Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026851.D
Acq On : 10 Feb 2016 13:42
Operator : SY/AP
Sample : H1388-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Quant Time: Feb 10 14:42:25 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	6.68	49	1608162	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	8.36	114	4709758	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.79	117	4606388	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	3275946	9.91	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	10594	0.03	ppbv		94
3) Chlorodifluoromethane	3.60	51	564964	2.17	ppbv		98
4) Chloromethane	3.78	50	3427	0.03	ppbv		94
8) Dichlorotetrafluoroethane	3.67	85	10594	0.03	ppbv	#	10
9) Propene	3.64	41	10493	0.15	ppbv		85
13) Ethanol	4.36	45	326115	26.90	ppbv		97
15) Acetone	4.63	43	1769451	8.01	ppbv		99
16) 1,3-Butadiene	3.98	39	4970	0.06	ppbv	#	3
19) Isopropyl Alcohol	4.81	45	152291	1.93	ppbv	#	1
20) Methylene Chloride	5.18	84	18966	0.17	ppbv		92
23) Vinyl Acetate	6.03	43	11313	0.04	ppbv	#	84
25) Ethyl Acetate	6.73	43	27232	0.08	ppbv	#	95
26) Hexane	6.70	57	10618	0.06	ppbv	#	59
30) Cyclohexane	8.34	84	13679	0.09	ppbv	#	1
34) 2-Butanone	6.26	43	9442	0.04	ppbv	#	73
51) 2-Hexanone	11.96	43	121543	0.53	ppbv	#	27
53) Toluene	11.28	91	32053	0.08	ppbv		97

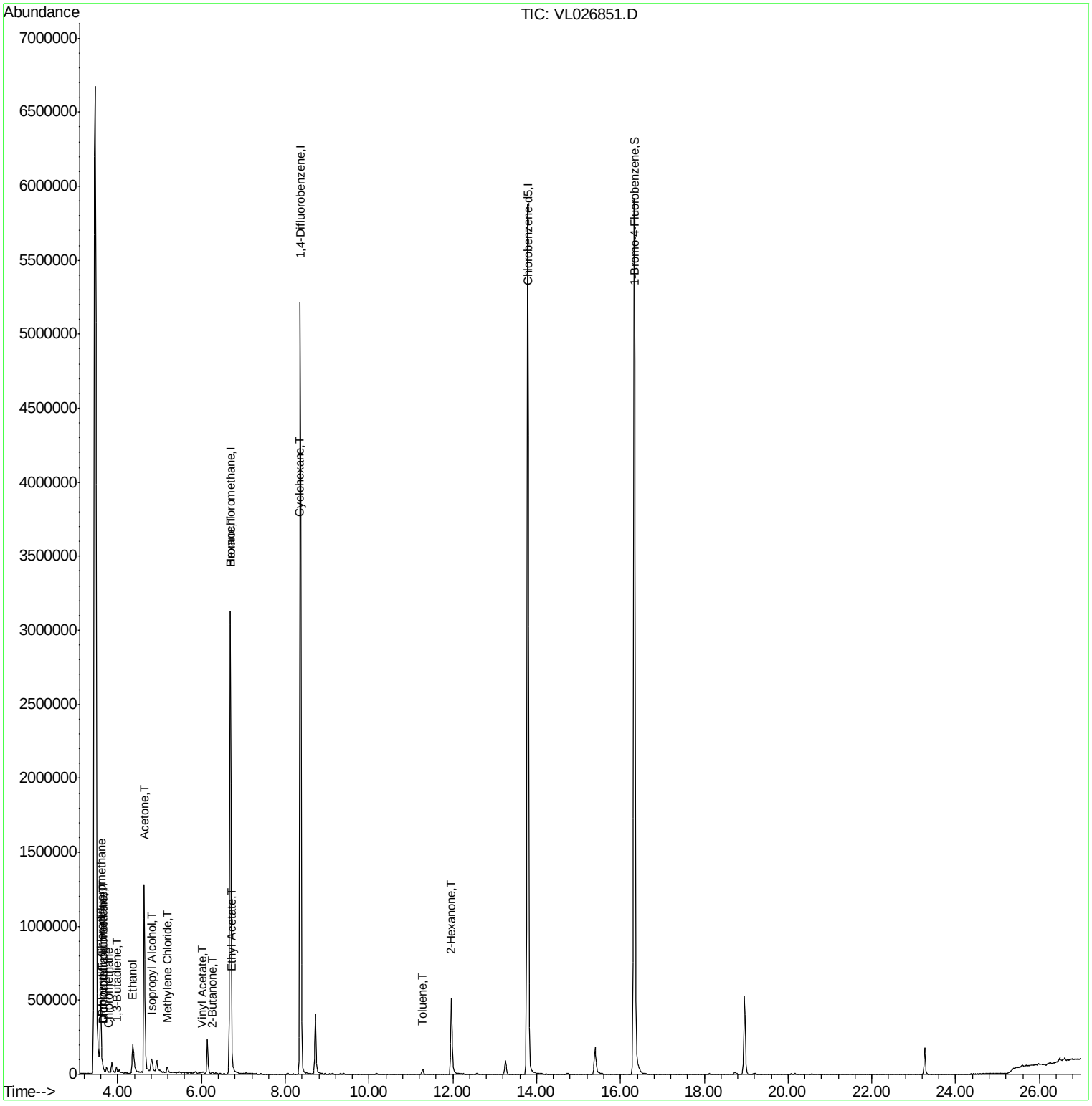
(#) = qualifier out of range (m) = manual integration (+) = signals summed

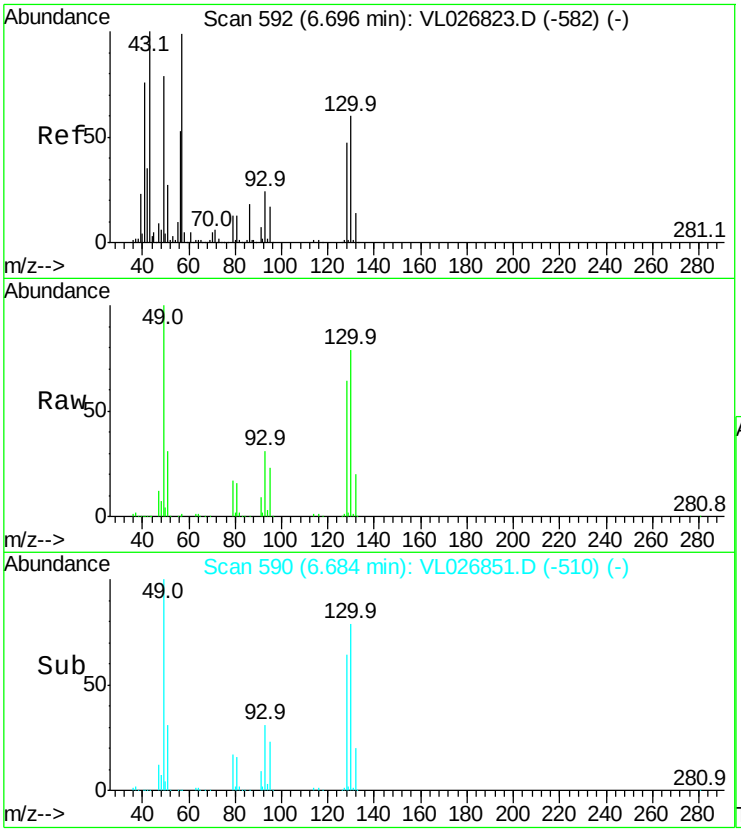
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026851.D
Acq On : 10 Feb 2016 13:42
Operator : SY/AP
Sample : H1388-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Quant Time: Feb 10 14:42:25 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



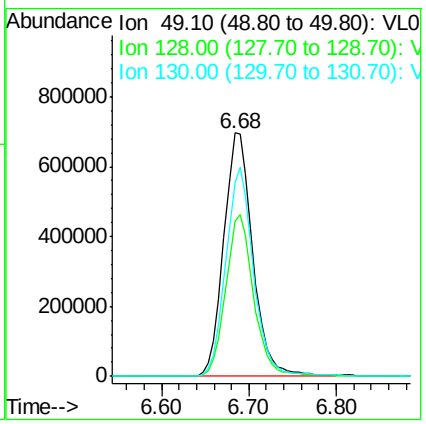


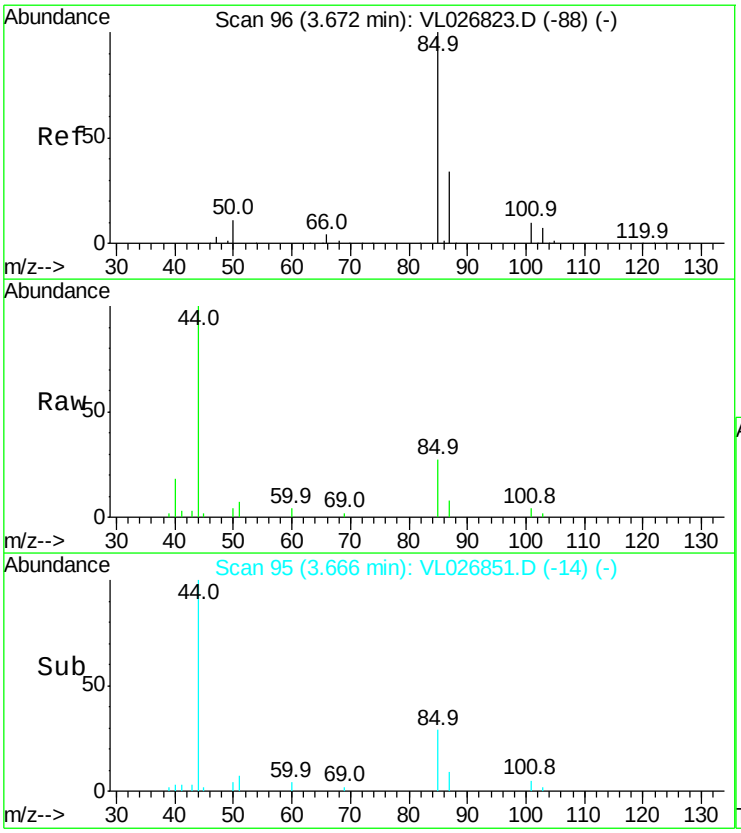
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.68 min Scan# 590
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Tgt Ion: 49 Resp: 1608162

Ion	Ratio	Lower	Upper
49	100		
128	64.8	29.7	89.1
130	83.2	38.3	114.8

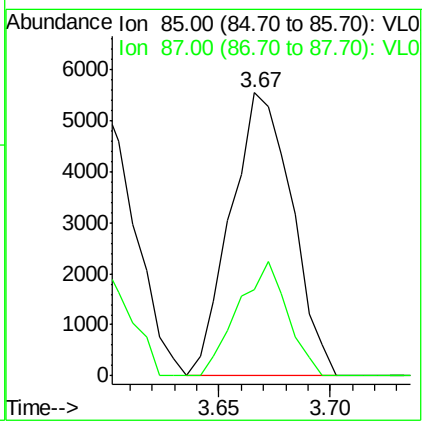


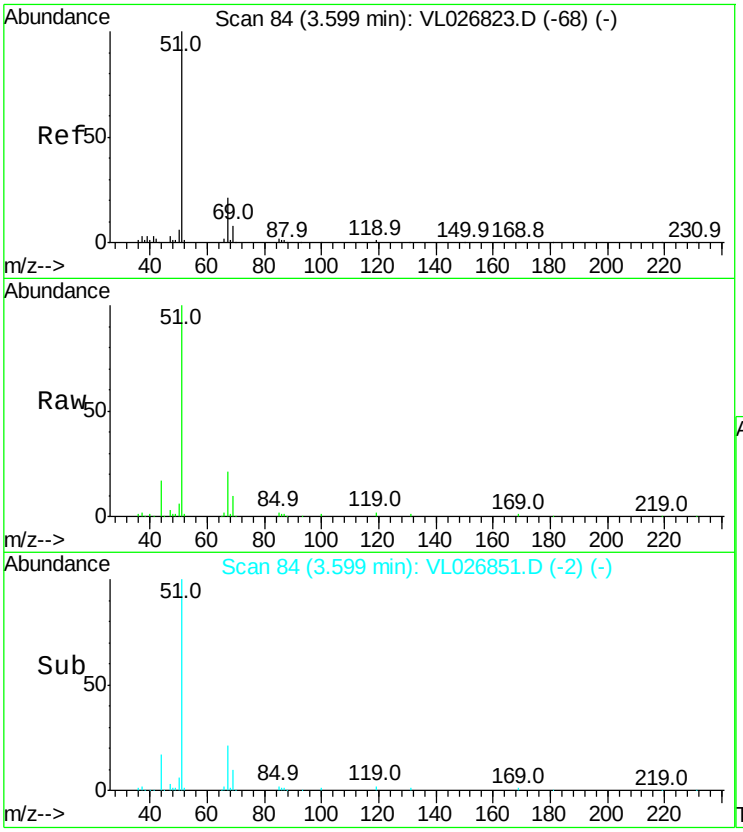


#2
Dichlorodifluoromethane
Concen: 0.03 ppbv
RT: 3.67 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 85 Resp: 10594

Ion	Ratio	Lower	Upper
85	100		
87	30.6	27.3	40.9



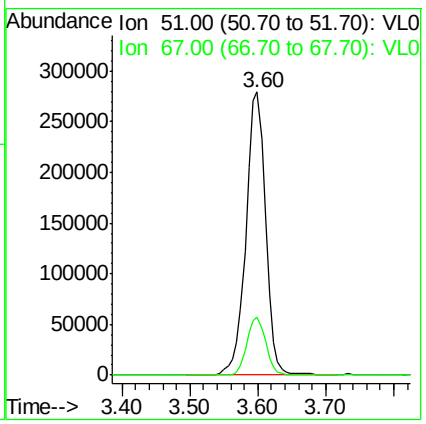


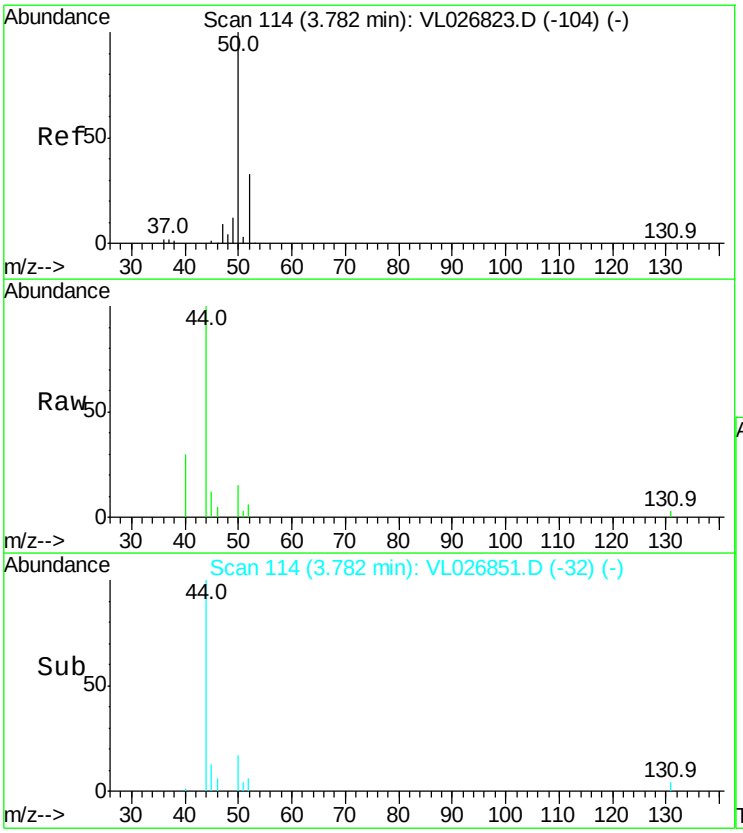
#3
Chlorodifluoromethane
Concen: 2.17 ppbv
RT: 3.60 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Tgt Ion: 51 Resp: 564964

Ion	Ratio	Lower	Upper
51	100		
67	19.6	16.4	24.6

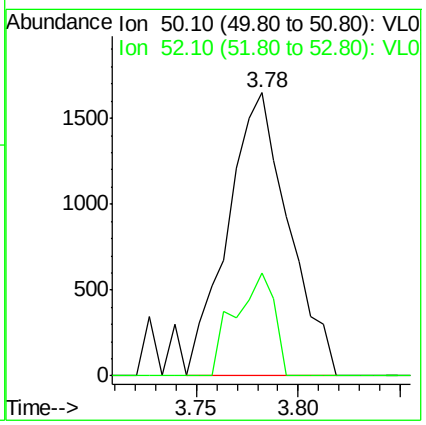


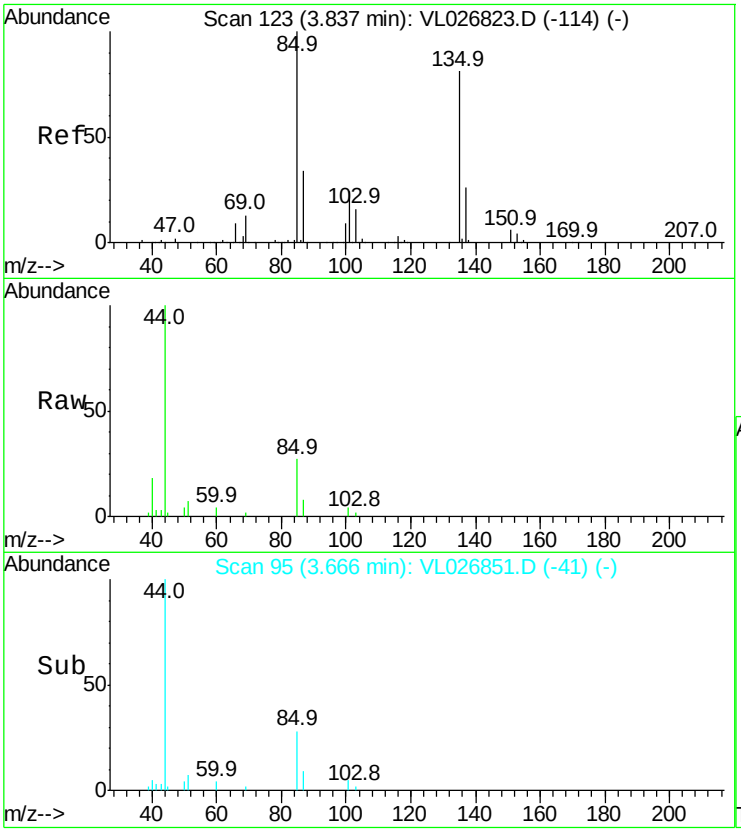


#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.78 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 50 Resp: 3427

Ion	Ratio	Lower	Upper
50	100		
52	36.4	26.3	39.5



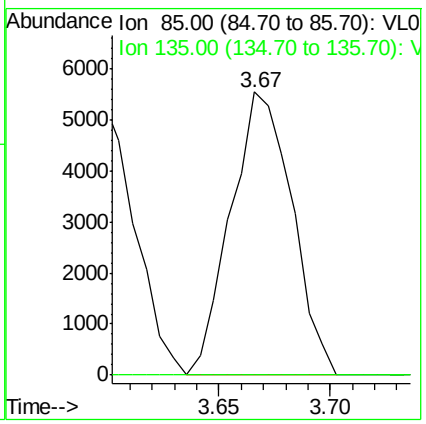


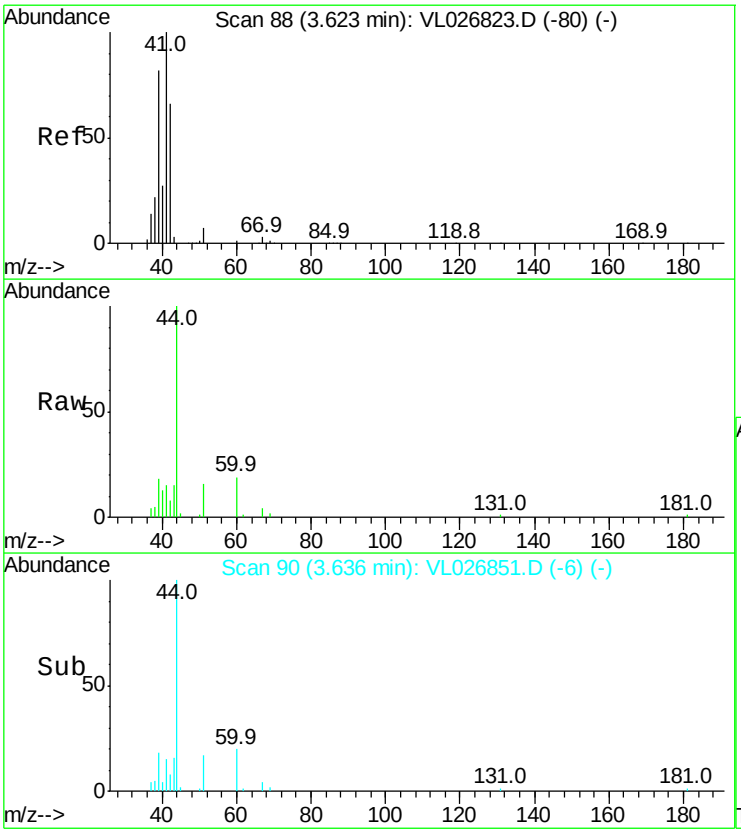
#8
Dichlorotetrafluoroethane
Concen: 0.03 ppbv
RT: 3.67 min Scan# 95
Delta R.T. -0.17 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Tgt Ion: 85 Resp: 10594

Ion	Ratio	Lower	Upper
85	100		
135	0.0	63.2	94.8#

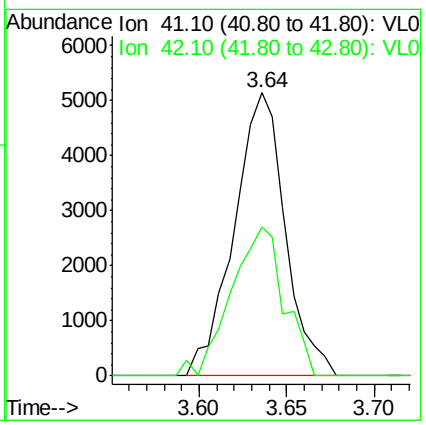


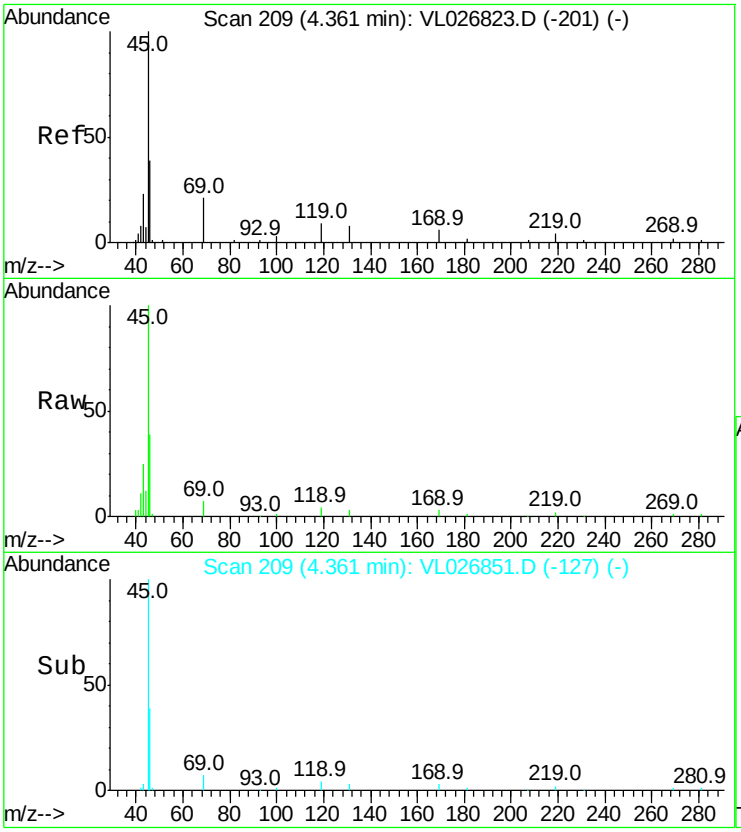


#9
Propene
Concen: 0.15 ppbv
RT: 3.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 41 Resp: 10493

Ion	Ratio	Lower	Upper
41	100		
42	54.3	52.8	79.2



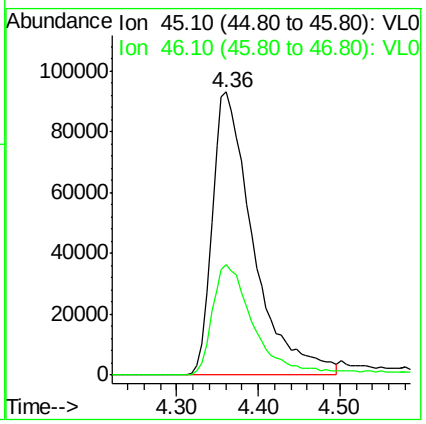


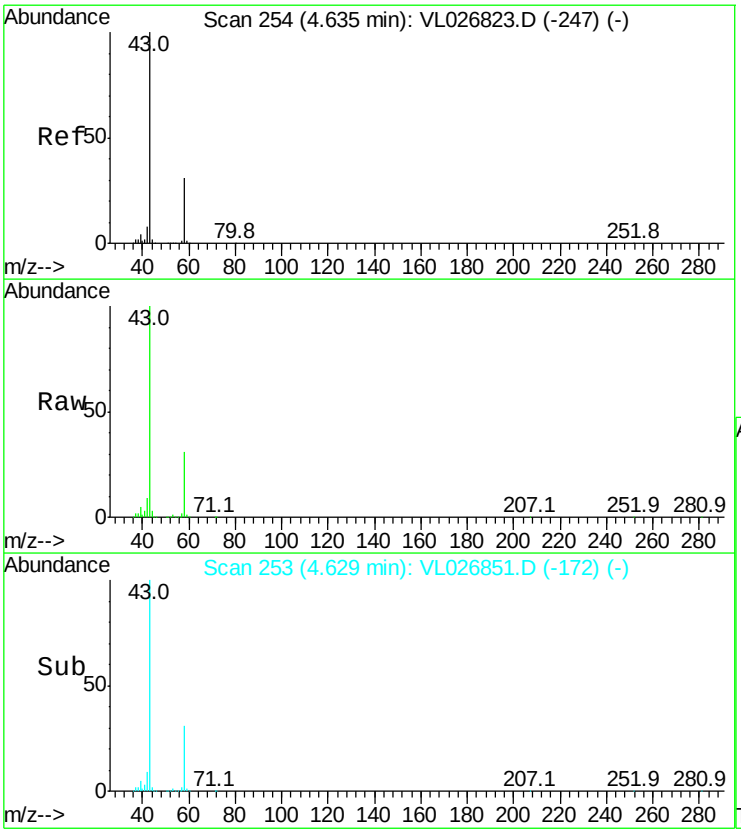
#13
Ethanol
Concen: 26.90 ppbv
RT: 4.36 min Scan# 209
Delta R.T. -0.00 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion: 45 Resp: 326115

Ion	Ratio	Lower	Upper
45	100		
46	41.3	15.8	63.4

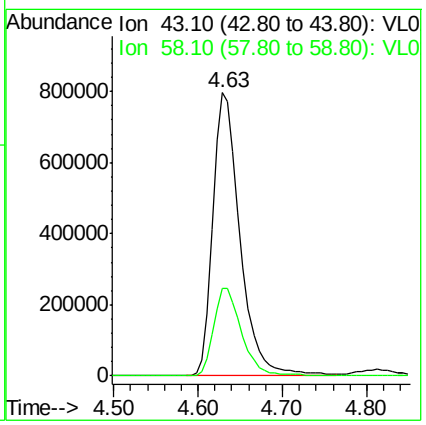


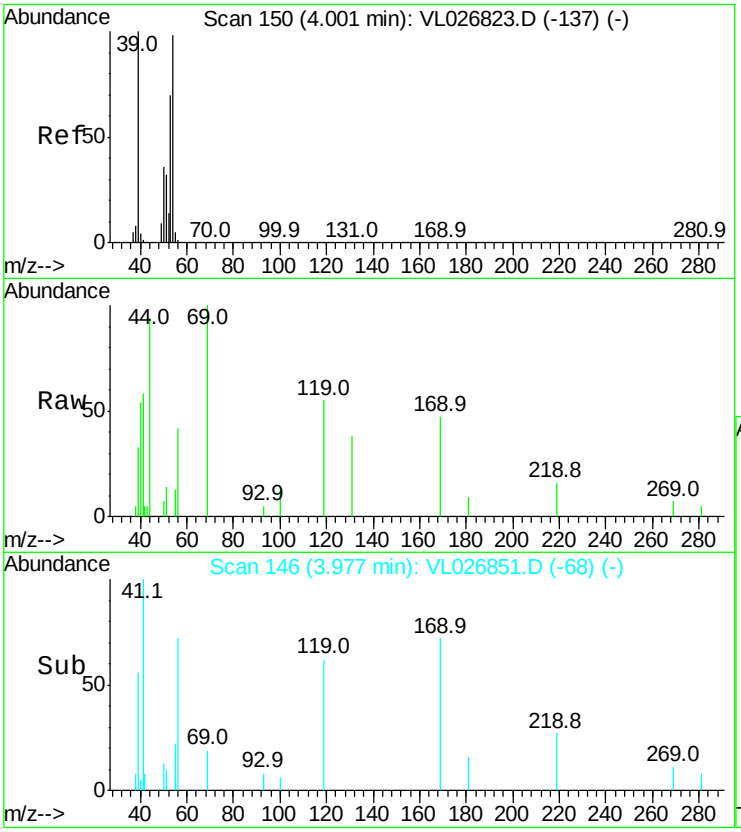


#15
Acetone
Concen: 8.01 ppbv
RT: 4.63 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 43 Resp: 1769451

Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.2	37.8



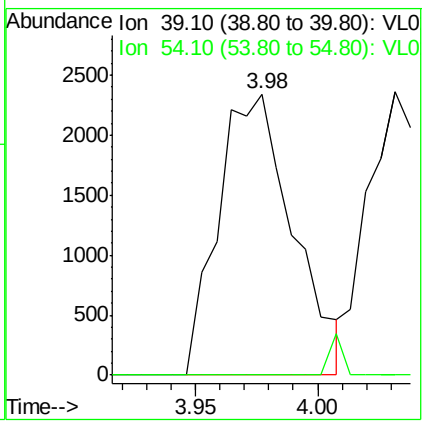


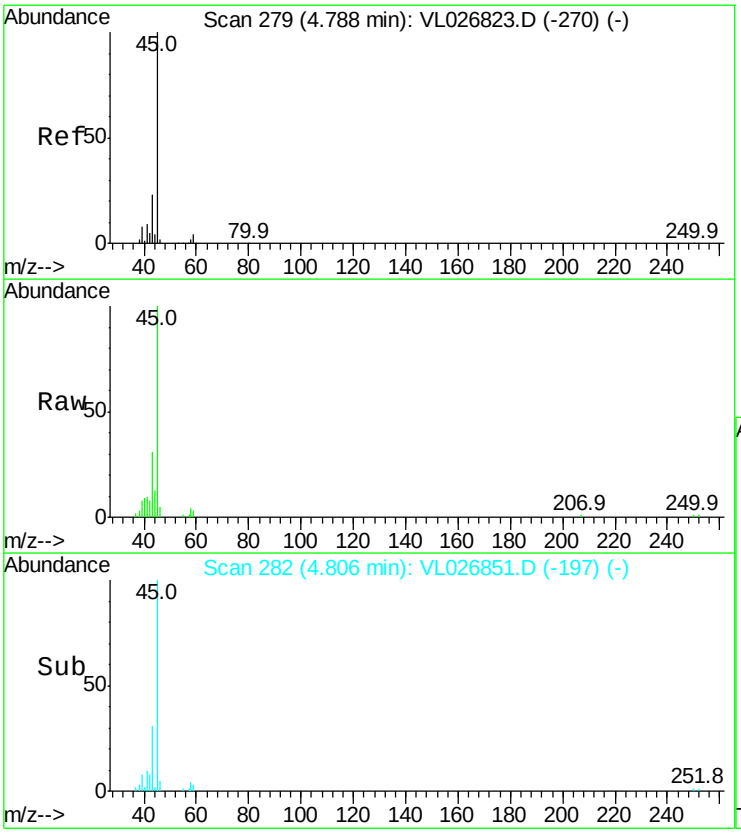
#16
1,3-Butadiene
Concen: 0.06 ppbv
RT: 3.98 min Scan# 146
Delta R.T. -0.02 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Tgt Ion: 39 Resp: 4970

Ion	Ratio	Lower	Upper
39	100		
54	0.0	74.7	112.1#

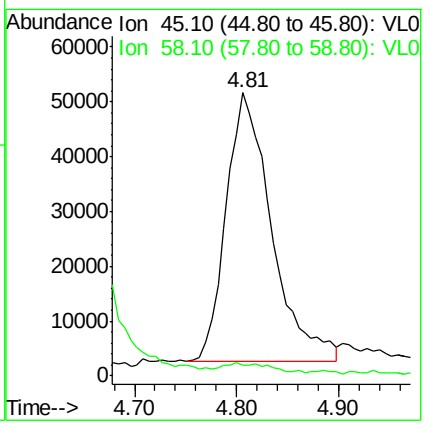


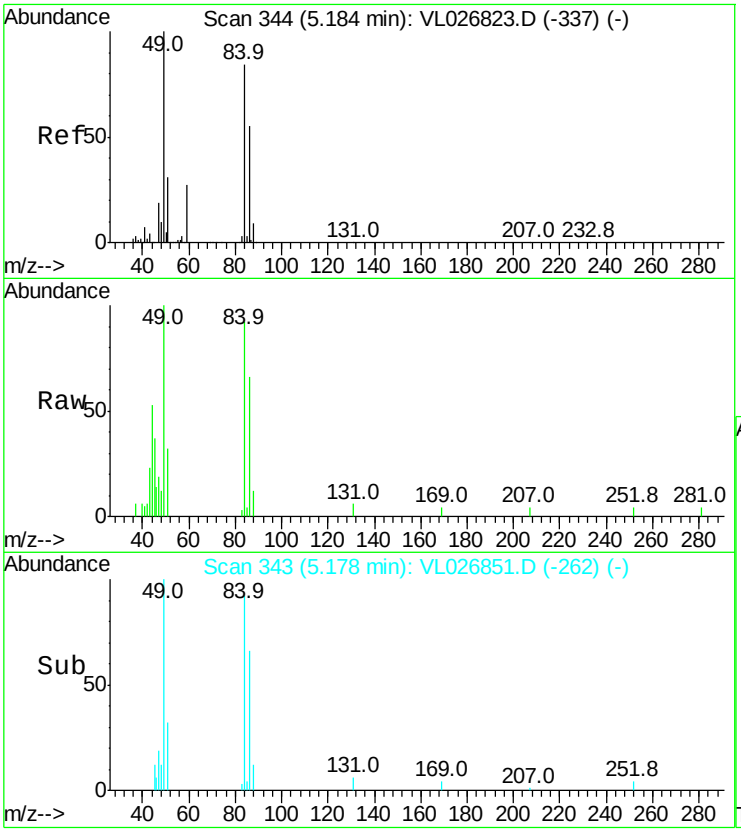


#19
Isopropyl Alcohol
Concen: 1.93 ppbv
RT: 4.81 min Scan# 282
Delta R.T. 0.02 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 45 Resp: 152291

Ion	Ratio	Lower	Upper
45	100		
58	371.9	2.2	3.2#



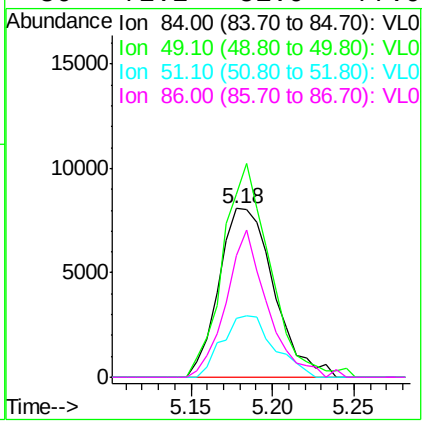


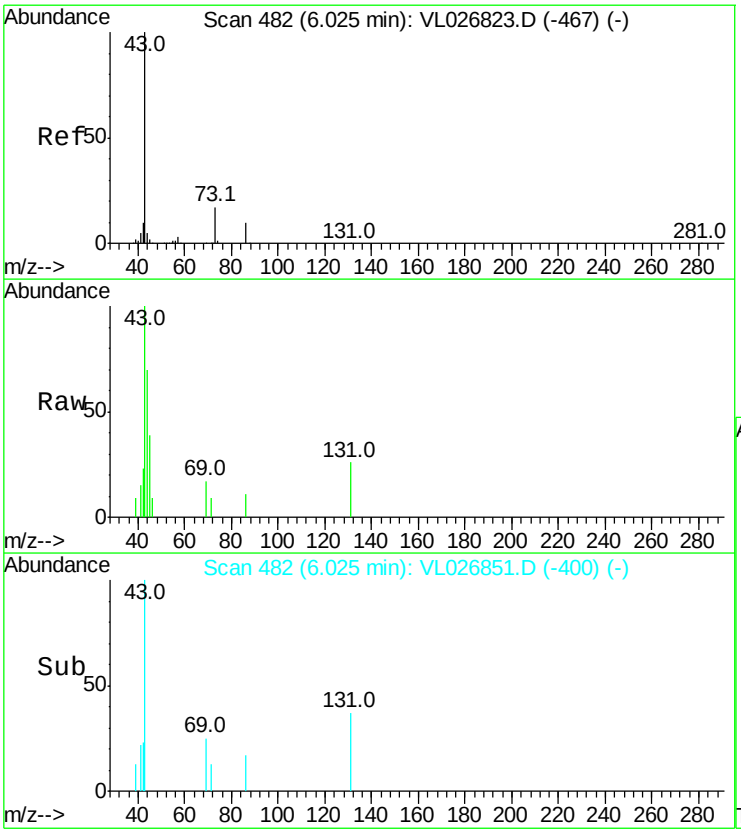
#20
Methylene Chloride
Concen: 0.17 ppbv
RT: 5.18 min Scan# 343
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Tgt Ion: 84 Resp: 18966

Ion	Ratio	Lower	Upper
84	100		
49	108.8	94.9	142.3
51	34.6	29.5	44.3
86	72.2	51.9	77.9

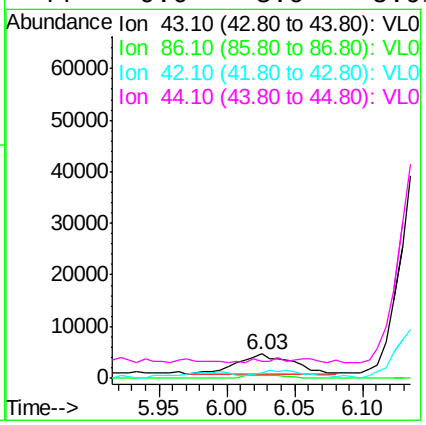


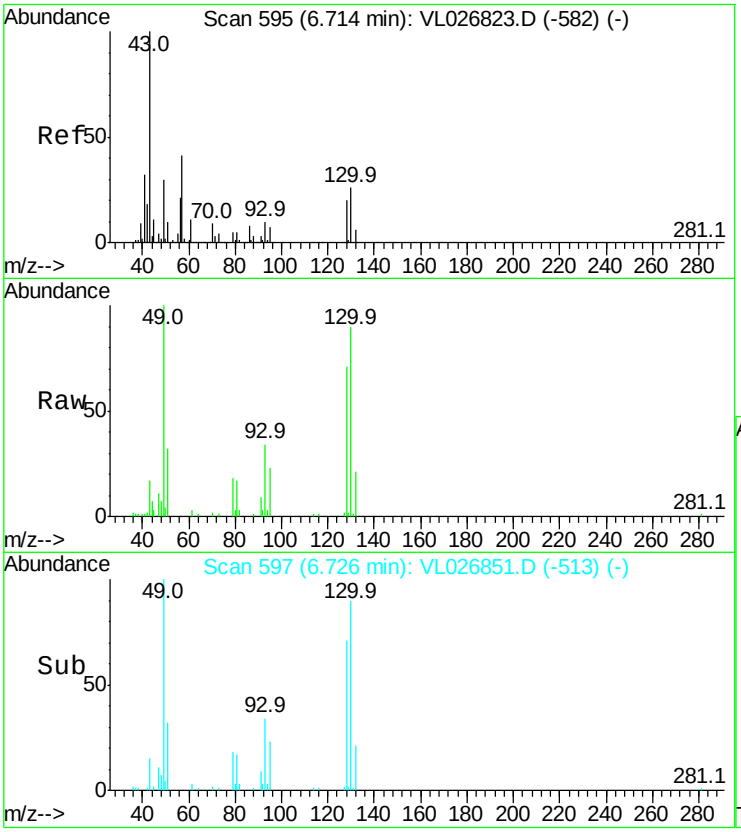


#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 6.03 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 43 Resp: 11313

Ion	Ratio	Lower	Upper
43	100		
86	13.6	7.7	11.5#
42	18.1	7.8	11.8#
44	0.0	3.9	5.9#



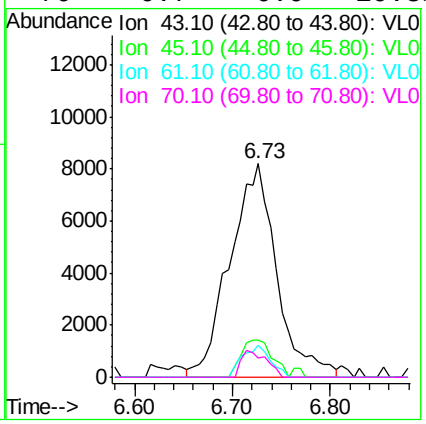


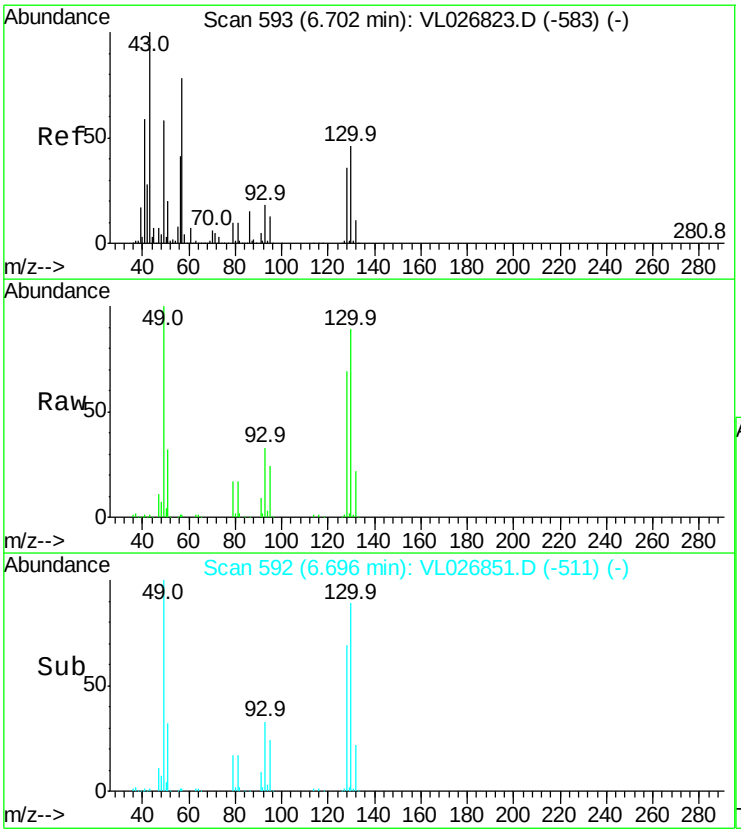
#25
Ethyl Acetate
Concen: 0.08 ppbv
RT: 6.73 min Scan# 597
Delta R.T. 0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion: 43 Resp: 27232

Ion	Ratio	Lower	Upper
43	100		
45	12.5	7.8	11.8#
61	8.8	7.9	11.9
70	6.7	6.9	10.3#

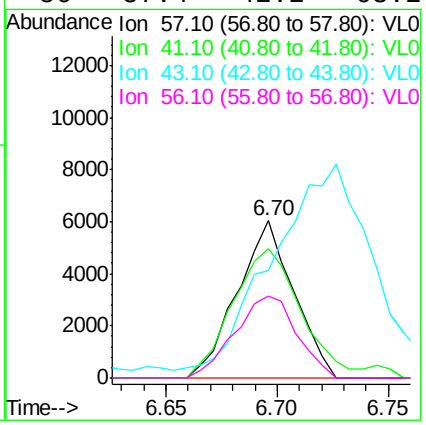


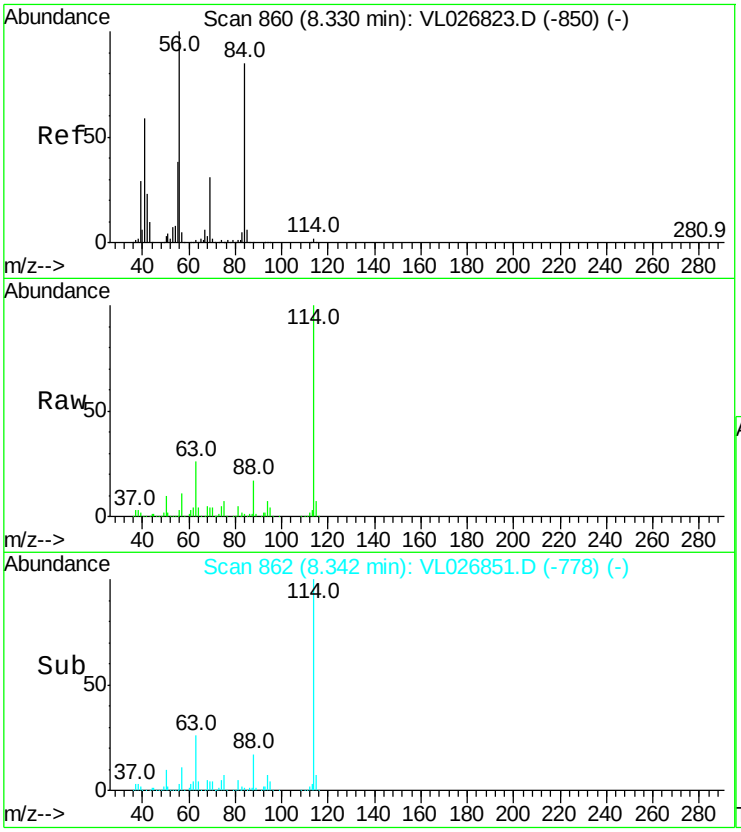


#26
Hexane
Concen: 0.06 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 57 Resp: 10618

Ion	Ratio	Lower	Upper
57	100		
41	102.8	63.3	94.9#
43	271.2	151.4	227.2#
56	57.4	42.2	63.2



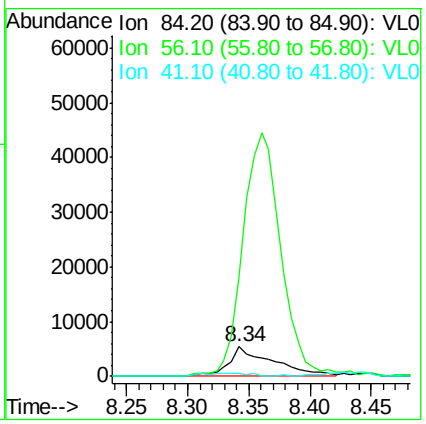


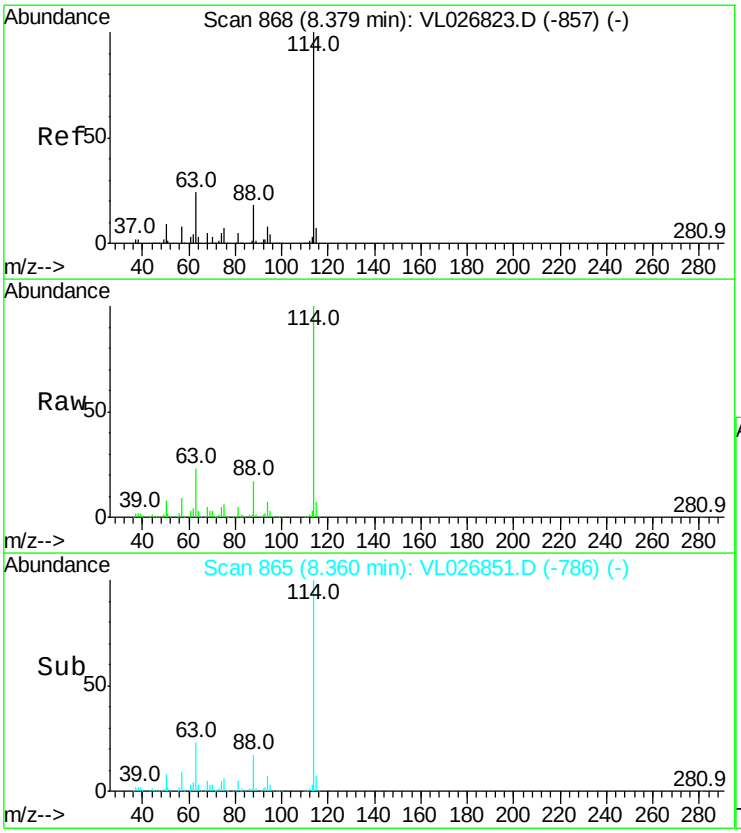
#30
Cyclohexane
Concen: 0.09 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion: 84 Resp: 13679

Ion	Ratio	Lower	Upper
84	100		
56	719.5	99.4	149.2#
41	0.0	56.7	85.1#

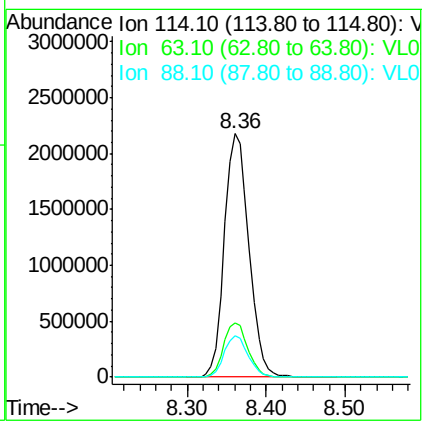


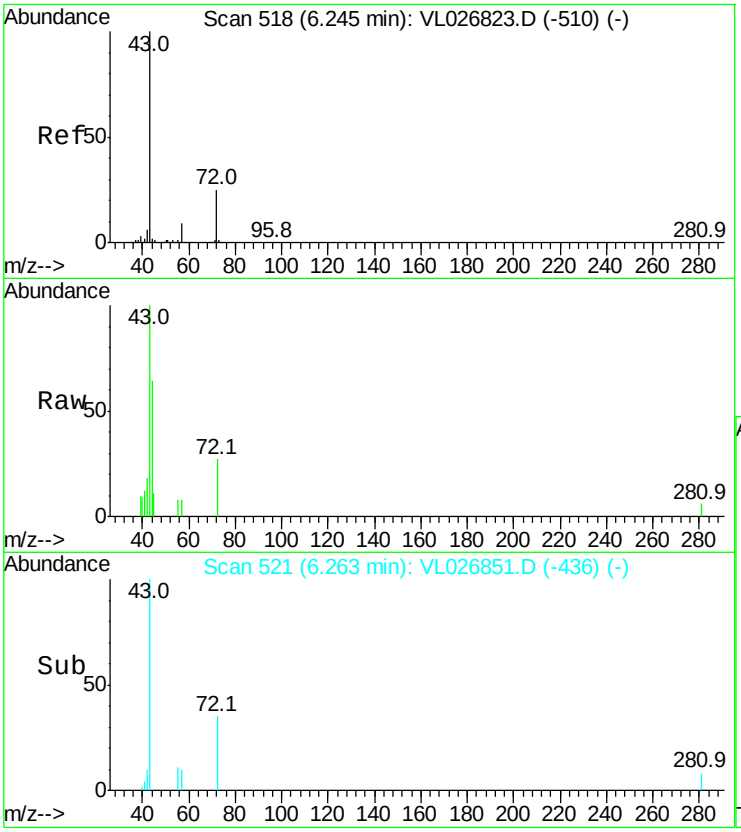


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. -0.02 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion:114 Resp: 4709758

Ion	Ratio	Lower	Upper
114	100		
63	22.4	19.7	29.5
88	16.5	13.8	20.6



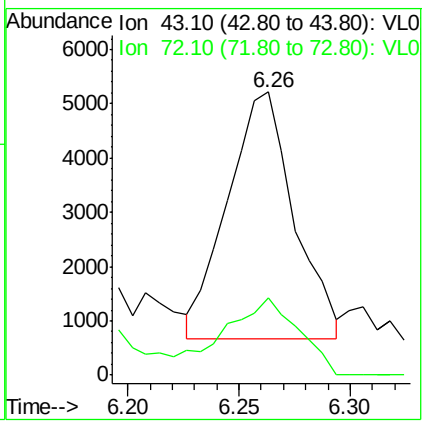


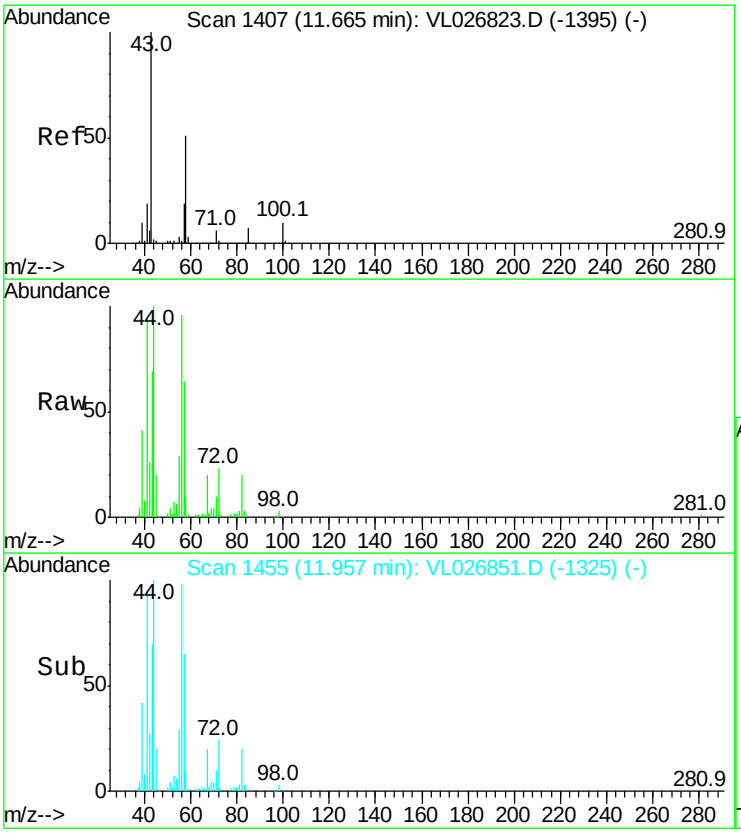
#34
2-Butanone
Concen: 0.04 ppbv
RT: 6.26 min Scan# 521
Delta R.T. 0.02 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument : MSVOA_L
ClientSampleId : IAS-2DL

Tgt Ion: 43 Resp: 9442

Ion	Ratio	Lower	Upper
43	100		
72	38.2	19.8	29.8#

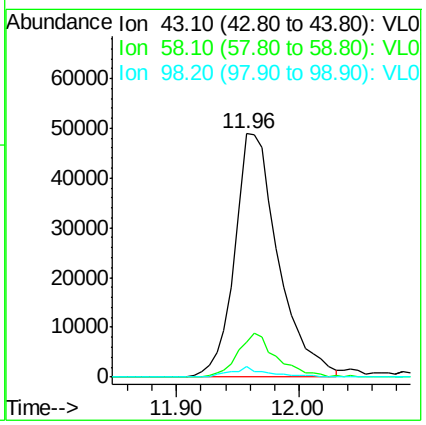


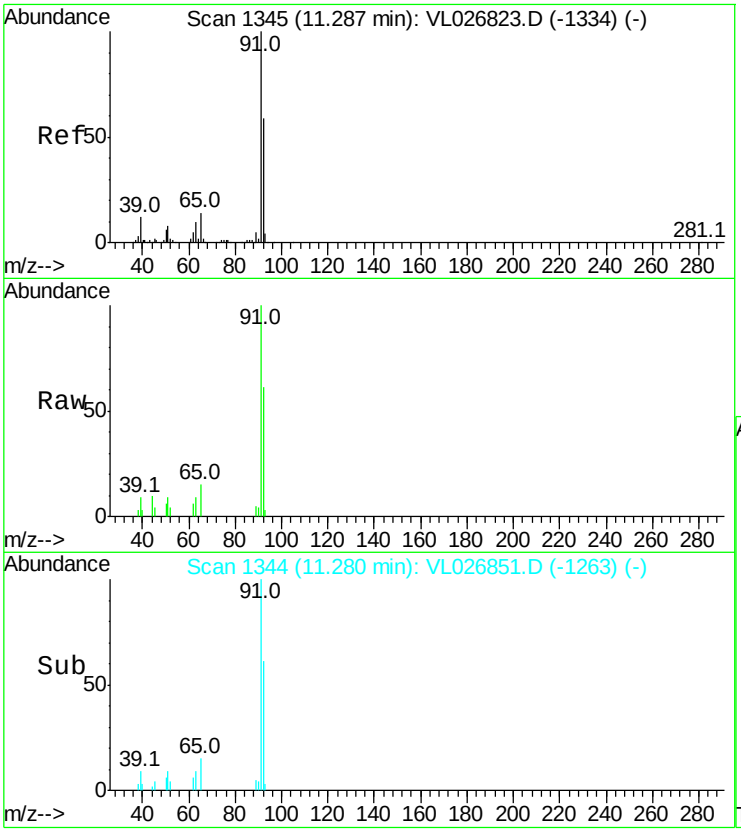


#51
2-Hexanone
Concen: 0.53 ppbv
RT: 11.96 min Scan# 1455
Delta R.T. 0.29 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 43 Resp: 121543

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	3.6	0.2	0.4#



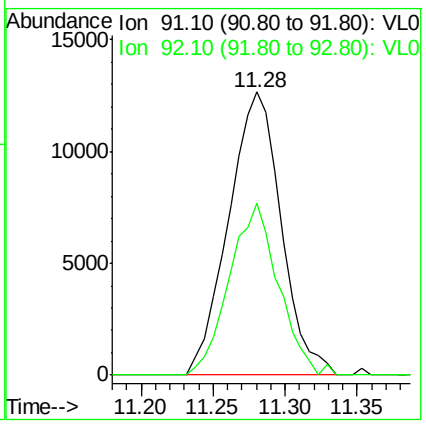


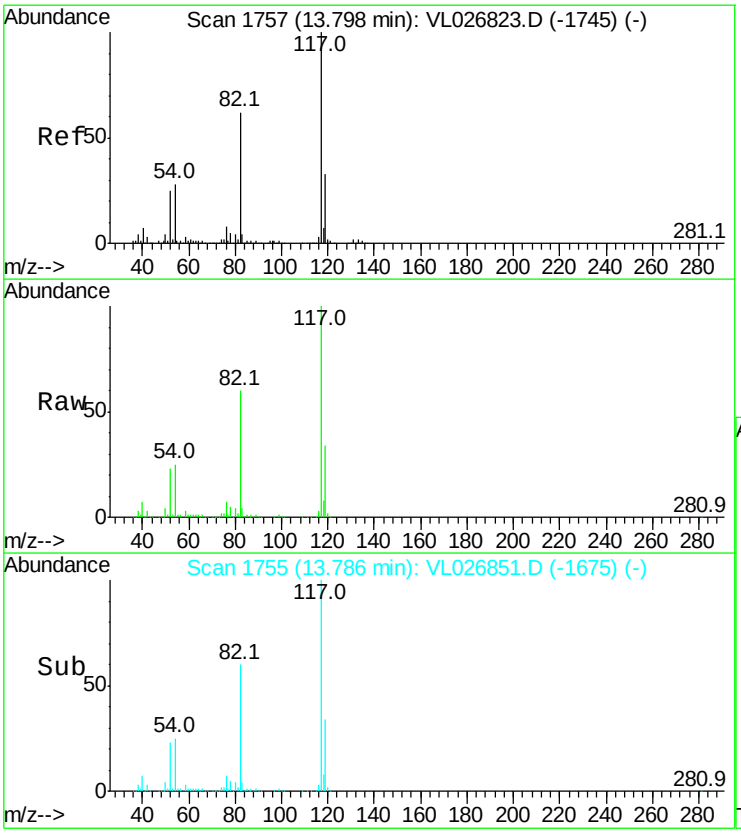
#53
Toluene
Concen: 0.08 ppbv
RT: 11.28 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion: 91 Resp: 32053

Ion	Ratio	Lower	Upper
91	100		
92	56.7	47.3	70.9

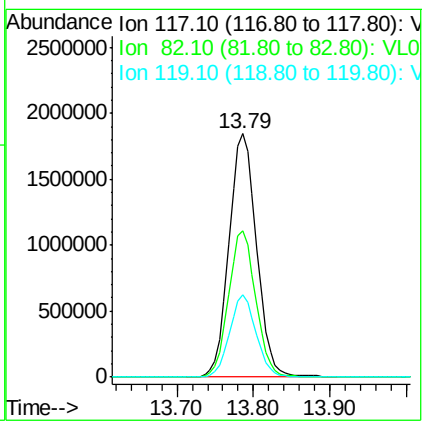


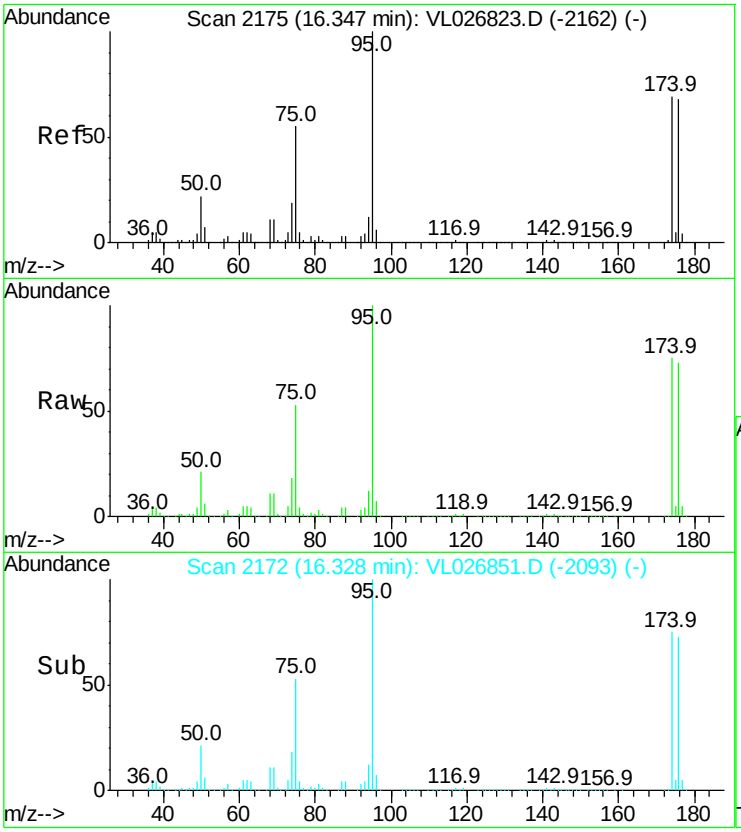


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion:117 Resp: 4606388

Ion	Ratio	Lower	Upper
117	100		
82	0.0	51.9	77.9#
119	0.0	48.5	72.7#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.91 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. -0.02 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tgt Ion: 95 Resp: 3275946

Ion	Ratio	Lower	Upper
95	100		
174	74.8	55.6	83.4
175	5.3	3.9	5.9