Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026245.D
Acq On : 21 Oct 2015 19:43
Operator : SY/MD
Sample : G4128-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EFFDL

Quant Time: Oct 22 08:37:09 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	464639	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.29	114	1343318	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.71	117	1622984	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	1307952	10.45	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.62	85	5141	0.05	ppbv	#	86
3) Chlorodifluoromethane	3.56	51	15821	0.27	ppbv	#	85
4) Chloromethane	3.73	50	25034	0.79	ppbv		98
8) Dichlorotetrafluoroethane	3.62	85	5141	0.06	ppbv	#	13
9) Propene	3.57	41	4049	0.15	ppbv		85
10) Heptane	9.32	43	5191	0.06	ppbv		92
11) Trichlorofluoromethane	4.68	101	20293	0.21	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	5.28	101	1364	0.02	ppbv	#	69
13) Ethanol	4.31	45	128	0.03	ppbv	#	36
15) Acetone	4.60	43	124587	1.82	ppbv		91
16) 1,3-Butadiene	3.93	39	10799	0.35	ppbv	#	7
18) 1,1-Dichloroethene	5.06	96	1196	0.04	ppbv		81
19) Isopropyl Alcohol	4.77	45	2046	0.08	ppbv	#	27
20) Methylene Chloride	5.13	84	5019	0.18	ppbv		91
21) Allyl Chloride	5.14	41	989	0.02	ppbv	#	59
22) trans-1,2-Dichloroethene	5.74	96	2792	0.07	ppbv		92
23) Vinyl Acetate	5.98	43	41231	0.33	ppbv	#	68
25) Ethyl Acetate	6.63	43	7716	0.06	ppbv	#	75
26) Hexane	6.63	57	10127	0.16	ppbv	#	51
29) Chloroform	6.71	83	2710	0.03	ppbv		84
30) Cyclohexane	8.26	84	1972	0.03	ppbv	#	17
31) cis-1,2-Dichloroethene	6.49	61	323680	5.56	ppbv		99
34) 2-Butanone	6.21	43	23465	0.31	ppbv		99
36) Benzene	7.99	78	4961	0.04	ppbv	#	92
38) Trichloroethene	9.03	130	223688	3.37	ppbv		100
41) Tetrahydrofuran	7.15	42	1164	0.03	ppbv	#	34
42) Bromodichloromethane	9.03	83	2991	0.03	ppbv	#	92
51) 2-Hexanone	11.63	43	6204	0.06	ppbv	#	85
52) Tetrachloroethene	12.76	164	756066	9.64	ppbv		99
53) Toluene	11.21	91	6916	0.04	ppbv		97
59) m/p-Xylene	14.65	91	6505	0.03	ppbv		90
64) n-propylbenzene	17.70	120	1676	0.02	ppbv	#	1
74) 1,2,4-Trimethylbenzene	18.79	105	15363	0.06	ppbv	#	73

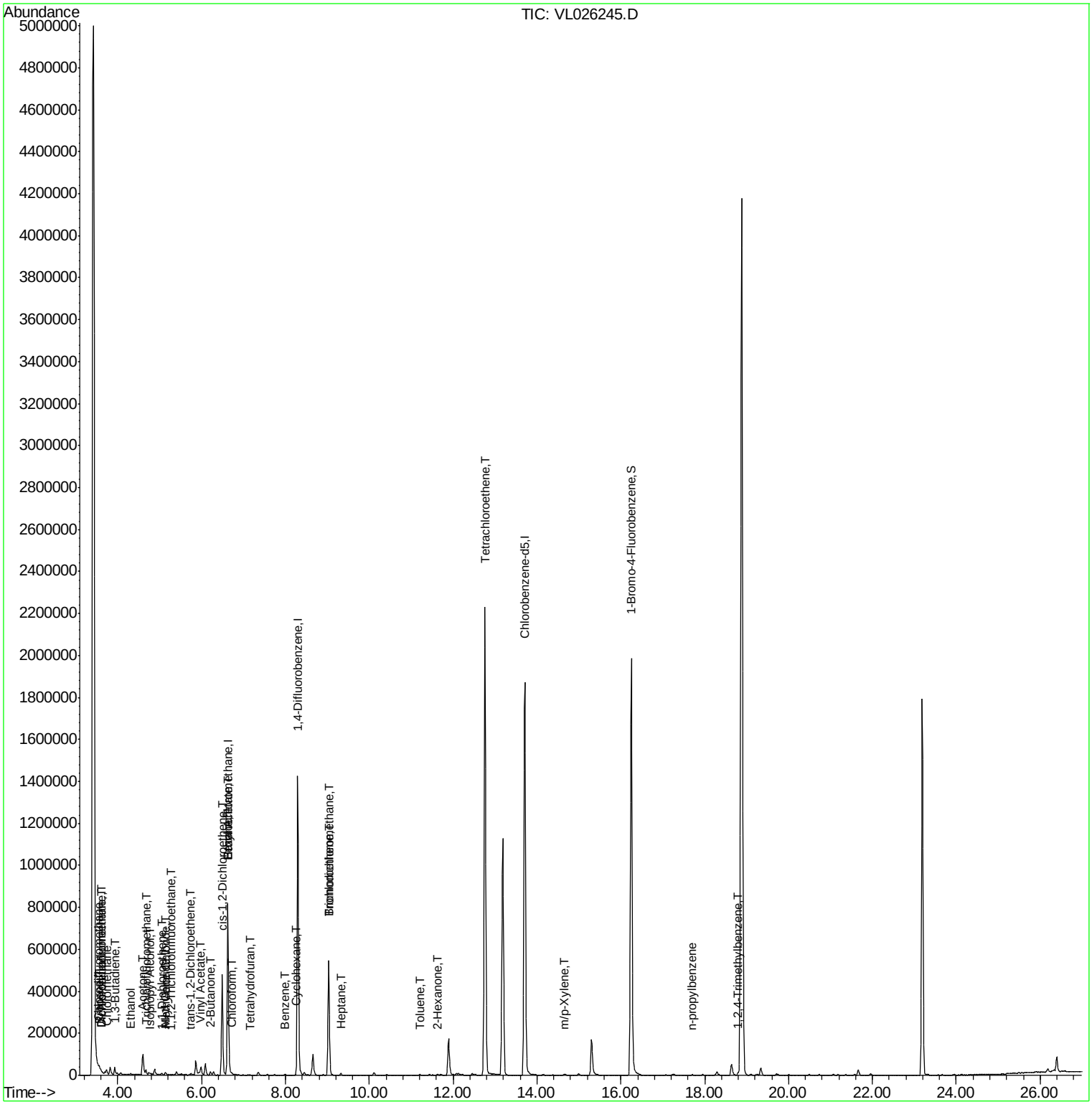
(#) = qualifier out of range (m) = manual integration (+) = signals summed

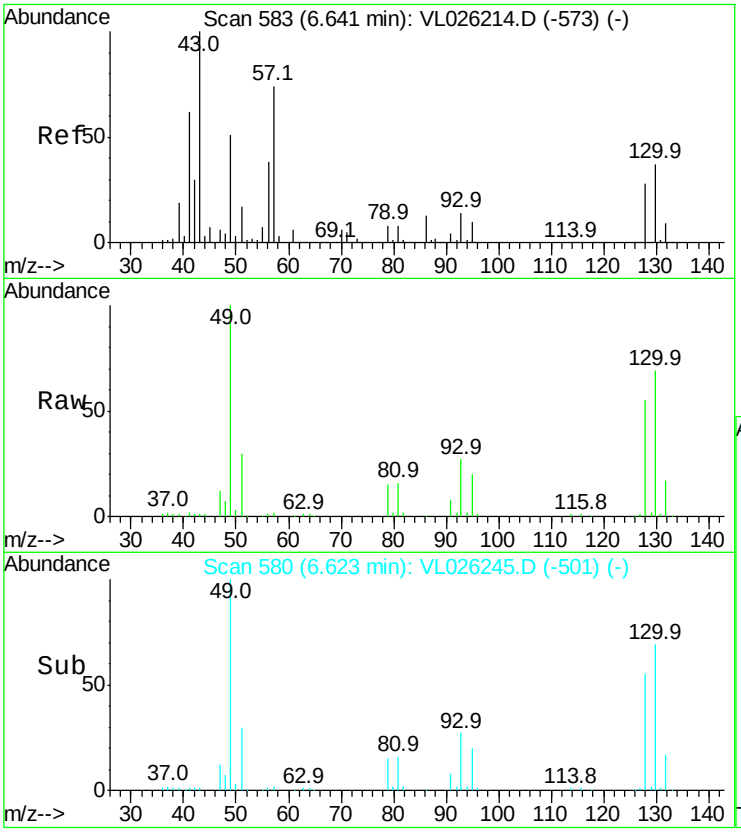
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102115\
Data File : VL026245.D
Acq On : 21 Oct 2015 19:43
Operator : SY/MD
Sample : G4128-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EFFDL

Quant Time: Oct 22 08:37:09 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



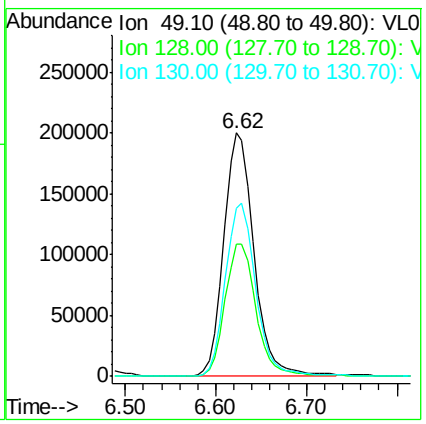


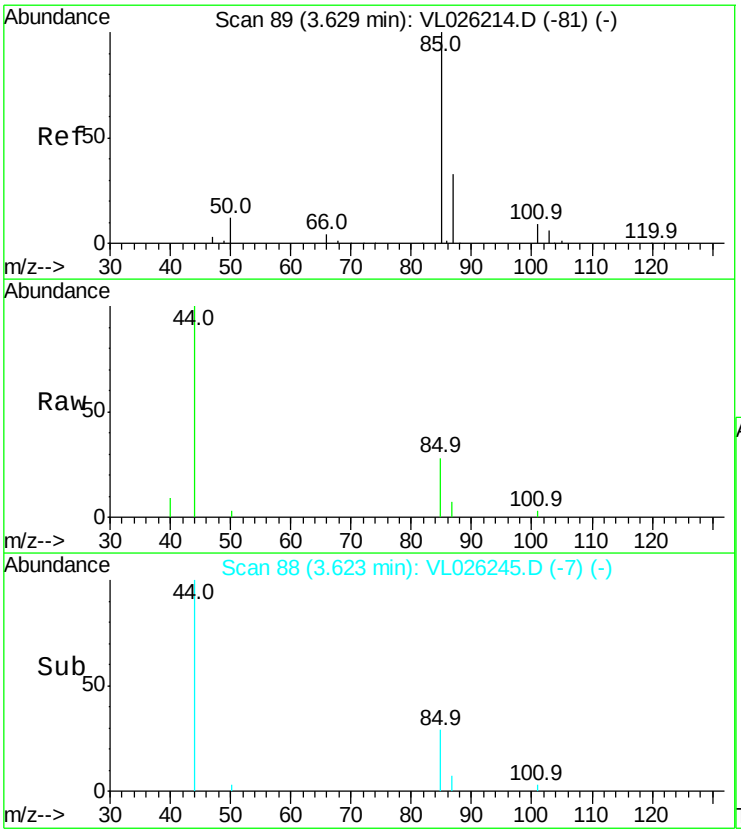
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.62 min Scan# 580
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion: 49 Resp: 464639

Ion	Ratio	Lower	Upper
49	100		
128	56.6	28.2	84.7
130	72.5	36.0	108.1

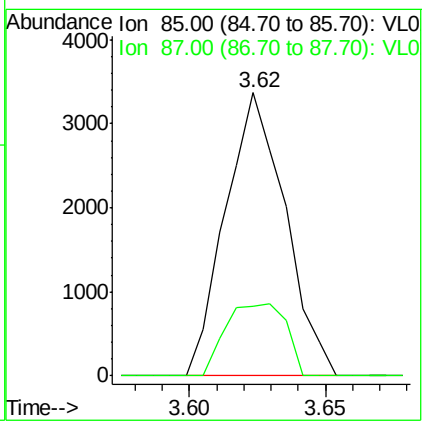


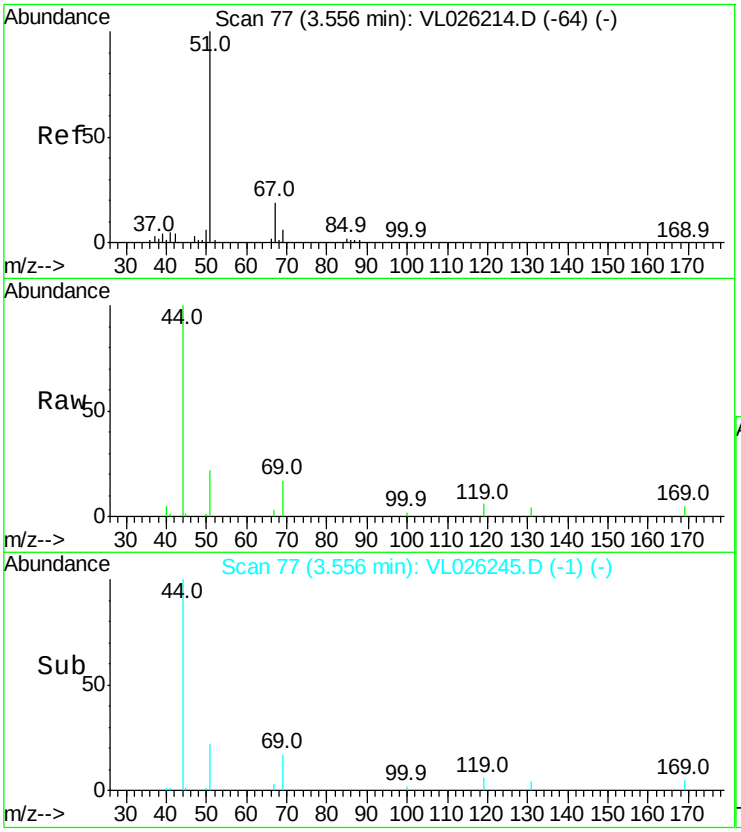


#2
Dichlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 85 Resp: 5141

Ion	Ratio	Lower	Upper
85	100		
87	24.8	26.1	39.1#



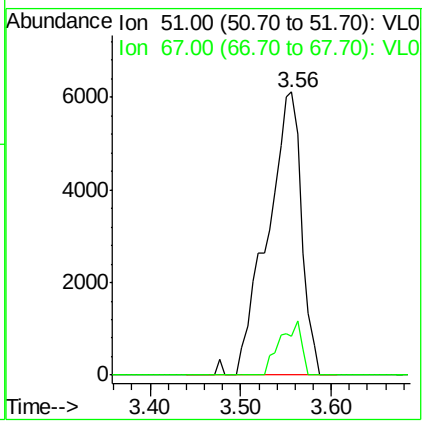


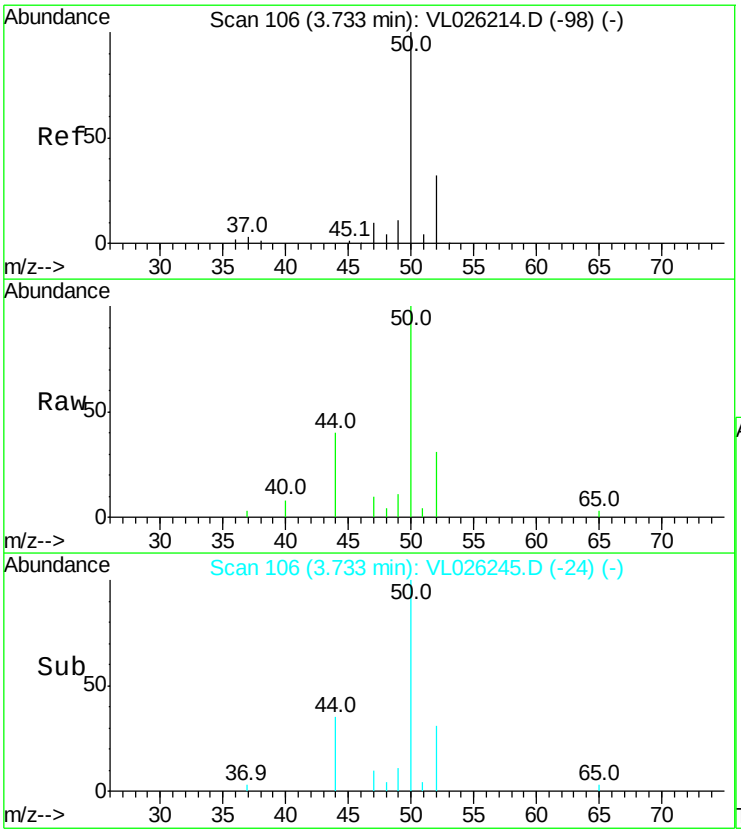
#3
Chlorodifluoromethane
Concen: 0.27 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion: 51 Resp: 15821

Ion	Ratio	Lower	Upper
51	100		
67	12.1	15.3	22.9#

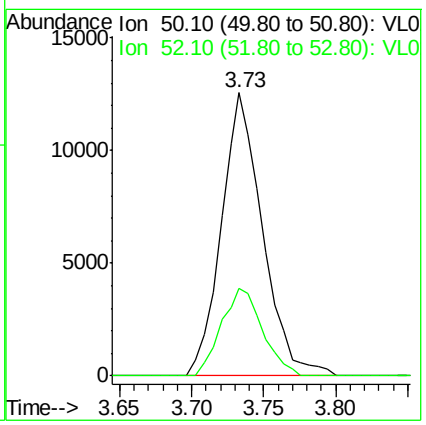


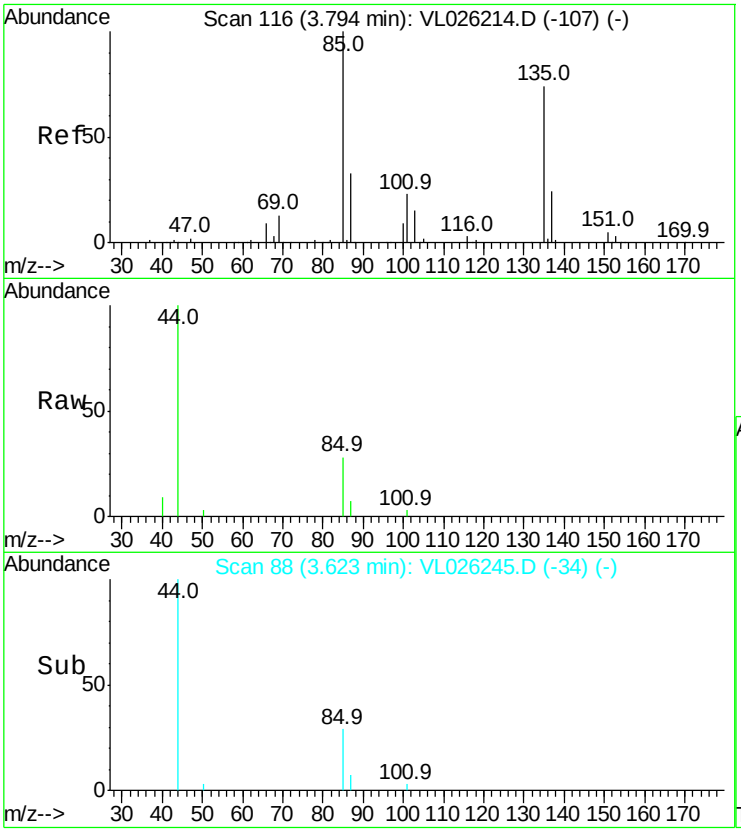


#4
Chloromethane
Concen: 0.79 ppbv
RT: 3.73 min Scan# 106
Delta R.T. 0.00 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 50 Resp: 25034

Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.8	38.6



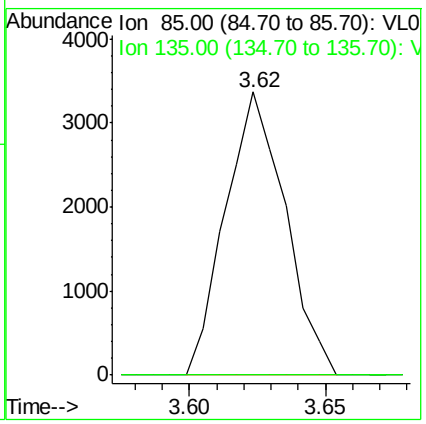


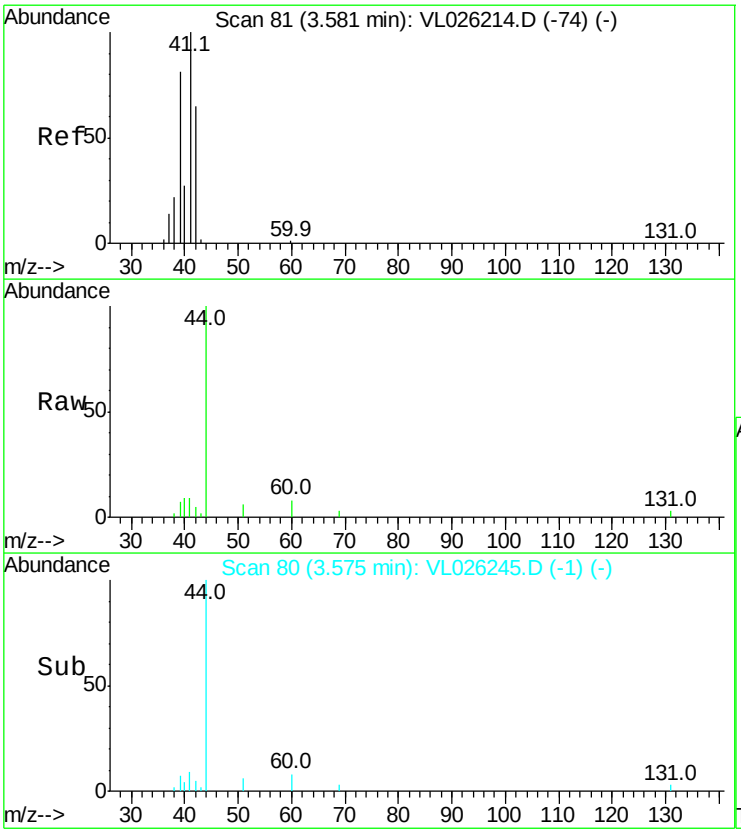
#8
Dichlorotetrafluoroethane
Concen: 0.06 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.17 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 85 Resp: 5141

Ion	Ratio	Lower	Upper
85	100		
135	0.0	57.8	86.8#

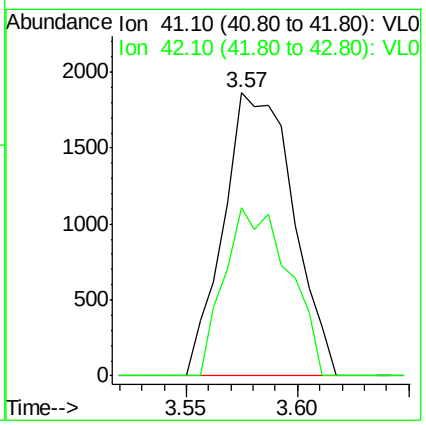


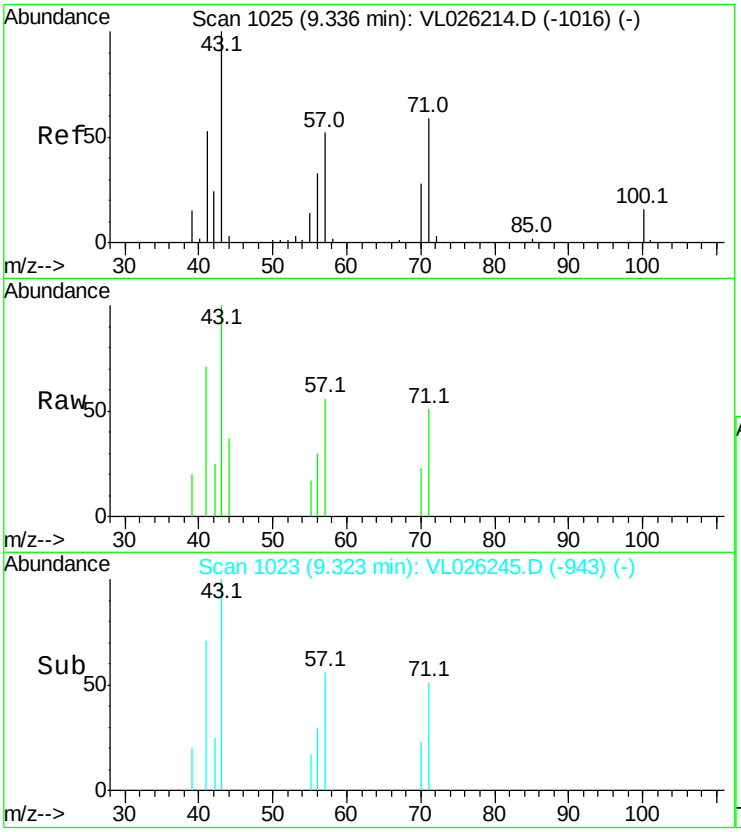


#9
Propene
Concen: 0.15 ppbv
RT: 3.57 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 41 Resp: 4049

Ion	Ratio	Lower	Upper
41	100		
42	54.9	53.8	80.8



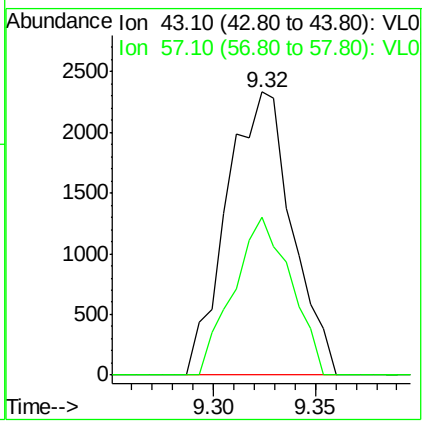


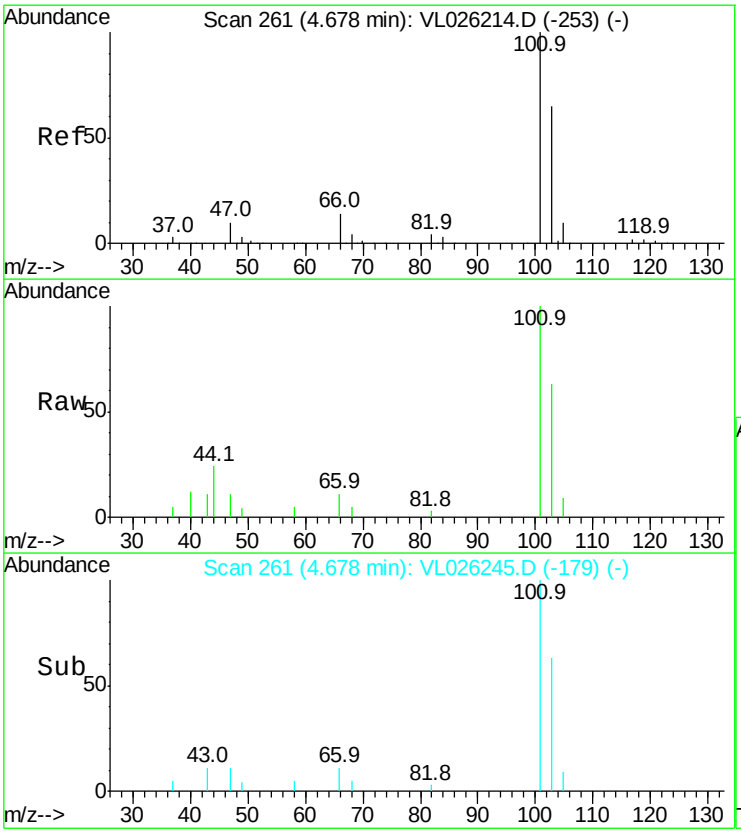
#10
Heptane
Concen: 0.06 ppbv
RT: 9.32 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion: 43 Resp: 5191

Ion	Ratio	Lower	Upper
43	100		
57	49.0	43.7	65.5

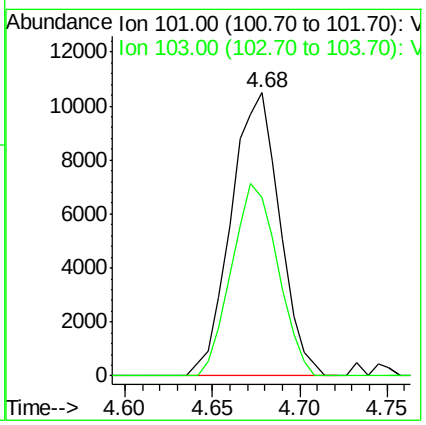


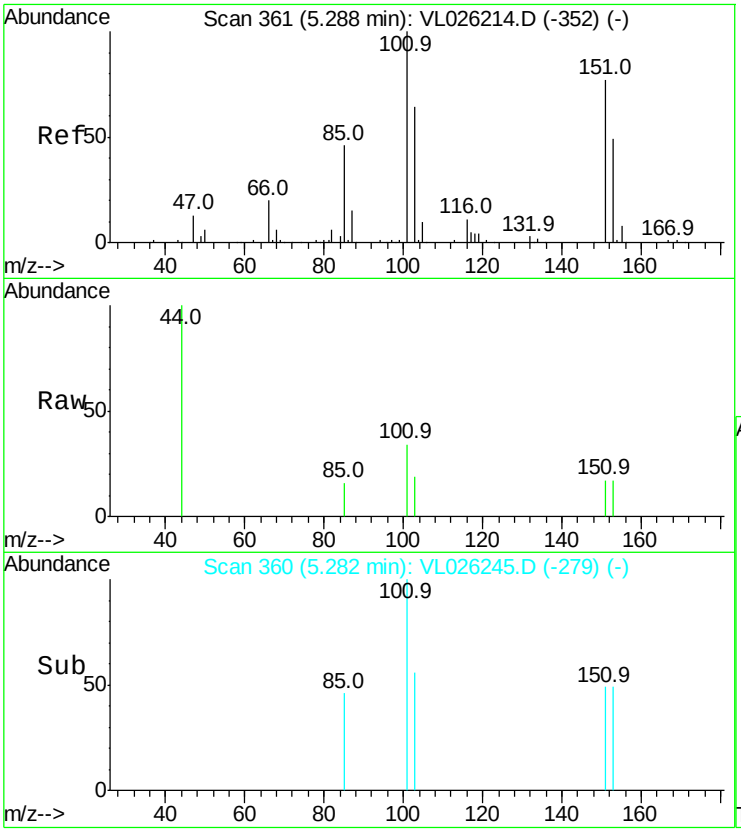


#11
Trichlorofluoromethane
Concen: 0.21 ppbv
RT: 4.68 min Scan# 261
Delta R.T. 0.00 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion:101 Resp: 20293

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.2	78.2



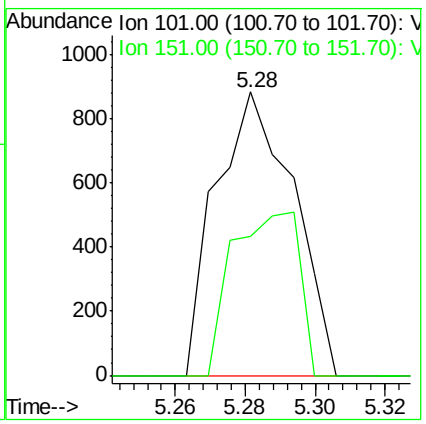


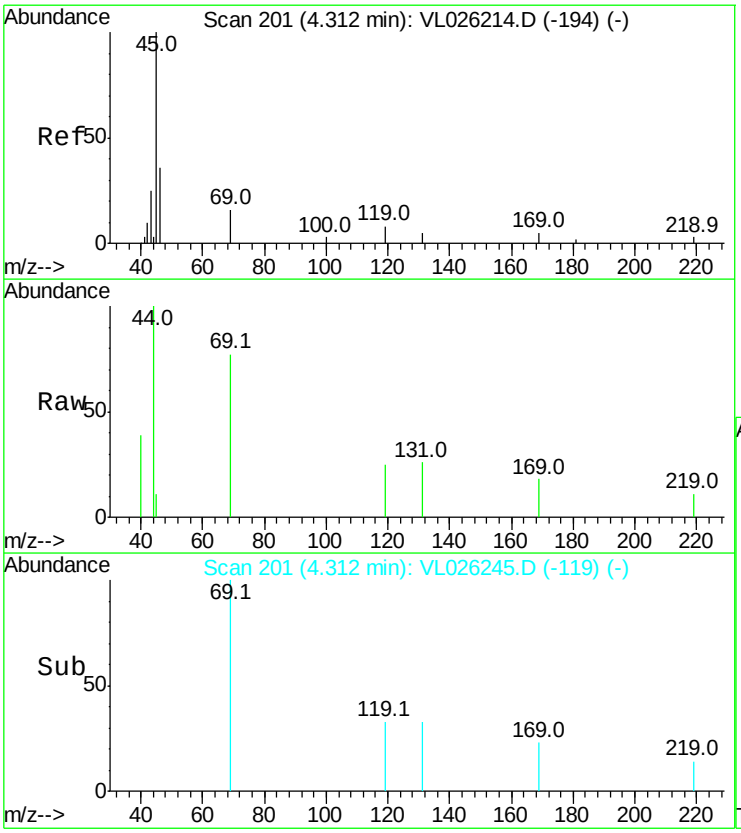
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.02 ppbv
RT: 5.28 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion:101 Resp: 1364

Ion	Ratio	Lower	Upper
101	100		
151	49.9	61.7	92.5#

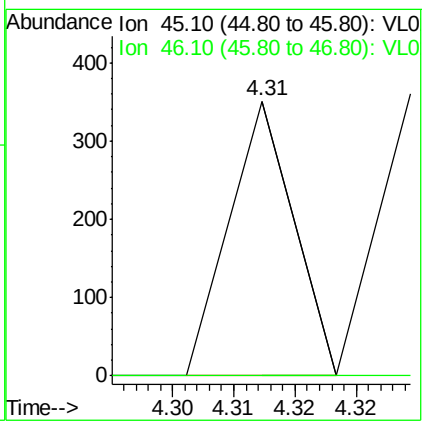


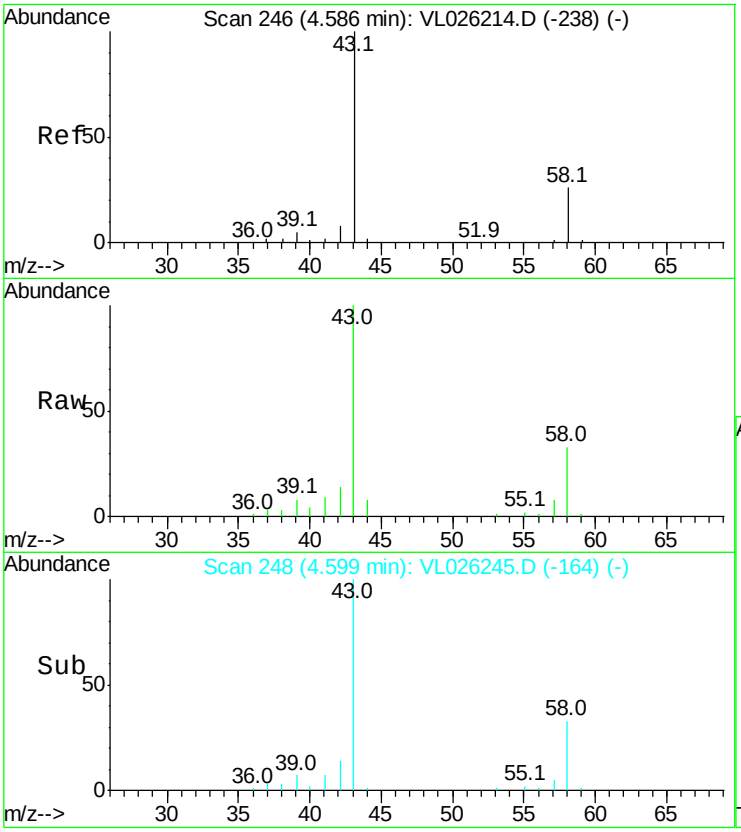


#13
Ethanol
Concen: 0.03 ppbv
RT: 4.31 min Scan# 201
Delta R.T. 0.00 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 45 Resp: 128

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.8	63.0#



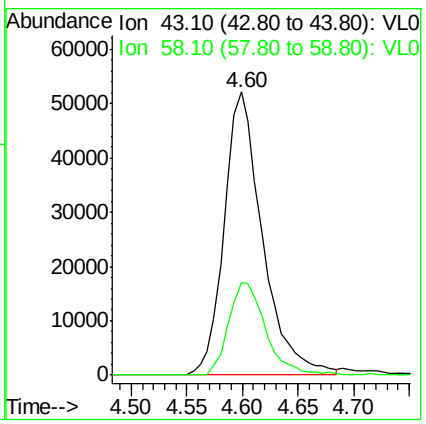


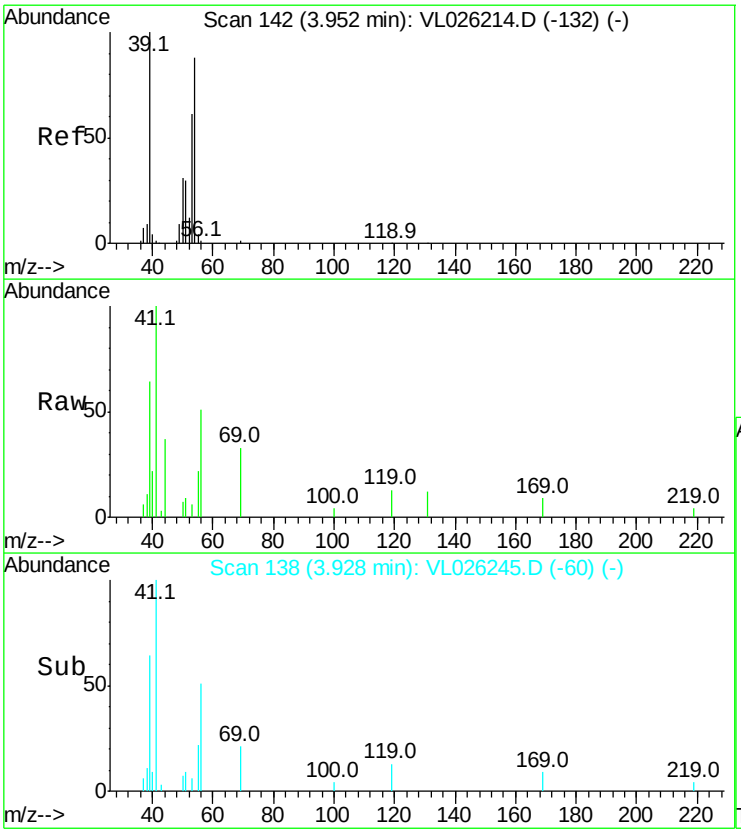
#15
Acetone
Concen: 1.82 ppbv
RT: 4.60 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 43 Resp: 124587

Ion	Ratio	Lower	Upper
43	100		
58	31.6	21.8	32.6

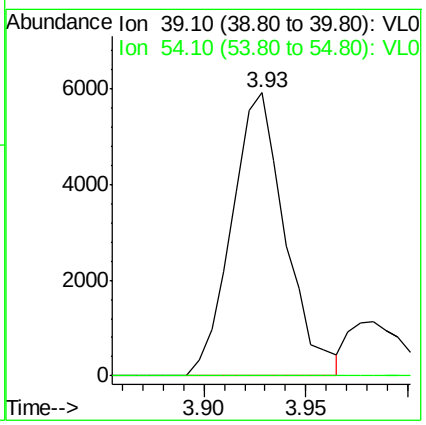


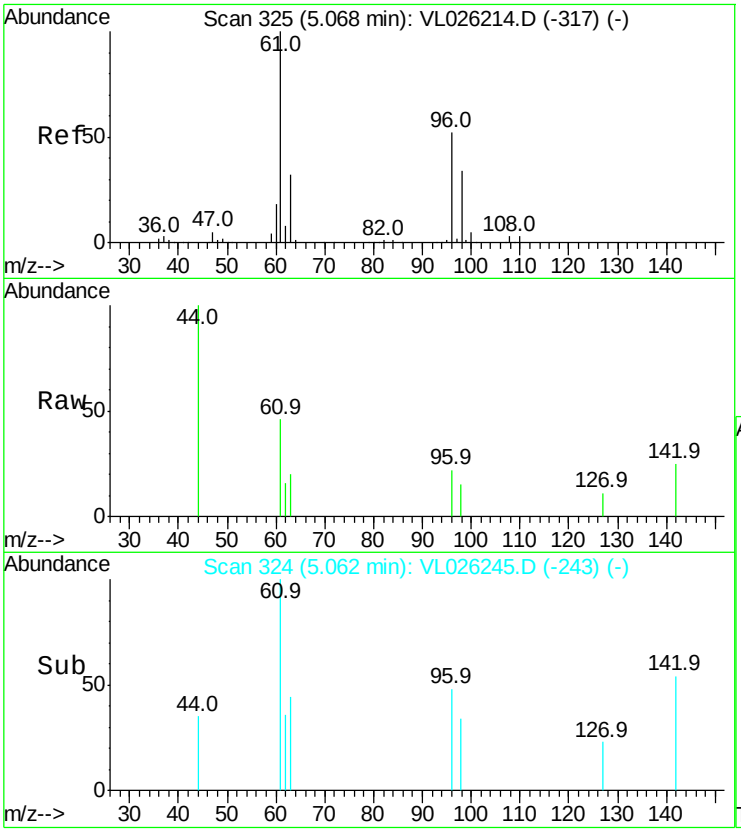


#16
1,3-Butadiene
Concen: 0.35 ppbv
RT: 3.93 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 39 Resp: 10799

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.3	100.9#



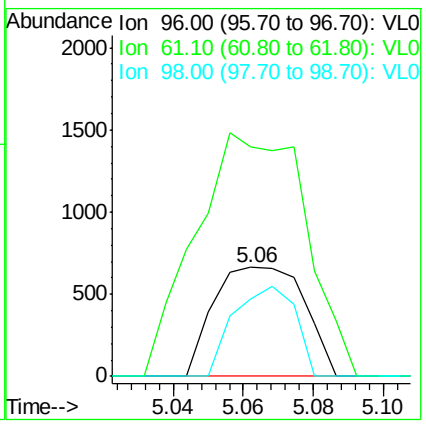


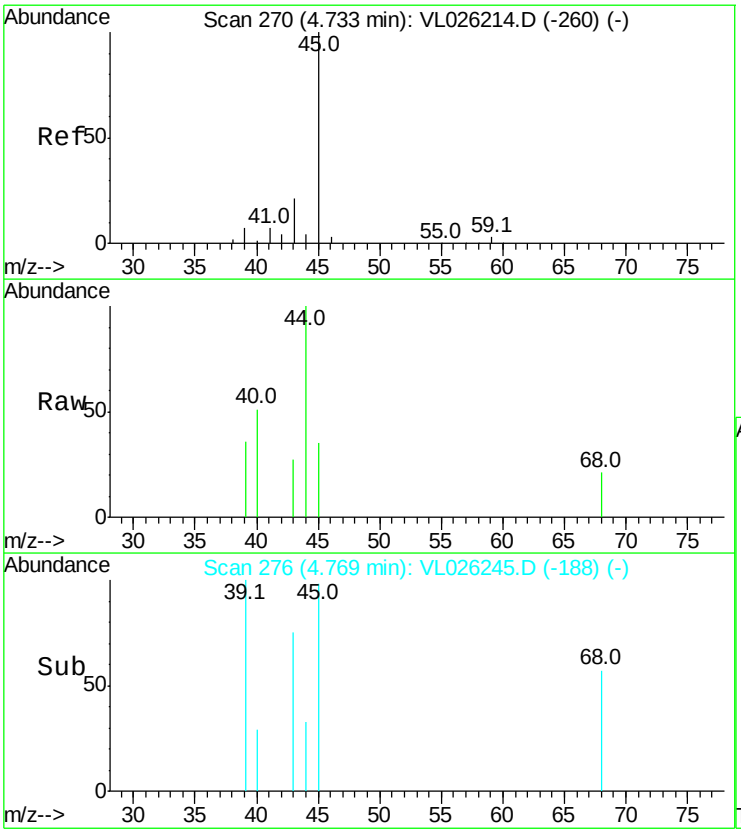
#18
1,1-Dichloroethene
Concen: 0.04 ppbv
RT: 5.06 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 96 Resp: 1196

Ion	Ratio	Lower	Upper
96	100		
61	159.2	153.7	230.5
98	70.9	51.6	77.4

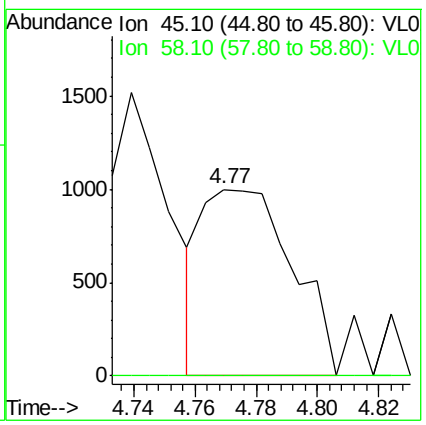


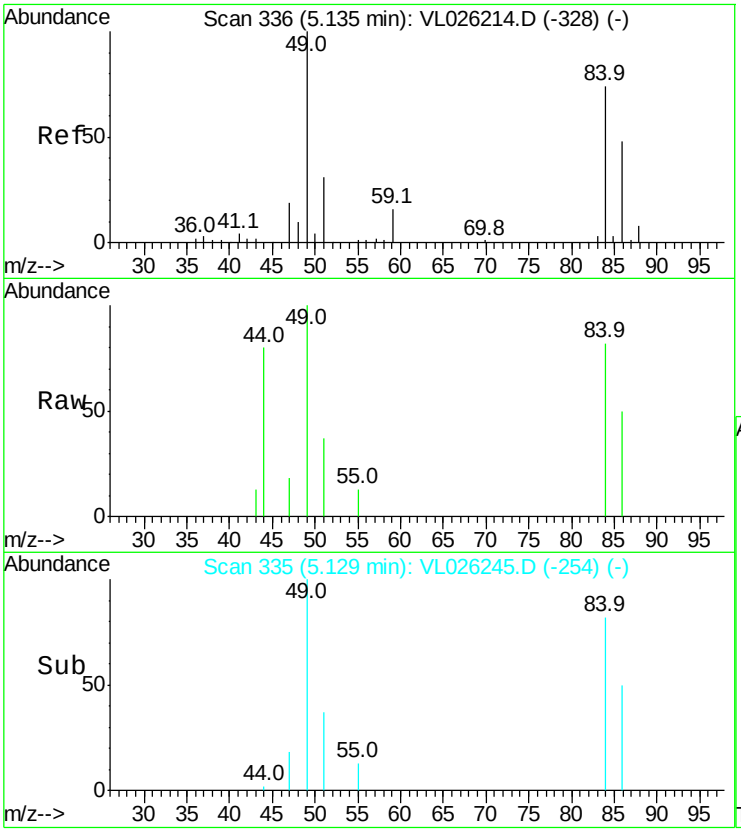


#19
Isopropyl Alcohol
Concen: 0.08 ppbv
RT: 4.77 min Scan# 276
Delta R.T. 0.04 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 45 Resp: 2046

Ion	Ratio	Lower	Upper
45	100		
58	0.0	40.3	60.5#



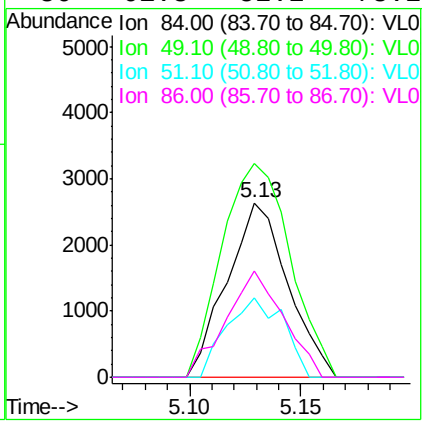


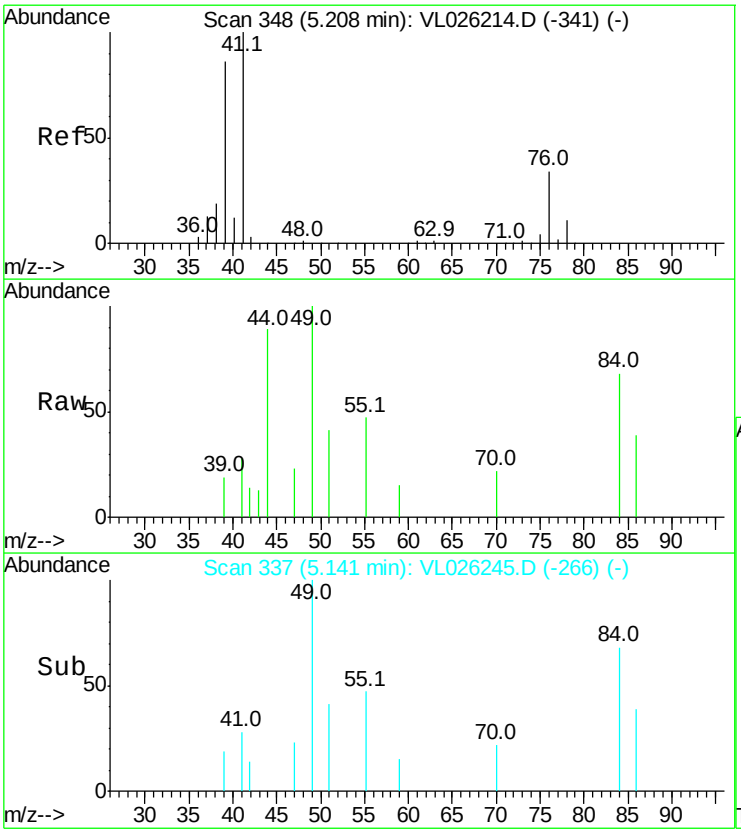
#20
Methylene Chloride
Concen: 0.18 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 84 Resp: 5019

Ion	Ratio	Lower	Upper
84	100		
49	122.4	108.7	163.1
51	45.8	33.7	50.5
86	61.3	52.2	78.2

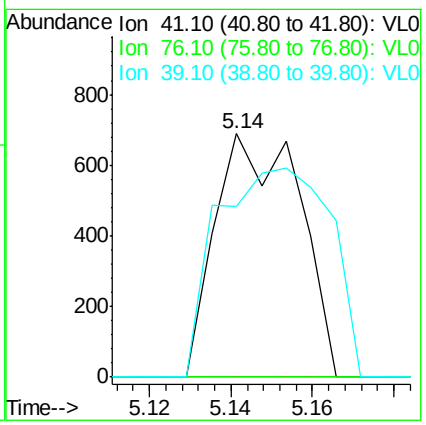


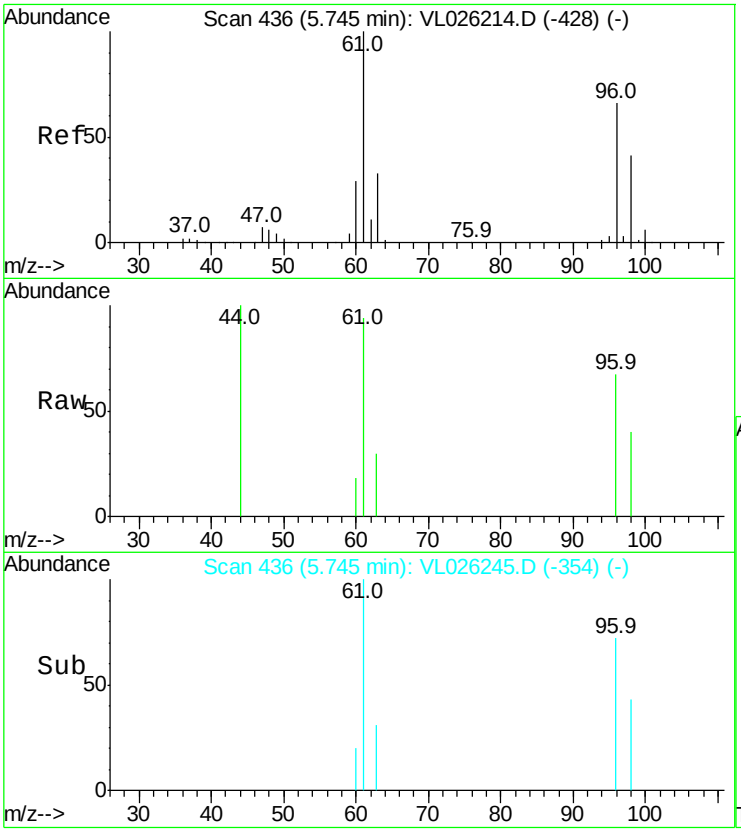


#21
Allyl Chloride
Concen: 0.02 ppbv
RT: 5.14 min Scan# 337
Delta R.T. -0.07 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 41 Resp: 989

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	39.8#
39	115.2	67.4	101.2#



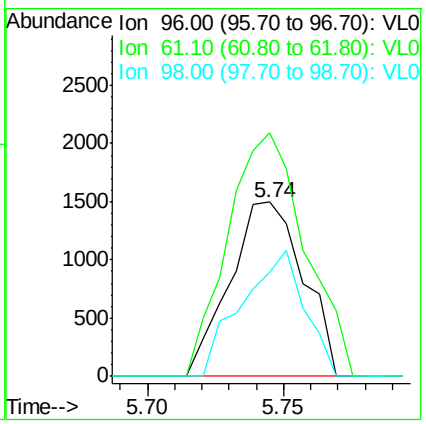


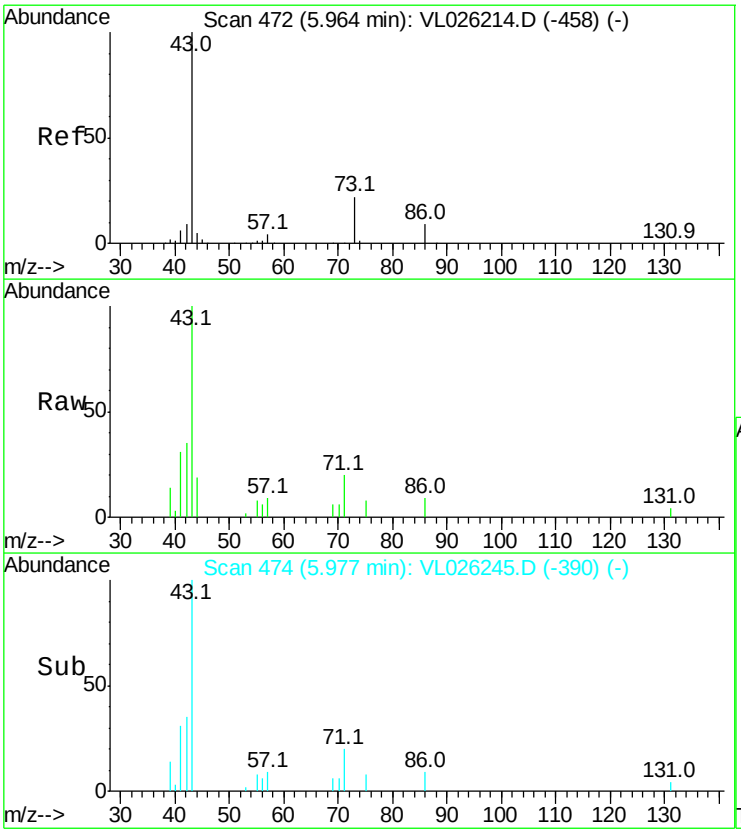
#22
trans-1,2-Dichloroethene
Concen: 0.07 ppbv
RT: 5.74 min Scan# 436
Delta R.T. 0.00 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 96 Resp: 2792

Ion	Ratio	Lower	Upper
96	100		
61	139.7	121.5	182.3
98	59.5	49.7	74.5

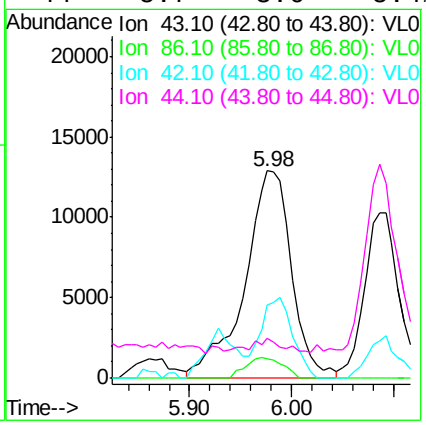


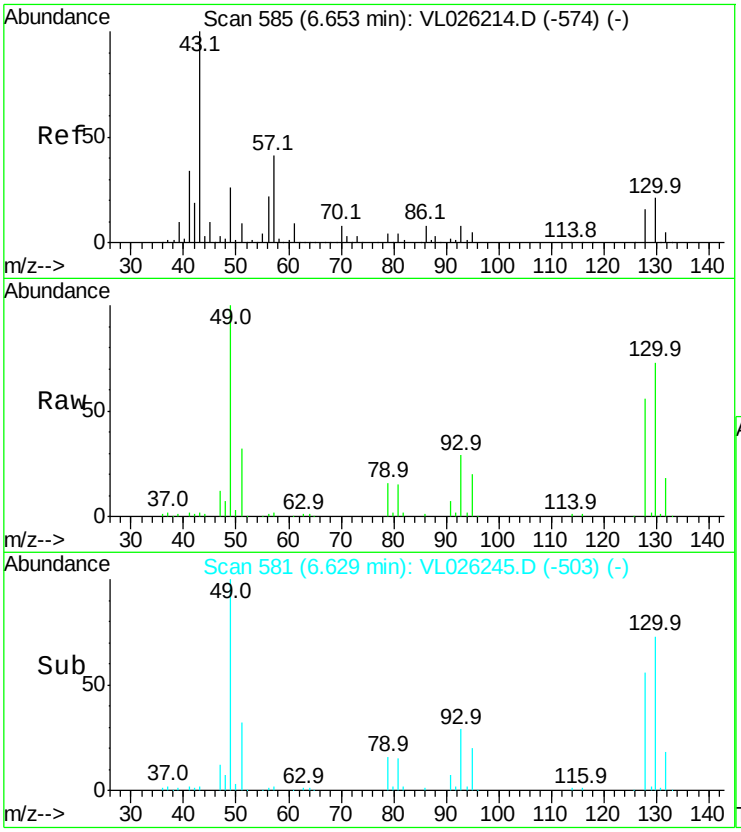


#23
Vinyl Acetate
Concen: 0.33 ppbv
RT: 5.98 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 43 Resp: 41231

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.0	10.6
42	36.5	7.5	11.3#
44	5.7	3.6	5.4#



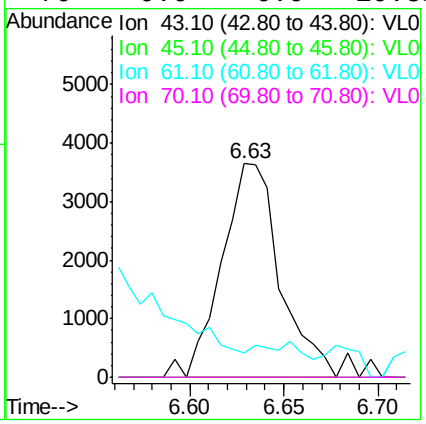


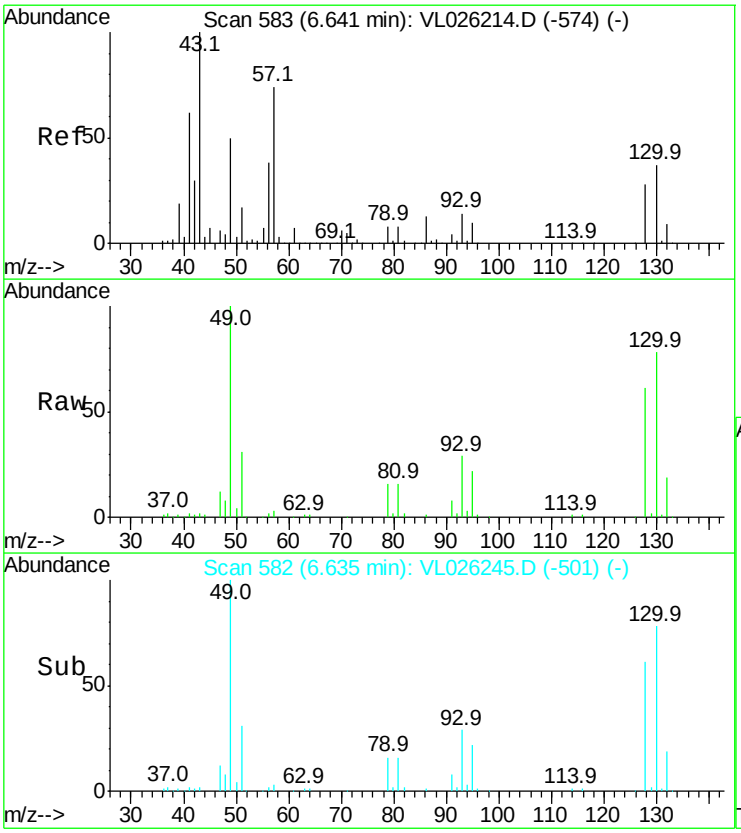
#25
Ethyl Acetate
Concen: 0.06 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 43 Resp: 7716

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

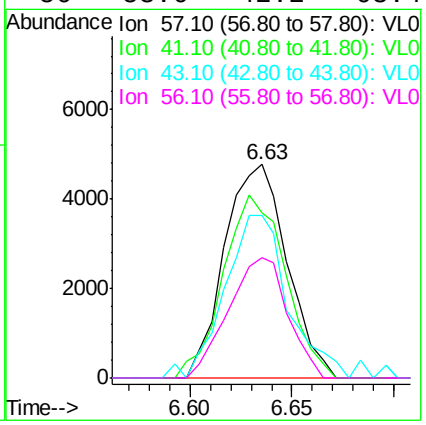


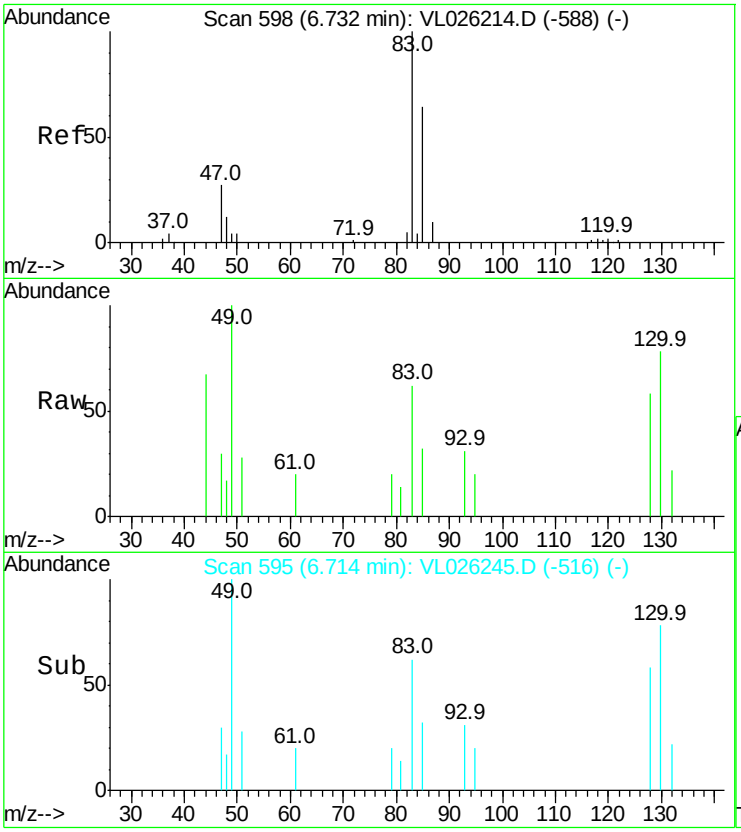


#26
Hexane
Concen: 0.16 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 57 Resp: 10127

Ion	Ratio	Lower	Upper
57	100		
41	85.7	68.1	102.1
43	79.9	163.4	245.2#
56	53.6	42.2	63.4



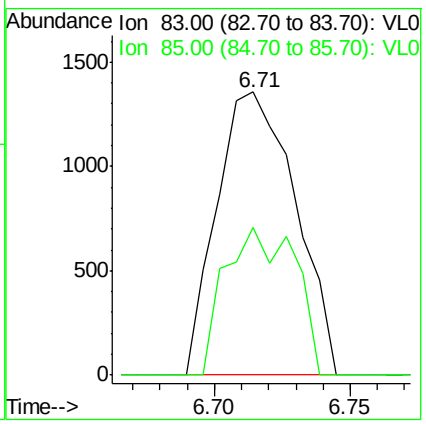


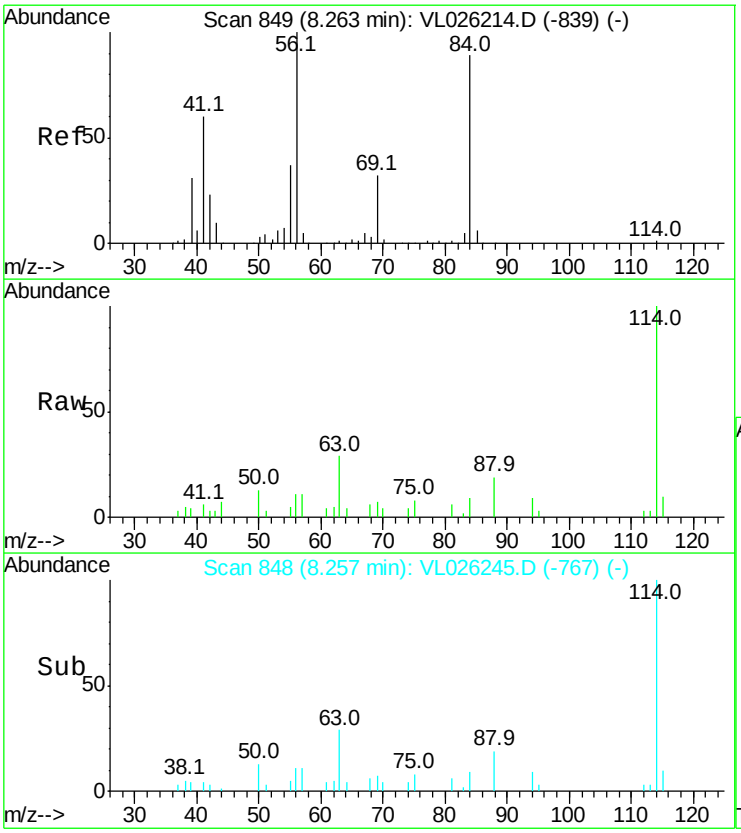
#29
Chloroform
Concen: 0.03 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion: 83 Resp: 2710

Ion	Ratio	Lower	Upper
83	100		
85	52.0	51.5	77.3

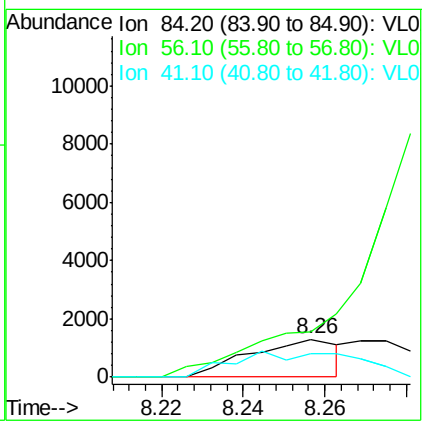


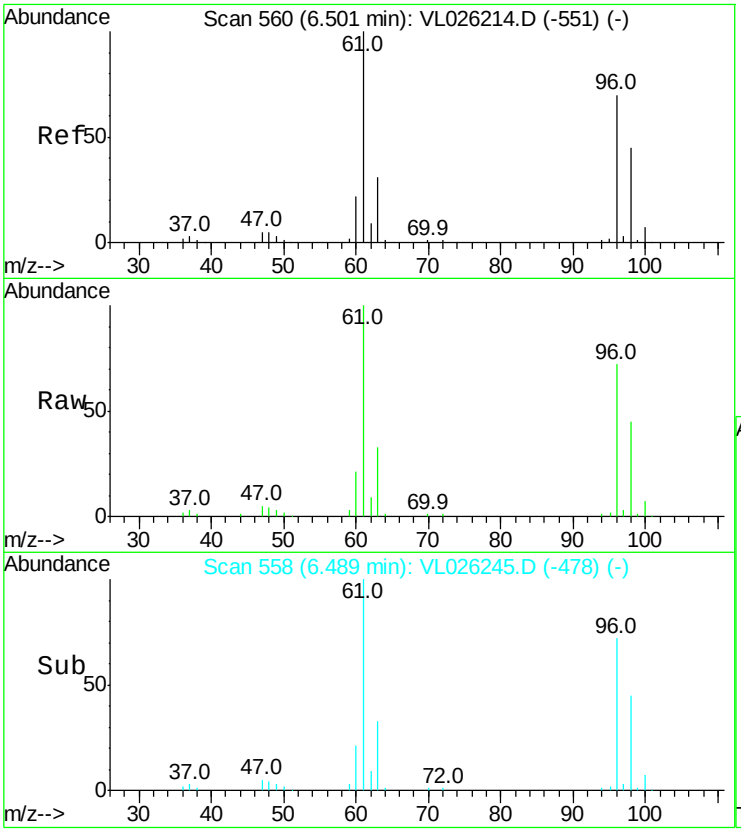


#30
Cyclohexane
Concen: 0.03 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 84 Resp: 1972

Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	99.3	54.8	82.2#



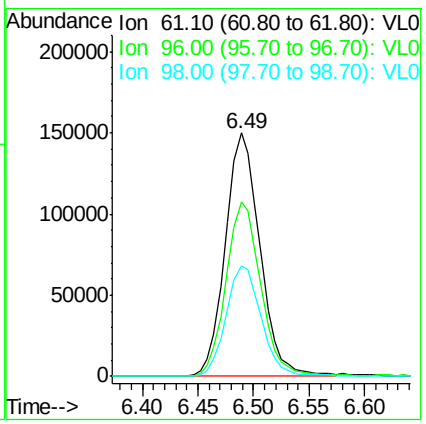


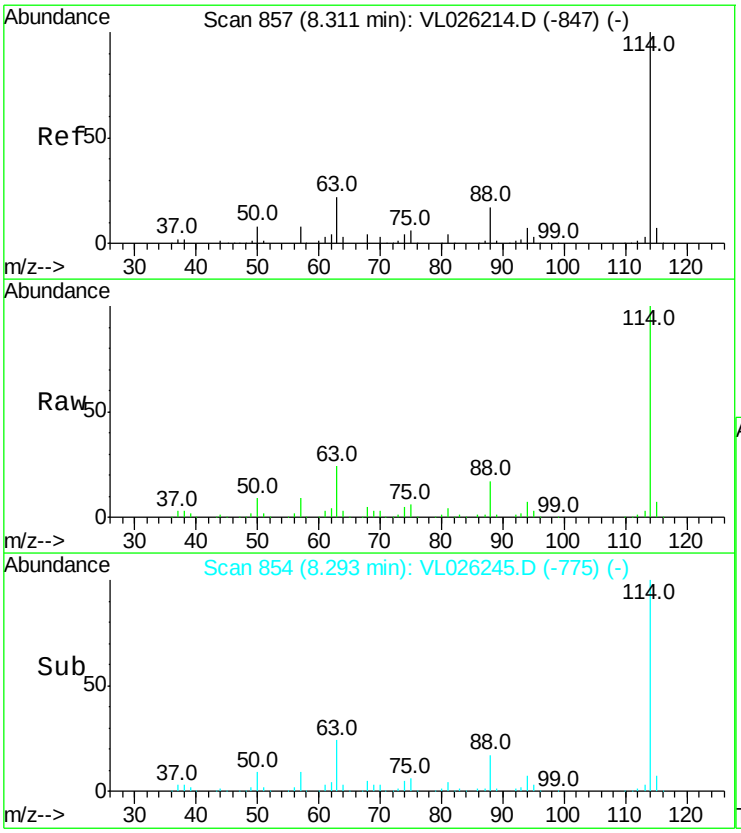
#31
cis-1,2-Dichloroethene
Concen: 5.56 ppbv
RT: 6.49 min Scan# 558
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion: 61 Resp: 323680

Ion	Ratio	Lower	Upper
61	100		
96	71.7	56.0	84.0
98	45.2	36.1	54.1

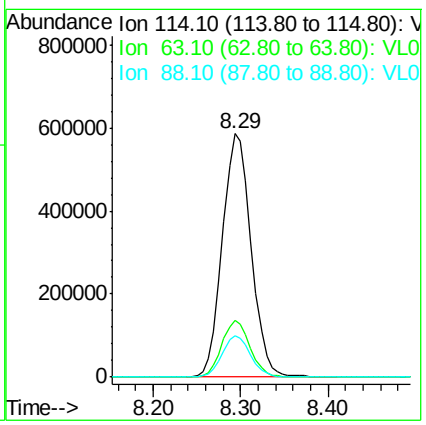


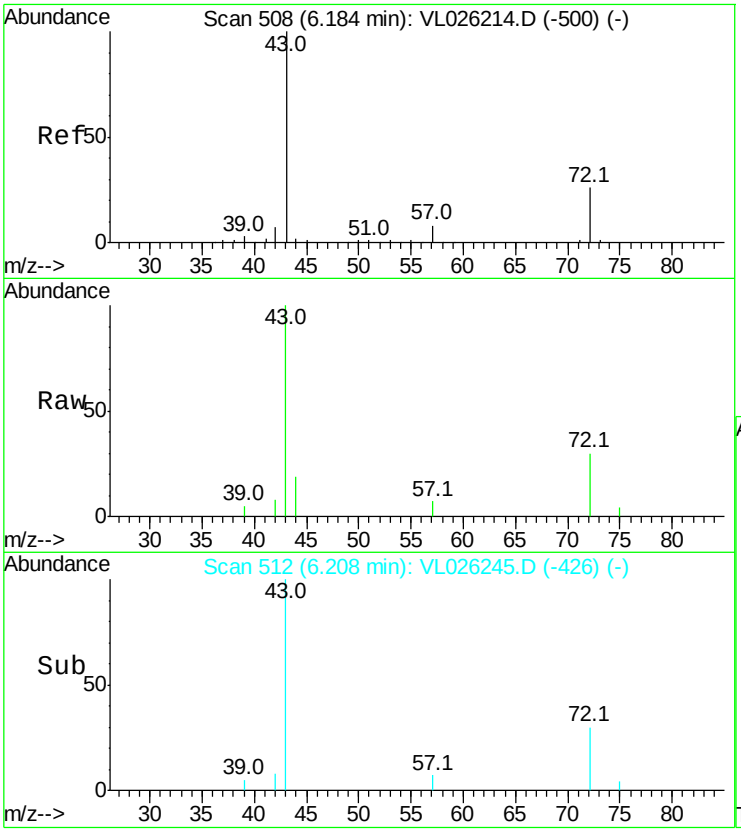


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion:114 Resp: 1343318

Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.2	27.4
88	16.8	13.5	20.3



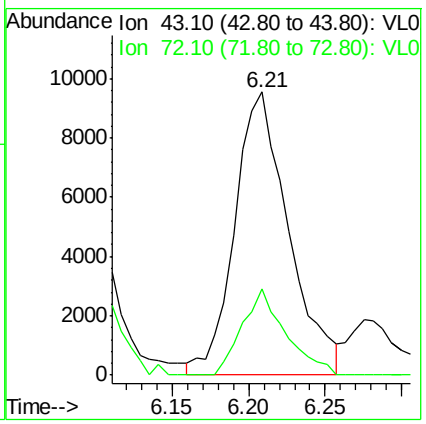


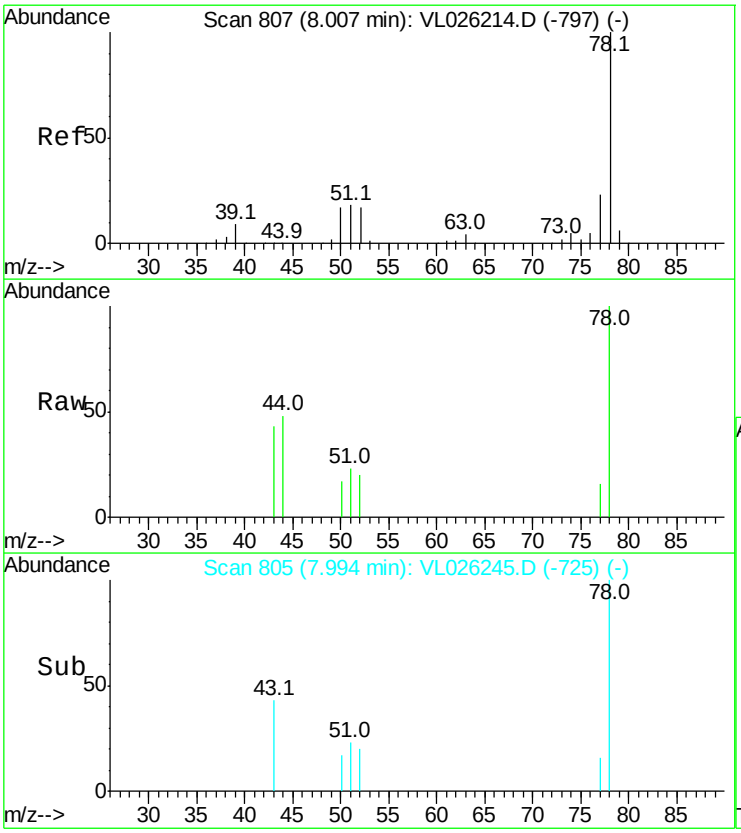
#34
2-Butanone
Concen: 0.31 ppbv
RT: 6.21 min Scan# 512
Delta R.T. 0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion: 43 Resp: 23465

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

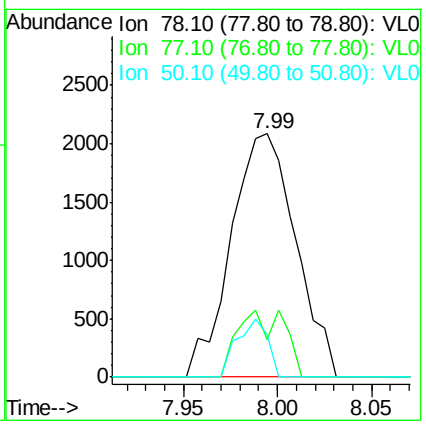


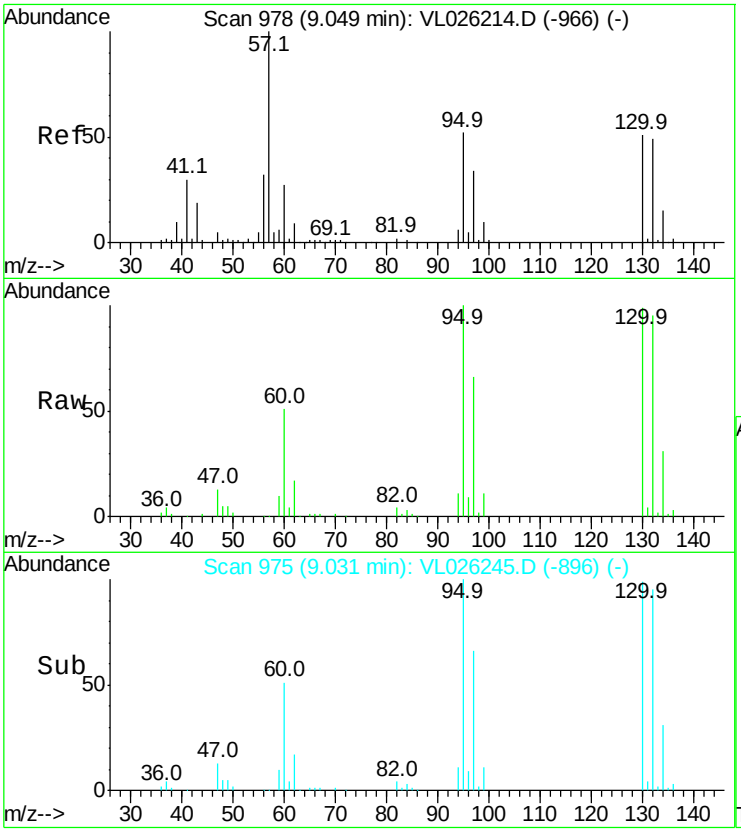


#36
Benzene
Concen: 0.04 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 78 Resp: 4961

Ion	Ratio	Lower	Upper
78	100		
77	15.5	18.1	27.1#
50	17.4	13.8	20.8



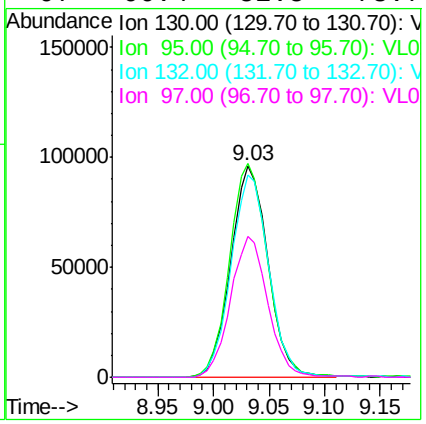


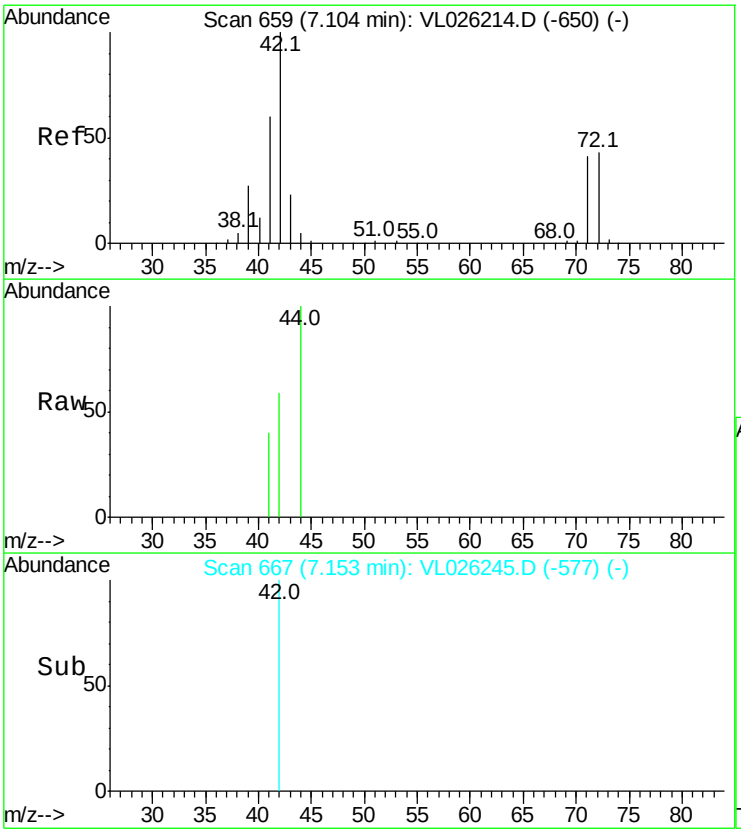
#38
Trichloroethene
Concen: 3.37 ppbv
RT: 9.03 min Scan# 975
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion:130 Resp: 223688

Ion	Ratio	Lower	Upper
130	100		
95	101.0	81.0	121.4
132	95.5	76.5	114.7
97	66.4	52.5	78.7

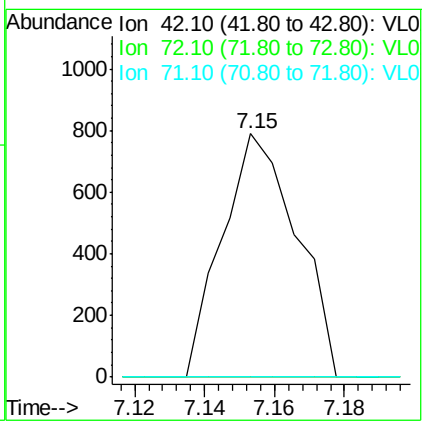


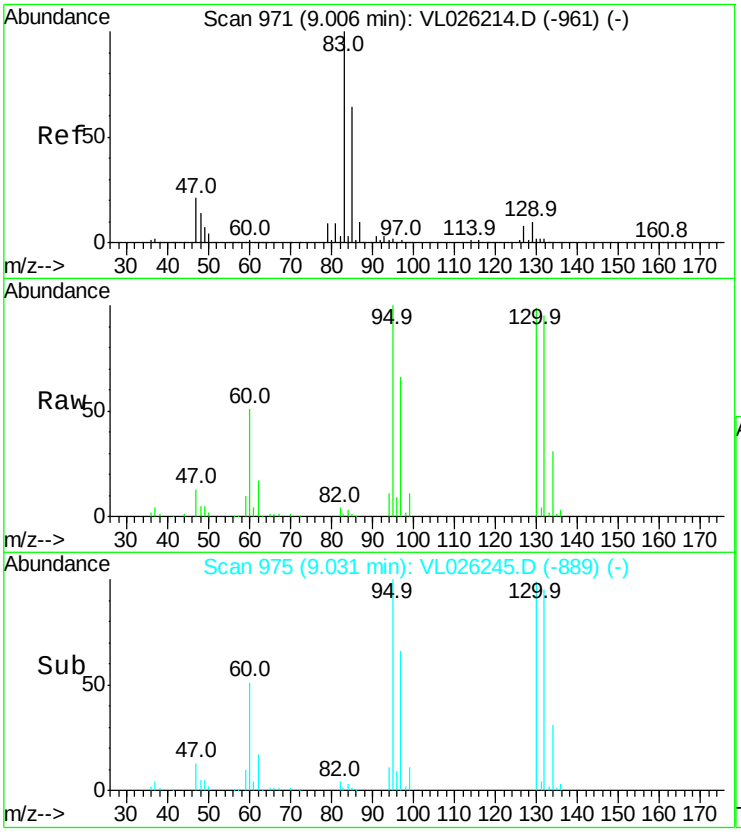


#41
Tetrahydrofuran
Concen: 0.03 ppbv
RT: 7.15 min Scan# 667
Delta R.T. 0.05 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 42 Resp: 1164

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.3	51.5#
71	0.0	32.1	48.1#



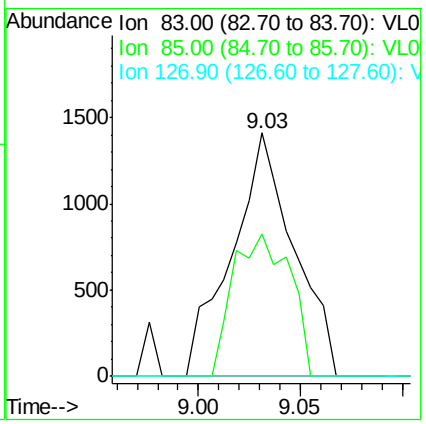


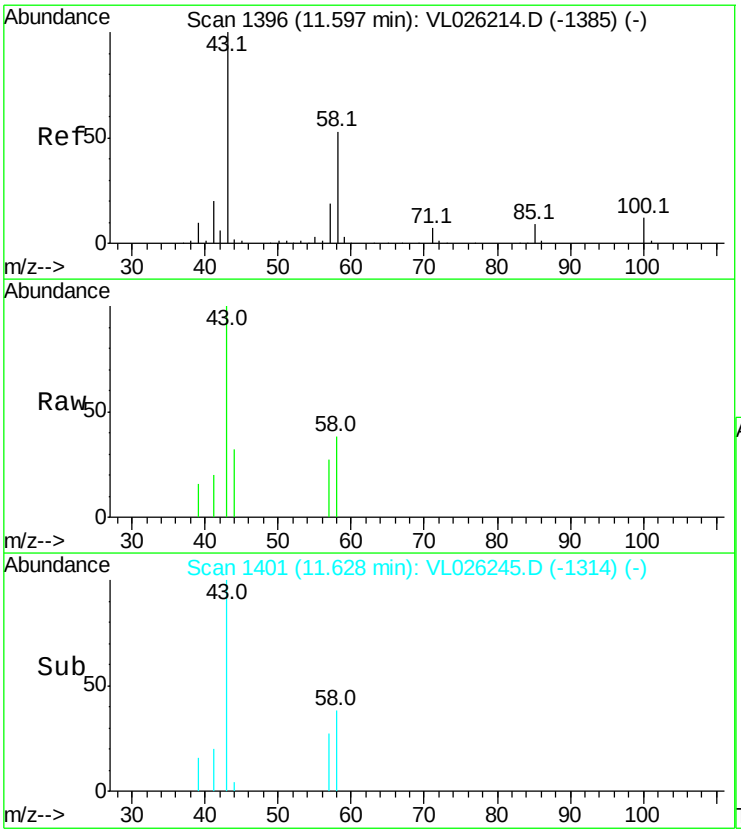
#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 9.03 min Scan# 975
Delta R.T. 0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument : MSVOA_L
ClientSampleId : EFFDL

Tgt Ion: 83 Resp: 2991

Ion	Ratio	Lower	Upper
83	100		
85	58.6	50.9	76.3
127	0.0	6.2	9.4#

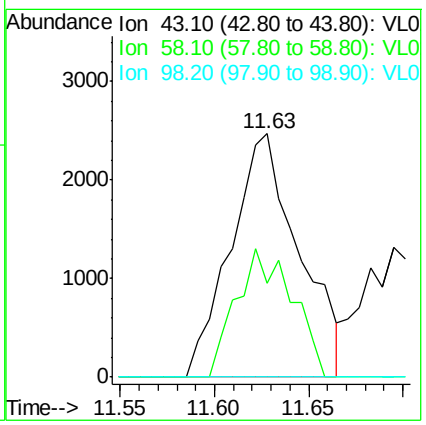


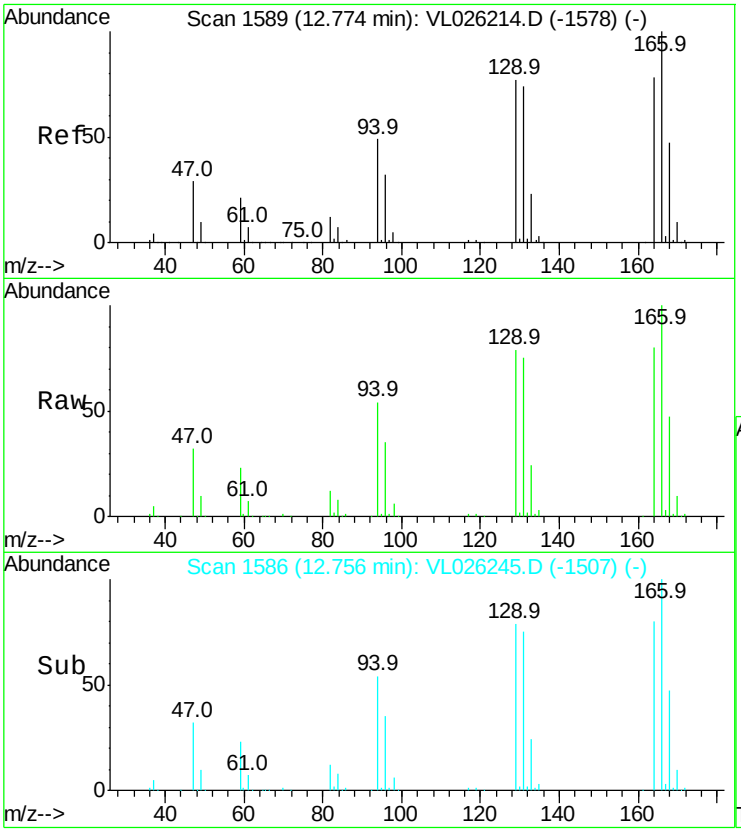


#51
2-Hexanone
Concen: 0.06 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.03 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 43 Resp: 6204

Ion	Ratio	Lower	Upper
43	100		
58	43.3	43.2	64.8
98	0.0	0.0	0.0



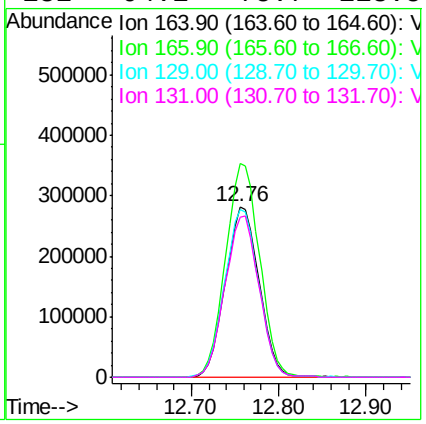


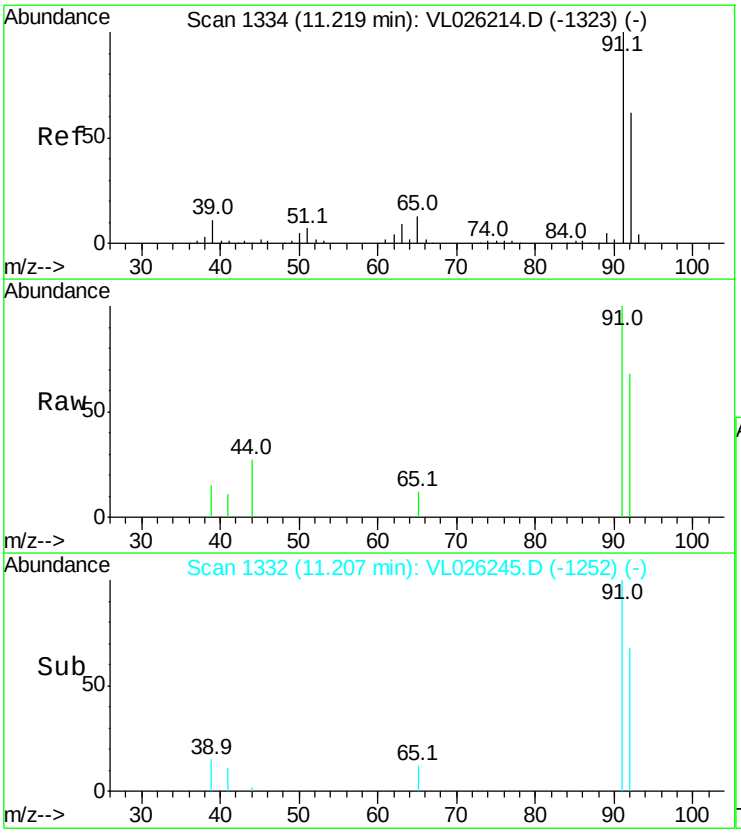
#52
Tetrachloroethene
Concen: 9.64 ppbv
RT: 12.76 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion:164 Resp: 756066

Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.3	153.5
129	98.4	78.2	117.4
131	94.1	75.7	113.5

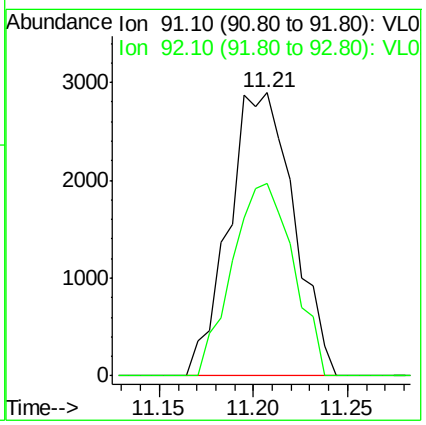


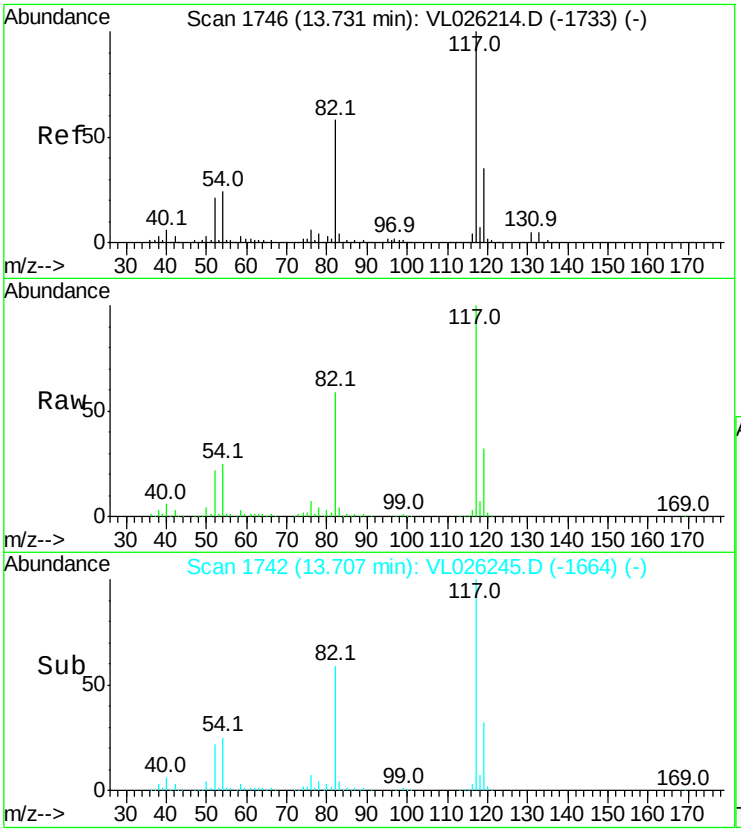


#53
Toluene
Concen: 0.04 ppbv
RT: 11.21 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 91 Resp: 6916

Ion	Ratio	Lower	Upper
91	100		
92	63.6	49.2	73.8



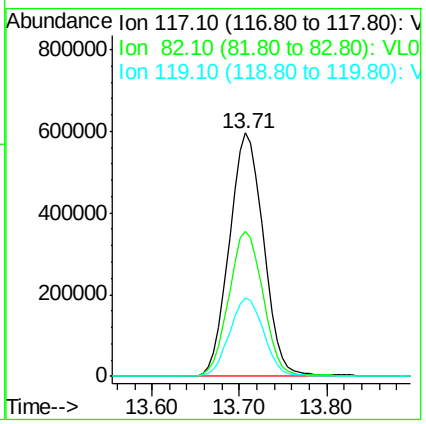


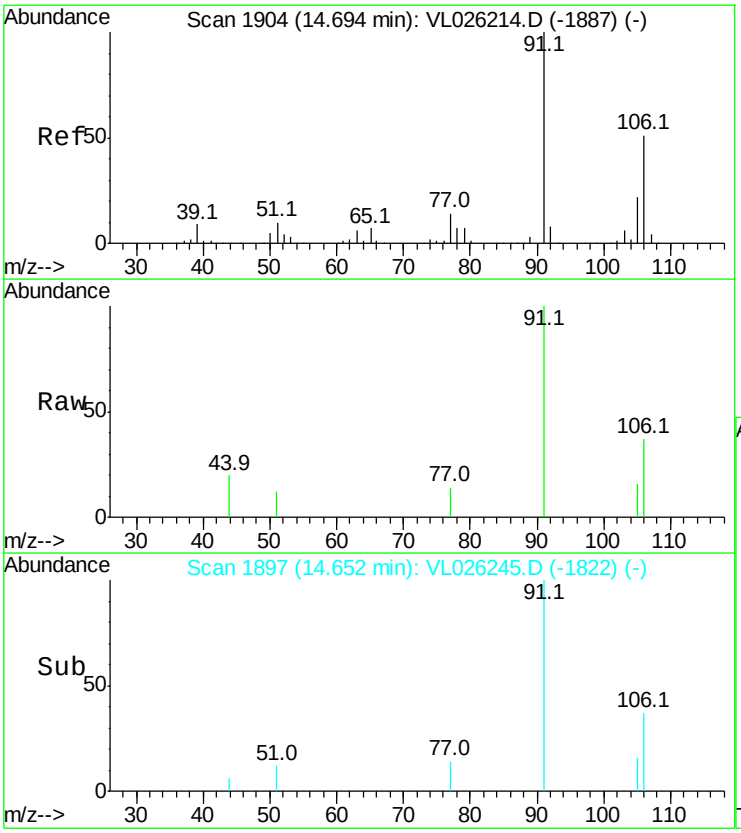
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1742
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion:117 Resp: 1622984

Ion	Ratio	Lower	Upper
117	100		
82	60.5	45.8	68.8
119	33.0	45.0	67.4#

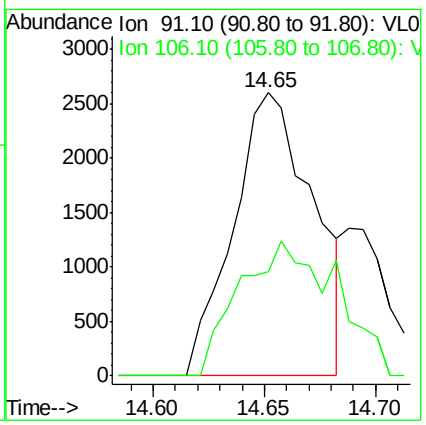


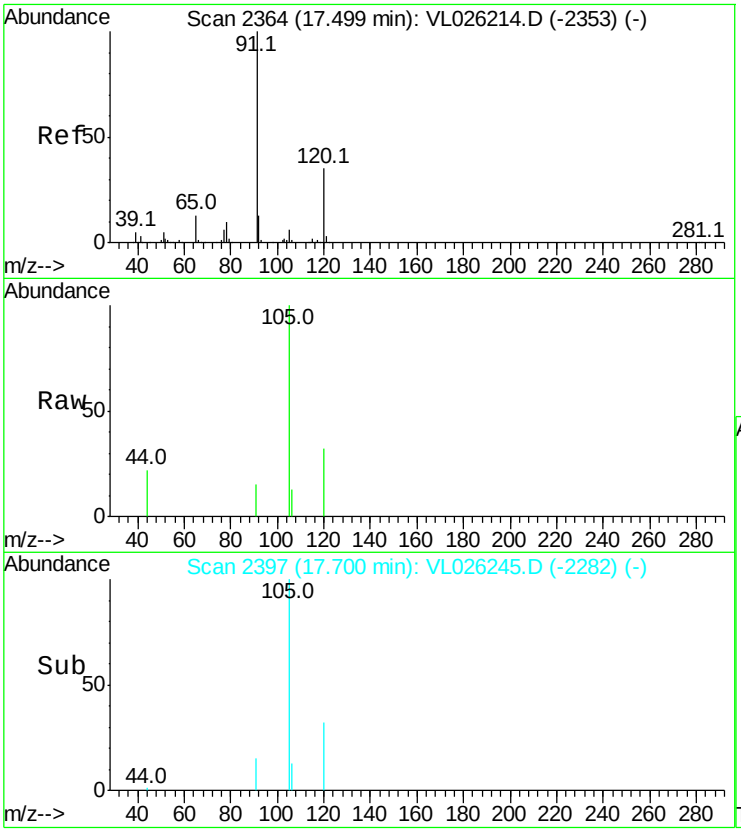


#59
m/p-Xylene
Concen: 0.03 ppbv
RT: 14.65 min Scan# 1897
Delta R.T. -0.04 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 91 Resp: 6505

Ion	Ratio	Lower	Upper
91	100		
106	57.8	40.6	61.0



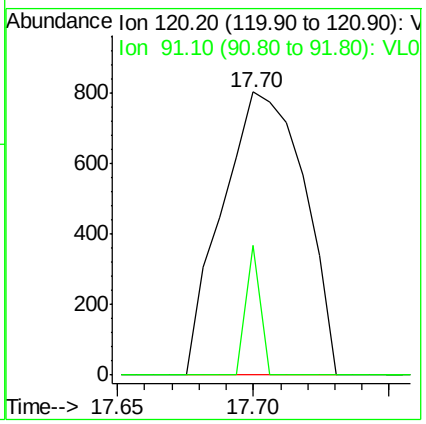


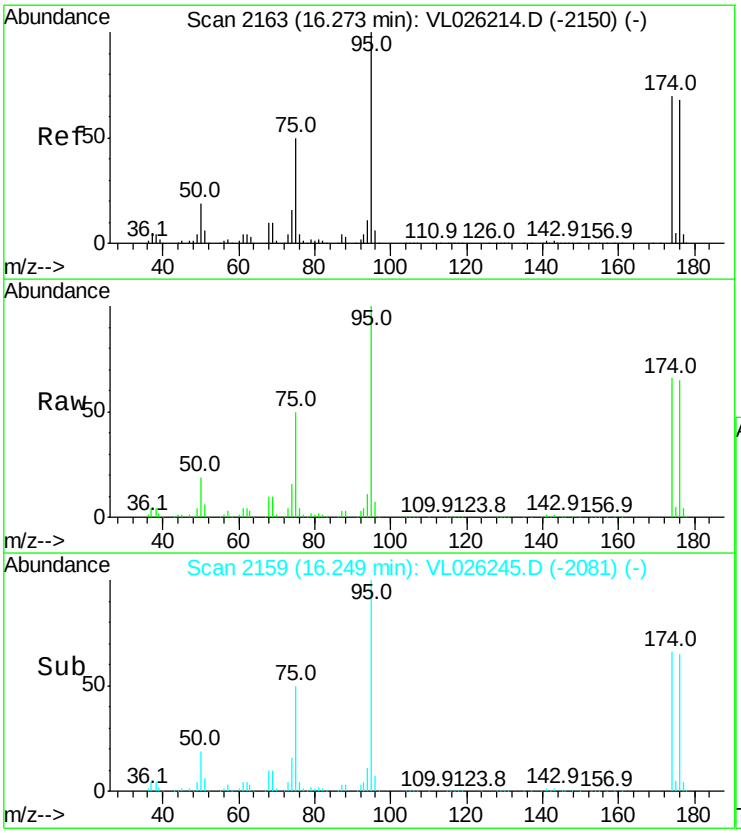
#64
n-propylbenzene
Concen: 0.02 ppbv
RT: 17.70 min Scan# 2397
Delta R.T. 0.20 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion:120 Resp: 1676

Ion	Ratio	Lower	Upper
120	100		
91	8.1	331.7	497.5#

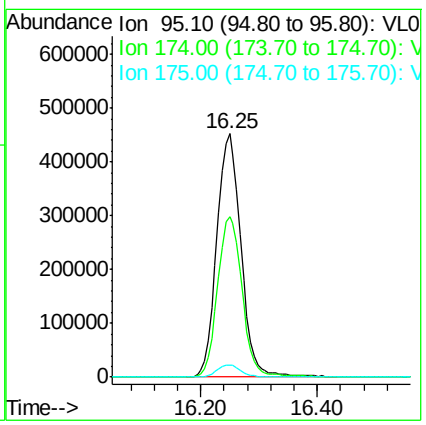


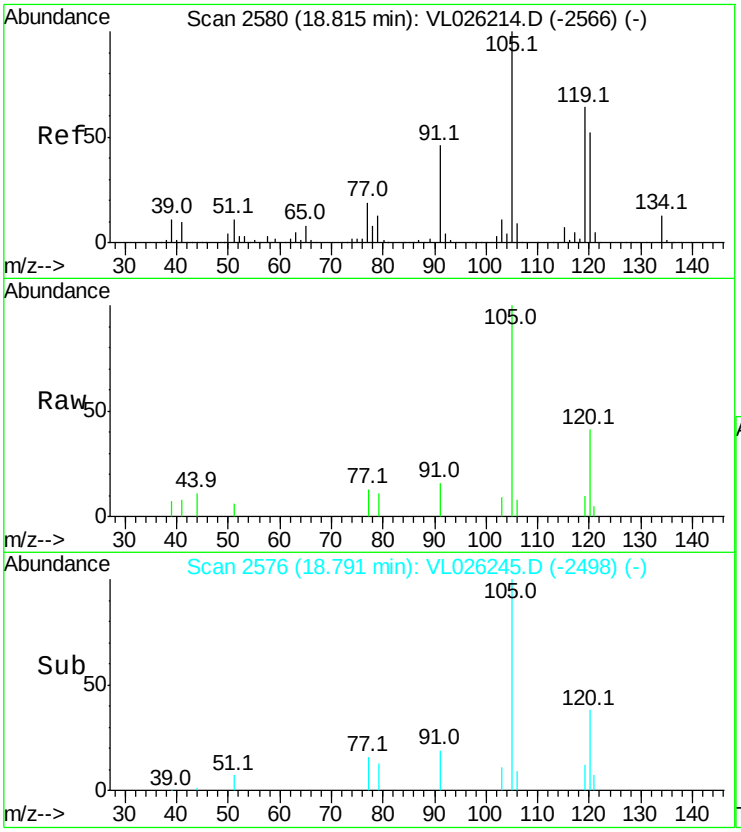


#68
1-Bromo-4-Fluorobenzene
Concen: 10.45 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Tgt Ion: 95 Resp: 1307952

Ion	Ratio	Lower	Upper
95	100		
174	66.9	55.8	83.8
175	5.0	4.3	6.5





#74
1,2,4-Trimethylbenzene
Concen: 0.06 ppbv
RT: 18.79 min Scan# 2576
Delta R.T. -0.02 min
Lab File: VL026245.D
Acq: 21 Oct 2015 19:43

Instrument :
MSVOA_L
ClientSampleId :
EFFDL

Tgt Ion:105 Resp: 15363

Ion	Ratio	Lower	Upper
105	100		
120	41.2	41.2	61.8
91	15.6	37.2	55.8#
77	13.2	15.6	23.4#