Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026248.D
Acq On : 21 Oct 2015 21:44
Operator : SY/MD
Sample : G4128-01DL2 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INFDL2

Quant Time: Oct 22 08:38:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.62	49	441981	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.29	114	1268048	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.71	117	1543687	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1238675	10.40	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.56	51	7076	0.13	ppbv	#	86
10) Heptane	9.32	43	2519	0.03	ppbv		98
15) Acetone	4.59	43	6419	0.10	ppbv	#	48
16) 1,3-Butadiene	3.93	39	2867	0.10	ppbv	#	7
20) Methylene Chloride	5.13	84	2443	0.09	ppbv	#	84
21) Allyl Chloride	4.87	41	4425	0.10	ppbv	#	50
23) Vinyl Acetate	5.93	43	2418	0.02	ppbv	#	1
25) Ethyl Acetate	6.63	43	3681	0.03	ppbv	#	1
26) Hexane	6.63	57	4963	0.08	ppbv	#	47
31) cis-1,2-Dichloroethene	6.49	61	107800	1.95	ppbv		98
34) 2-Butanone	6.22	43	4942	0.07	ppbv	#	87
38) Trichloroethene	9.03	130	261562	4.17	ppbv		98
42) Bromodichloromethane	9.03	83	3288	0.03	ppbv	#	75
52) Tetrachloroethene	12.77	164	3902136	52.69	ppbv		98
53) Toluene	11.21	91	6453	0.04	ppbv		96
65) tert-Butylbenzene	18.88	119	81104	0.31	ppbv	#	25

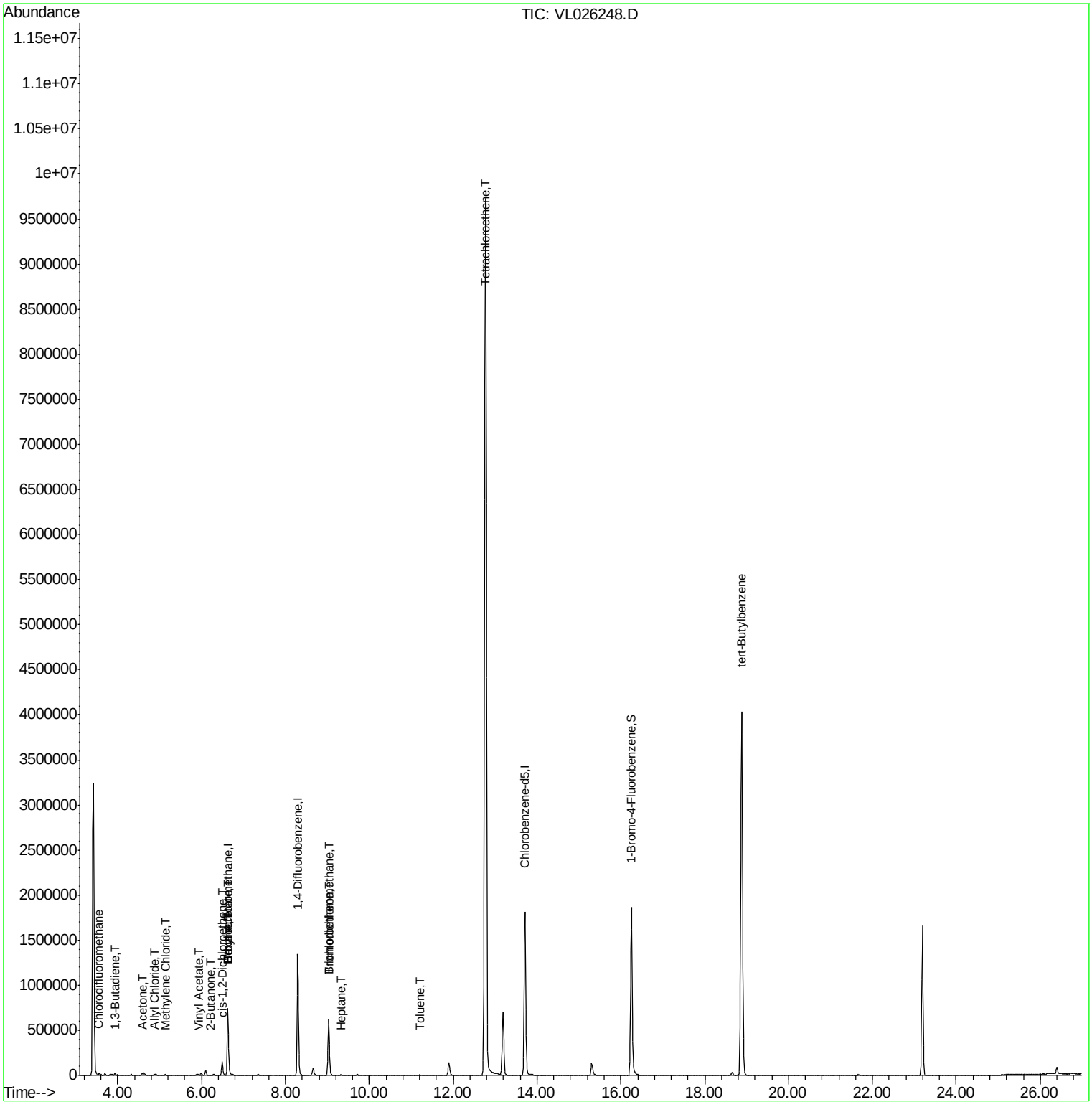
(#) = qualifier out of range (m) = manual integration (+) = signals summed

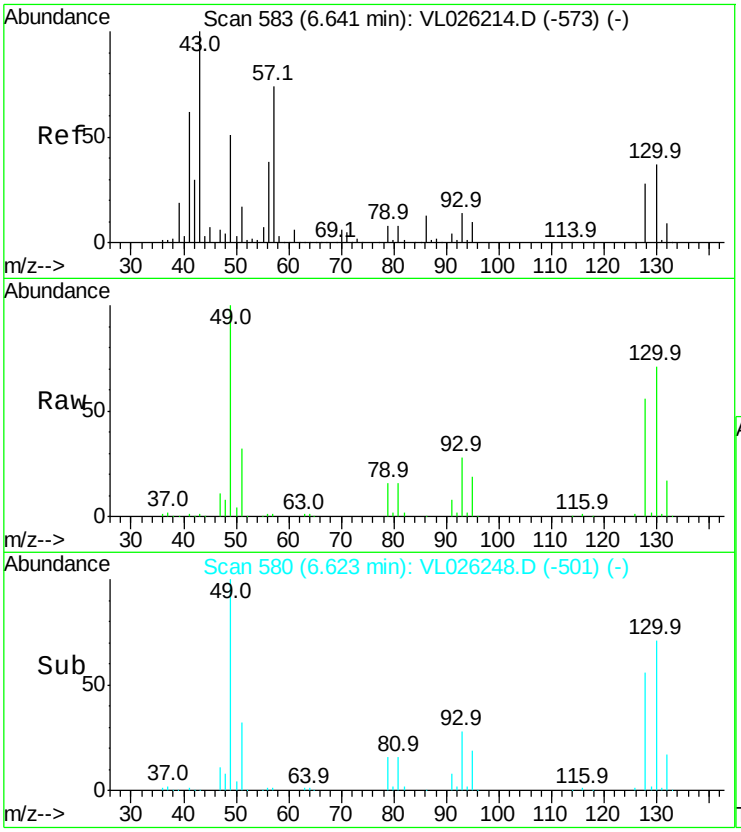
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026248.D
Acq On : 21 Oct 2015 21:44
Operator : SY/MD
Sample : G4128-01DL2 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INFDL2

Quant Time: Oct 22 08:38:39 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration



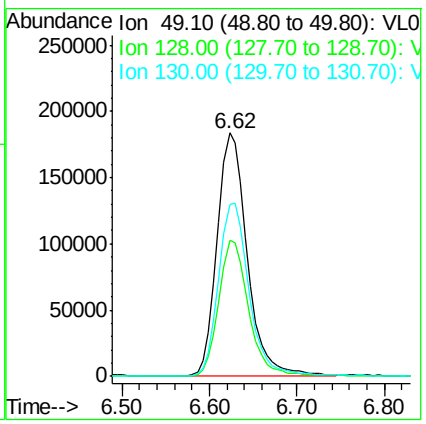


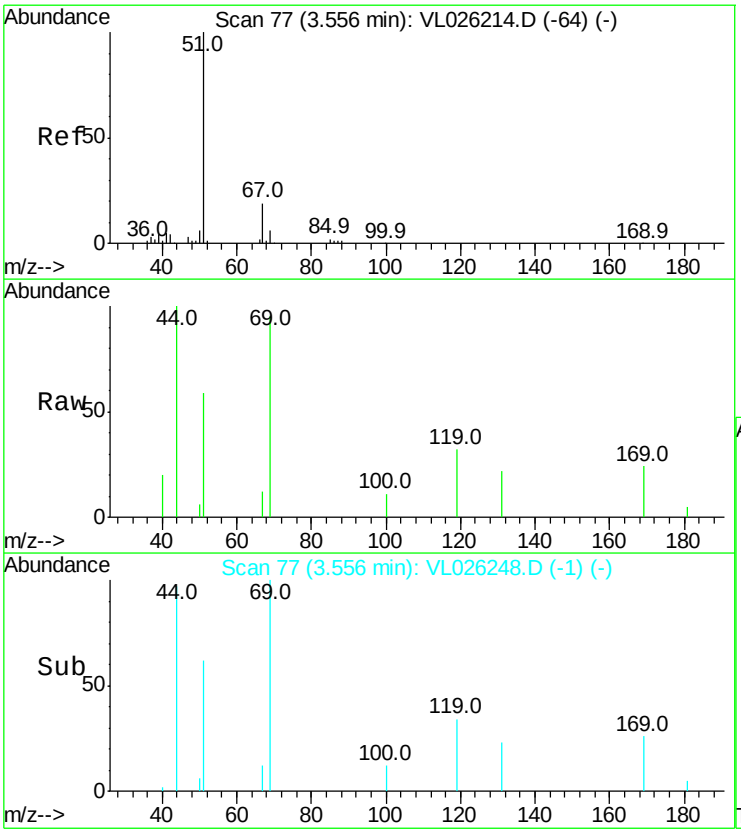
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 49 Resp: 441981

Ion	Ratio	Lower	Upper
49	100		
128	56.1	28.2	84.7
130	73.1	36.0	108.1

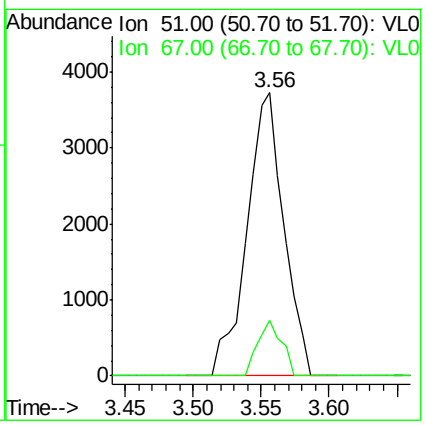


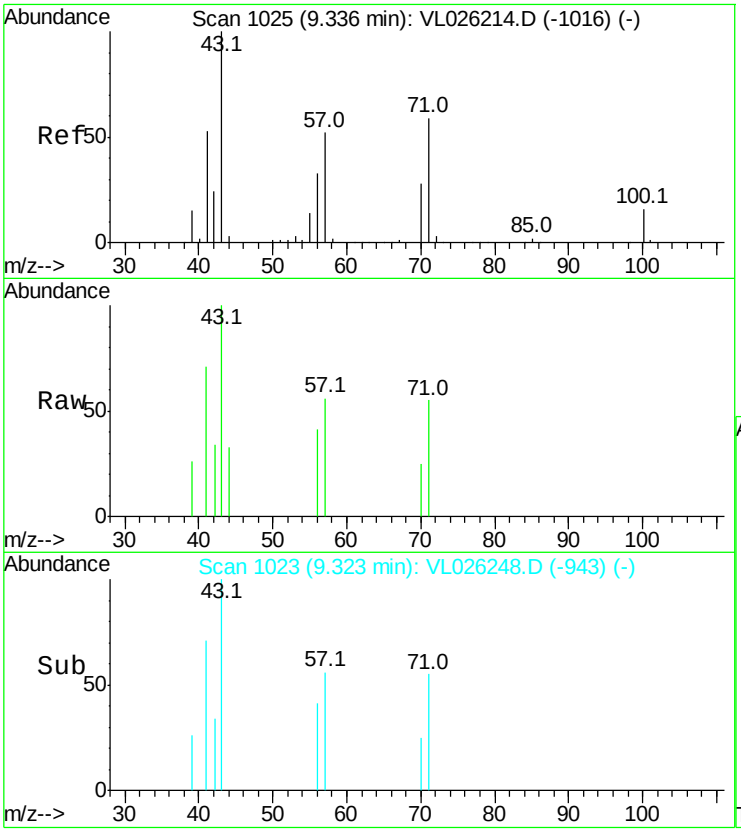


#3
Chlorodifluoromethane
Concen: 0.13 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion: 51 Resp: 7076

Ion	Ratio	Lower	Upper
51	100		
67	12.9	15.3	22.9#



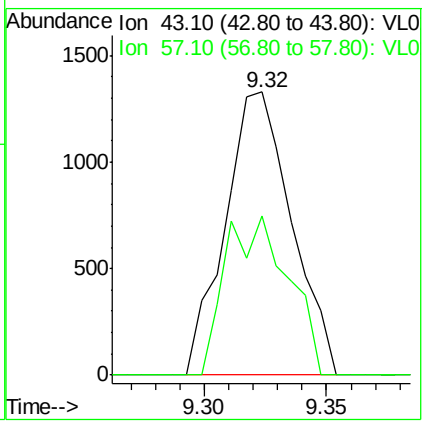


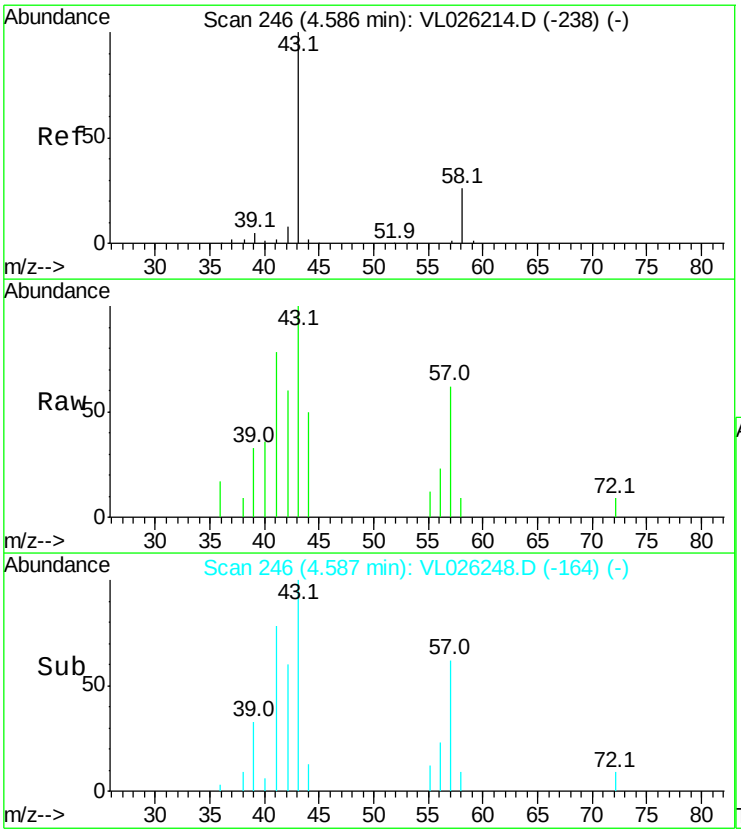
#10
Heptane
Concen: 0.03 ppbv
RT: 9.32 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 43 Resp: 2519

Ion	Ratio	Lower	Upper
43	100		
57	53.5	43.7	65.5

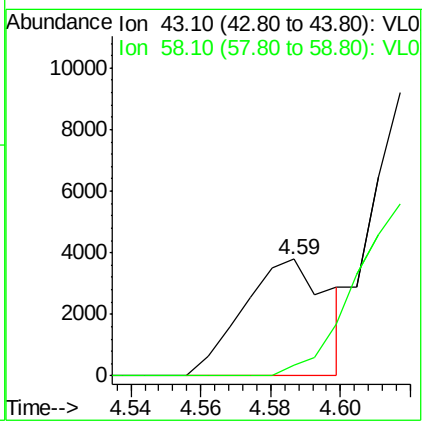


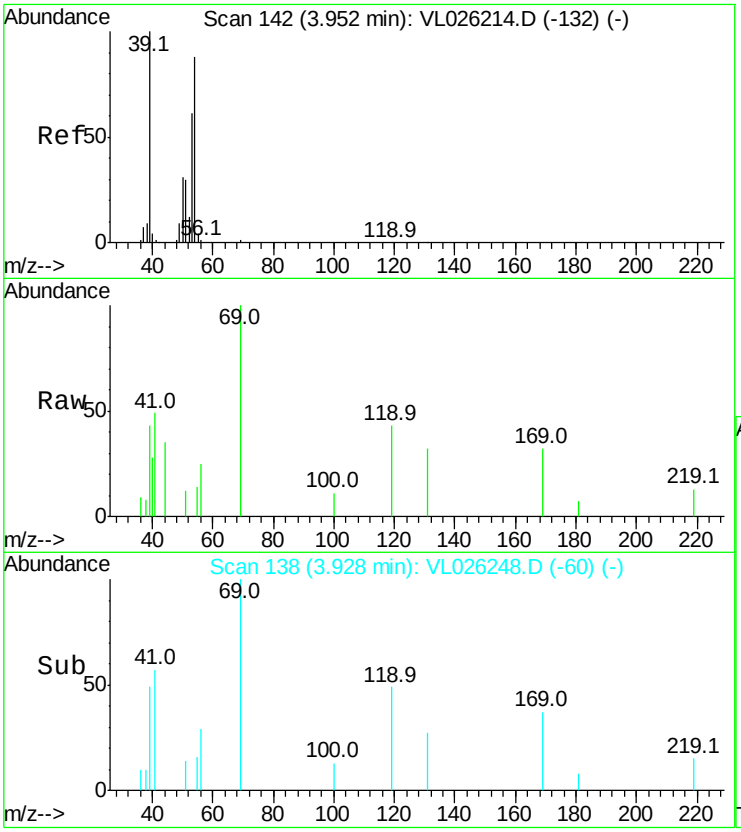


#15
Acetone
Concen: 0.10 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion: 43 Resp: 6419

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.8	32.6#



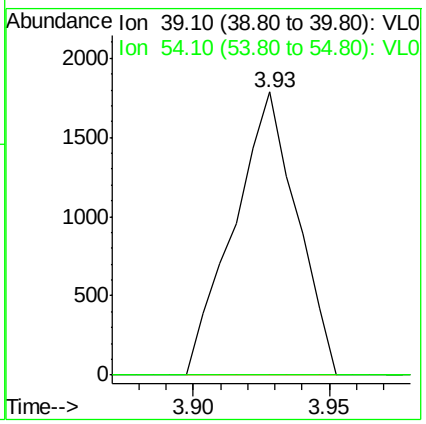


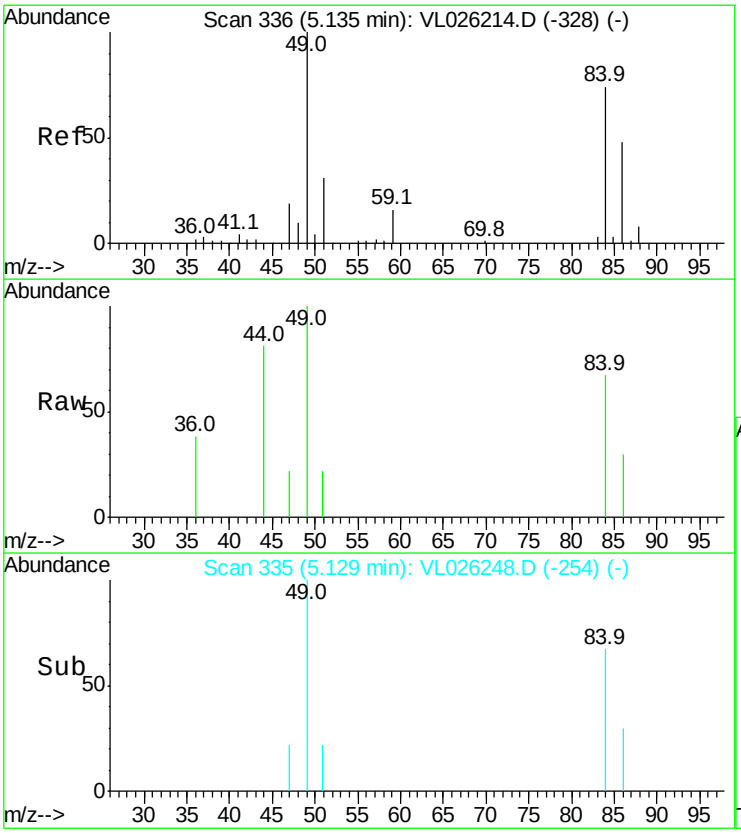
#16
1,3-Butadiene
Concen: 0.10 ppbv
RT: 3.93 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 39 Resp: 2867

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.3	100.9#

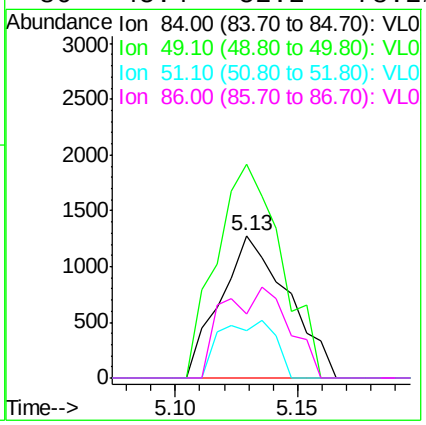


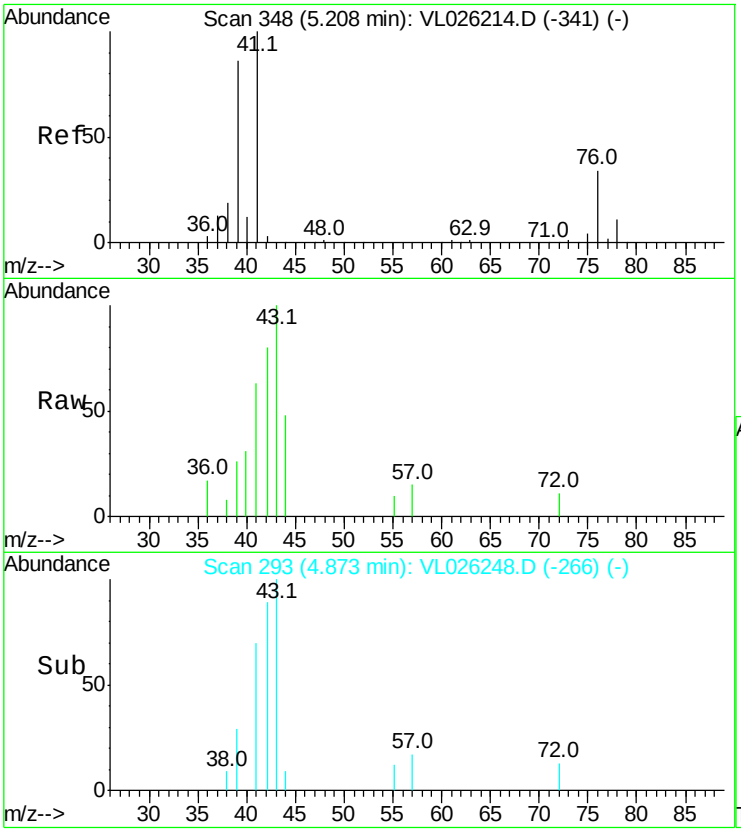


#20
Methylene Chloride
Concen: 0.09 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.01 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion: 84 Resp: 2443

Ion	Ratio	Lower	Upper
84	100		
49	149.9	108.7	163.1
51	33.0	33.7	50.5#
86	45.4	52.2	78.2#



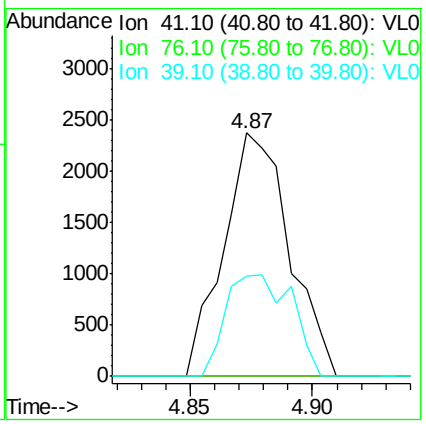


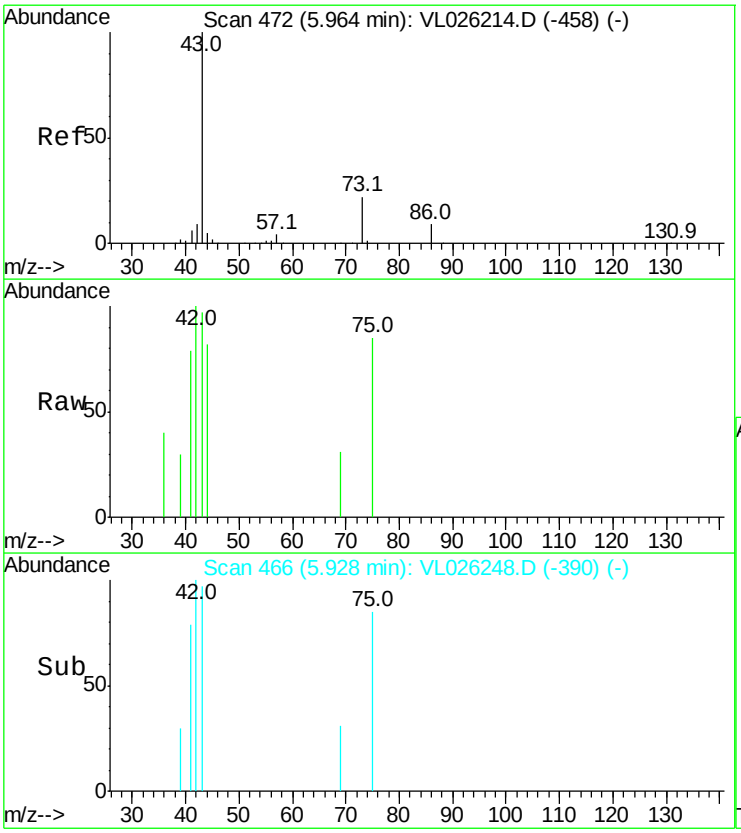
#21
Allyl Chloride
Concen: 0.10 ppbv
RT: 4.87 min Scan# 293
Delta R.T. -0.34 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 41 Resp: 4425

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	39.8#
39	42.0	67.4	101.2#

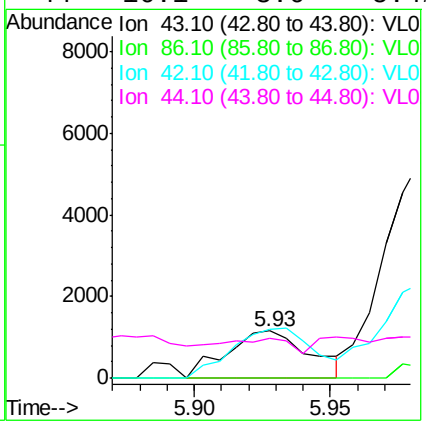


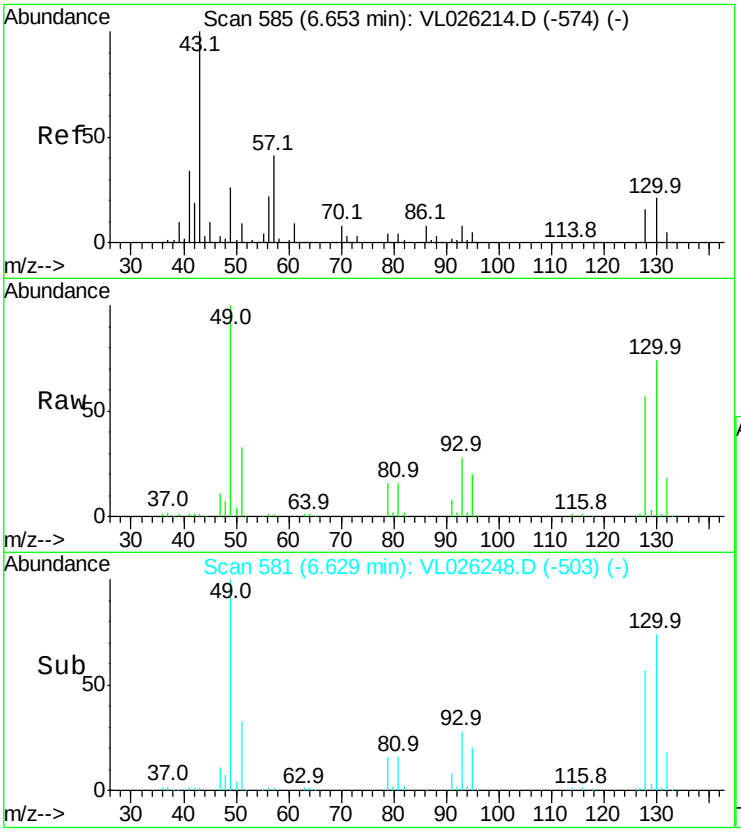


#23
Vinyl Acetate
Concen: 0.02 ppbv
RT: 5.93 min Scan# 466
Delta R.T. -0.04 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion: 43 Resp: 2418

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.6#
42	102.7	7.5	11.3#
44	16.1	3.6	5.4#



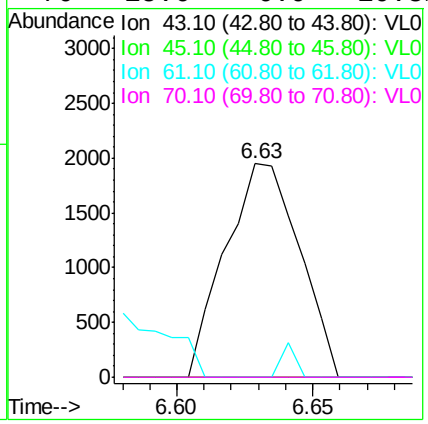


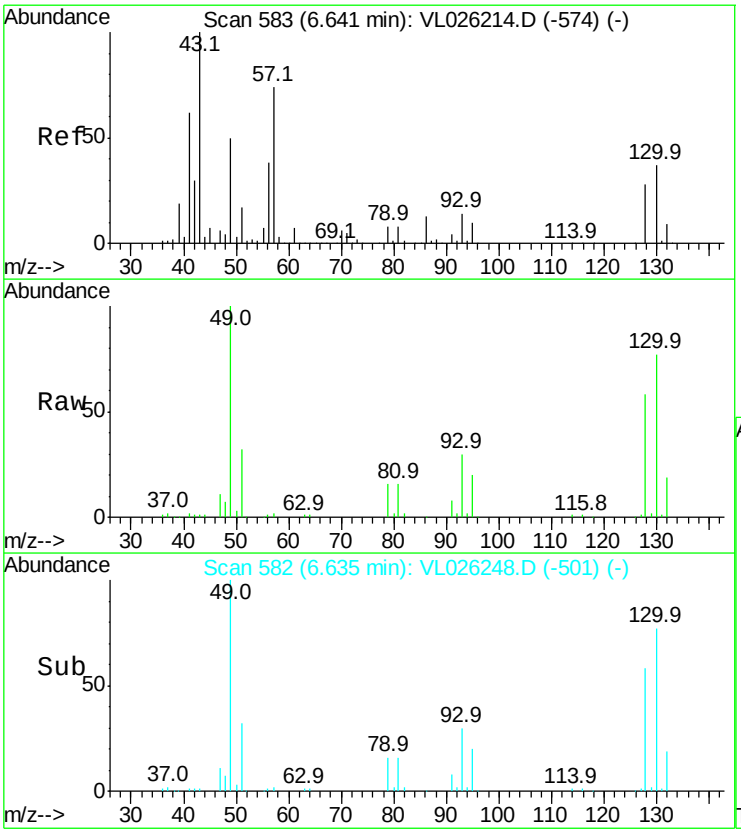
#25
Ethyl Acetate
Concen: 0.03 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 43 Resp: 3681

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.7	11.5#
61	2928.5	7.5	11.3#
70	15.6	6.9	10.3#

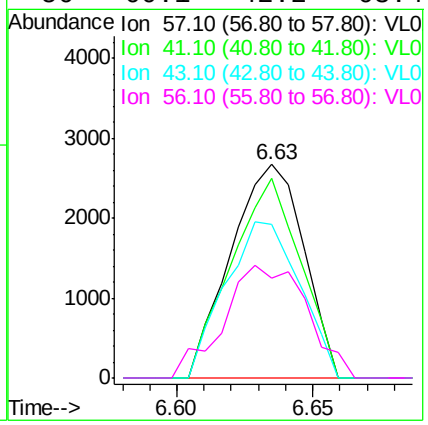


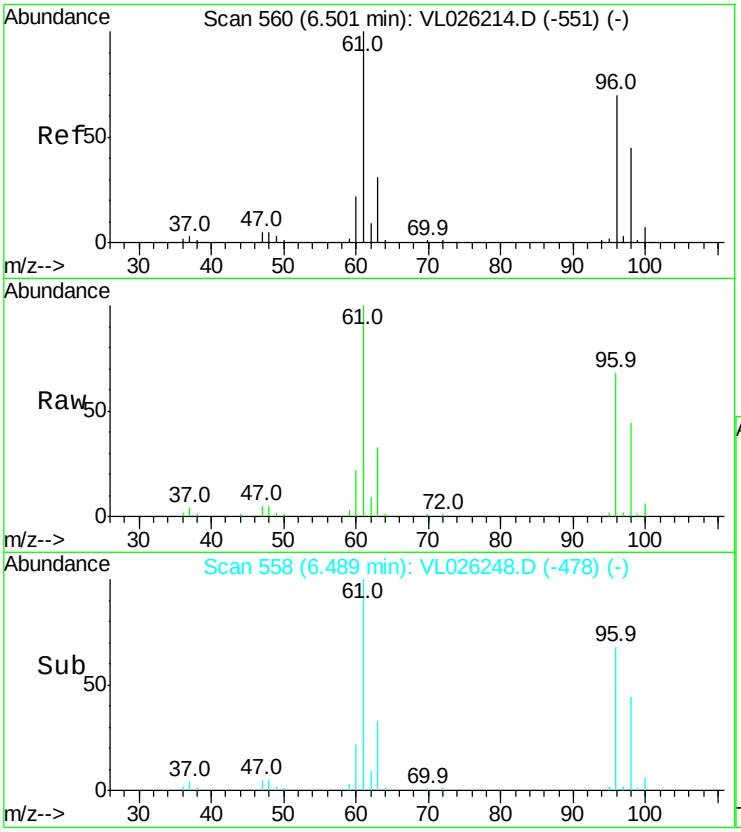


#26
Hexane
Concen: 0.08 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion: 57 Resp: 4963

Ion	Ratio	Lower	Upper
57	100		
41	88.6	68.1	102.1
43	74.2	163.4	245.2#
56	60.1	42.2	63.4



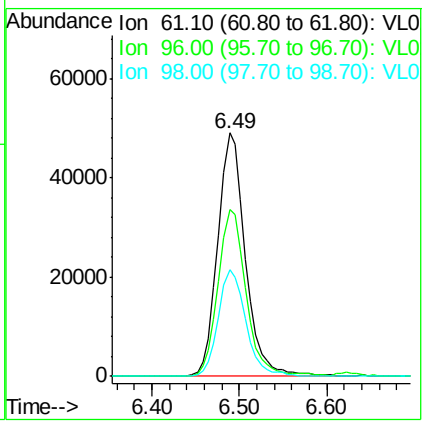


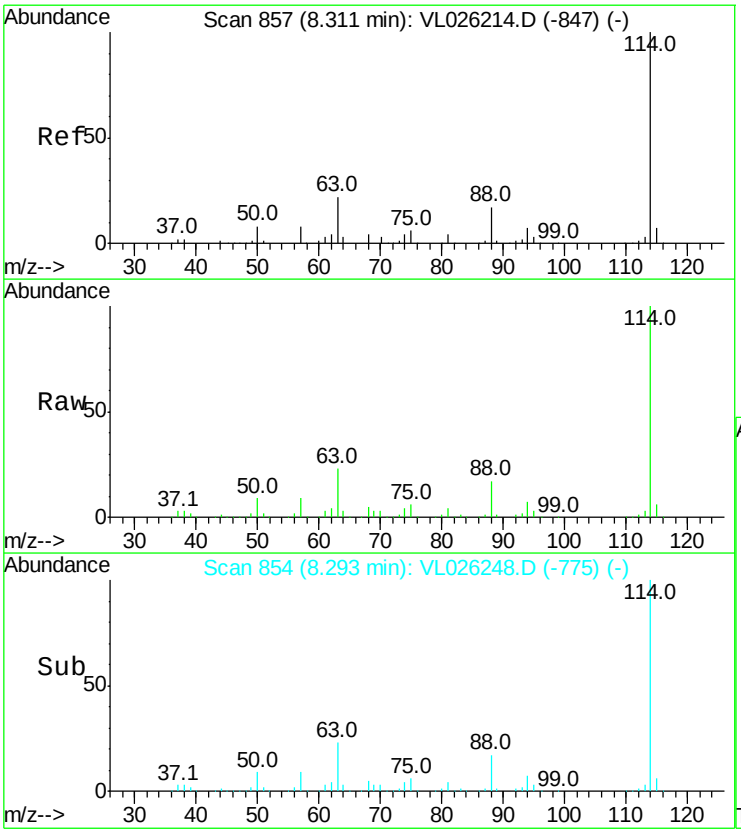
#31
cis-1,2-Dichloroethene
Concen: 1.95 ppbv
RT: 6.49 min Scan# 558
Delta R.T. -0.01 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 61 Resp: 107800

Ion	Ratio	Lower	Upper
61	100		
96	68.4	56.0	84.0
98	43.6	36.1	54.1

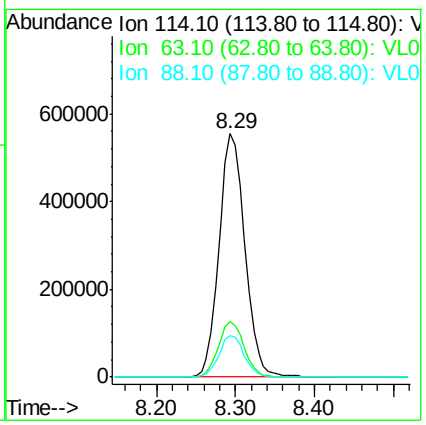


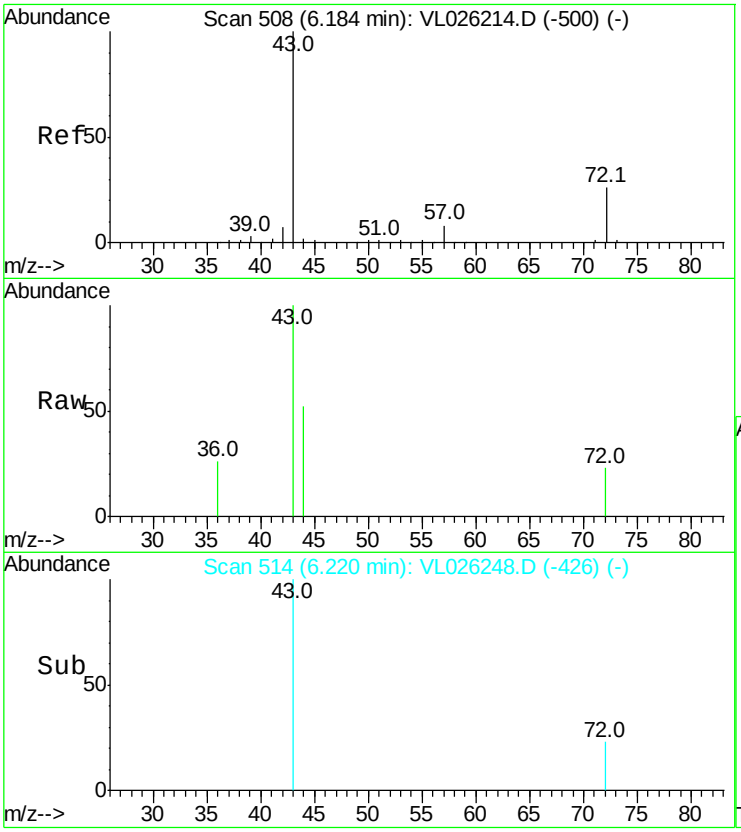


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion:114 Resp: 1268048

Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.2	27.4
88	16.9	13.5	20.3



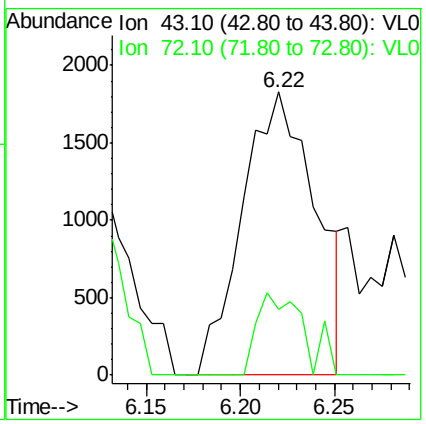


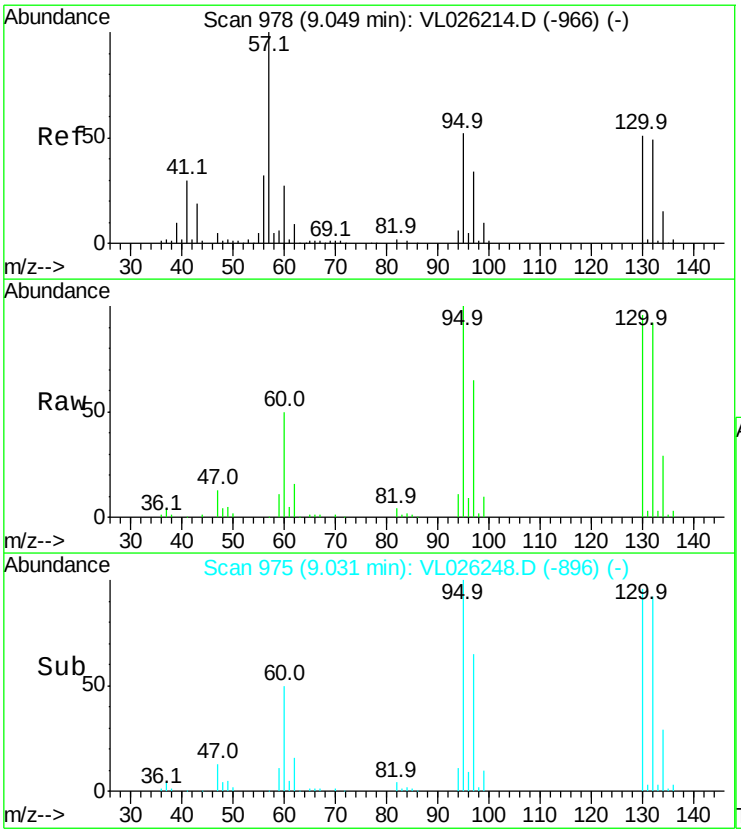
#34
2-Butanone
Concen: 0.07 ppbv
RT: 6.22 min Scan# 514
Delta R.T. 0.04 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument :
MSVOA_L
ClientSampleId :
INFDL2

Tgt Ion: 43 Resp: 4942

Ion	Ratio	Lower	Upper
43	100		
72	18.6	20.1	30.1#

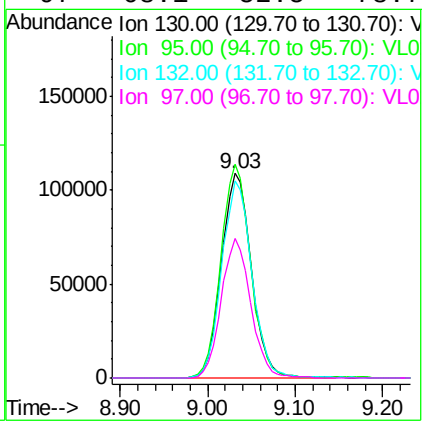


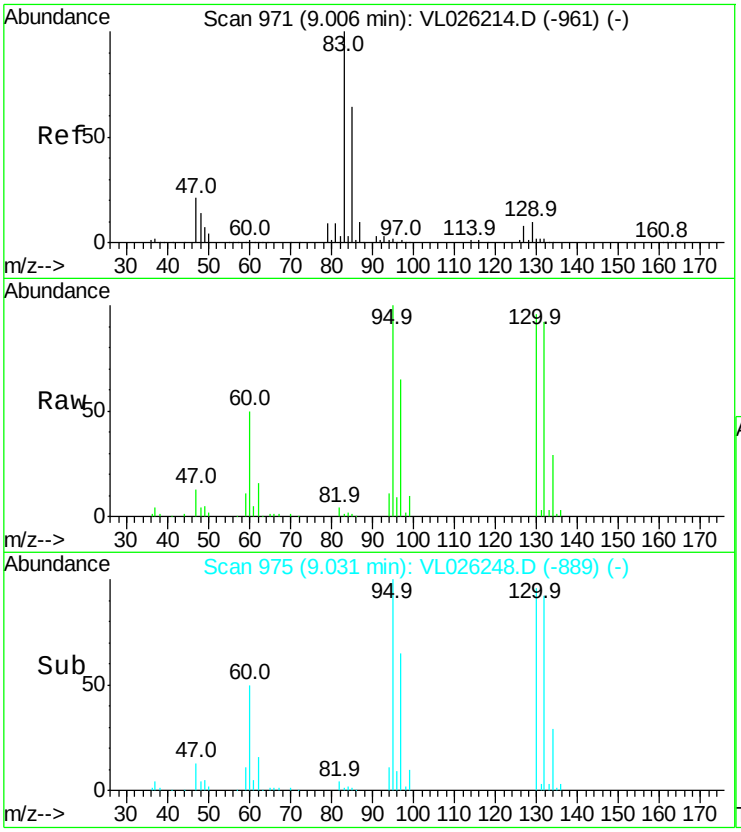


#38
Trichloroethene
Concen: 4.17 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion:130 Resp: 261562

Ion	Ratio	Lower	Upper
130	100		
95	104.4	81.0	121.4
132	96.1	76.5	114.7
97	68.1	52.5	78.7



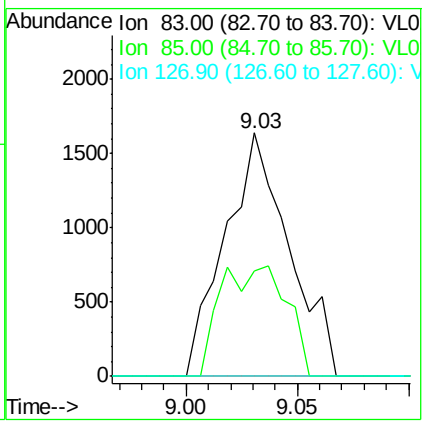


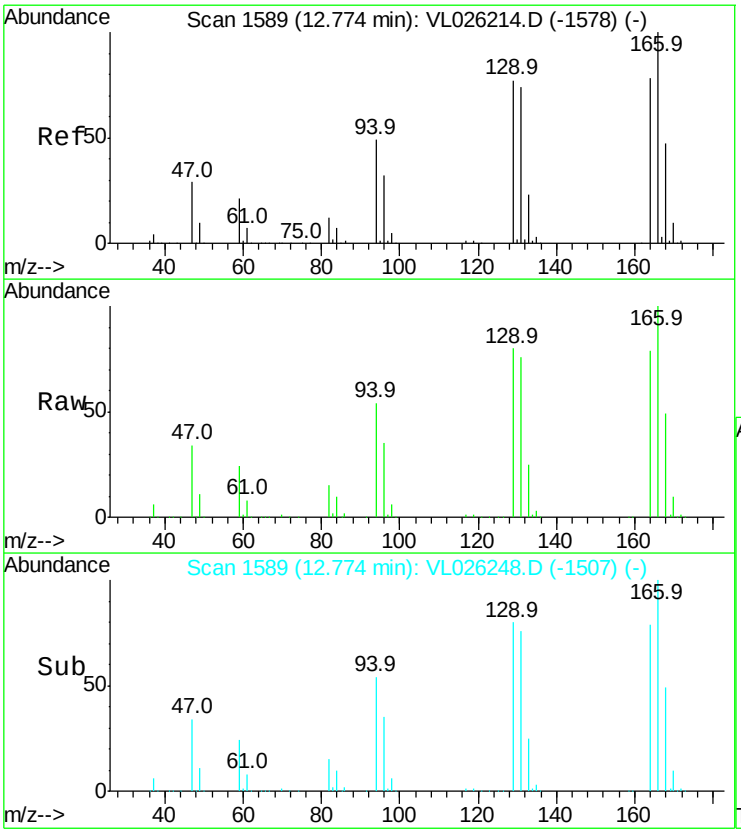
#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 9.03 min Scan# 975
Delta R.T. 0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 83 Resp: 3288

Ion	Ratio	Lower	Upper
83	100		
85	43.4	50.9	76.3#
127	0.0	6.2	9.4#

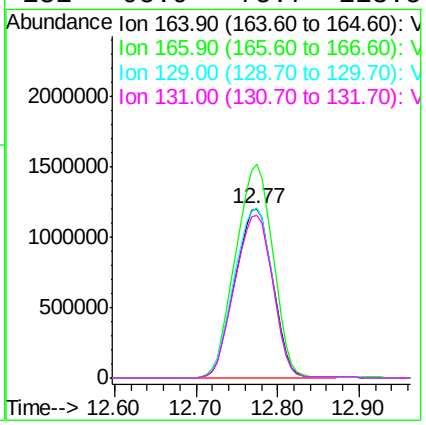


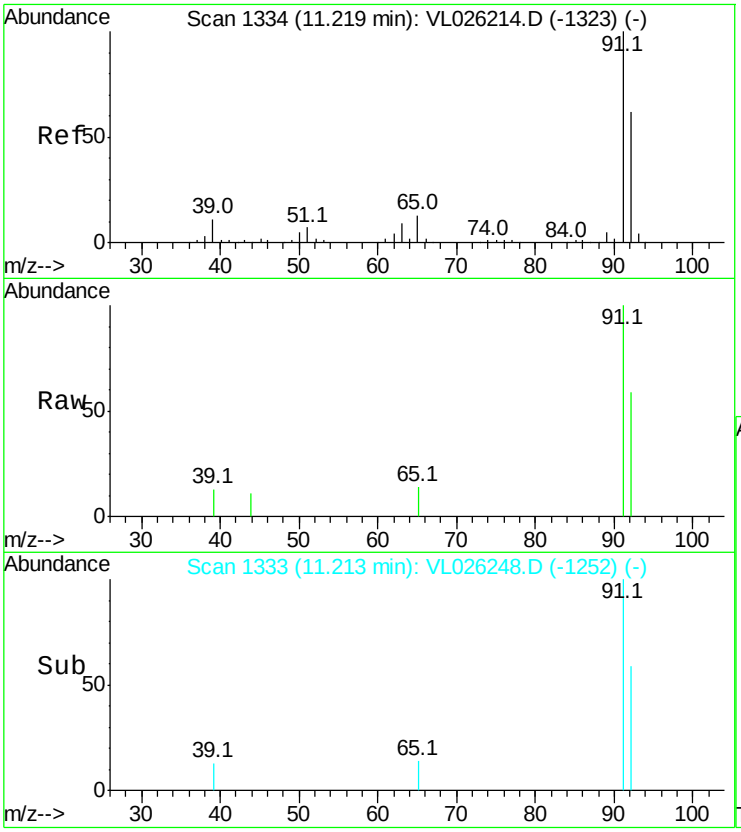


#52
Tetrachloroethene
Concen: 52.69 ppbv
RT: 12.77 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion:164 Resp: 3902136

Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.3	153.5
129	100.4	78.2	117.4
131	95.9	75.7	113.5



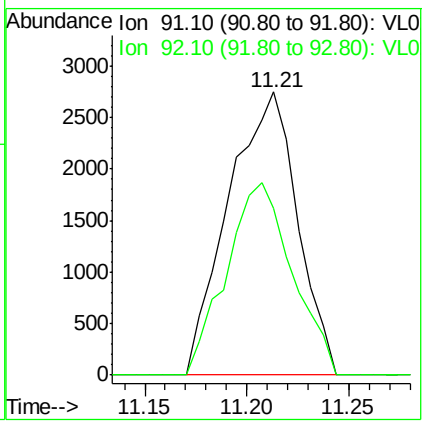


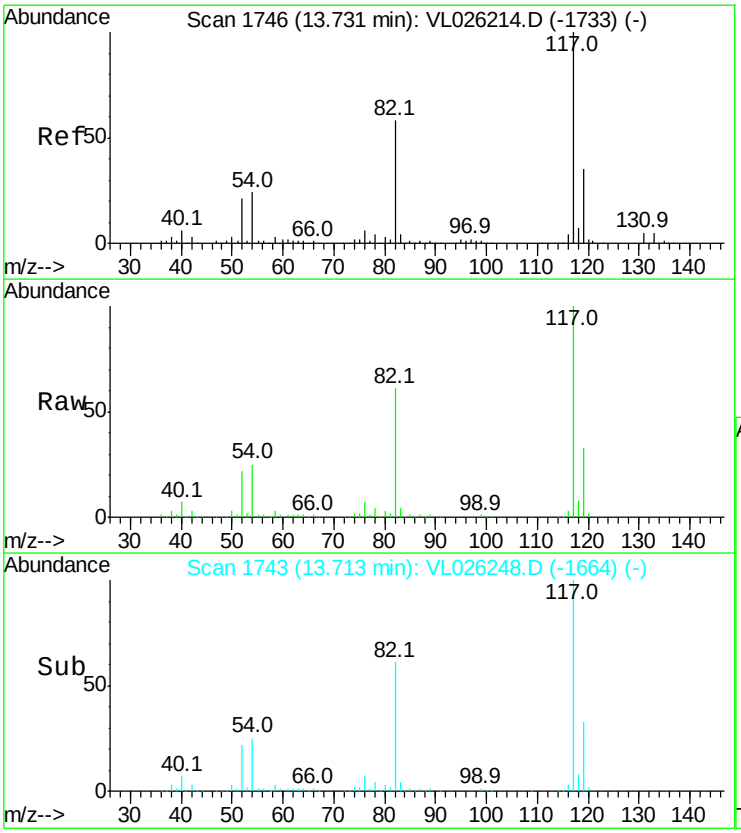
#53
Toluene
Concen: 0.04 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion: 91 Resp: 6453

Ion	Ratio	Lower	Upper
91	100		
92	64.9	49.2	73.8

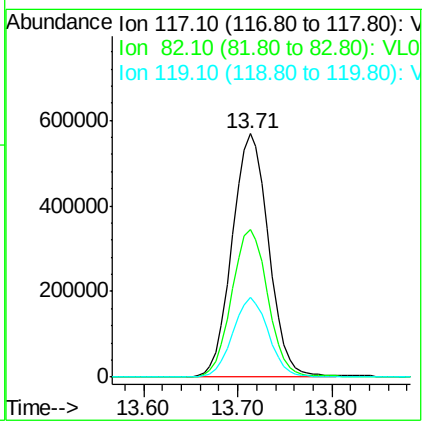


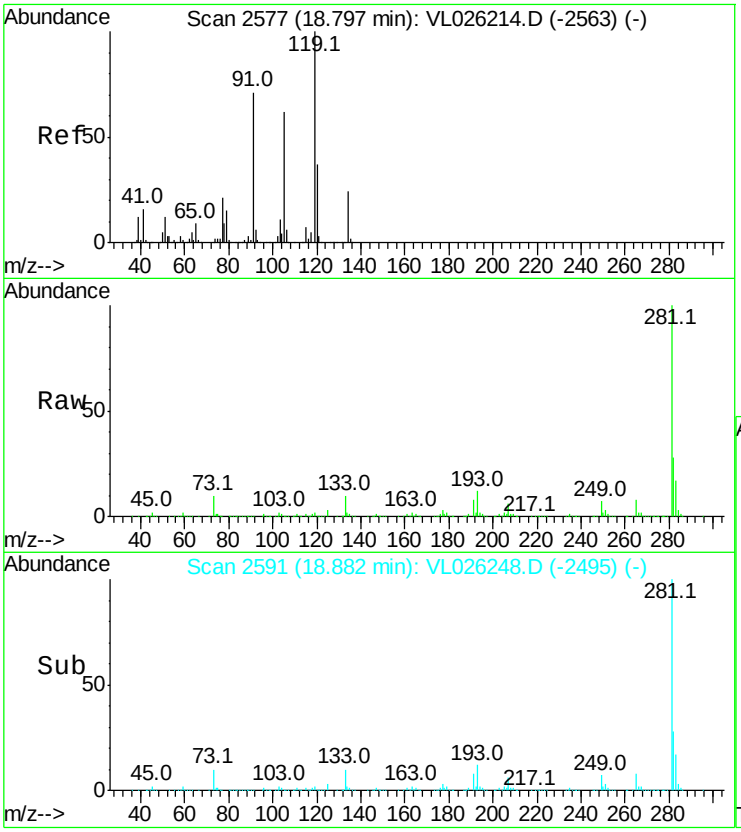


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion:117 Resp: 1543687

Ion	Ratio	Lower	Upper
117	100		
82	61.1	45.8	68.8
119	32.7	45.0	67.4#



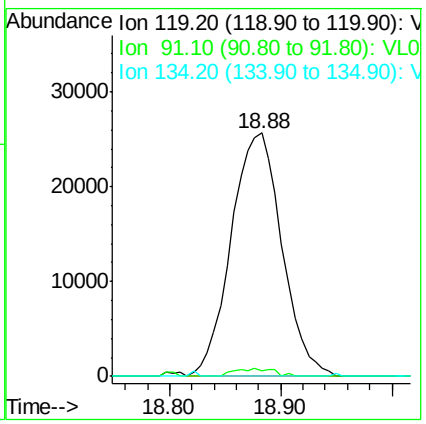


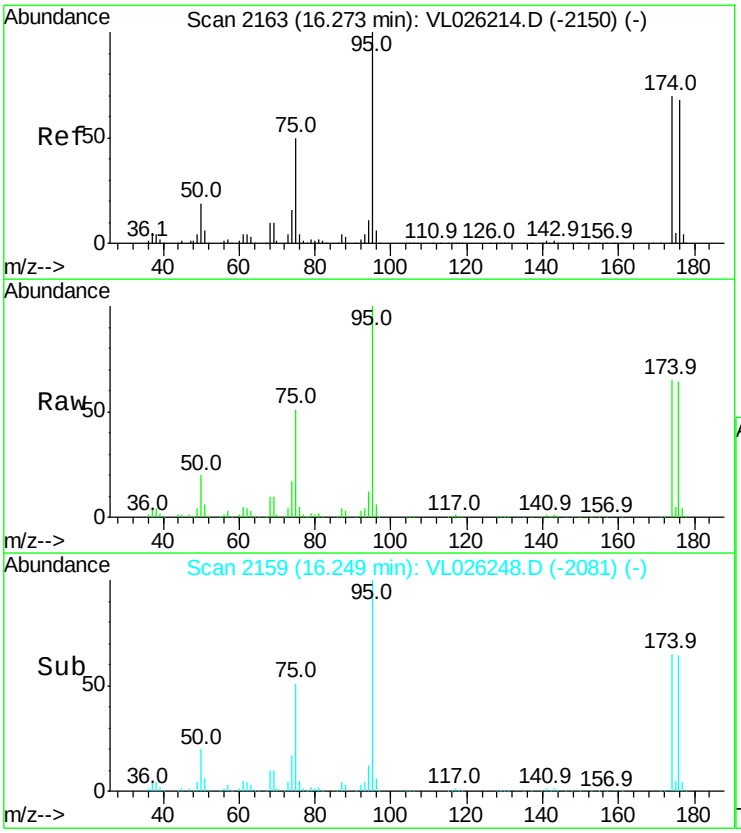
#65
tert-Butylbenzene
Concen: 0.31 ppbv
RT: 18.88 min Scan# 2591
Delta R.T. 0.09 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Instrument : MSVOA_L
ClientSampleId : INFDL2

Tgt Ion:119 Resp: 81104

Ion	Ratio	Lower	Upper
119	100		
91	2.5	57.5	86.3#
134	0.1	18.1	27.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.40 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026248.D
Acq: 21 Oct 2015 21:44

Tgt Ion: 95 Resp: 1238675

Ion	Ratio	Lower	Upper
95	100		
174	66.5	55.8	83.8
175	5.0	4.3	6.5