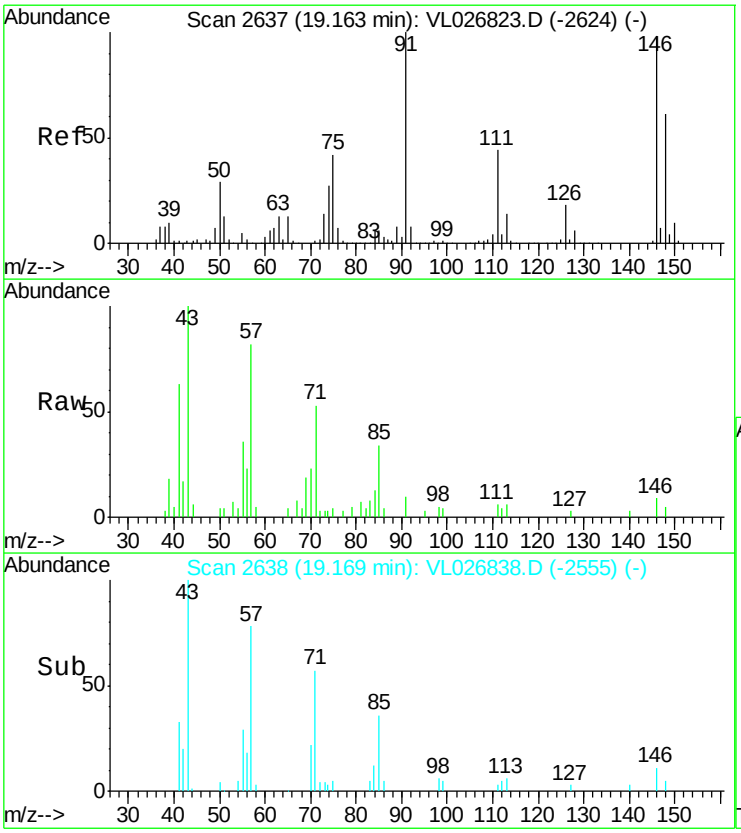
#65
tert-Butylbenzene
Concen: 0.03 ppbv
RT: 18.86 min Scan# 2588
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:119 Resp: 6085

Ion	Ratio	Lower	Upper
119	100		
91	0.0	61.5	92.3#
134	10.2	17.9	26.9#

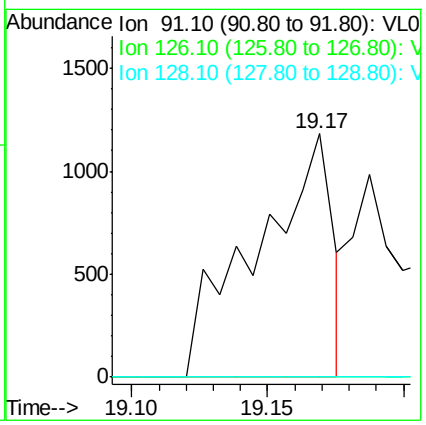


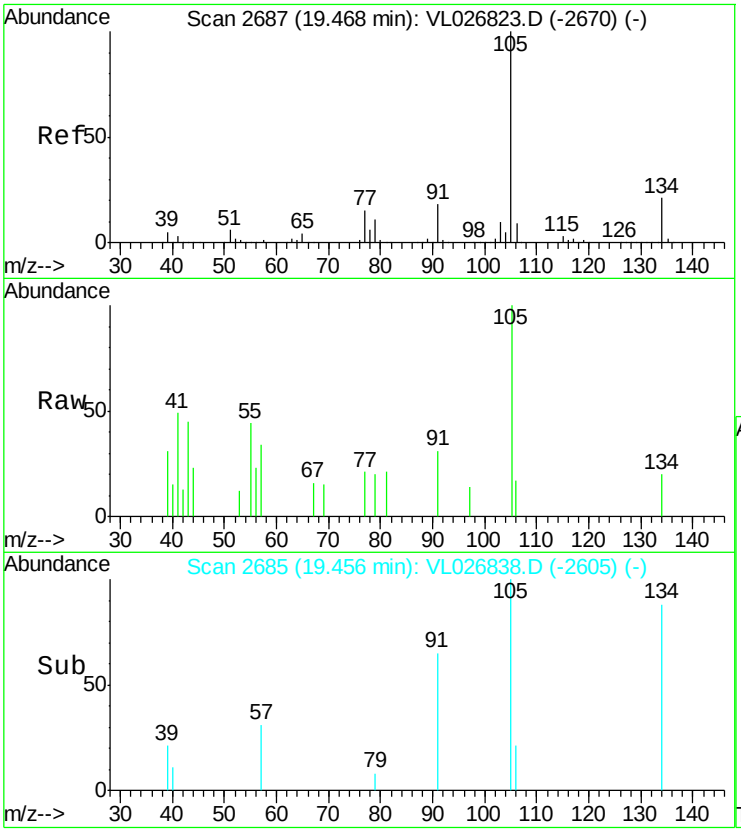


#66
Benzyl Chloride
Concen: 0.03 ppbv
RT: 19.17 min Scan# 2638
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 91 Resp: 2285

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



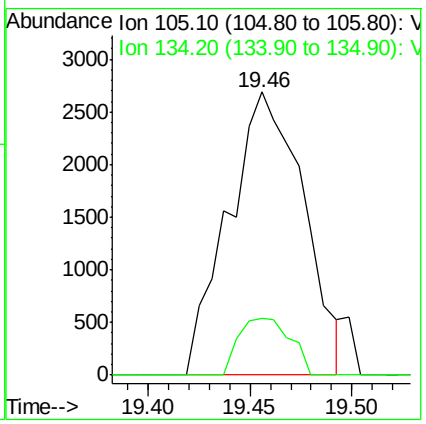


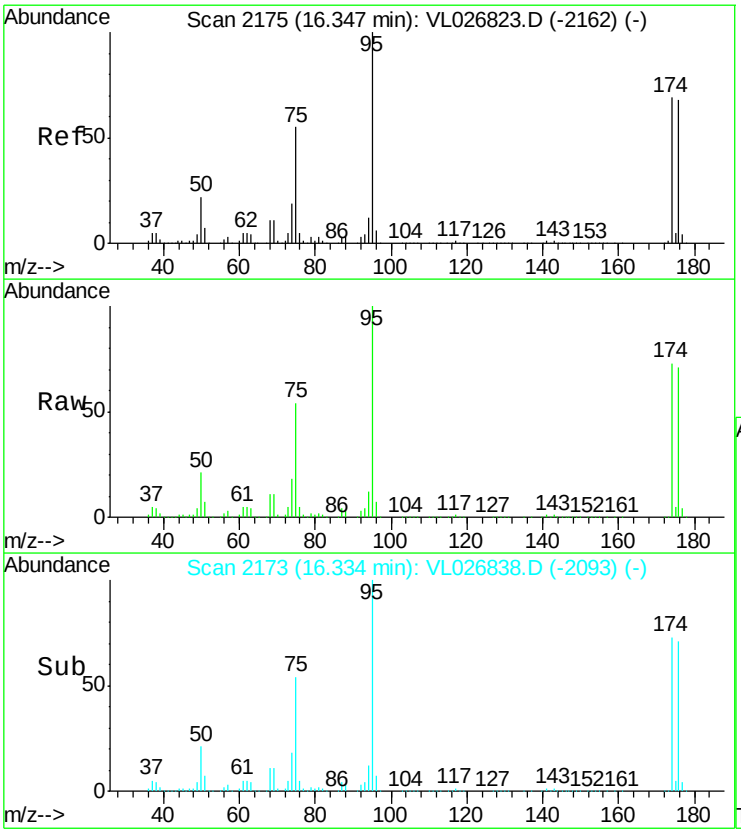
#67
sec-Butylbenzene
Concen: 0.02 ppbv
RT: 19.46 min Scan# 2685
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:105 Resp: 6902

Ion	Ratio	Lower	Upper
105	100		
134	13.8	16.1	24.1#

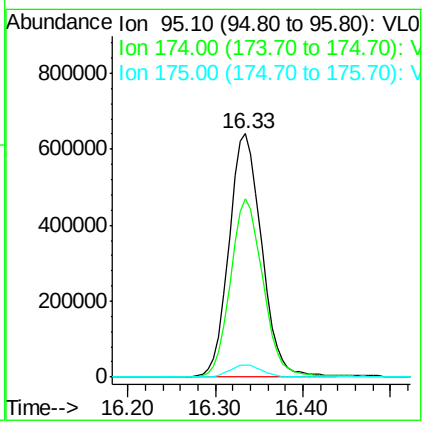


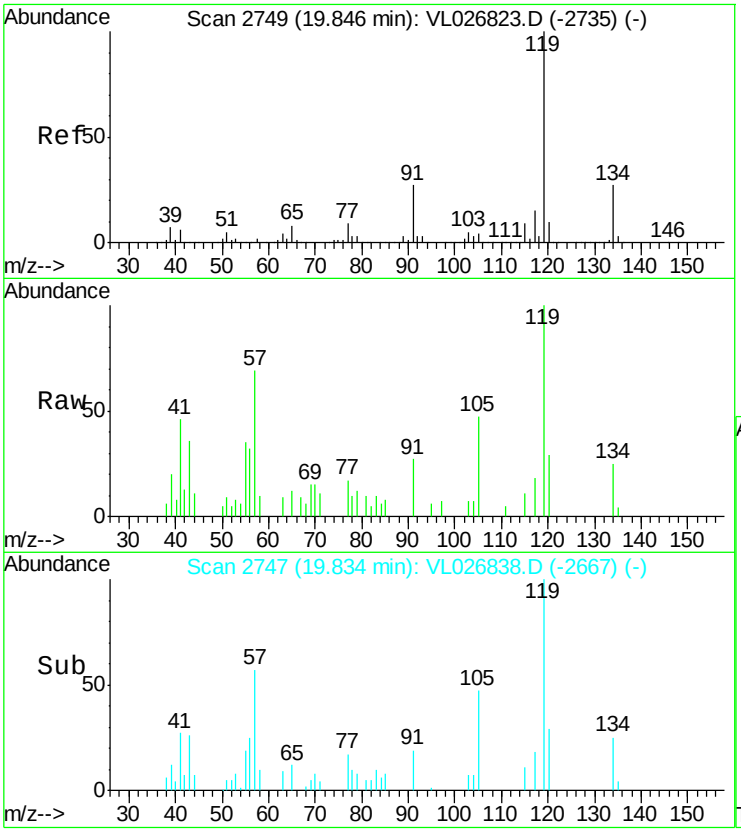


#68
1-Bromo-4-Fluorobenzene
Concen: 13.10 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 95 Resp: 1670253

Ion	Ratio	Lower	Upper
95	100		
174	73.4	55.6	83.4
175	5.1	3.9	5.9



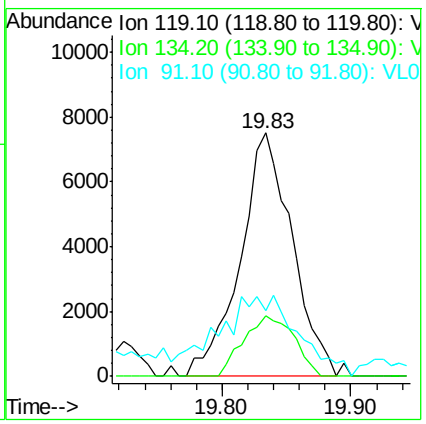


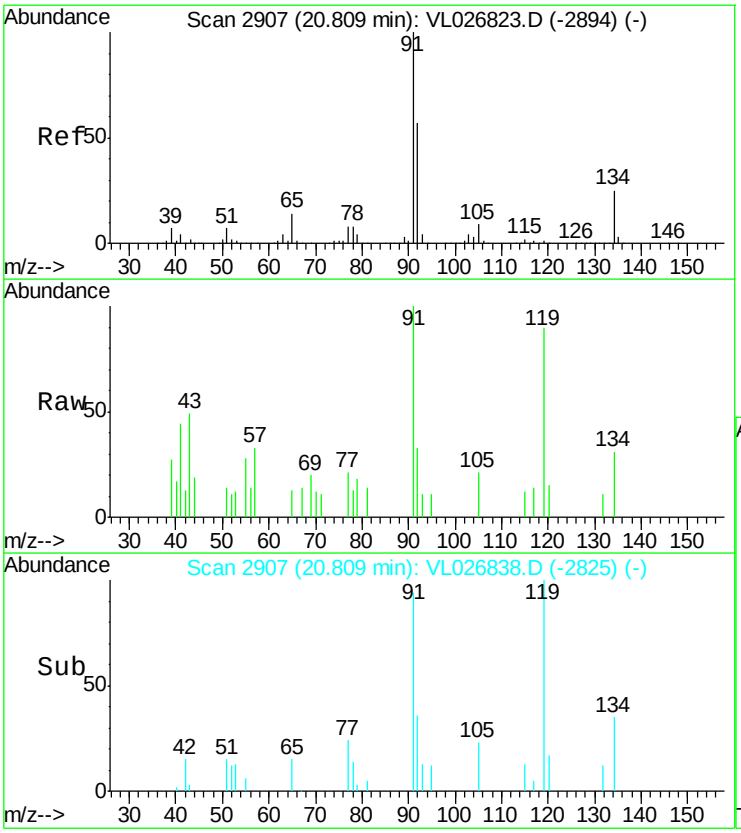
#69
p-Isopropyltoluene
Concen: 0.09 ppbv
RT: 19.83 min Scan# 2747
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:119 Resp: 20956

Ion	Ratio	Lower	Upper
119	100		
134	24.1	21.3	31.9
91	52.0	21.5	32.3#

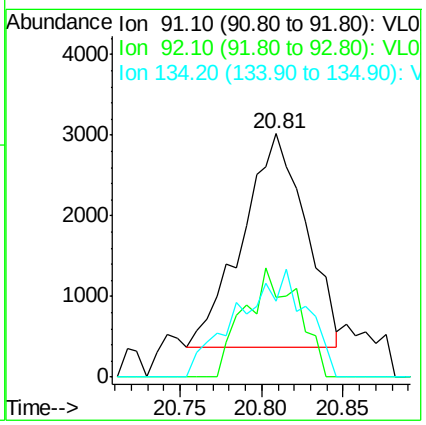


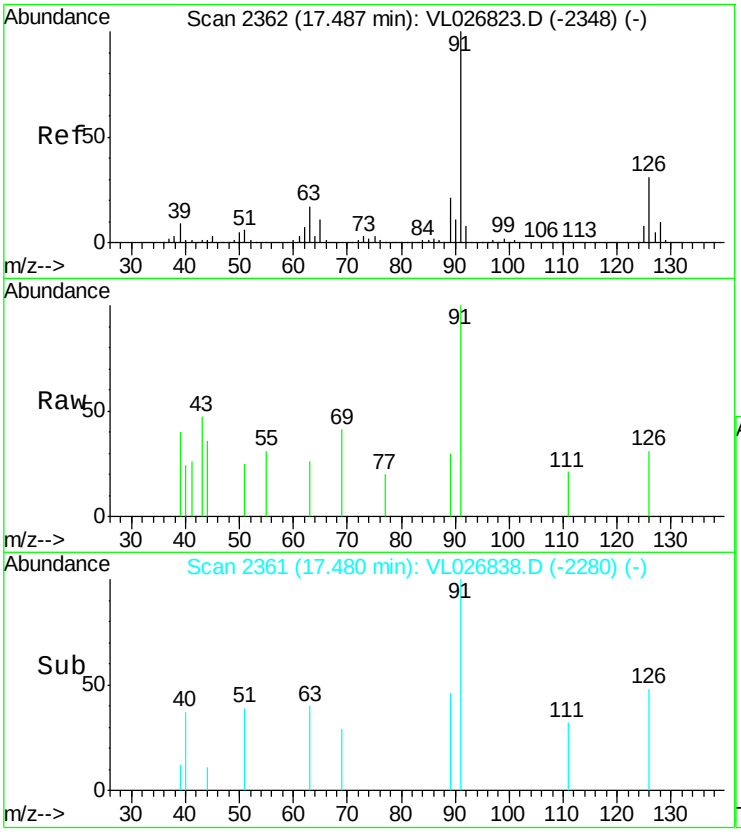


#70
n-Butylbenzene
Concen: 0.03 ppbv
RT: 20.81 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion: 91 Resp: 7207

Ion	Ratio	Lower	Upper
91	100		
92	42.7	44.2	66.4#
134	54.3	19.3	28.9#



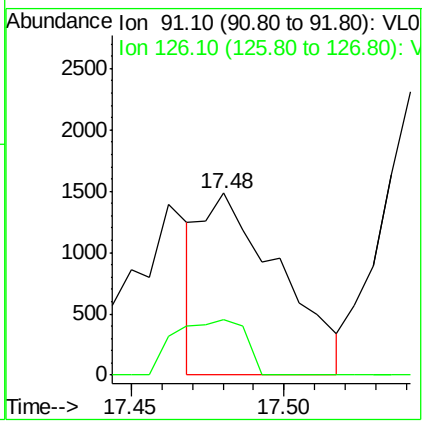


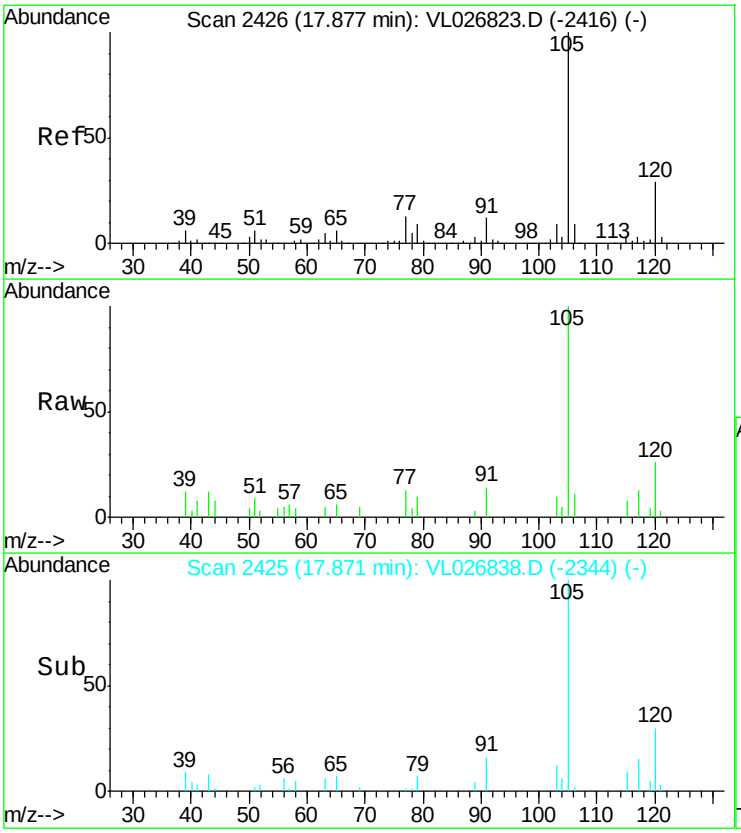
#71
2-Chlorotoluene
Concen: 0.02 ppbv
RT: 17.48 min Scan# 2361
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion: 91 Resp: 2639

Ion	Ratio	Lower	Upper
91	100		
126	27.5	12.2	48.8

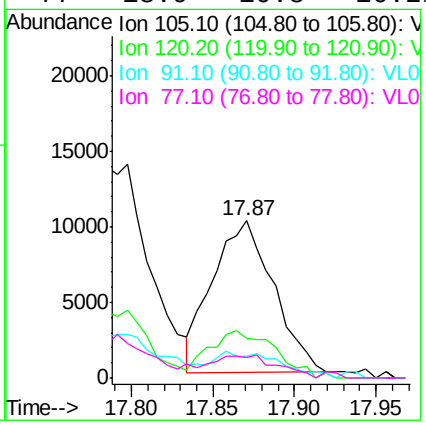


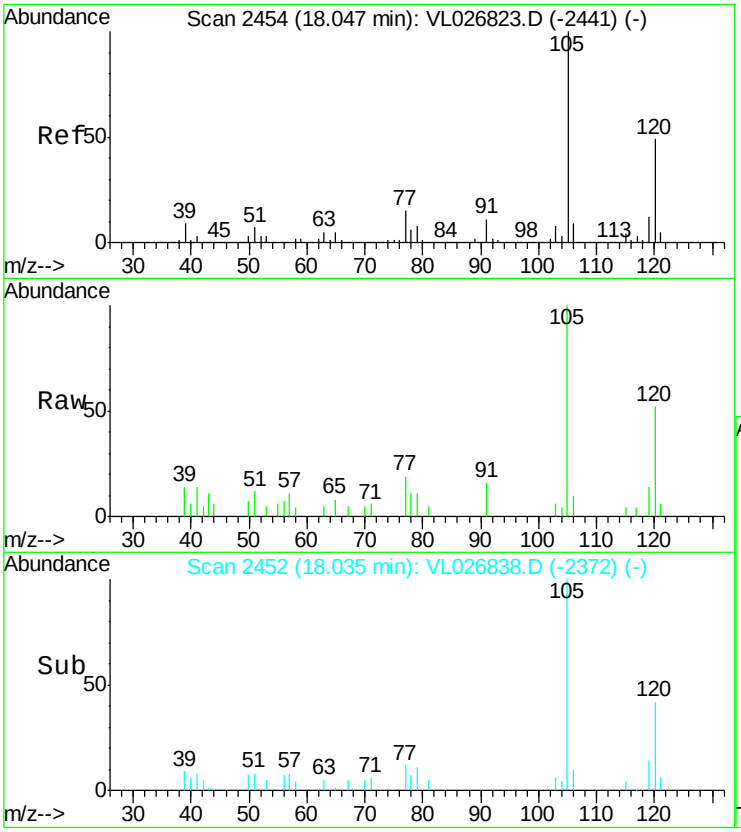


#72
4-Ethyltoluene
Concen: 0.14 ppbv
RT: 17.87 min Scan# 2425
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:105 Resp: 26109

Ion	Ratio	Lower	Upper
105	100		
120	34.3	23.8	35.6
91	18.7	10.2	15.4#
77	18.9	10.8	16.2#



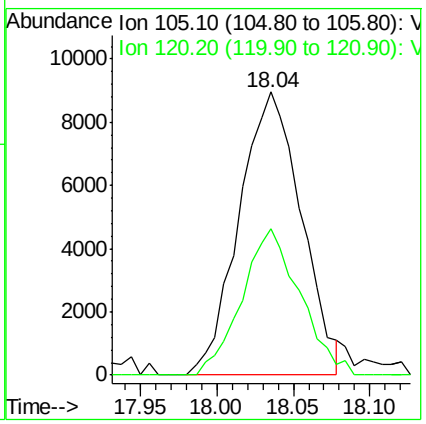


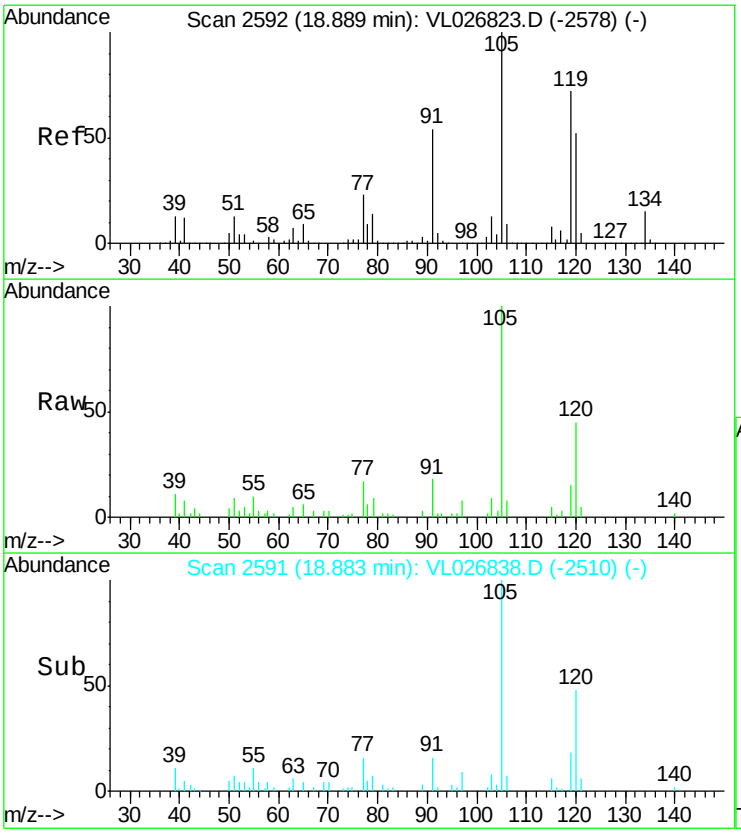
#73
1,3,5-Trimethylbenzene
Concen: 0.14 ppbv
RT: 18.04 min Scan# 2452
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:105 Resp: 25330

Ion	Ratio	Lower	Upper
105	100		
120	51.6	39.4	59.0

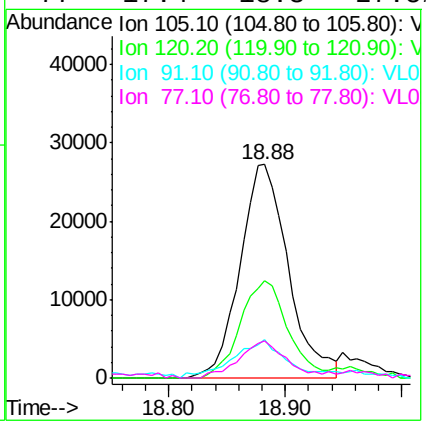


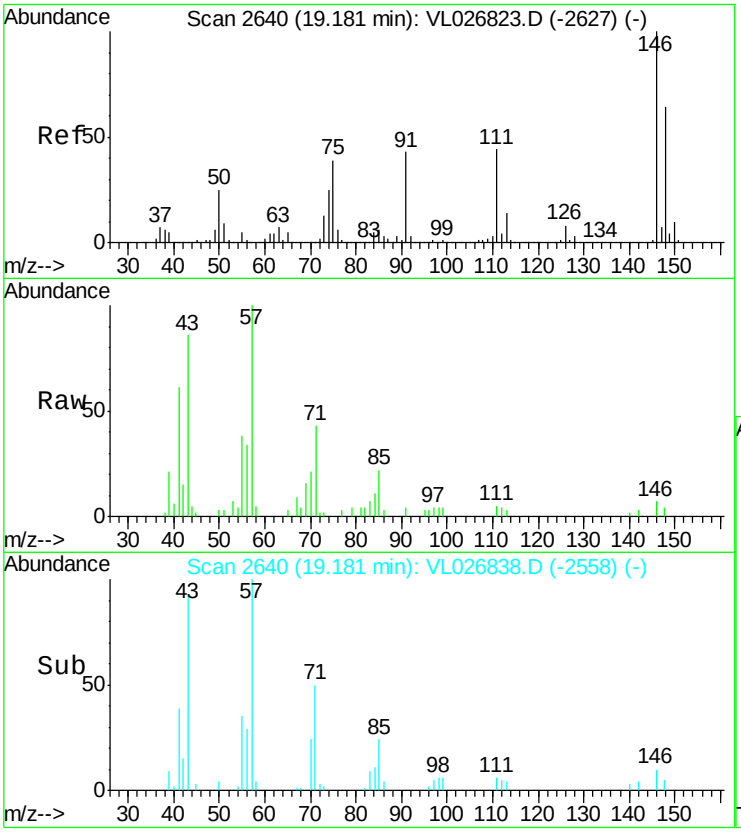


#74
1,2,4-Trimethylbenzene
Concen: 0.39 ppbv
RT: 18.88 min Scan# 2591
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:105 Resp: 78712

Ion	Ratio	Lower	Upper
105	100		
120	45.4	41.3	61.9
91	15.6	43.3	64.9#
77	17.4	18.3	27.5#



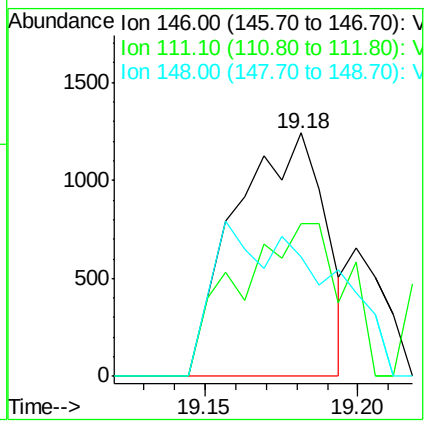


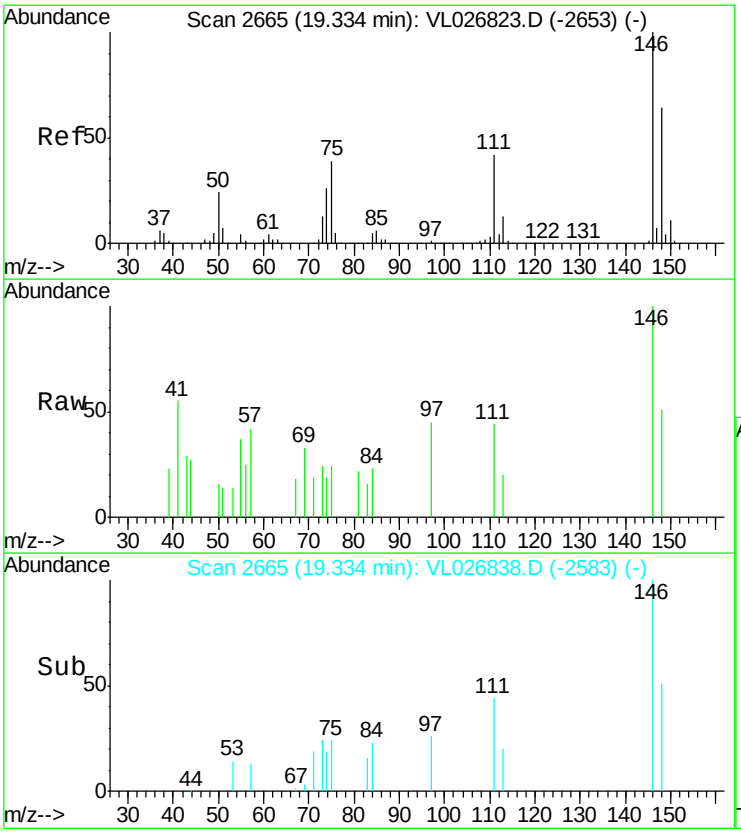
#75
1,3-Dichlorobenzene
Concen: 0.02 ppbv
RT: 19.18 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:146 Resp: 2545

Ion	Ratio	Lower	Upper
146	100		
111	73.7	22.1	66.3#
148	78.8	32.2	96.6

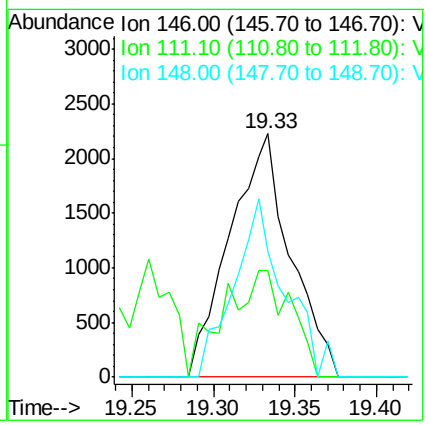


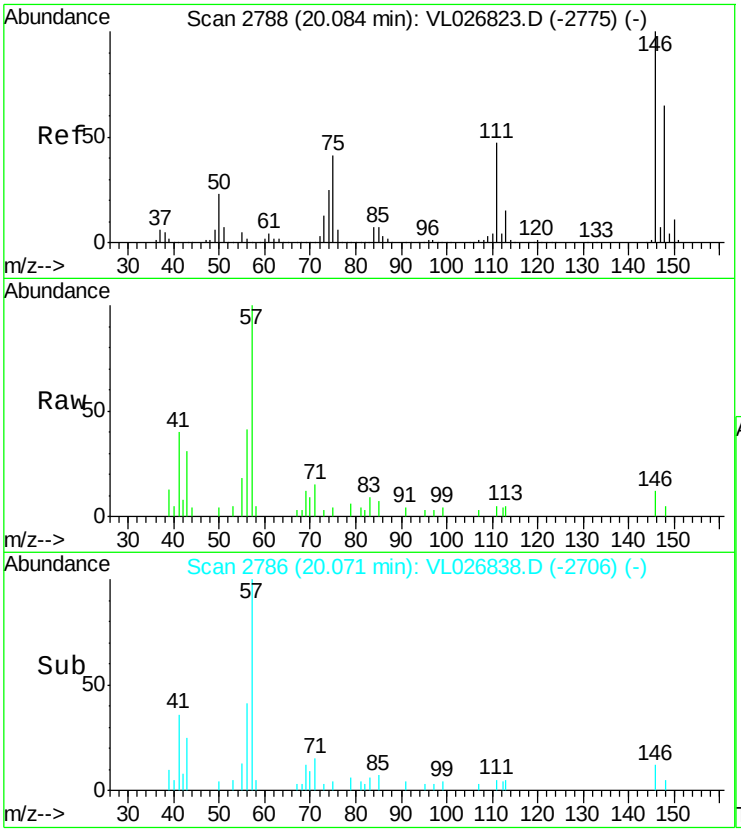


#76
1,4-Dichlorobenzene
Concen: 0.05 ppbv
RT: 19.33 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:146 Resp: 5779

Ion	Ratio	Lower	Upper
146	100		
111	48.1	21.6	64.8
148	61.4	32.2	96.6



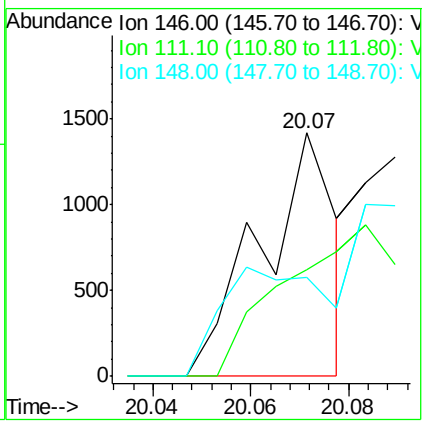


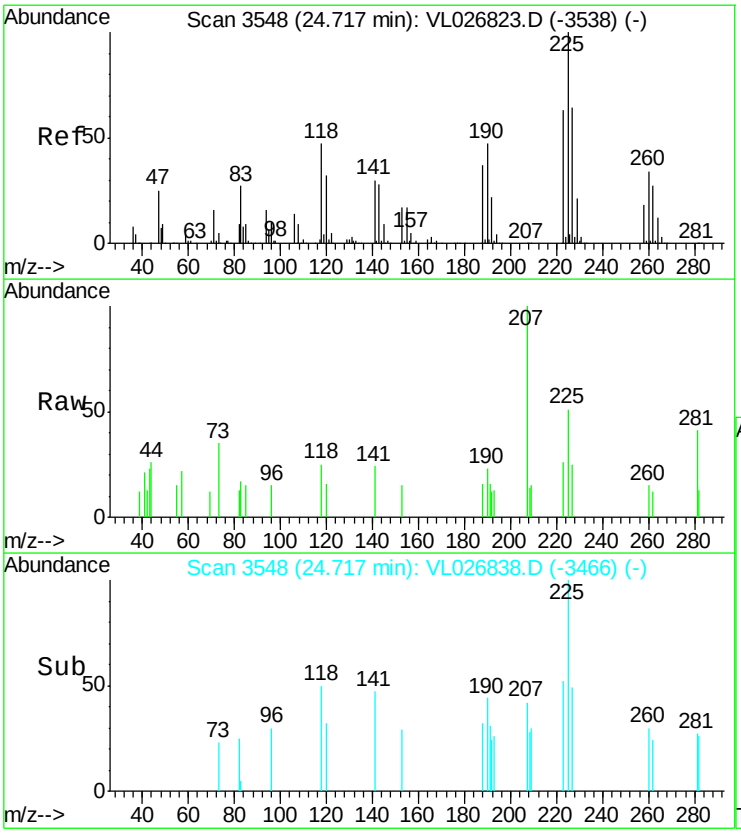
#77
1,2-Dichlorobenzene
Concen: 0.01 ppbv
RT: 20.07 min Scan# 2786
Delta R.T. -0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:146 Resp: 1516

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.1	69.3#
148	0.0	32.1	96.5#

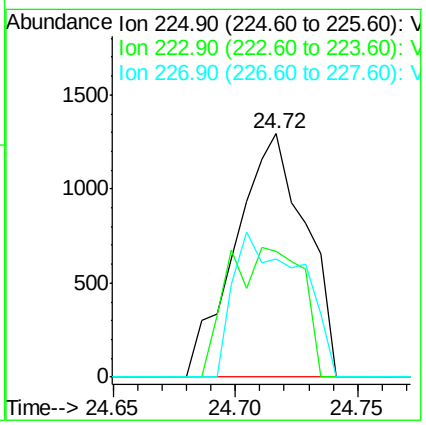


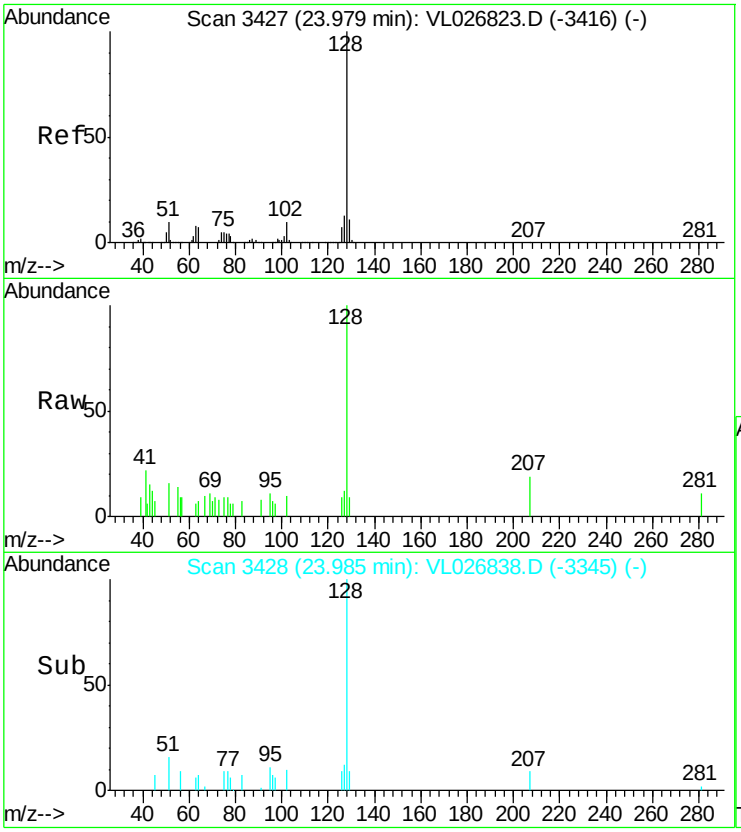


#78
Hexachloro-1,3-Butadiene
Concen: 0.05 ppbv
RT: 24.72 min Scan# 3548
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:225 Resp: 2581

Ion	Ratio	Lower	Upper
225	100		
223	57.0	50.2	75.2
227	56.8	52.1	78.1



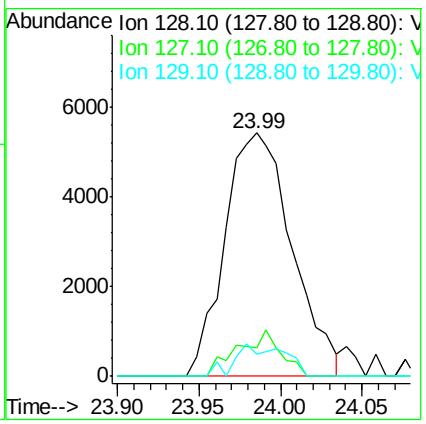


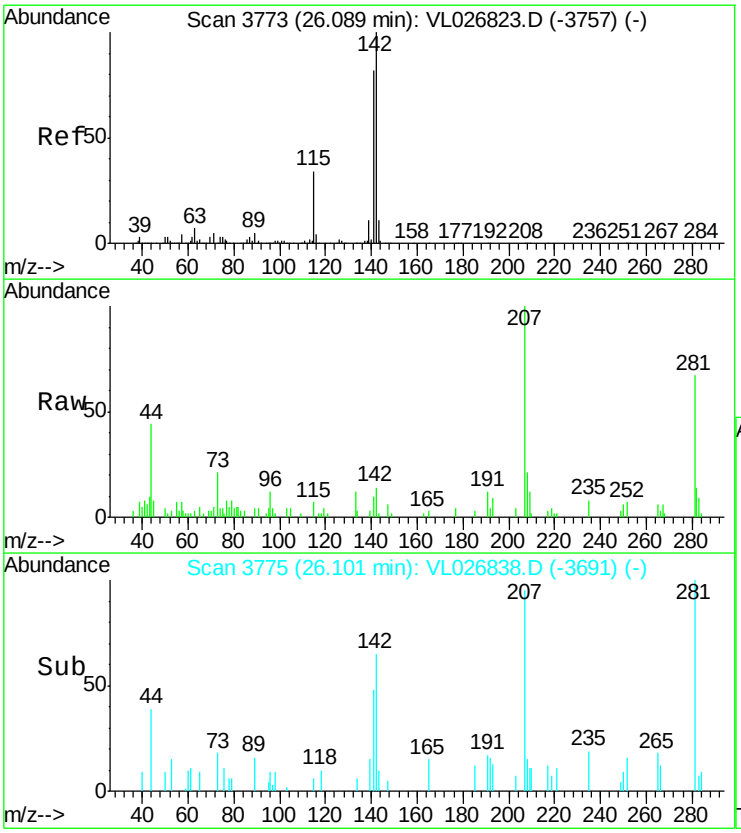
#79
Naphthalene
Concen: 0.16 ppbv
RT: 23.99 min Scan# 3428
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument : MSVOA_L
ClientSampleId : IAS-1

Tgt Ion:128 Resp: 15499

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.0	15.0
129	9.4	8.7	13.1

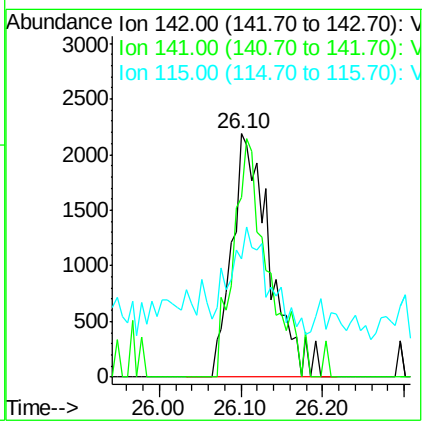


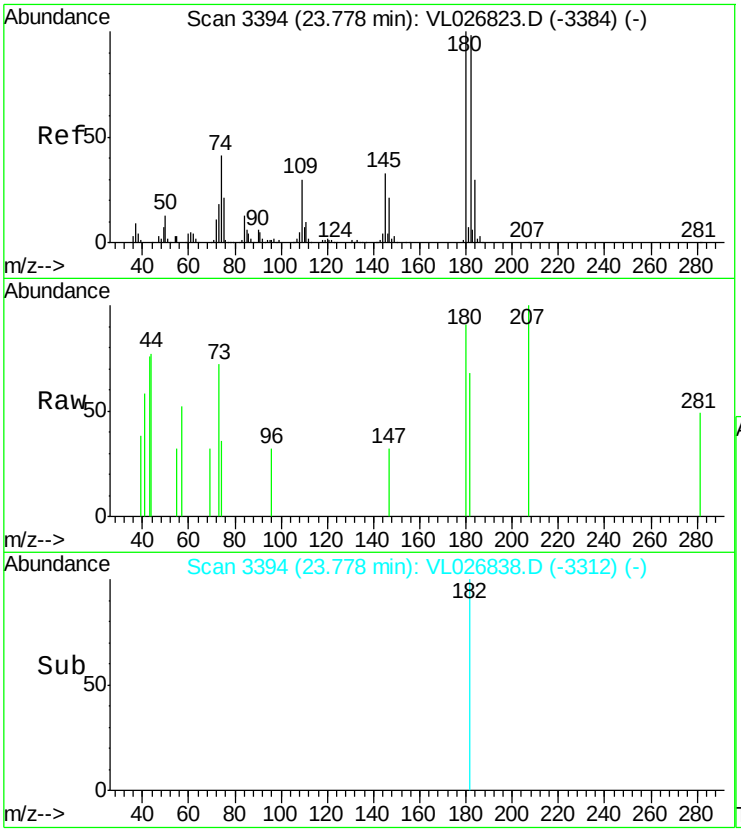


#80
Naphthalene,2-methyl-
Concen: 0.18 ppbv
RT: 26.10 min Scan# 3775
Delta R.T. 0.01 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Tgt Ion:142 Resp: 7007

Ion	Ratio	Lower	Upper
142	100		
141	89.5	67.2	100.8
115	67.4	27.5	41.3#





#81
1,2,4-Trichlorobenzene
Concen: 0.03 ppbv
RT: 23.78 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL026838.D
Acq: 10 Feb 2016 3:32

Instrument :
MSVOA_L
ClientSampleId :
IAS-1

Tgt Ion:180 Resp: 1771

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