Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026178.D
Acq On : 9 Oct 2015 14:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMdadoda
10/12/2015 1:25:21 PM

Quant Time: Oct 09 16:03:04 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 0
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	868165	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.36	114	2544728	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.79	117	3080910m	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	2303520	10.13	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	2444576	19.62	ppbv	100
3) Chlorodifluoromethane	3.59	51	1390854	13.97	ppbv	99
4) Chloromethane	3.76	50	842913	14.30	ppbv	98
5) Vinyl Chloride	3.90	62	856768	13.61	ppbv	100
6) Bromomethane	4.16	94	618407	15.61	ppbv	99
7) Chloroethane	4.26	64	371328	15.16	ppbv	100
8) Dichlorotetrafluoroethane	3.82	85	1970502	14.58	ppbv	99
9) Propene	3.61	41	682890	13.49	ppbv	99
10) Heptane	9.38	43	2293511	13.07	ppbv	99
11) Trichlorofluoromethane	4.71	101	2324392	16.26	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1552201	15.74	ppbv	100
13) Ethanol	4.35	45	100532	16.40	ppbv	94
14) Bromoethene	4.47	108	667025	15.86	ppbv	100
15) Acetone	4.62	43	1443027	13.38	ppbv	100
16) 1,3-Butadiene	3.98	39	760505	14.21	ppbv	100
17) tert-Butyl alcohol	5.15	59	1052326	15.02	ppbv	99
18) 1,1-Dichloroethene	5.10	96	727571	15.79	ppbv	98
19) Isopropyl Alcohol	4.78	45	704137	15.60	ppbv	99
20) Methylene Chloride	5.17	84	676109	14.74	ppbv	99
21) Allyl Chloride	5.24	41	1158996	15.57	ppbv	99
22) trans-1,2-Dichloroethene	5.79	96	922373	14.89	ppbv	98
23) Vinyl Acetate	6.01	43	3082606	15.08	ppbv	100
24) 1,1-Dichloroethane	5.93	63	1961013	14.23	ppbv	100
25) Ethyl Acetate	6.70	43	3103693	13.55	ppbv	100
26) Hexane	6.68	57	1499638	13.66	ppbv	99
27) Carbon Disulfide	5.41	76	2067821	17.59	ppbv	99
28) Methyl tert-Butyl Ether	5.98	73	2569010	15.38	ppbv	100
29) Chloroform	6.78	83	2266912	14.87	ppbv	99
30) Cyclohexane	8.31	84	1503812	14.34	ppbv	99
31) cis-1,2-Dichloroethene	6.54	61	1471792	14.66	ppbv	99
32) 1,1,1-Trichloroethane	7.63	97	2278500	14.94	ppbv	100
34) 2-Butanone	6.23	43	2056577	12.59	ppbv	99
35) Carbon Tetrachloride	8.19	117	2378248	13.94	ppbv	100
36) Benzene	8.06	78	3382130	12.57	ppbv	98
37) 1,2-Dichloroethane	7.40	62	1840881	13.70	ppbv	100
38) Trichloroethene	9.10	130	1291783	10.98	ppbv	98
39) 1,2-Dichloropropane	8.86	63	1249435	12.37	ppbv	99
40) 1,4-Dioxane	9.15	88	293498	19.85	ppbv #	1
41) Tetrahydrofuran	7.15	42	1218545	12.73	ppbv	100
42) Bromodichloromethane	9.06	83	2468439	13.94	ppbv	100
43) Methyl Methacrylate	9.30	69	1329006	13.91	ppbv	100

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026178.D
Acq On : 9 Oct 2015 14:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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10/12/2015 1:25:21 PM

Quant Time: Oct 09 16:03:04 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 0
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	5144805	11.29	ppbv		99
45) t-1,3-Dichloropropene	10.69	75	1998873	15.98	ppbv		100
46) cis-1,3-Dichloropropene	10.05	75	2304202	14.86	ppbv		98
47) 1,1,2-Trichloroethane	10.91	97	1503868	13.13	ppbv		99
48) Dibromochloromethane	11.84	129	2349991	15.15	ppbv		99
49) Bromoform	14.86	173	1891874	16.44	ppbv		99
50) 4-Methyl-2-Pentanone	10.12	43	2841649	12.99	ppbv		100
51) 2-Hexanone	11.65	43	2710265	13.52	ppbv	#	100
52) Tetrachloroethene	12.83	164	1417462	11.59	ppbv		99
53) Toluene	11.27	91	4408546	12.97	ppbv		100
54) 1,2-Dibromoethane	12.18	107	2291746	13.42	ppbv		98
56) 1,1,1,2-Tetrachloroethane	13.83	131	1632854	12.78	ppbv		88
57) Chlorobenzene	13.85	112	3483097	11.44	ppbv		99
58) Ethyl Benzene	14.45	91	6118428	11.96	ppbv		100
59) m/p-Xylene	14.76	91	9297636	23.12	ppbv		100
60) o-Xylene	15.53	91	4755170	11.39	ppbv		100
61) Styrene	15.35	104	2436963	13.60	ppbv		100
62) Isopropylbenzene	16.58	105	6606200	12.05	ppbv		99
63) 1,1,2,2-Tetrachloroethane	15.53	83	3201591	10.01	ppbv		100
64) n-propylbenzene	17.56	120	1854526	12.66	ppbv		97
65) tert-Butylbenzene	18.85	119	5654162	11.76	ppbv		100
66) Benzyl Chloride	19.14	91	2374886	18.16	ppbv		100
67) sec-Butylbenzene	19.45	105	8095361	11.92	ppbv		99
69) p-Isopropyltoluene	19.83	119	6725901	12.25	ppbv		99
70) n-Butylbenzene	20.79	91	6463576	11.78	ppbv		99
71) 2-Chlorotoluene	17.47	91	5057624	12.13	ppbv		99
72) 4-Ethyltoluene	17.86	105	5716490	12.53	ppbv		99
73) 1,3,5-Trimethylbenzene	18.03	105	5293320	12.50	ppbv		100
74) 1,2,4-Trimethylbenzene	18.88	105	5081281	11.45	ppbv		96
75) 1,3-Dichlorobenzene	19.16	146	3401064	12.34	ppbv		100
76) 1,4-Dichlorobenzene	19.32	146	3546372	12.50	ppbv		100
77) 1,2-Dichlorobenzene	20.07	146	3412050	12.40	ppbv		100
78) Hexachloro-1,3-Butadiene	24.70	225	1178776	10.70	ppbv		100
79) Naphthalene	23.95	128	3602287	10.45	ppbv		99
80) Naphthalene,2-methyl-	26.07	142	770191	9.53	ppbv		99
81) 1,2,4-Trichlorobenzene	23.76	180	1676394	10.10	ppbv		100

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026178.D
Acq On : 9 Oct 2015 14:54
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 16:03:04 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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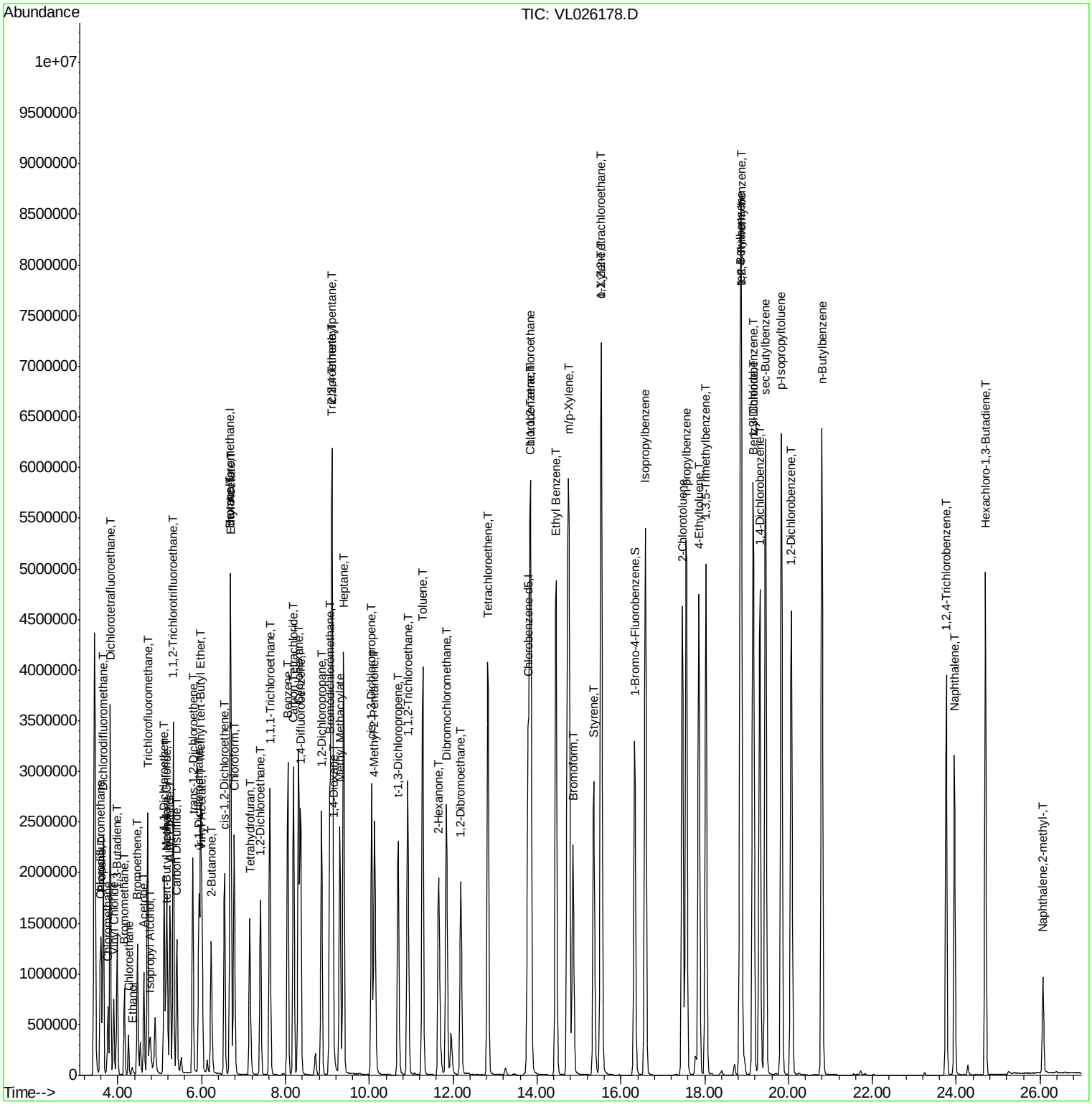
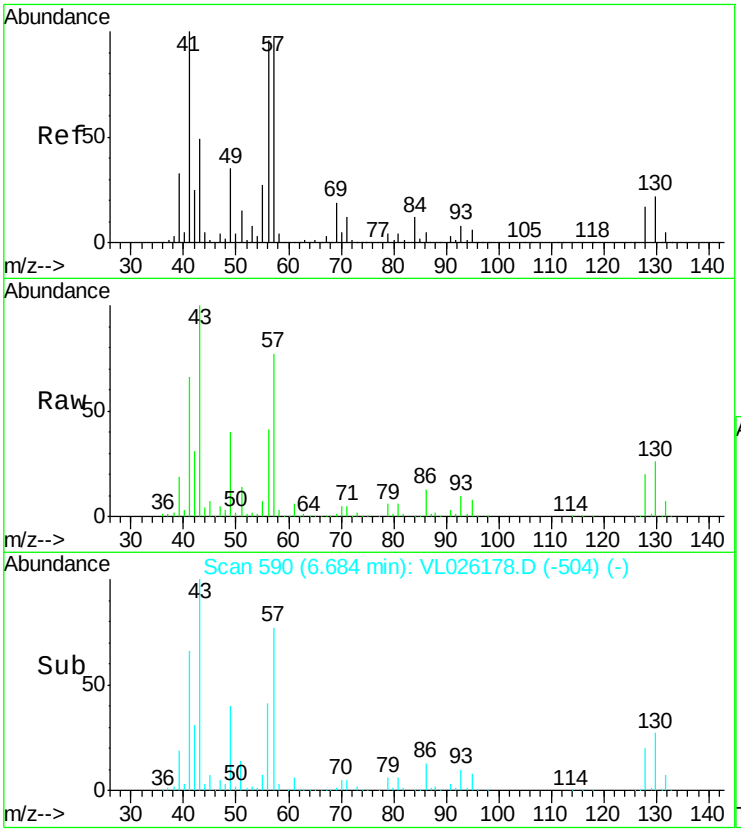
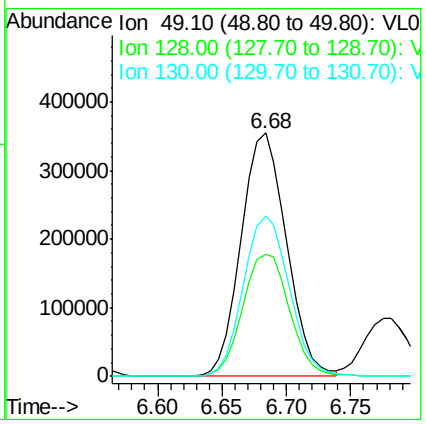




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 49 Resp: 868165

Ion	Ratio	Lower	Upper
49	100		
128	52.0	26.3	78.8
130	67.2	34.2	102.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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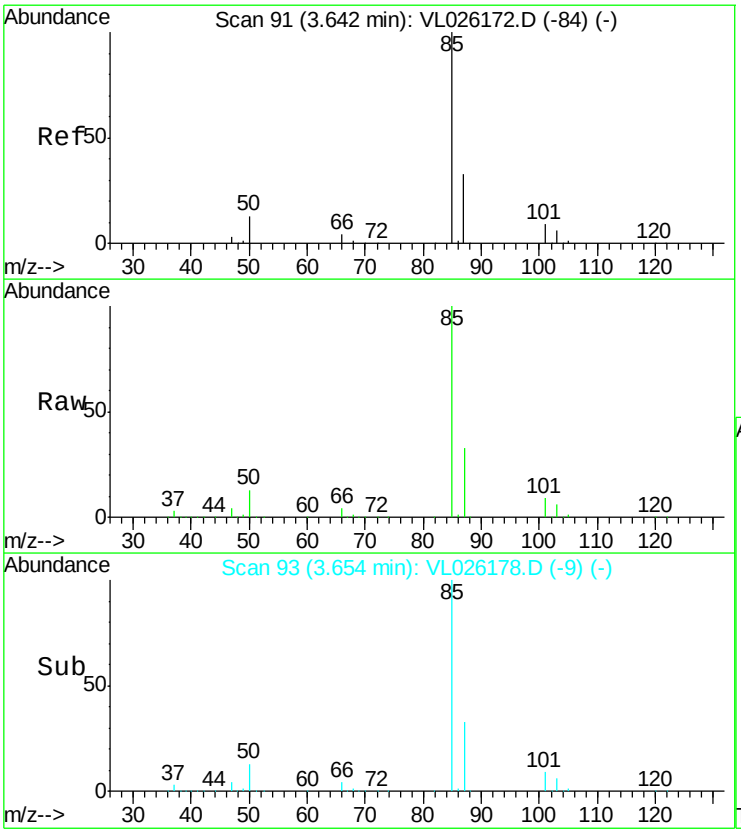
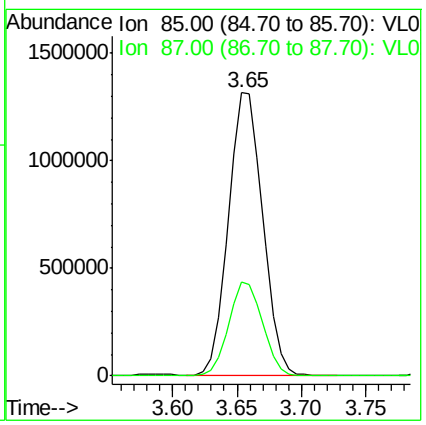
10/12/2015 1:25:21 PM

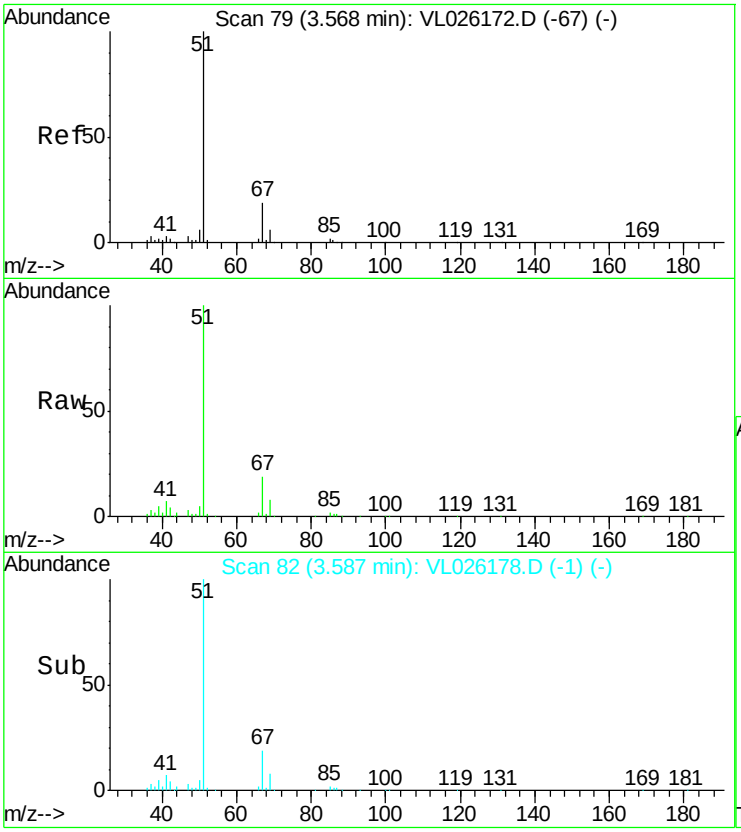


#2
Dichlorodifluoromethane
Concen: 19.62 ppbv
RT: 3.65 min Scan# 93
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 85 Resp: 2444576

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.2	39.4

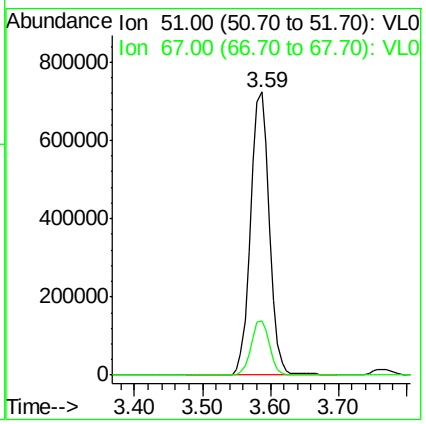




#3
Chlorodifluoromethane
Concen: 13.97 ppbv
RT: 3.59 min Scan# 82
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 51 Resp: 1390854

Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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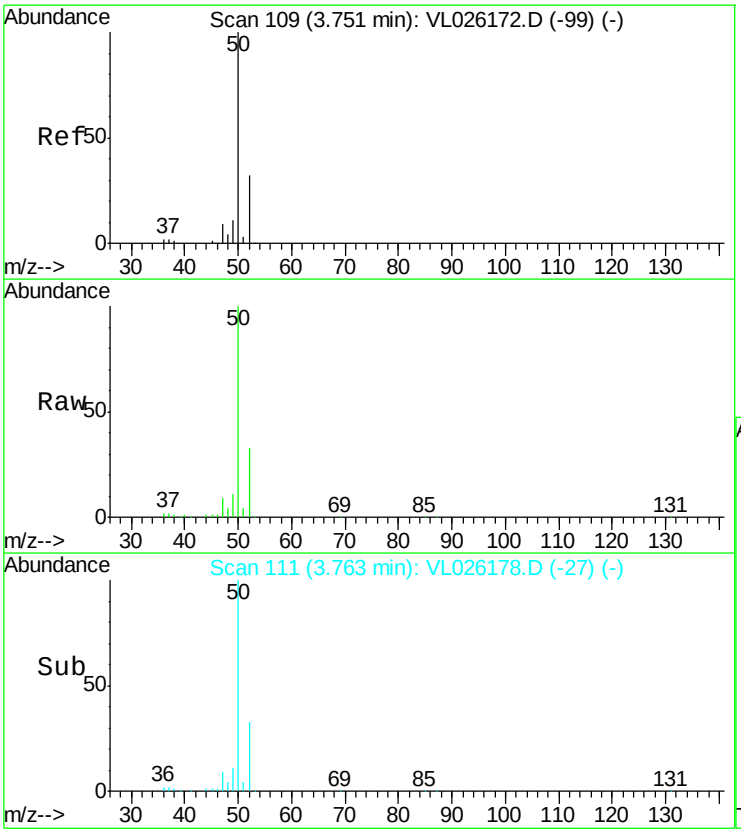
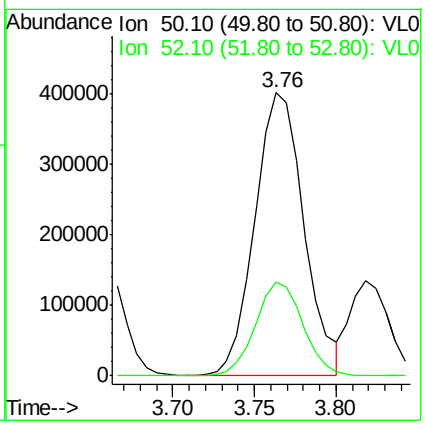
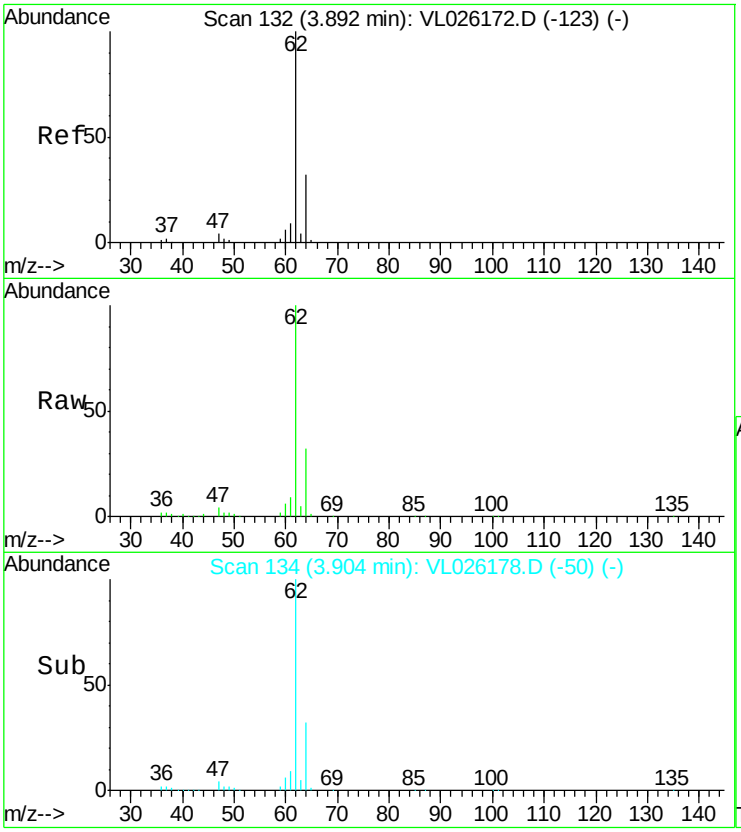


#4
Chloromethane
Concen: 14.30 ppbv
RT: 3.76 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 50 Resp: 842913

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.9	38.9

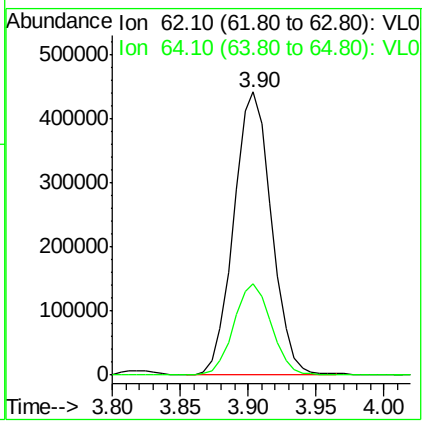




#5
Vinyl Chloride
Concen: 13.61 ppbv
RT: 3.90 min Scan# 134
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 62 Resp: 856768

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.6	38.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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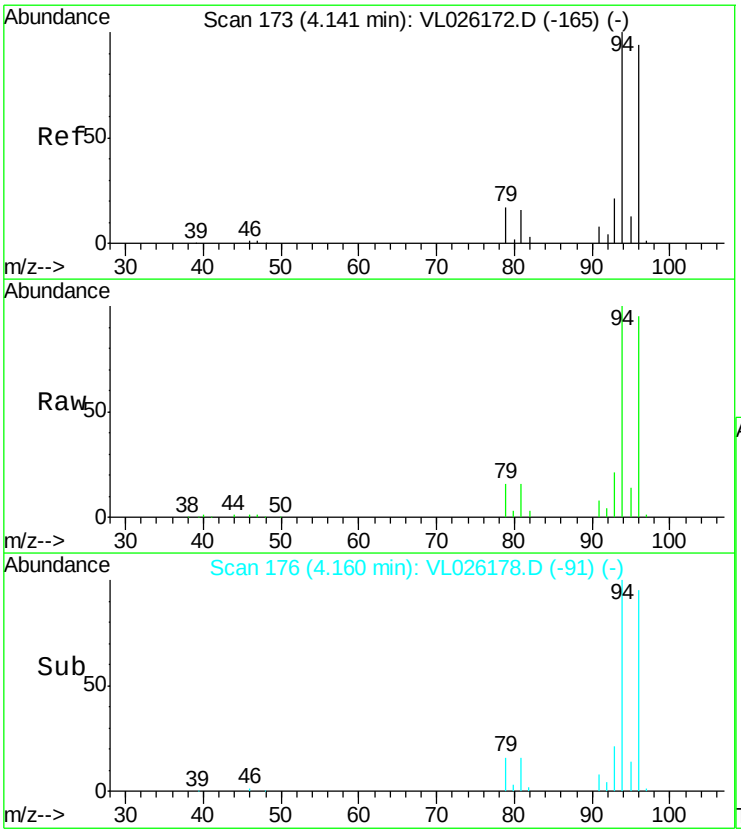
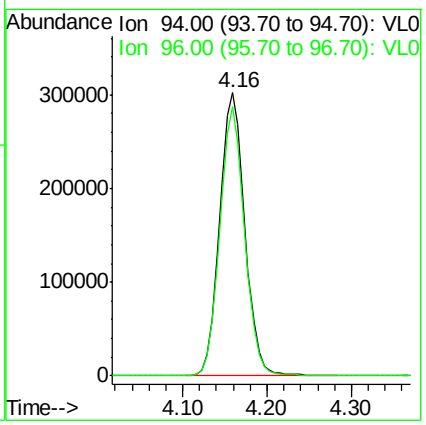
10/12/2015 1:25:21 PM

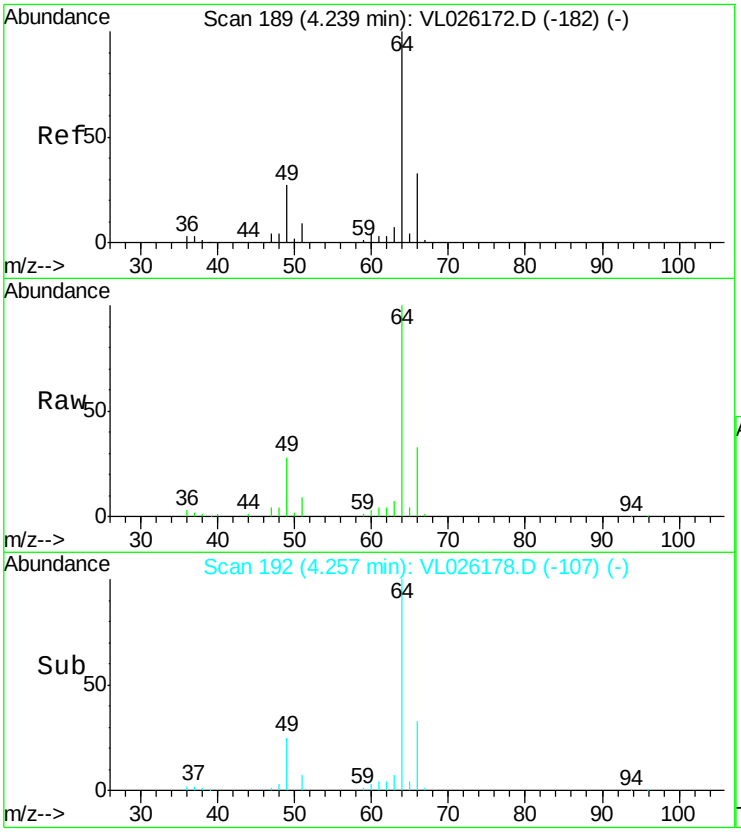


#6
Bromomethane
Concen: 15.61 ppbv
RT: 4.16 min Scan# 176
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 94 Resp: 618407

Ion	Ratio	Lower	Upper
94	100		
96	95.2	75.4	113.2

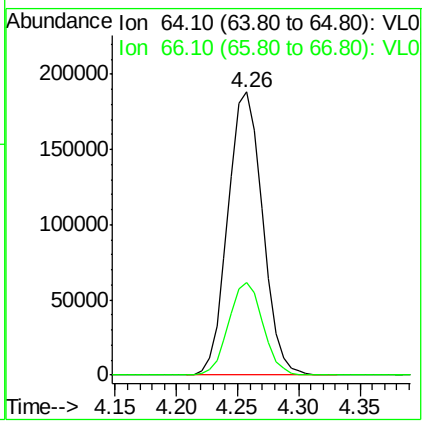




#7
Chloroethane
Concen: 15.16 ppbv
RT: 4.26 min Scan# 192
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 64 Resp: 371328

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.5	39.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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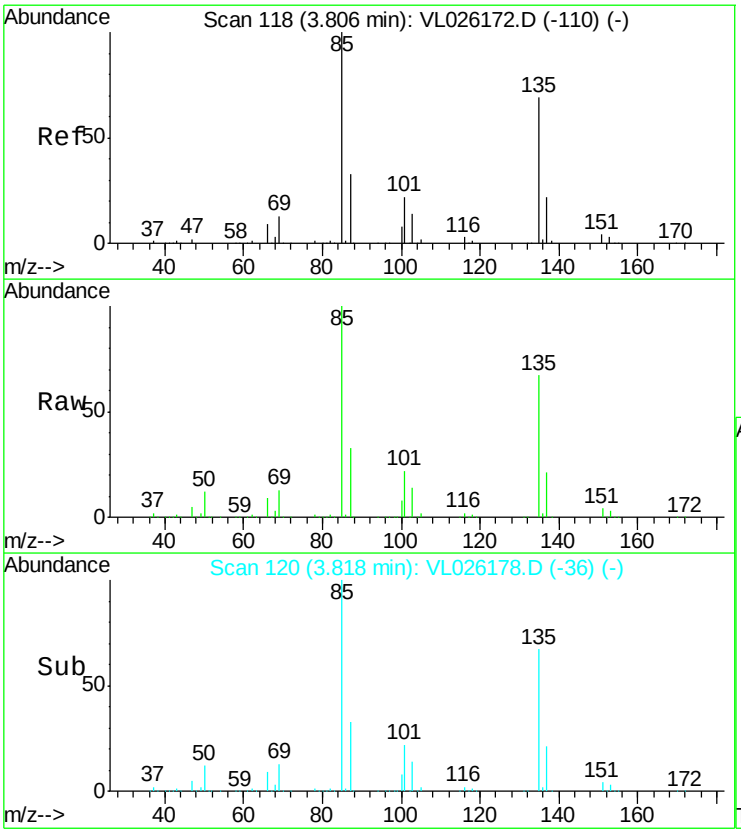
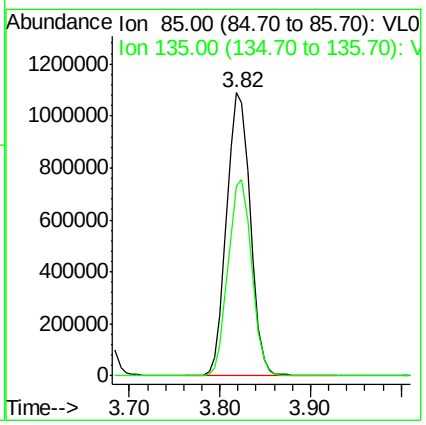
10/12/2015 1:25:21 PM

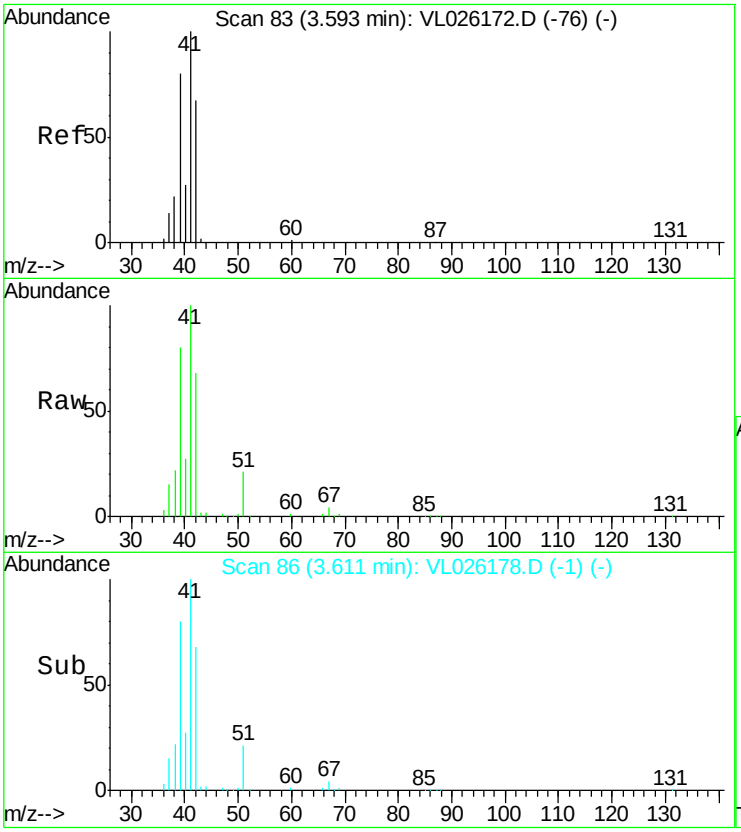


#8
Dichlorotetrafluoroethane
Concen: 14.58 ppbv
RT: 3.82 min Scan# 120
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 85 Resp: 1970502

Ion	Ratio	Lower	Upper
85	100		
135	69.6	55.3	82.9

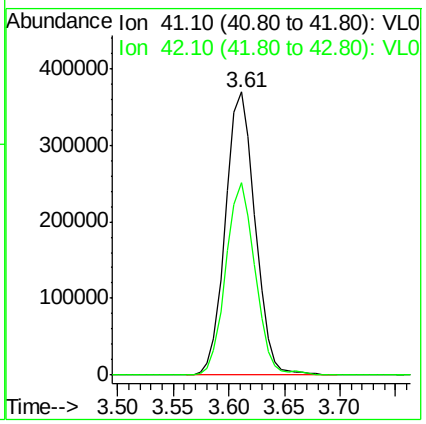




#9
Propene
Concen: 13.49 ppbv
RT: 3.61 min Scan# 86
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 41 Resp: 682890

Ion	Ratio	Lower	Upper
41	100		
42	67.4	53.6	80.4



Instrument :
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ClientSampleId :
VSTDICC015

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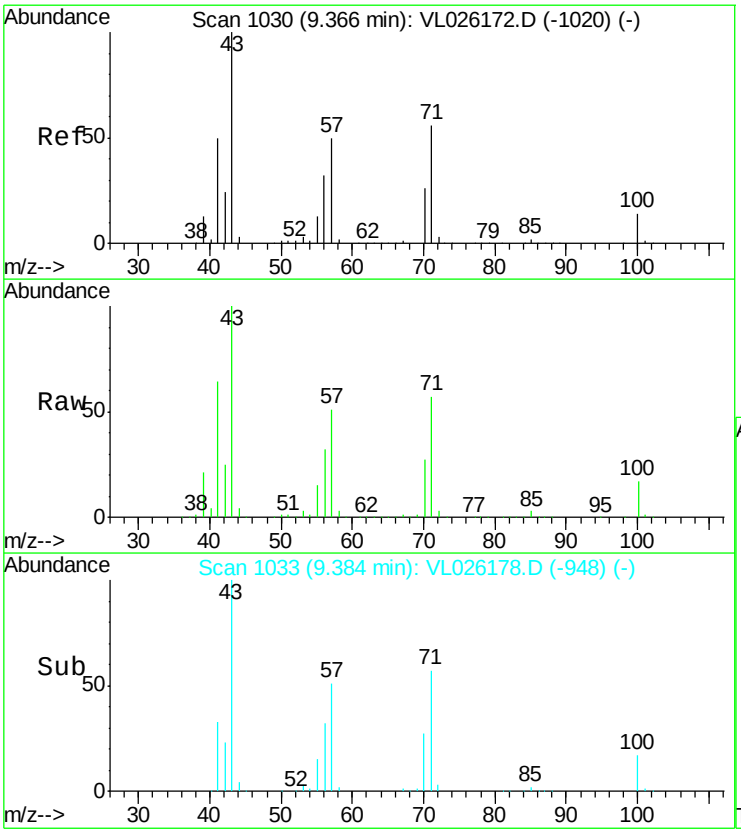
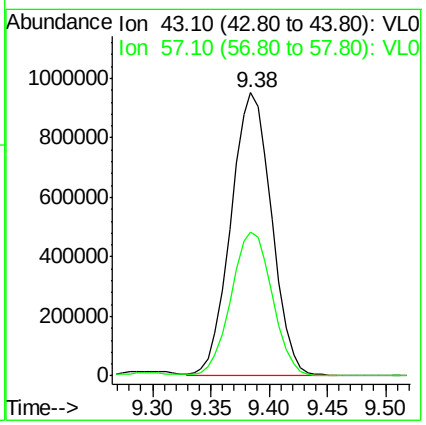
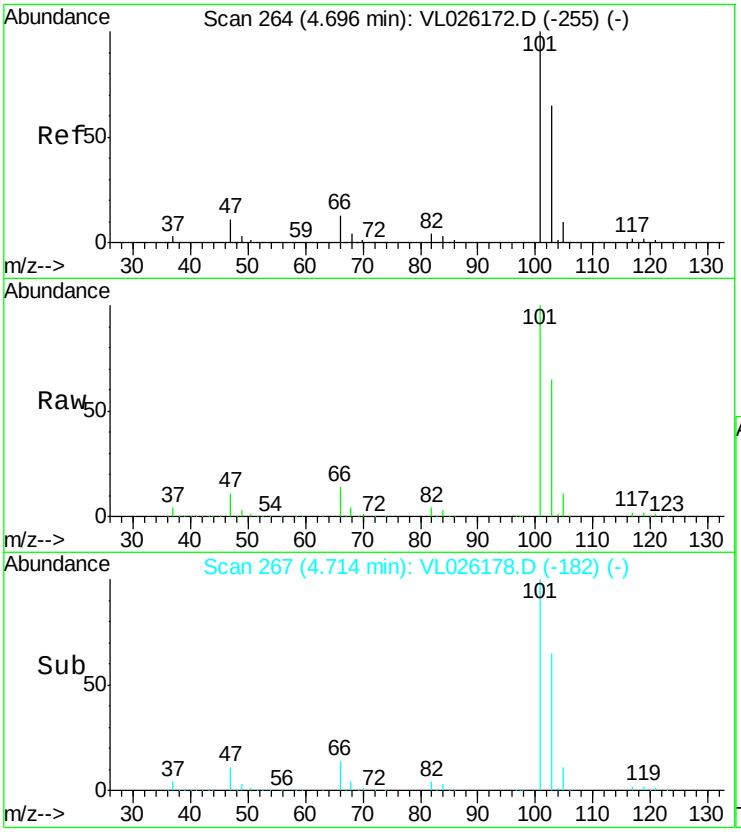


#10
Heptane
Concen: 13.07 ppbv
RT: 9.38 min Scan# 1033
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 2293511

Ion	Ratio	Lower	Upper
43	100		
57	53.0	41.8	62.8

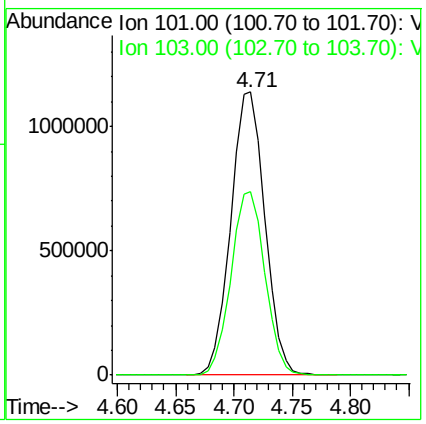




#11
Trichlorofluoromethane
Concen: 16.26 ppbv
RT: 4.71 min Scan# 267
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:101 Resp: 2324392

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.9	77.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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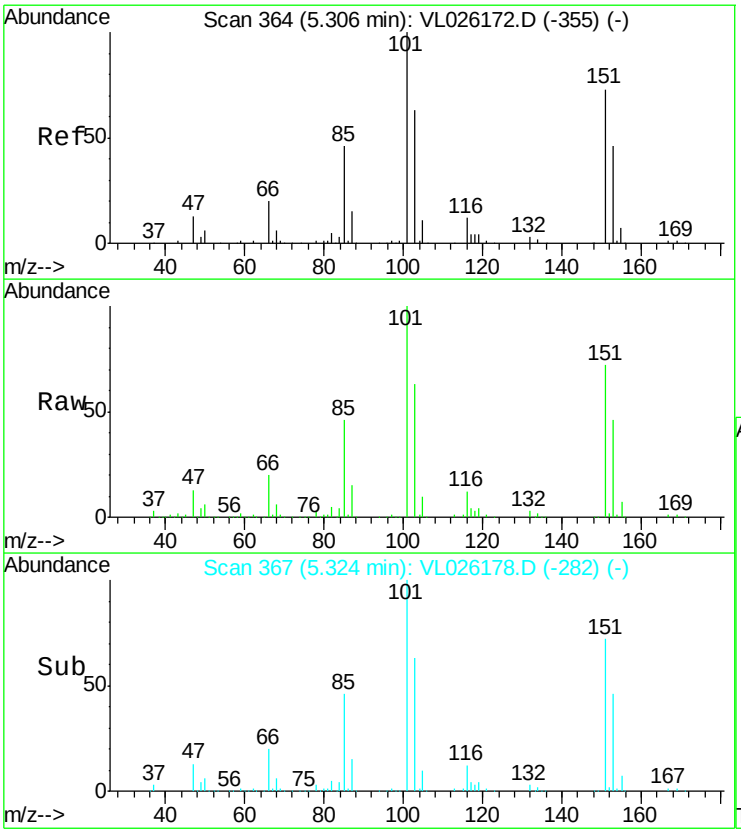
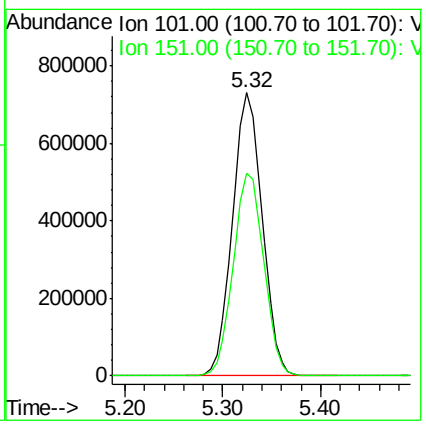
MMdadoda
10/12/2015 1:25:21 PM

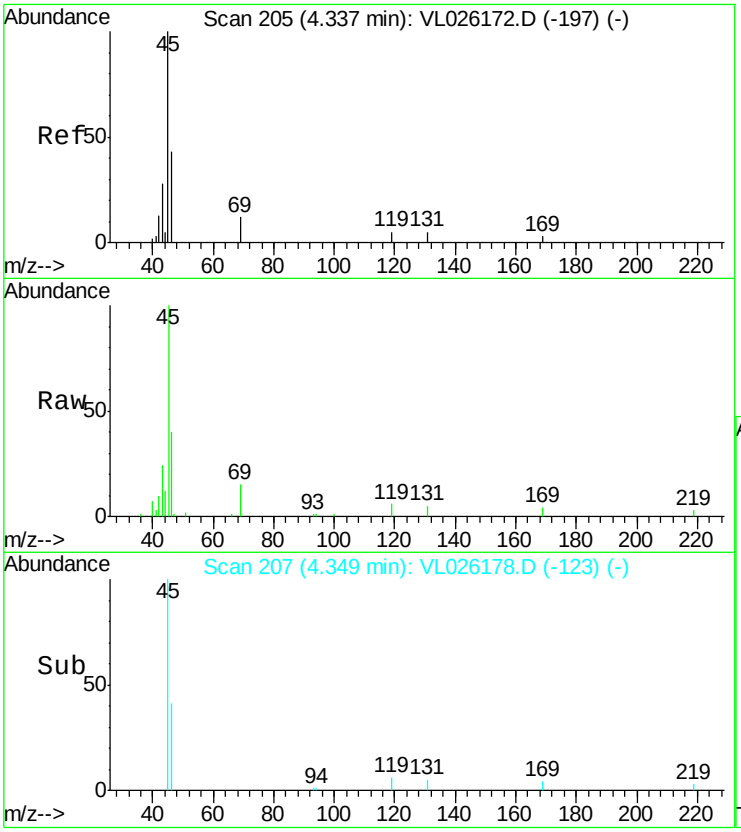


#12
1,1,2-Trichlorotrifluoroethane
Concen: 15.74 ppbv
RT: 5.32 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:101 Resp: 1552201

Ion	Ratio	Lower	Upper
101	100		
151	73.5	59.0	88.6

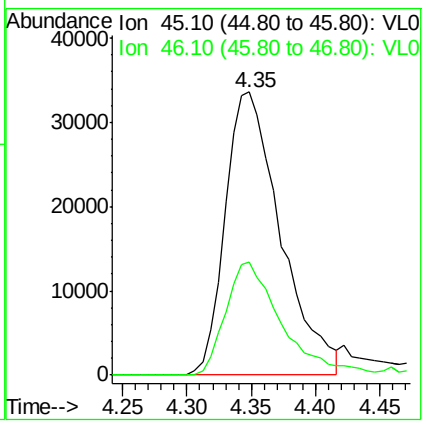




#13
Ethanol
Concen: 16.40 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 45 Resp: 100532

Ion	Ratio	Lower	Upper
45	100		
46	41.6	18.1	72.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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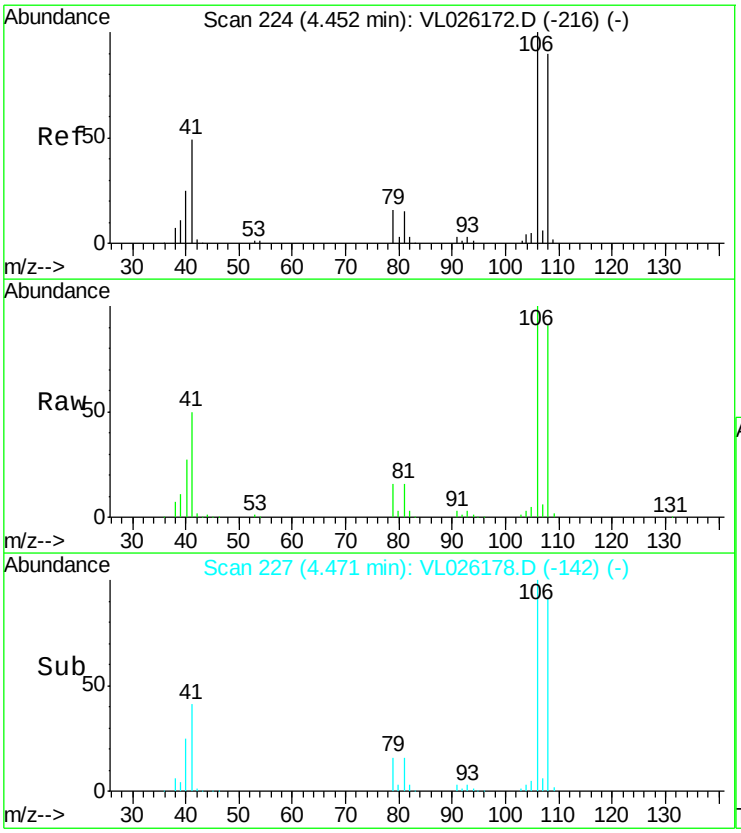
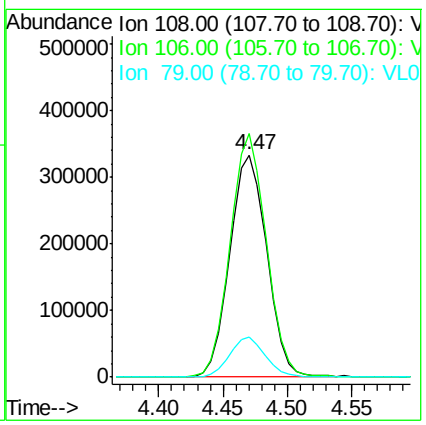
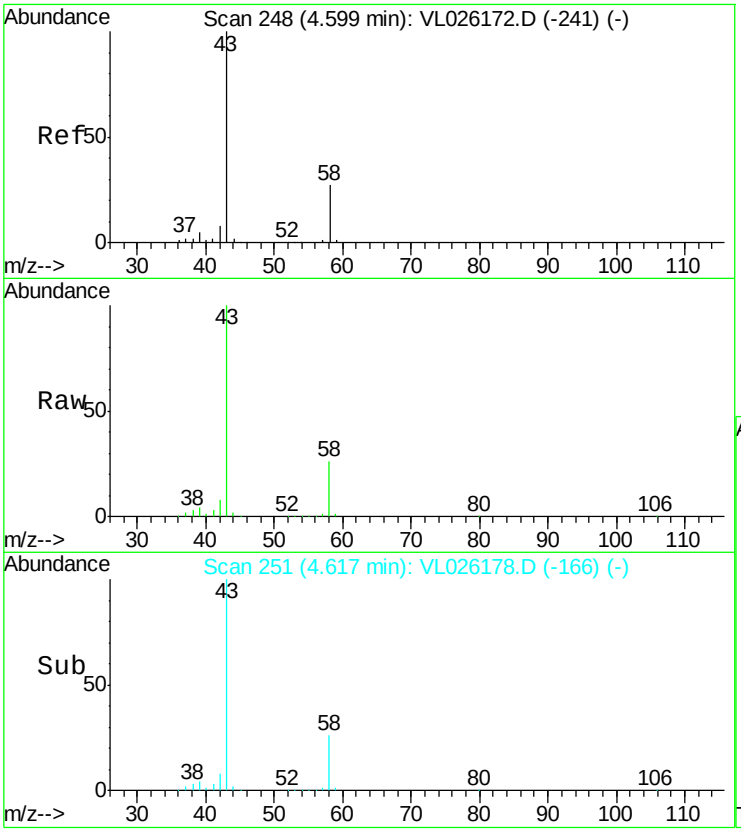


#14
Bromoethene
Concen: 15.86 ppbv
RT: 4.47 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:108 Resp: 667025

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.9	128.9
79	17.6	14.0	21.0

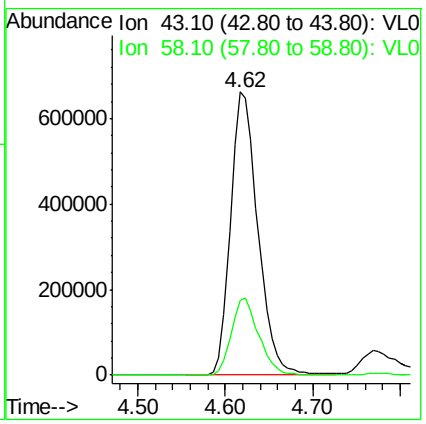




#15
Acetone
Concen: 13.38 ppbv
RT: 4.62 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 1443027

Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.0	33.0



Instrument :
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ClientSampleId :
VSTDICC015

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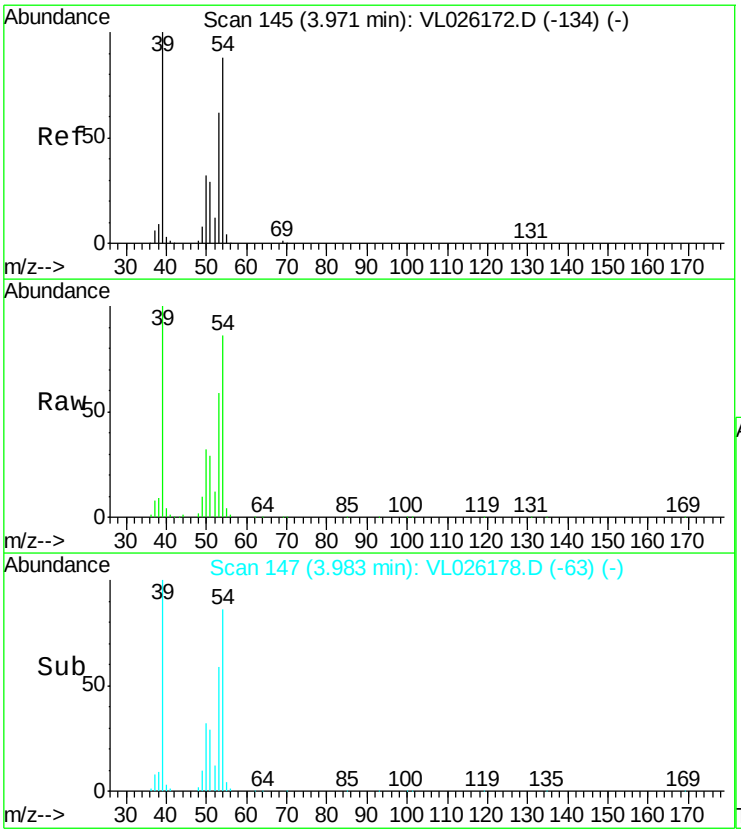
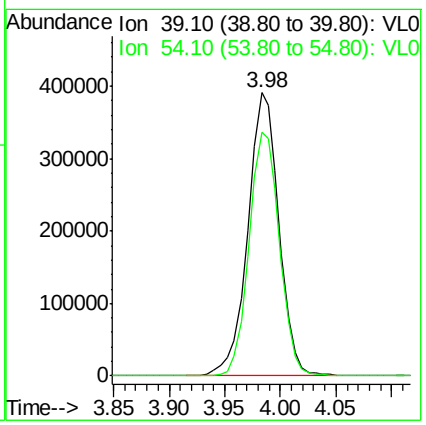
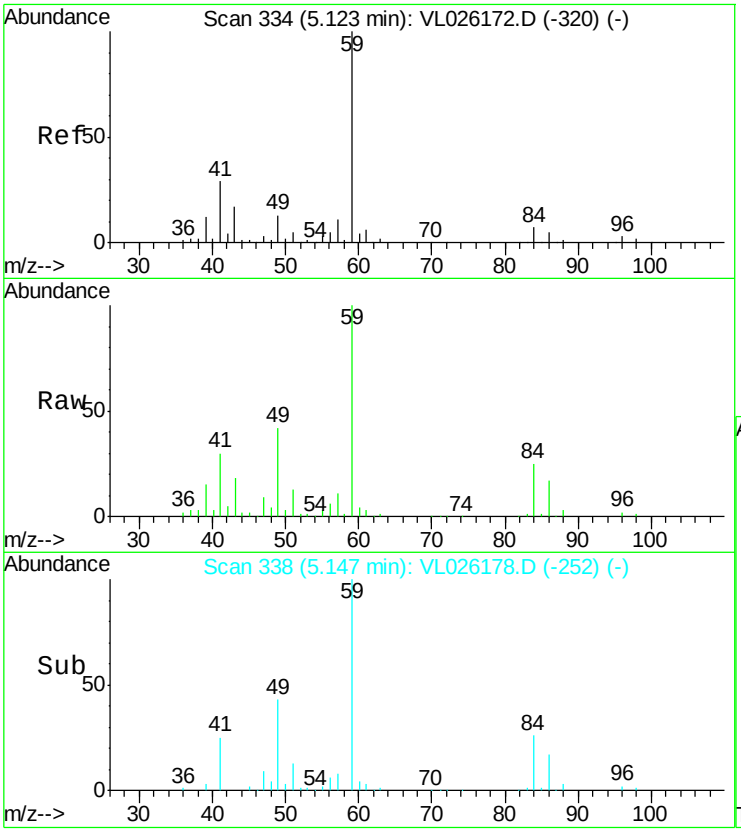


#16
1,3-Butadiene
Concen: 14.21 ppbv
RT: 3.98 min Scan# 147
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 39 Resp: 760505

Ion	Ratio	Lower	Upper
39	100		
54	84.5	67.9	101.9

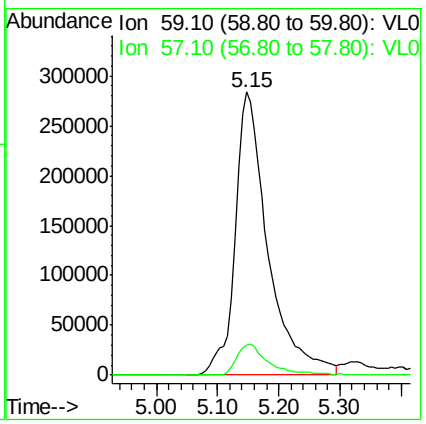




#17
tert-Butyl alcohol
Concen: 15.02 ppbv
RT: 5.15 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 59 Resp: 1052326

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2



Instrument :
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ClientSampleId :
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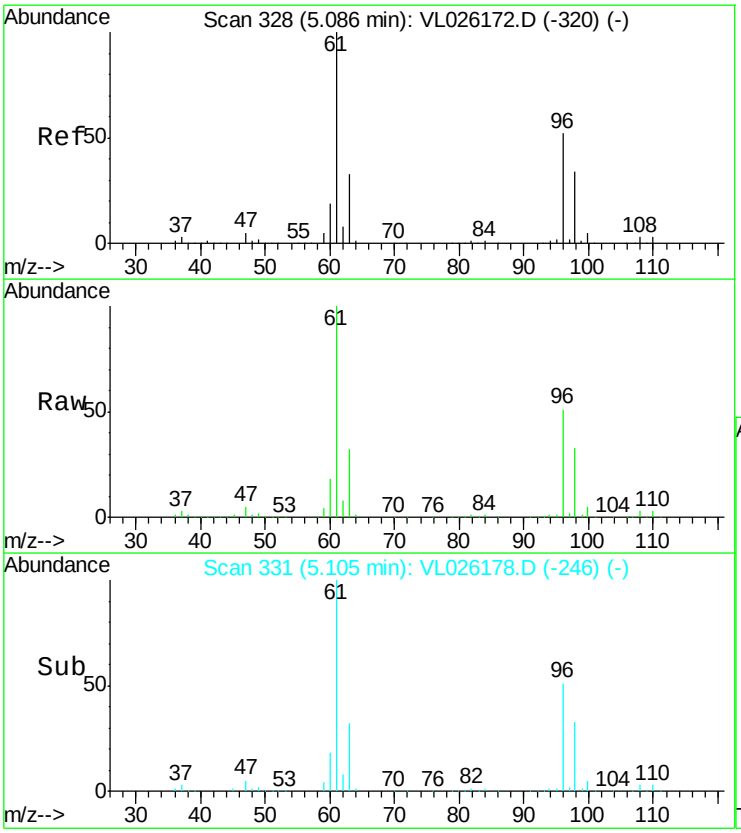
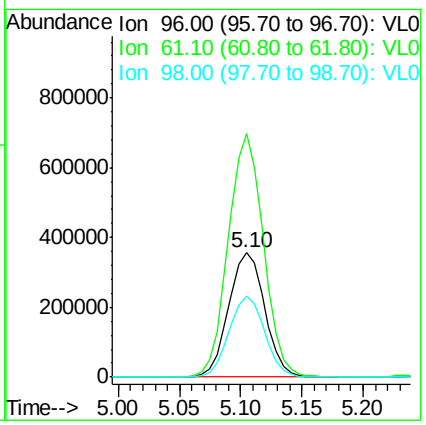
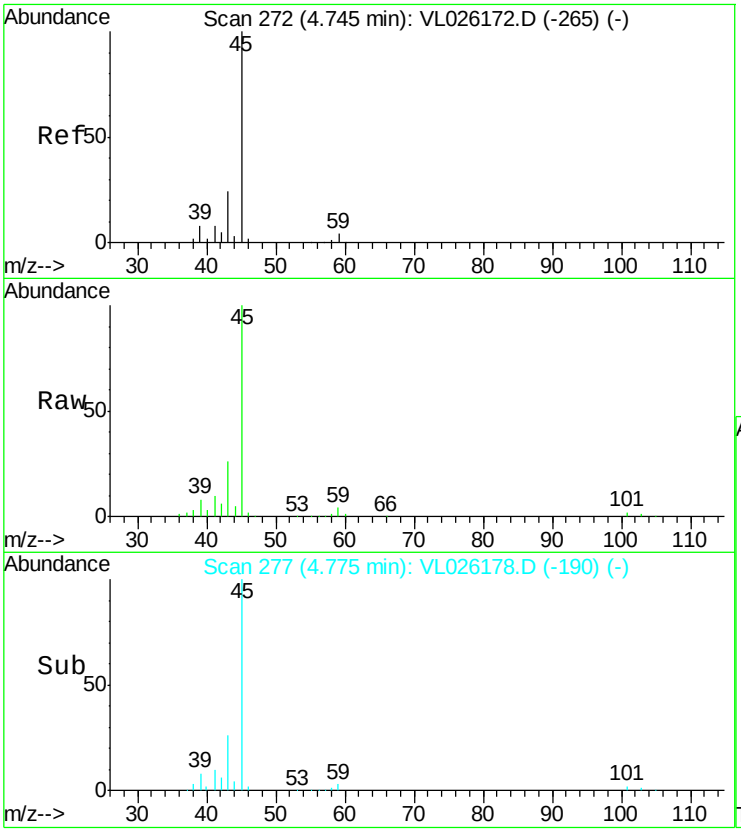


#18
1,1-Dichloroethene
Concen: 15.79 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 96 Resp: 727571

Ion	Ratio	Lower	Upper
96	100		
61	195.6	153.2	229.8
98	65.1	52.1	78.1

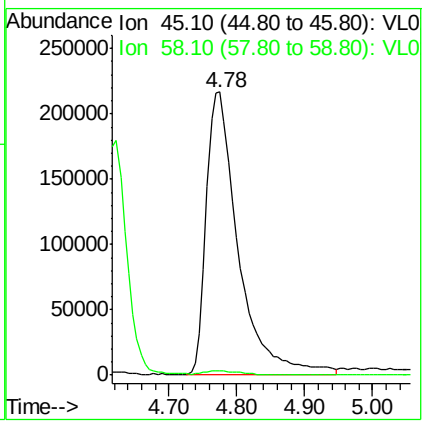




#19
Isopropyl Alcohol
Concen: 15.60 ppbv
RT: 4.78 min Scan# 277
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 45 Resp: 704137

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.7	2.5



Instrument :
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ClientSampleId :
VSTDICC015

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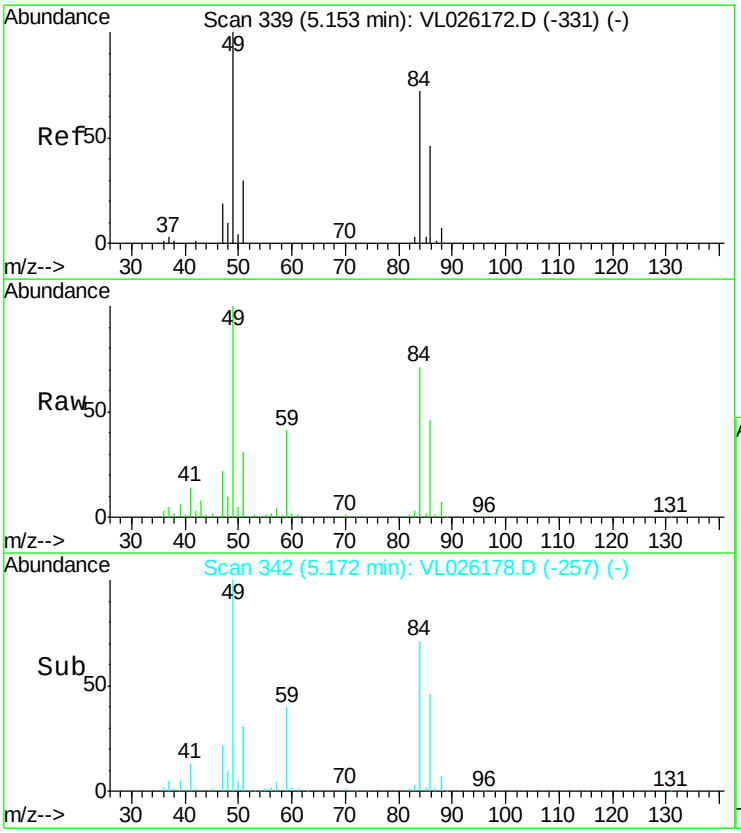
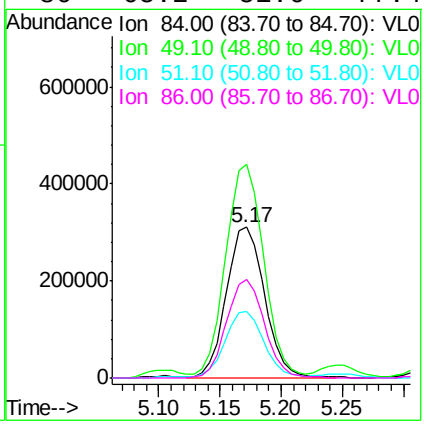
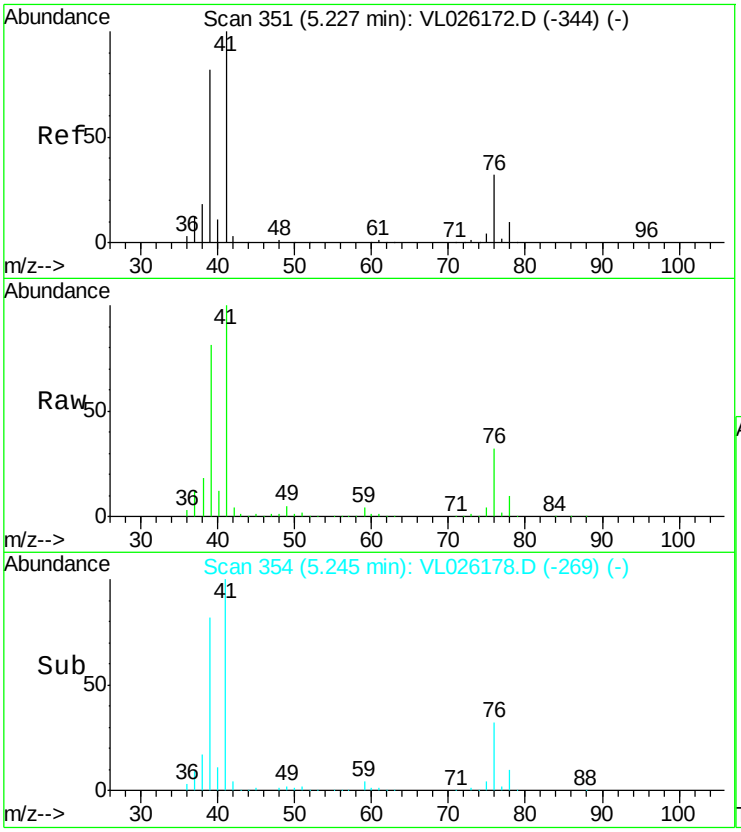


#20
Methylene Chloride
Concen: 14.74 ppbv
RT: 5.17 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 84 Resp: 676109

Ion	Ratio	Lower	Upper
84	100		
49	139.7	111.3	166.9
51	43.8	33.0	49.6
86	65.2	51.6	77.4

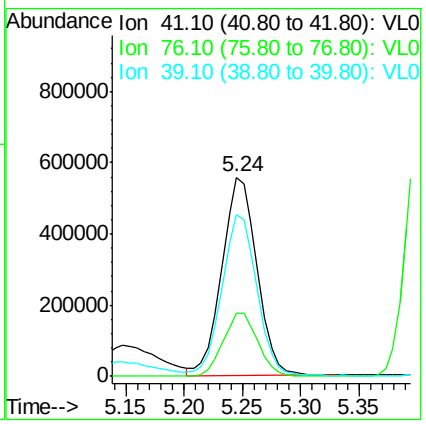




#21
Allvl Chloride
Concen: 15.57 ppbv
RT: 5.24 min Scan# 354
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 41 Resp: 1158996

Ion	Ratio	Lower	Upper
41	100		
76	31.7	25.4	38.2
39	81.5	66.5	99.7



Instrument :
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ClientSampleId :
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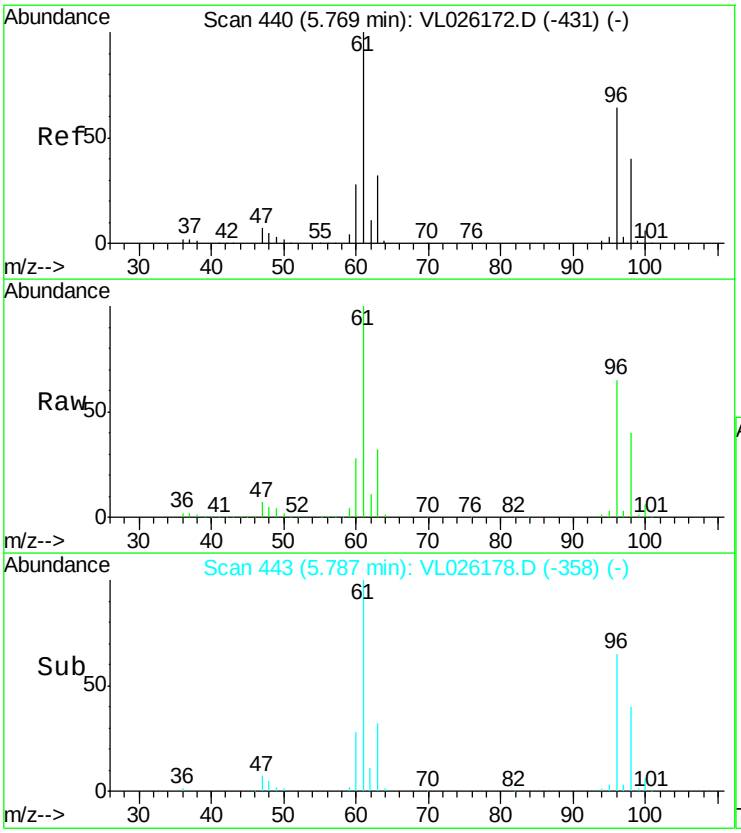
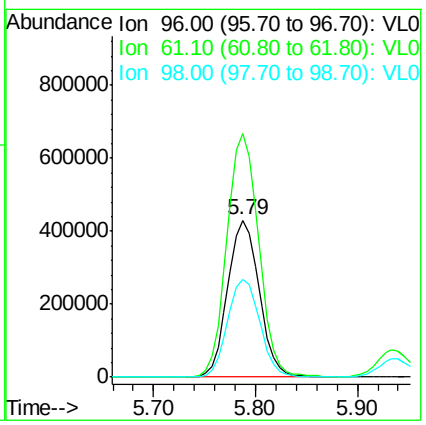
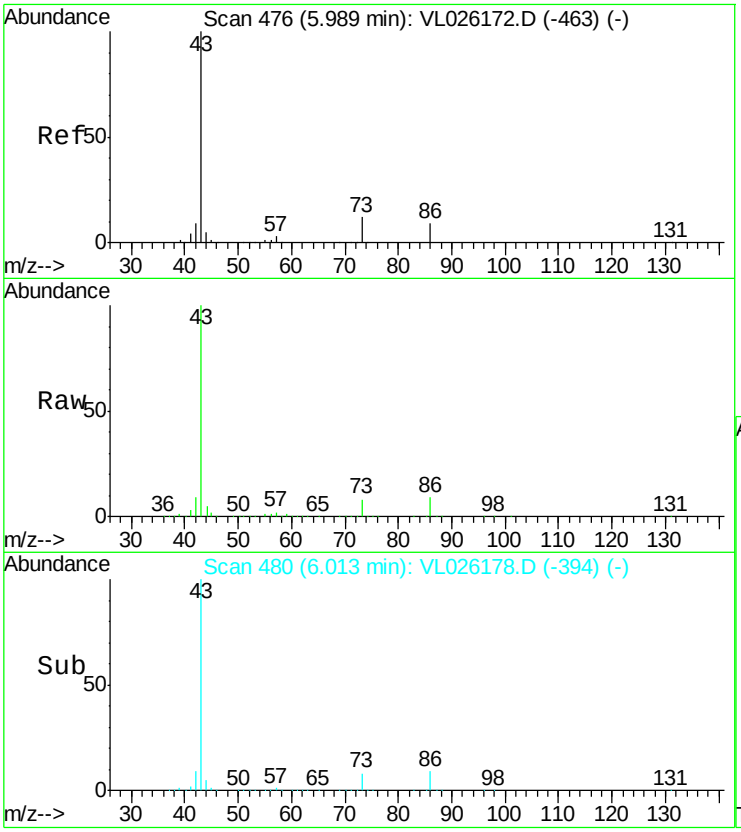


#22
trans-1,2-Dichloroethene
Concen: 14.89 ppbv
RT: 5.79 min Scan# 443
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 96 Resp: 922373

Ion	Ratio	Lower	Upper
96	100		
61	155.0	125.8	188.6
98	62.3	50.6	75.8

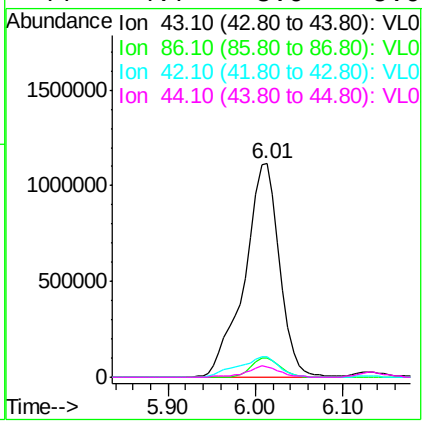




#23
Vinyl Acetate
Concen: 15.08 ppbv
RT: 6.01 min Scan# 480
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 3082606

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.2	10.8
42	9.3	7.4	11.2
44	4.7	3.9	5.9



Instrument :
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ClientSampleId :
VSTDICC015

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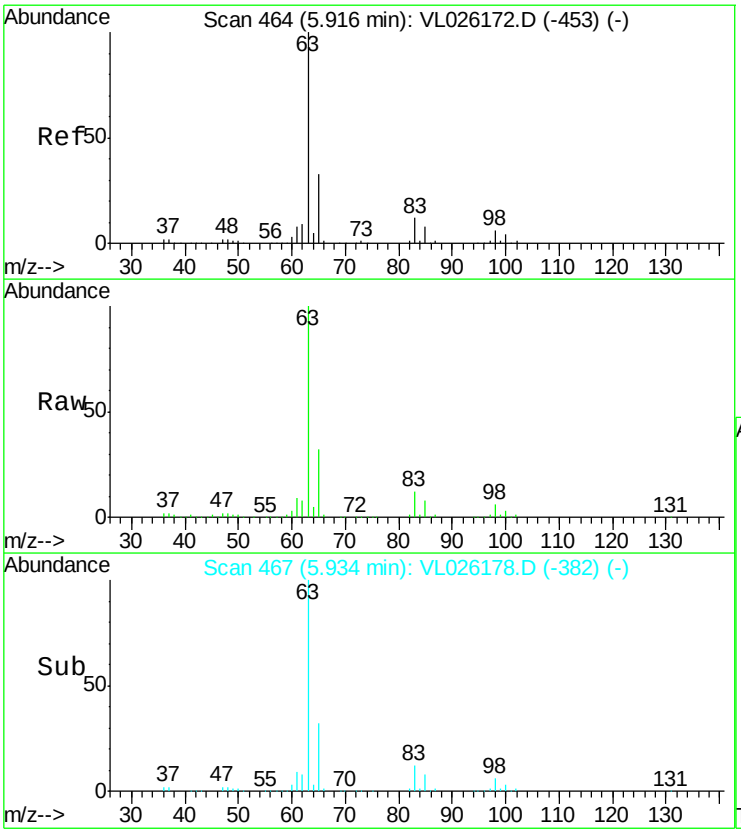
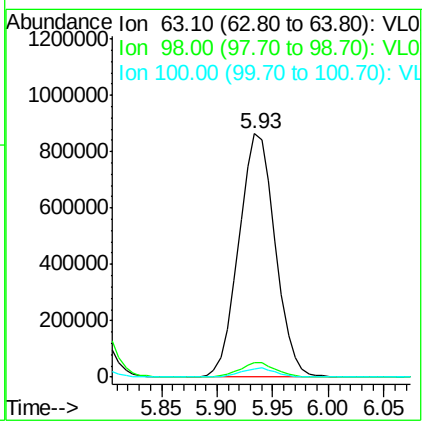
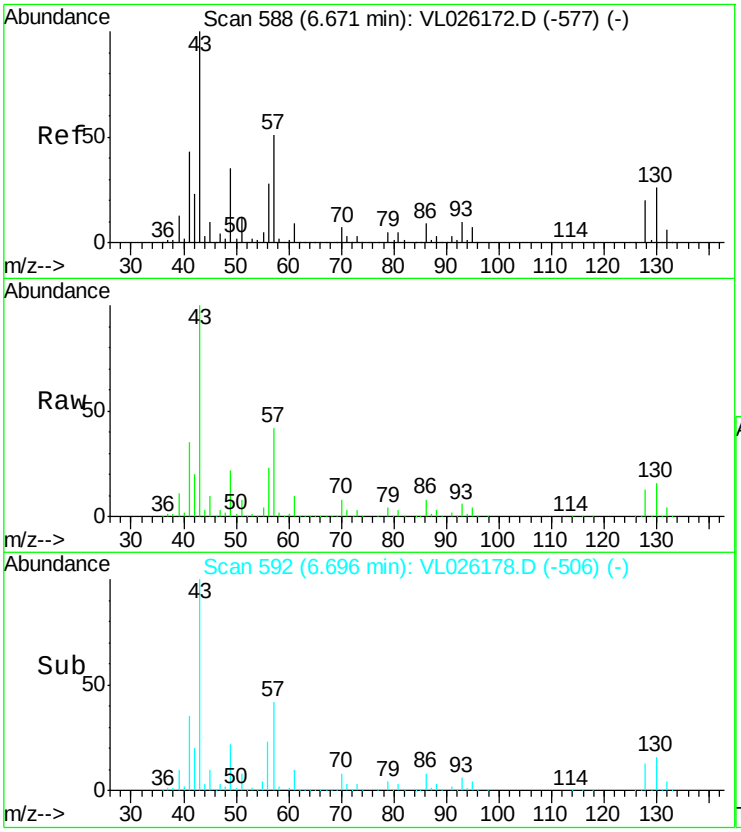


#24
1,1-Dichloroethane
Concen: 14.23 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 63 Resp: 1961013

Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.7
100	3.4	1.8	5.5

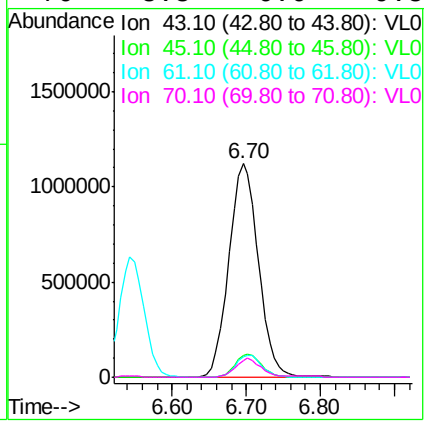




#25
Ethyl Acetate
Concen: 13.55 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 3103693

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.7	11.5
61	9.3	7.4	11.2
70	8.3	6.6	9.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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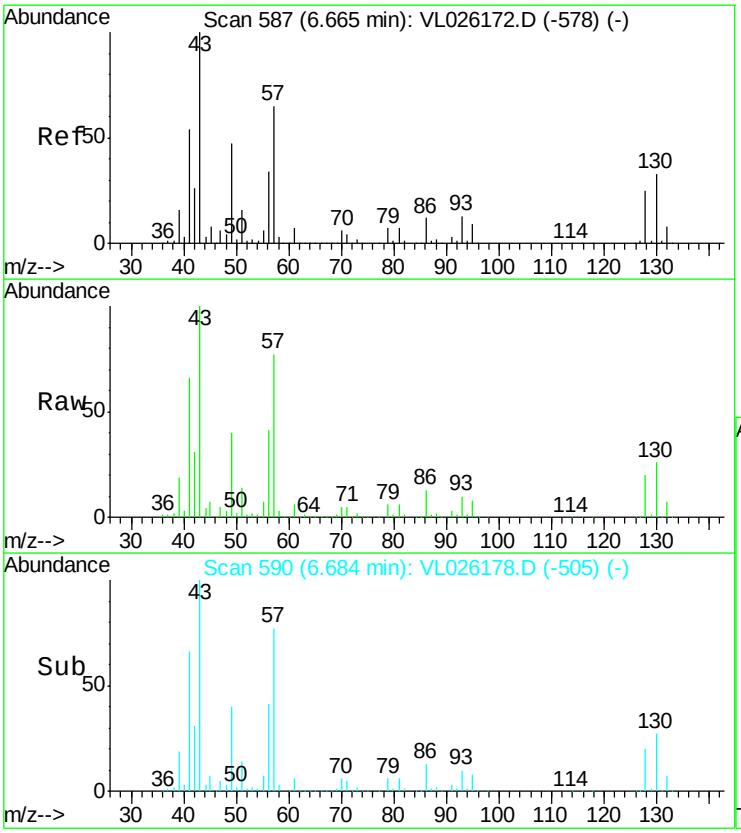
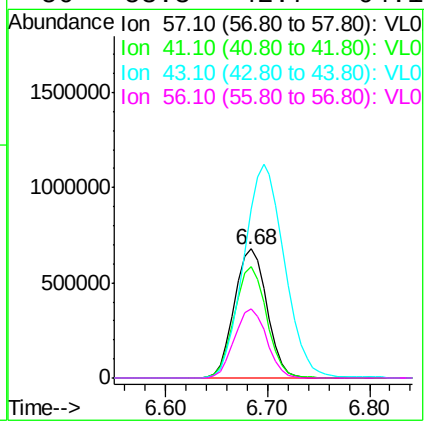
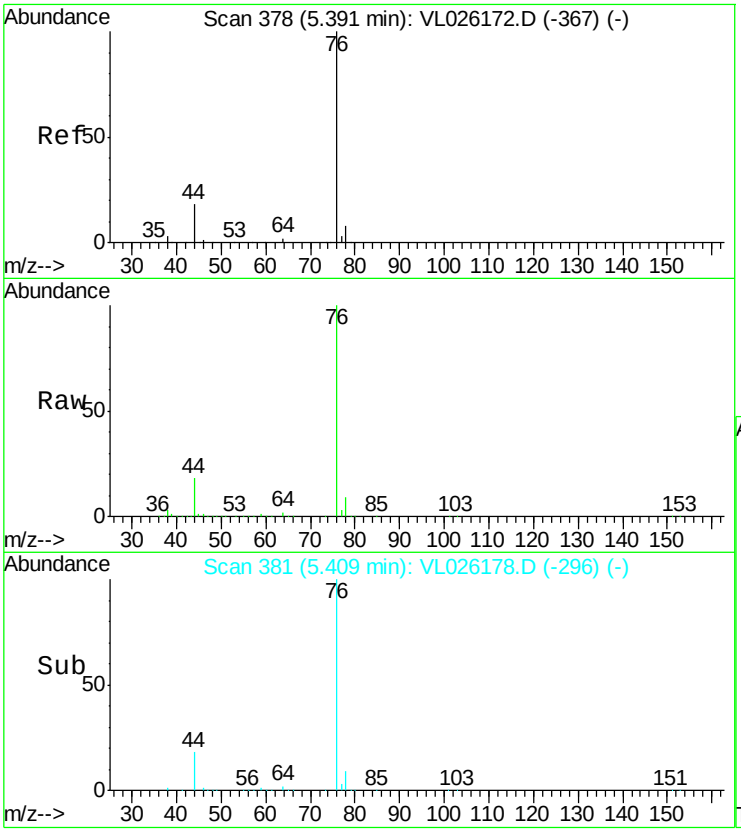


#26
Hexane
Concen: 13.66 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 57 Resp: 1499638

Ion	Ratio	Lower	Upper
57	100		
41	86.4	68.0	102.0
43	208.3	164.4	246.6
56	53.3	42.7	64.1

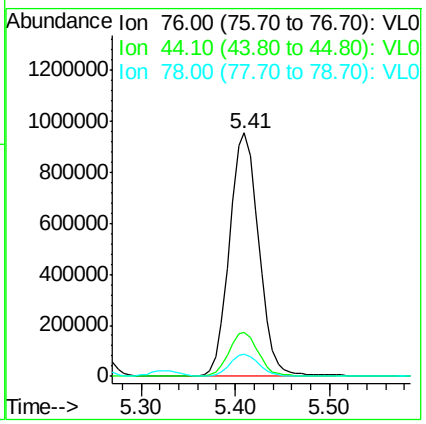




#27
Carbon Disulfide
Concen: 17.59 ppbv
RT: 5.41 min Scan# 381
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 76 Resp: 2067821

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.2	21.4
78	9.3	7.5	11.3



Instrument :
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ClientSampleId :
VSTDICC015

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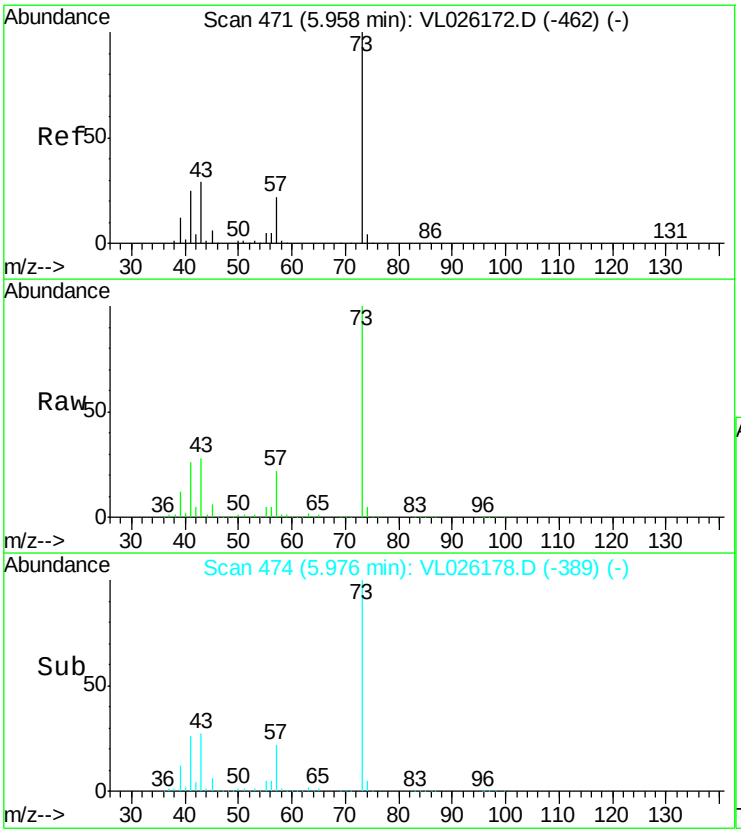
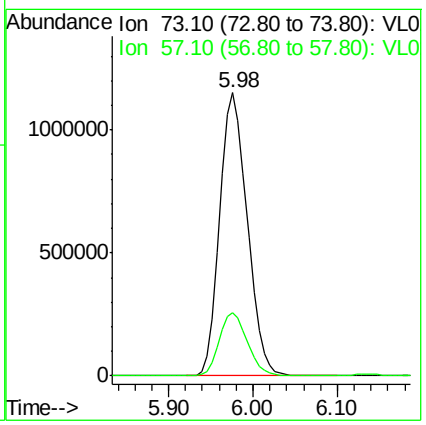
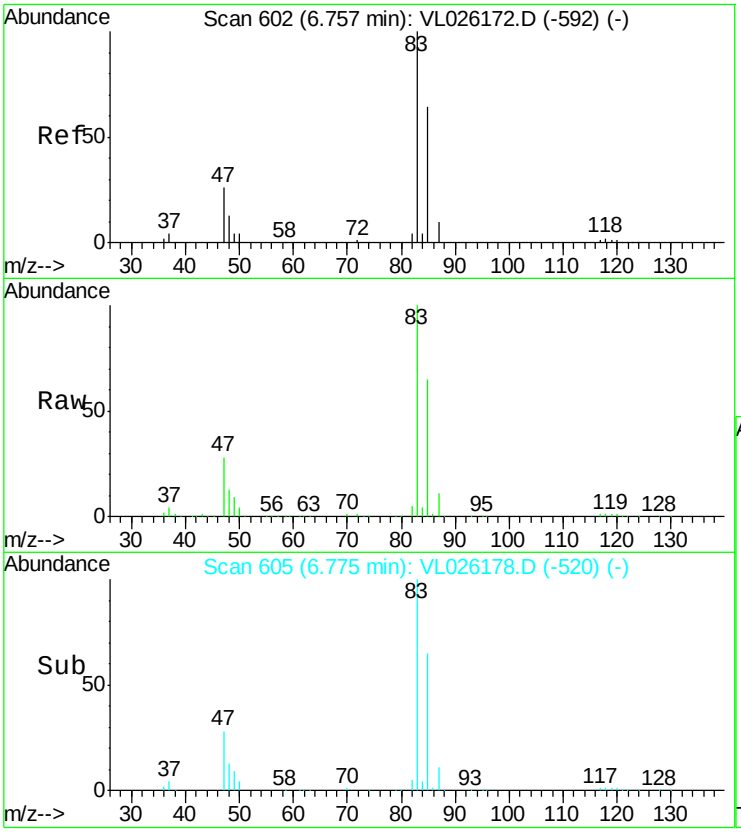


#28
Methyl tert-Butyl Ether
Concen: 15.38 ppbv
RT: 5.98 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 73 Resp: 2569010

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.8	26.6

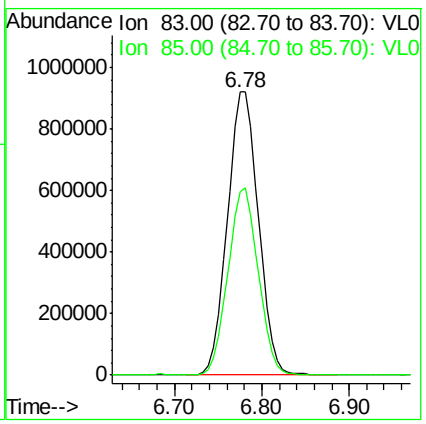




#29
Chloroform
Concen: 14.87 ppbv
RT: 6.78 min Scan# 605
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 83 Resp: 2266912

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3



Instrument :
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ClientSampleId :
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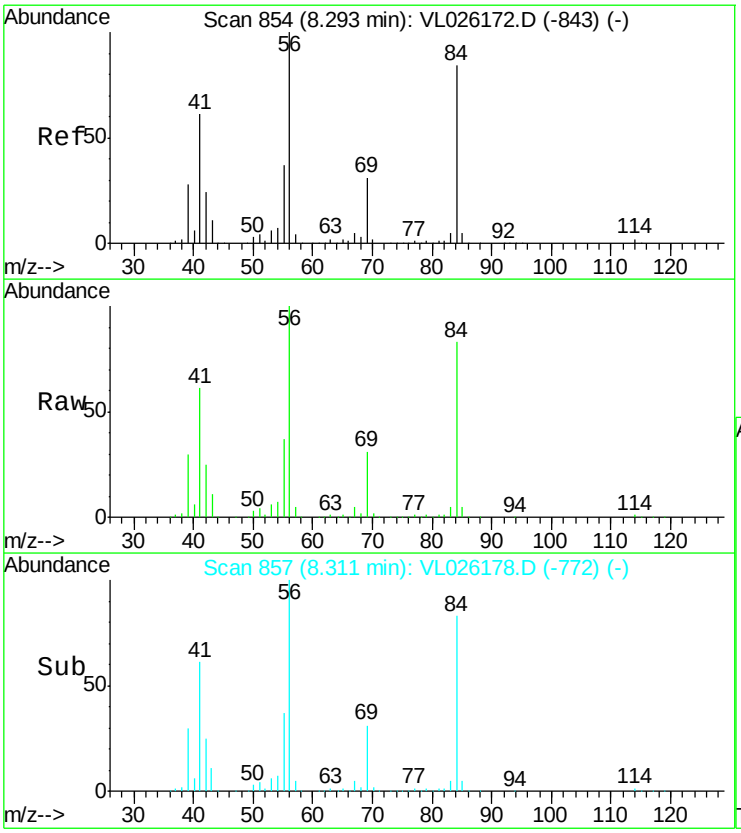
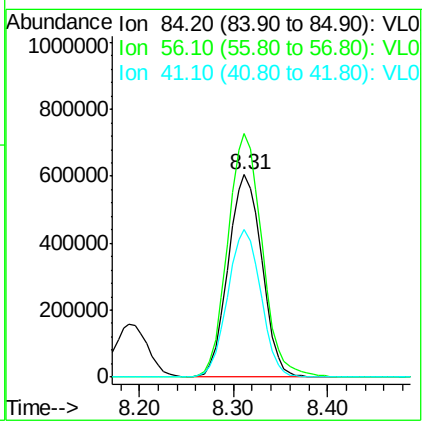
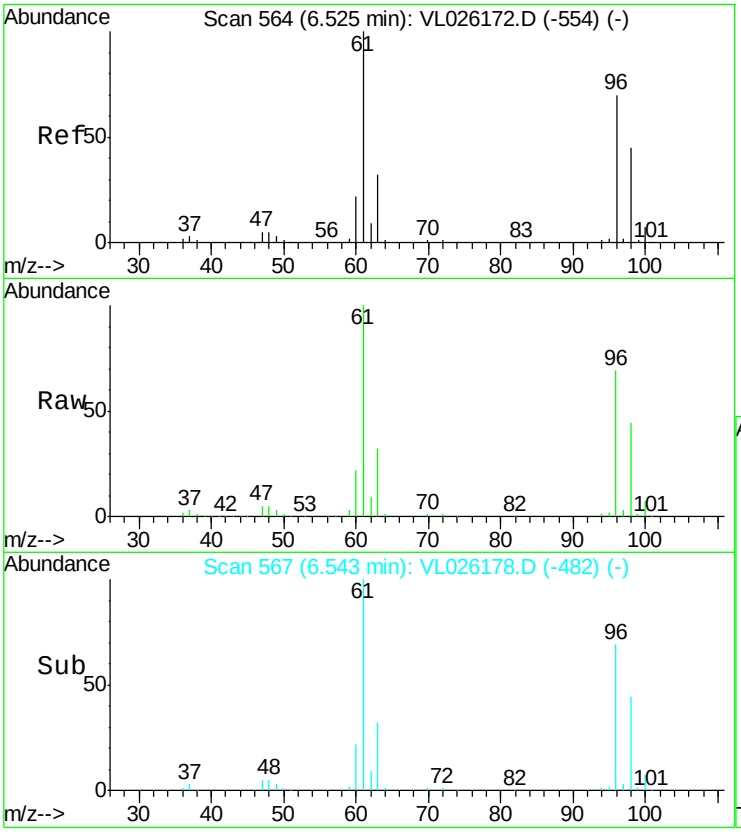


#30
Cyclohexane
Concen: 14.34 ppbv
RT: 8.31 min Scan# 857
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 84 Resp: 1503812

Ion	Ratio	Lower	Upper
84	100		
56	123.5	99.8	149.8
41	72.3	58.1	87.1

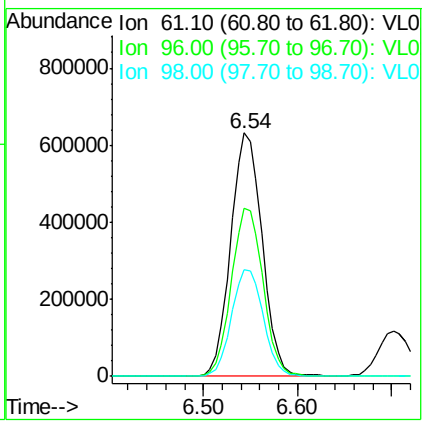




#31
cis-1,2-Dichloroethene
Concen: 14.66 ppbv
RT: 6.54 min Scan# 567
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 61 Resp: 1471792

Ion	Ratio	Lower	Upper
61	100		
96	68.9	55.8	83.8
98	43.8	35.8	53.6



Instrument :
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ClientSampleId :
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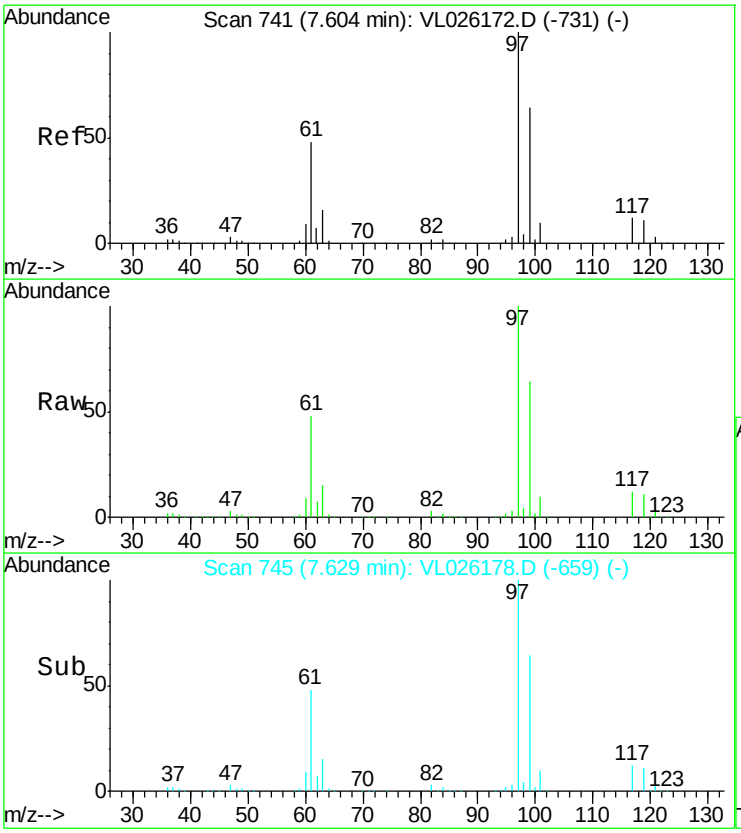
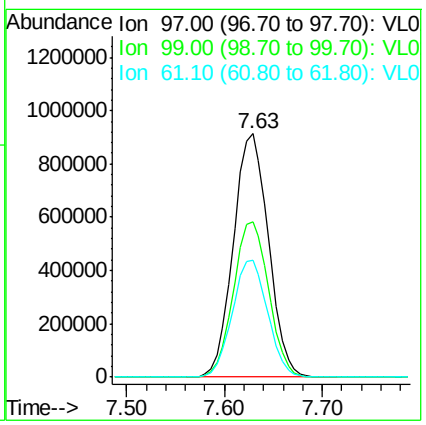
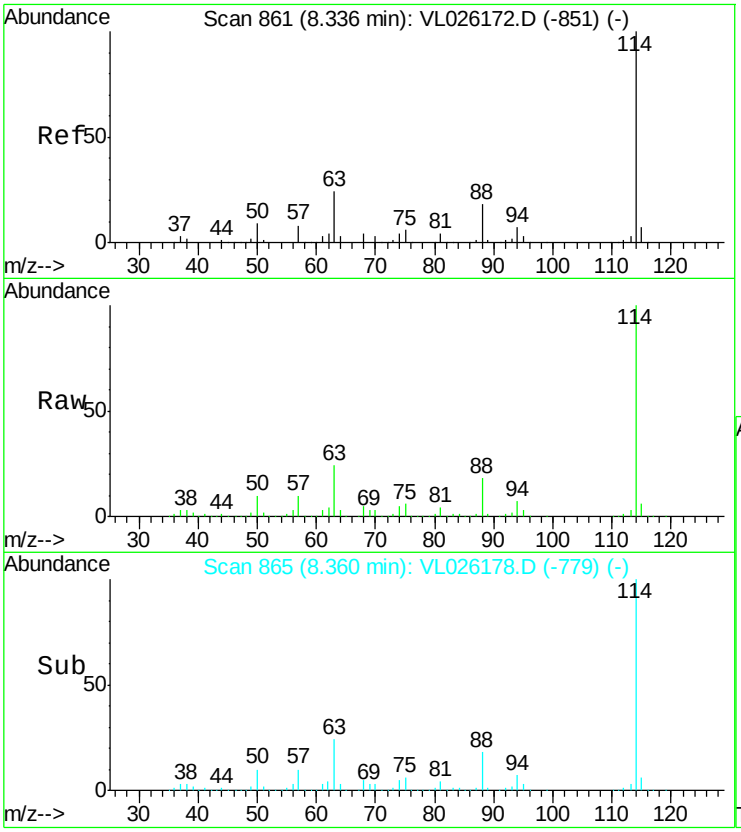


#32
1,1,1-Trichloroethane
Concen: 14.94 ppbv
RT: 7.63 min Scan# 745
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 97 Resp: 2278500

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	48.5	38.7	58.1

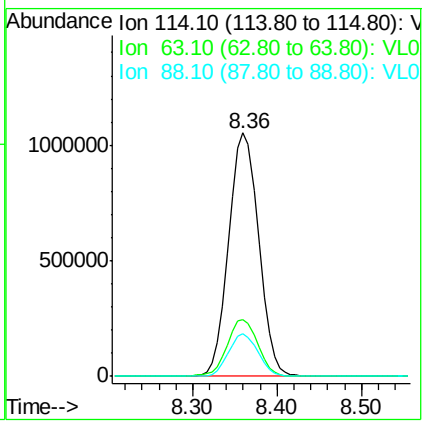




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:114 Resp: 2544728

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.0	28.6
88	17.2	13.8	20.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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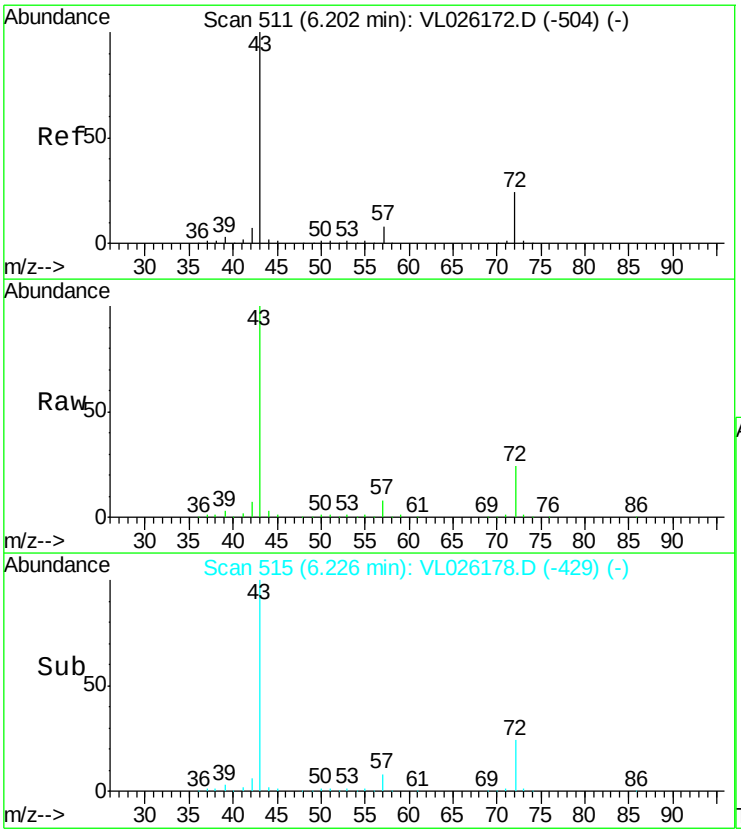
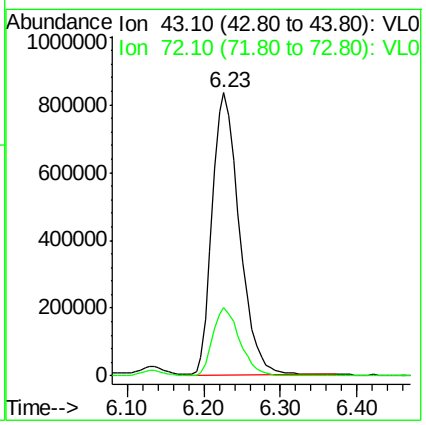
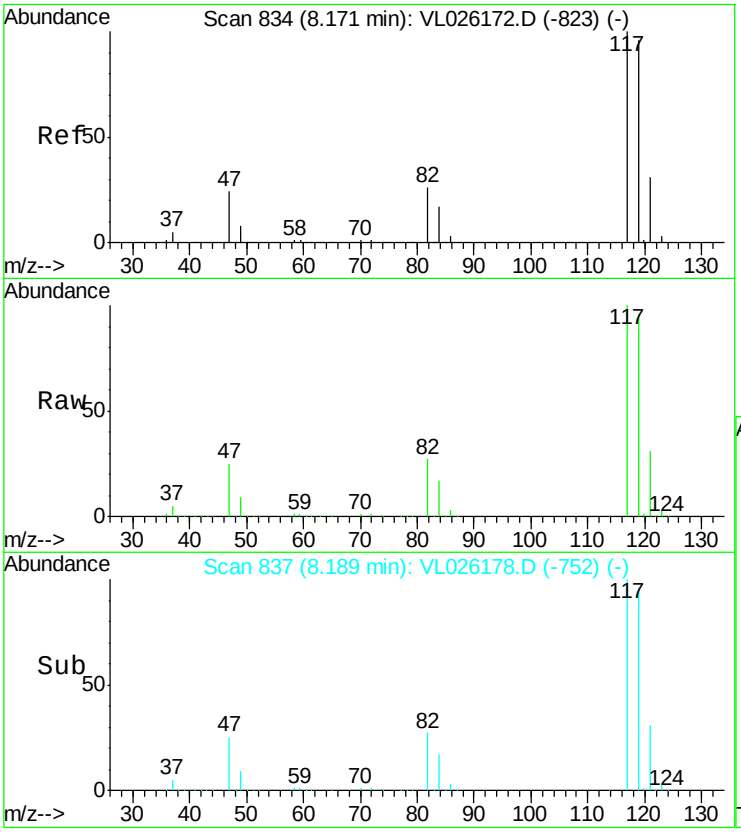


#34
2-Butanone
Concen: 12.59 ppbv
RT: 6.23 min Scan# 515
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 2056577

Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.6	29.4

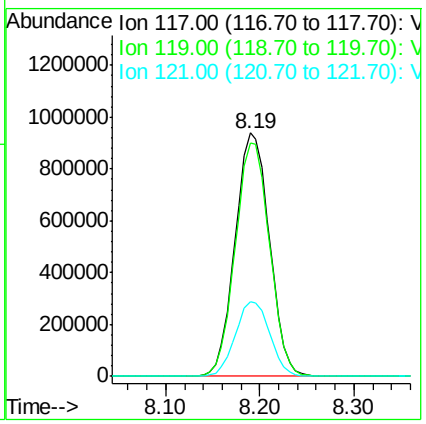




#35
Carbon Tetrachloride
Concen: 13.94 ppbv
RT: 8.19 min Scan# 837
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:117 Resp: 2378248

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	30.8	25.0	37.4



Instrument :
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ClientSampleId :
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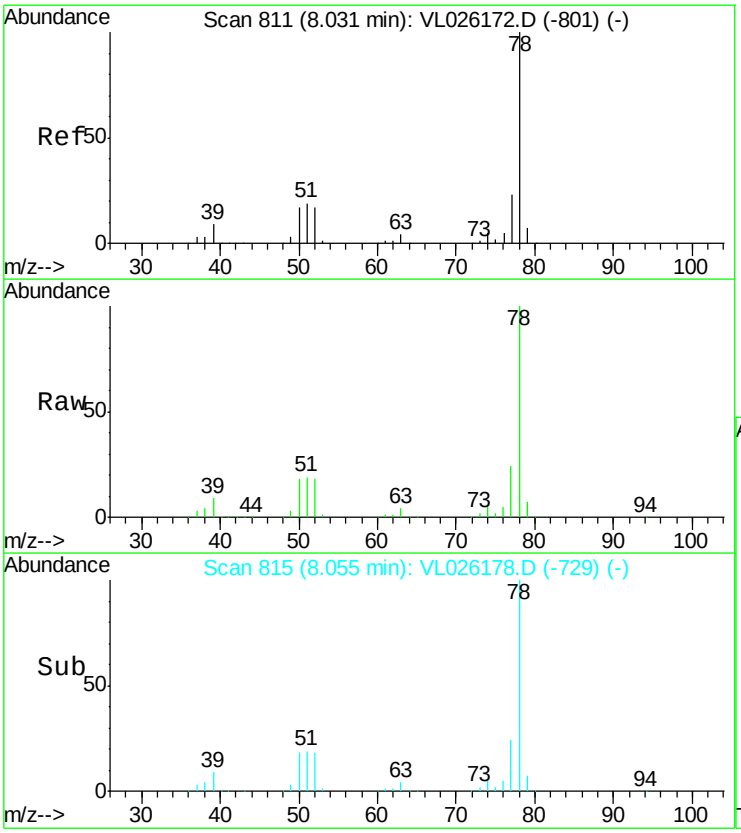
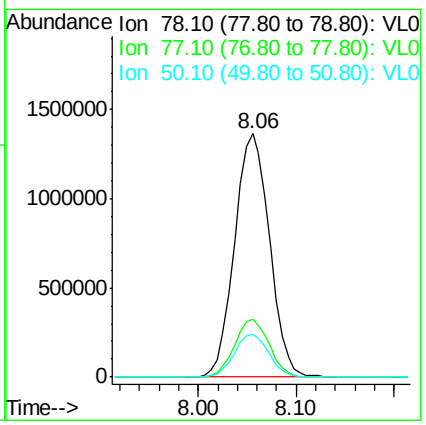
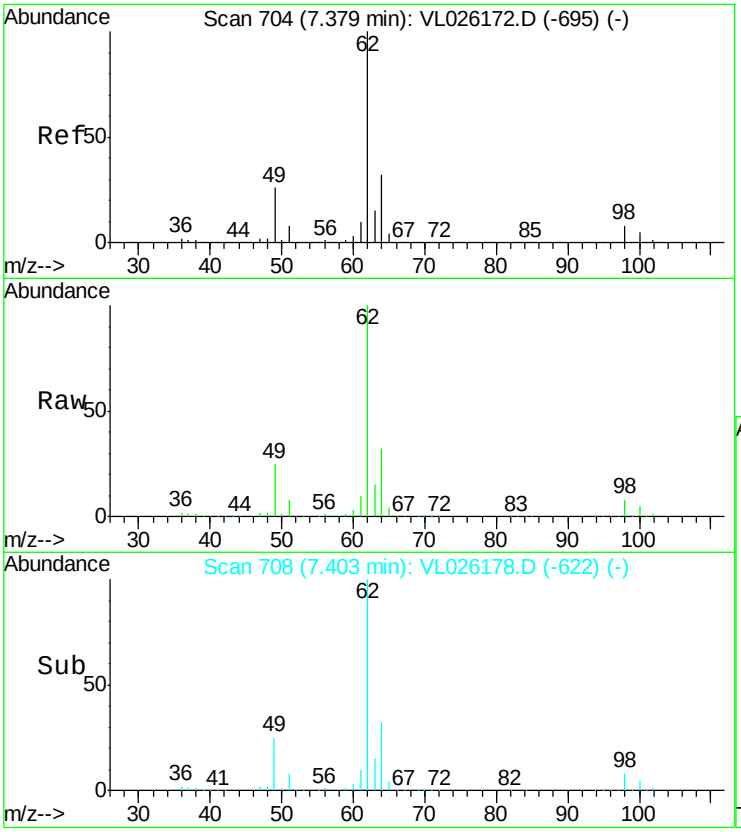


#36
Benzene
Concen: 12.57 ppbv
RT: 8.06 min Scan# 815
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 78 Resp: 3382130

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.4
50	17.6	13.4	20.2

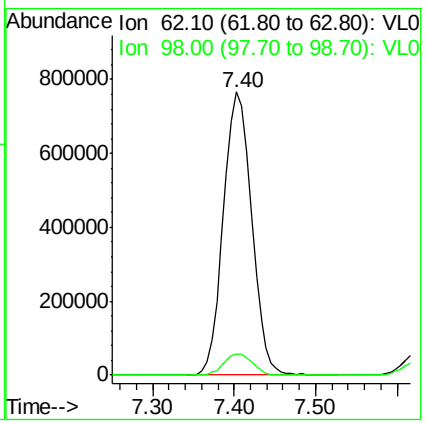




#37
1,2-Dichloroethane
Concen: 13.70 ppbv
RT: 7.40 min Scan# 708
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 62 Resp: 1840881

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.2	9.2



Instrument :
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ClientSampleId :
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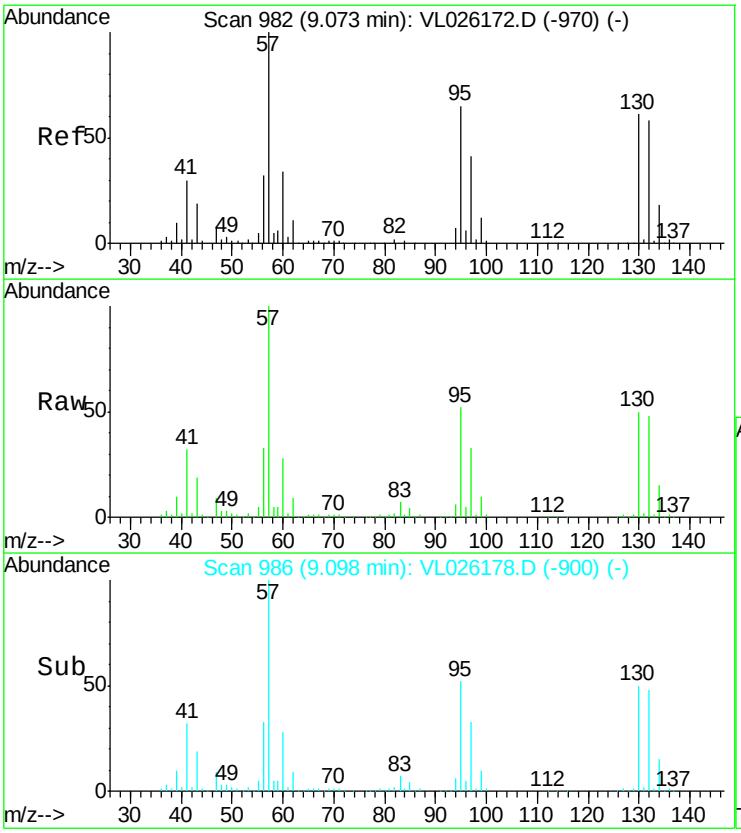
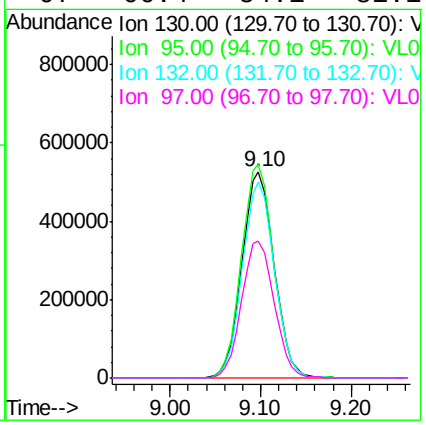
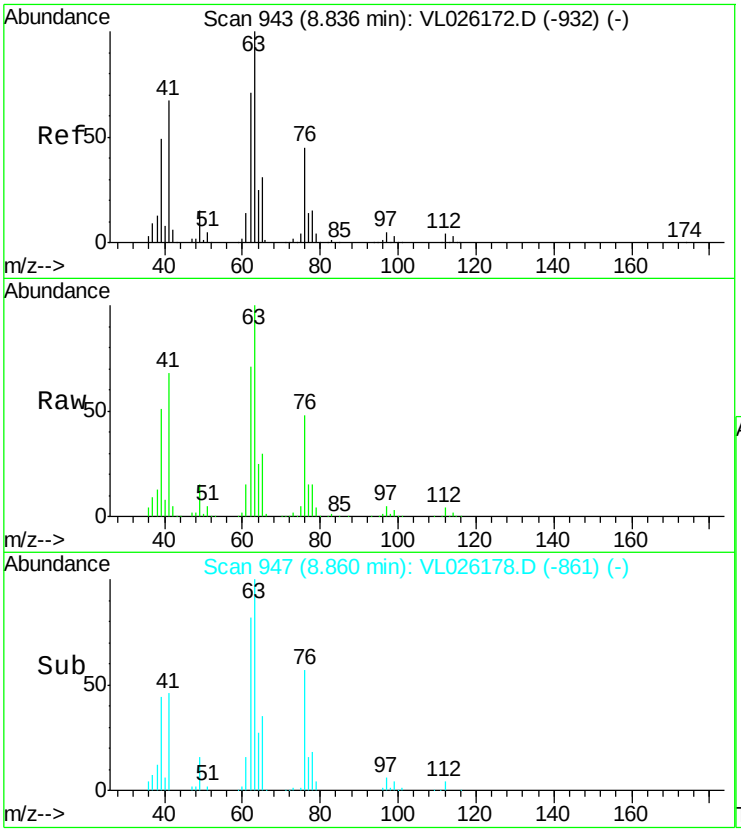


#38
Trichloroethene
Concen: 10.98 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:130 Resp: 1291783

Ion	Ratio	Lower	Upper
130	100		
95	103.4	84.9	127.3
132	95.0	76.8	115.2
97	66.4	54.1	81.1

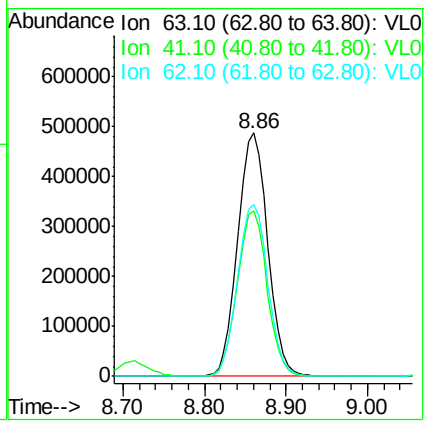




#39
1,2-Dichloropropane
Concen: 12.37 ppbv
RT: 8.86 min Scan# 947
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 63 Resp: 1249435

Ion	Ratio	Lower	Upper
63	100		
41	67.7	53.9	80.9
62	70.8	57.1	85.7



Instrument :
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ClientSampleId :
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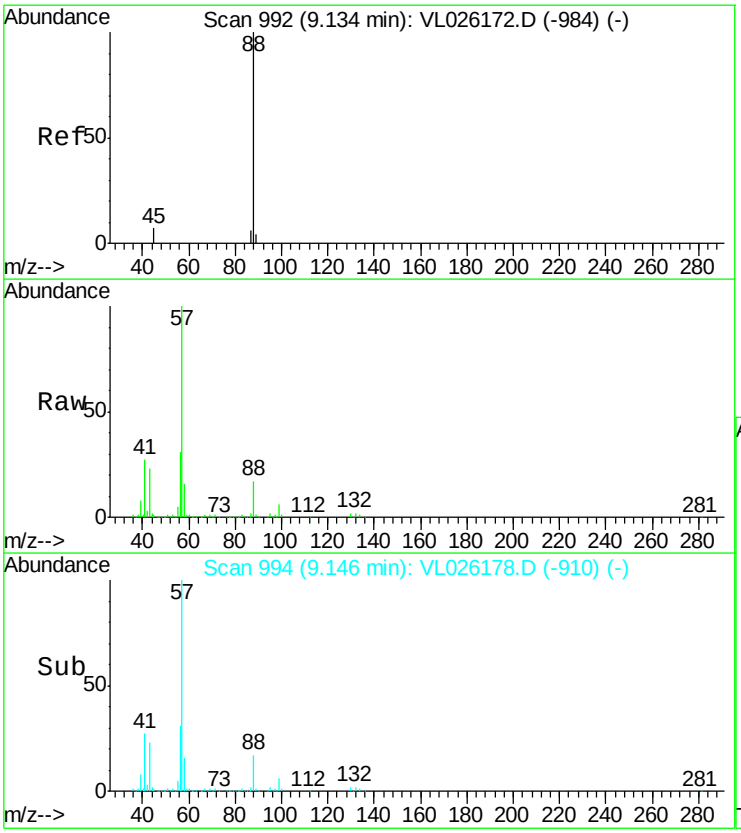
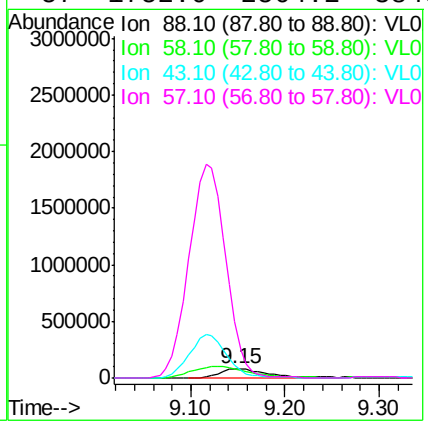
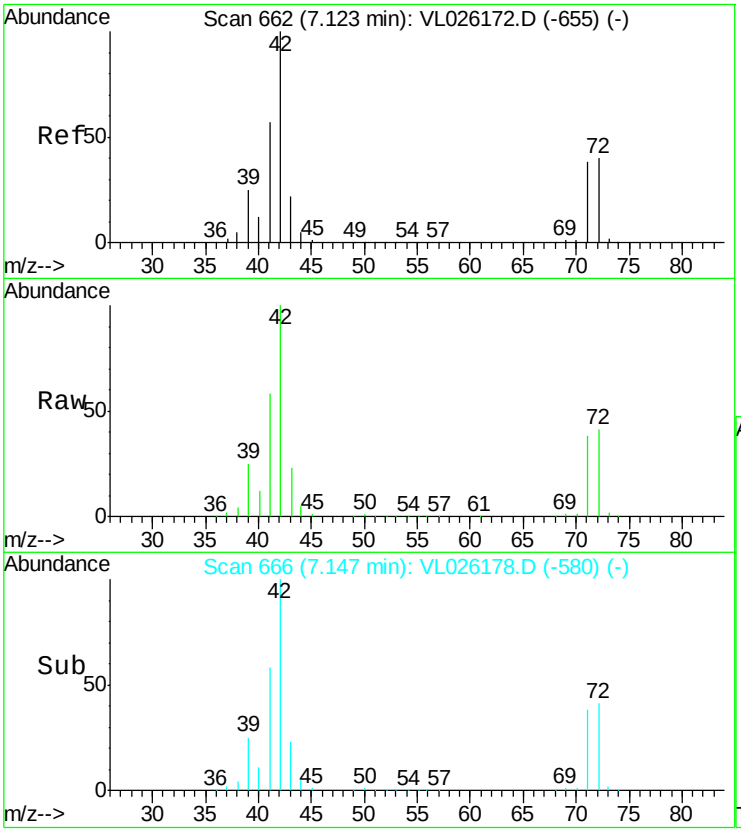


#40
1,4-Dioxane
Concen: 19.85 ppbv
RT: 9.15 min Scan# 994
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 88 Resp: 293498

Ion	Ratio	Lower	Upper
88	100		
58	154.1	178.4	267.6#
43	366.4	510.2	765.4#
57	1752.0	2564.2	3846.4#

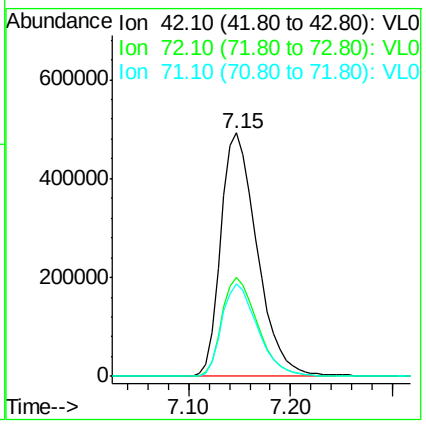




#41
Tetrahydrofuran
Concen: 12.73 ppbv
RT: 7.15 min Scan# 666
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 42 Resp: 1218545

Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.4	48.6
71	37.6	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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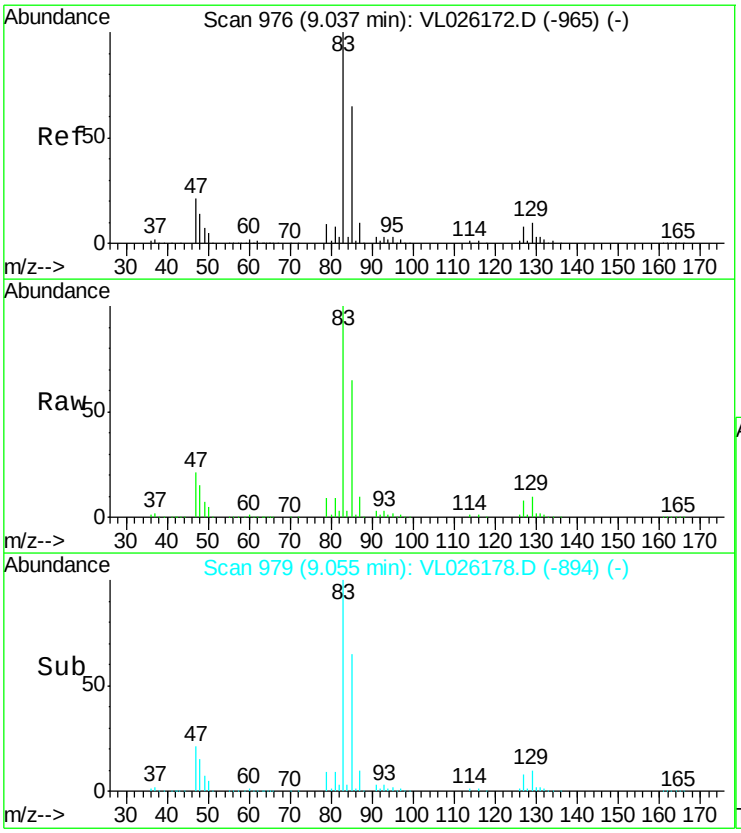
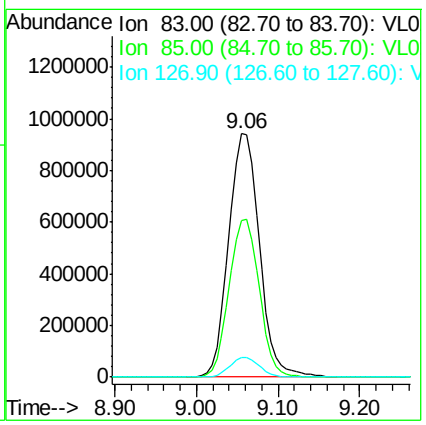
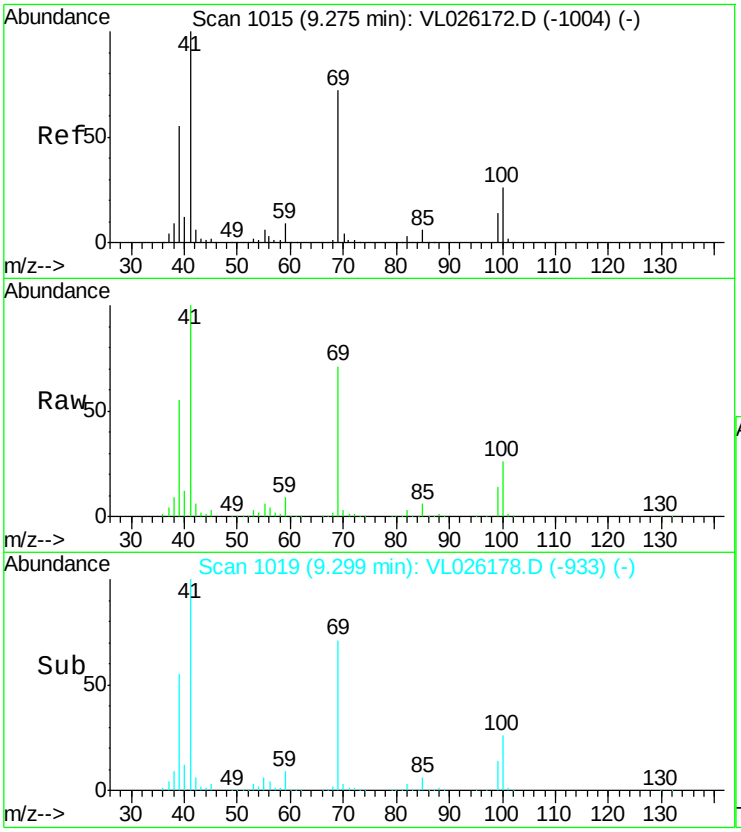


#42
Bromodichloromethane
Concen: 13.94 ppbv
RT: 9.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 83 Resp: 2468439

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9
127	7.8	6.2	9.4

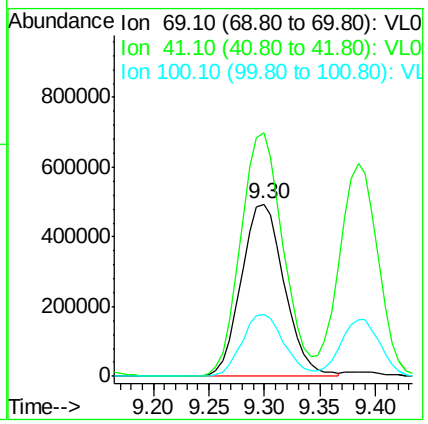




#43
Methyl Methacrylate
Concen: 13.91 ppbv
RT: 9.30 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 69 Resp: 1329006

Ion	Ratio	Lower	Upper
69	100		
41	140.0	111.5	167.3
100	35.5	28.4	42.6



Instrument :
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ClientSampleId :
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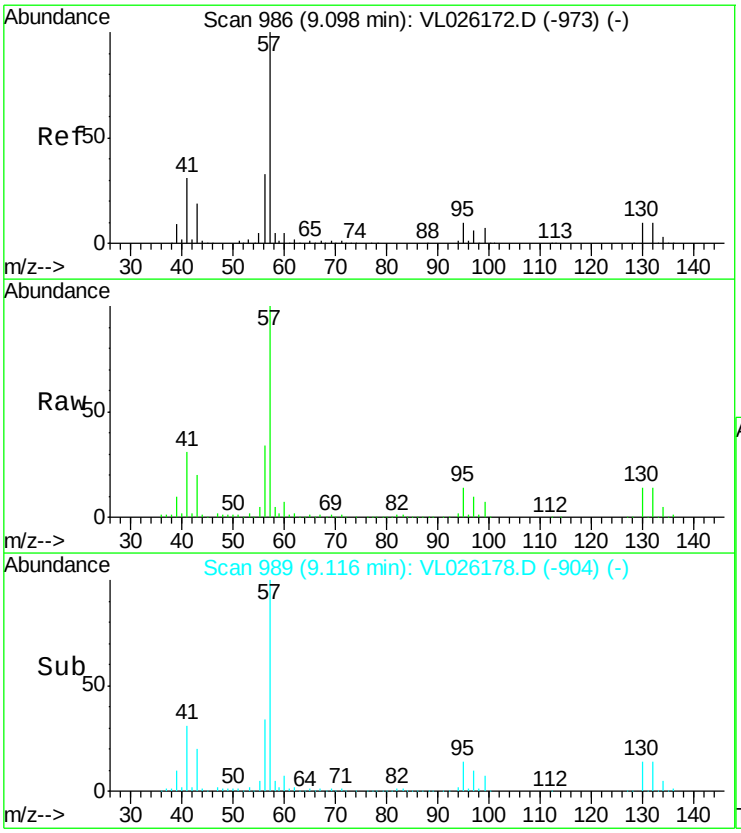
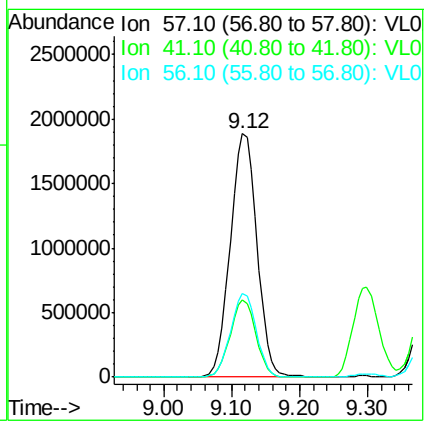
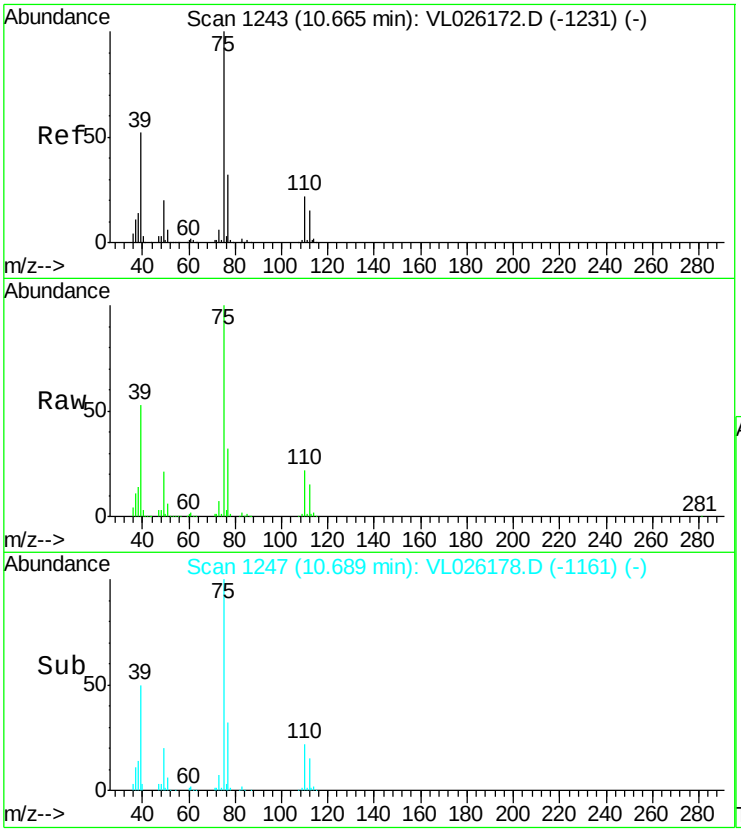


#44
2,2,4-Trimethylpentane
Concen: 11.29 ppbv
RT: 9.12 min Scan# 989
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 57 Resp: 5144805

Ion	Ratio	Lower	Upper
57	100		
41	30.4	23.7	35.5
56	33.1	26.4	39.6





#45
t-1,3-Dichloropropene
Concen: 15.98 ppbv
RT: 10.69 min Scan# 1247
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 75 Resp: 1998873

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

Instrument :
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ClientSampleId :
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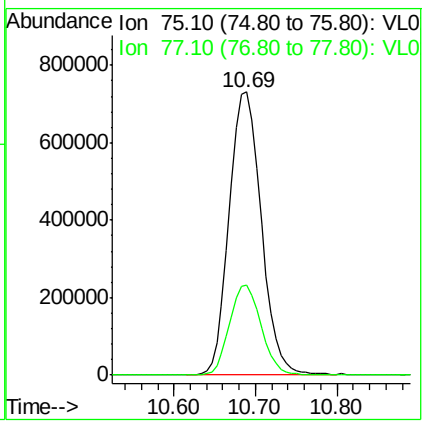
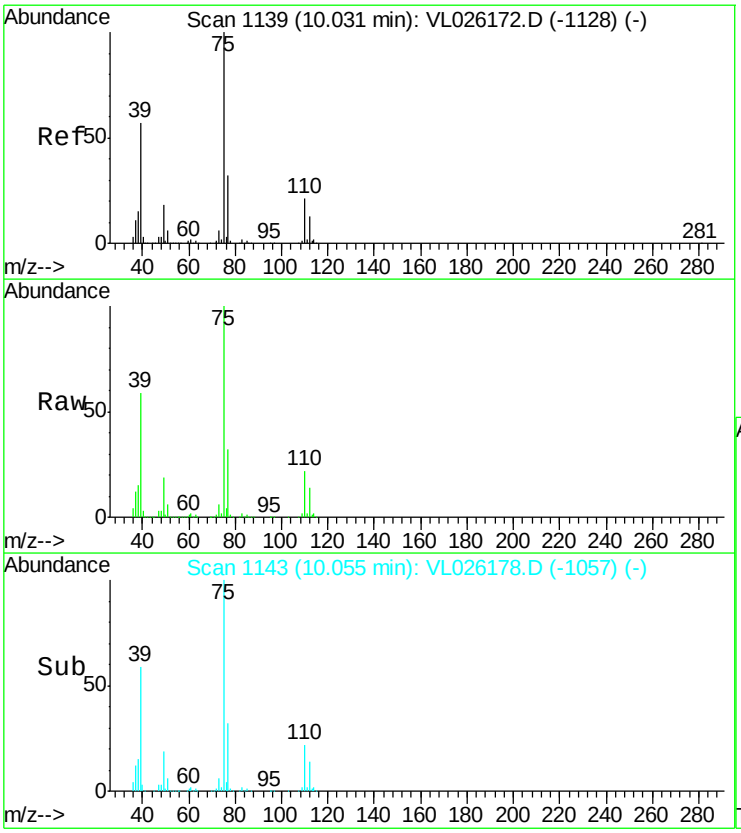
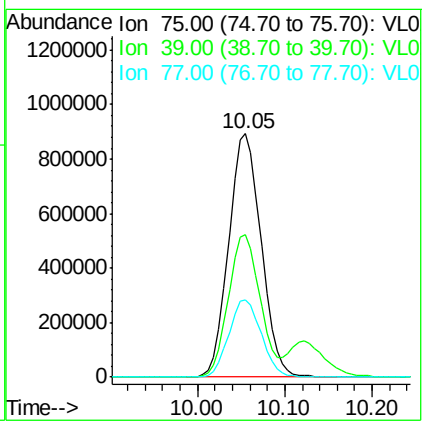


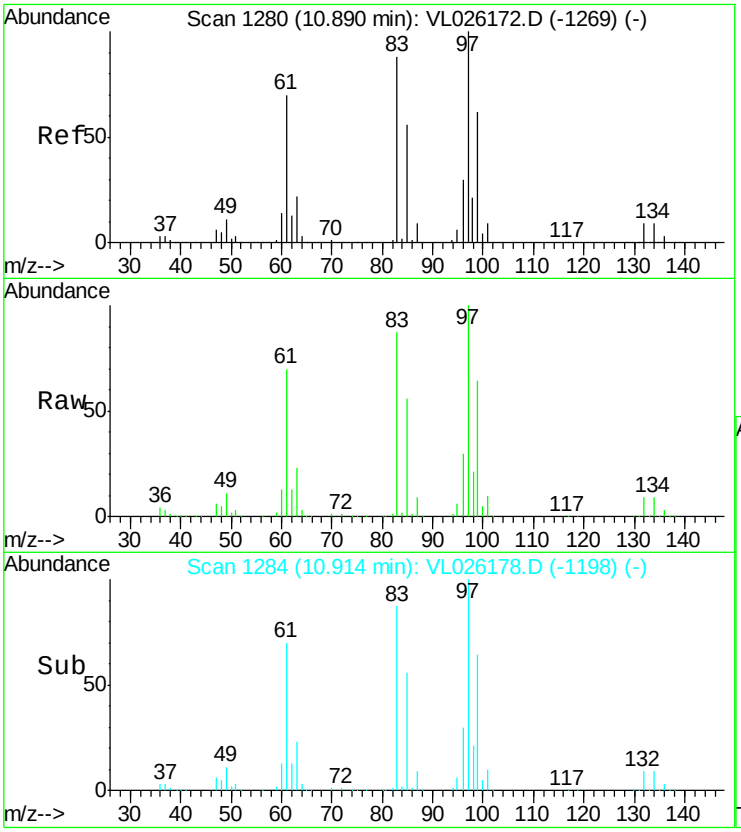


#46
cis-1,3-Dichloropropene
Concen: 14.86 ppbv
RT: 10.05 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 75 Resp: 2304202

Ion	Ratio	Lower	Upper
75	100		
39	58.6	45.4	68.2
77	31.8	25.4	38.2

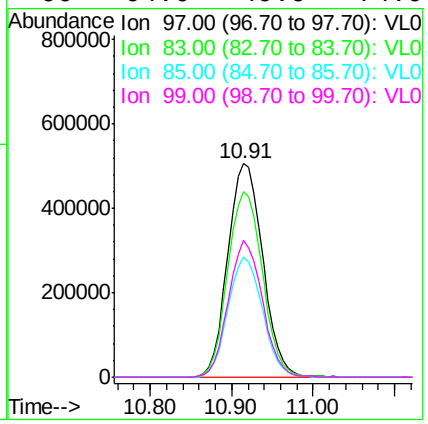




#47
1,1,2-Trichloroethane
Concen: 13.13 ppbv
RT: 10.91 min Scan# 1284
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 97 Resp: 1503868

Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.6	106.0
85	56.3	45.1	67.7
99	64.0	49.9	74.9



Instrument :
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ClientSampleId :
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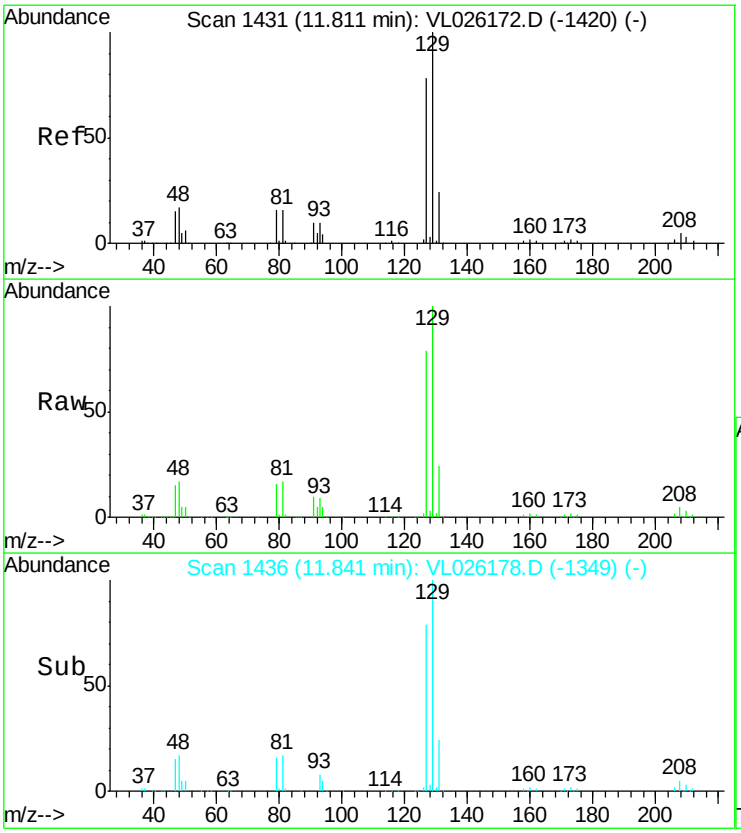
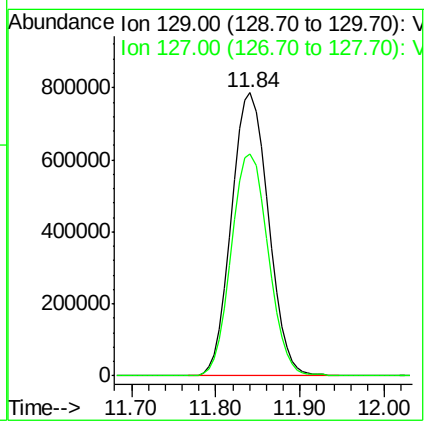
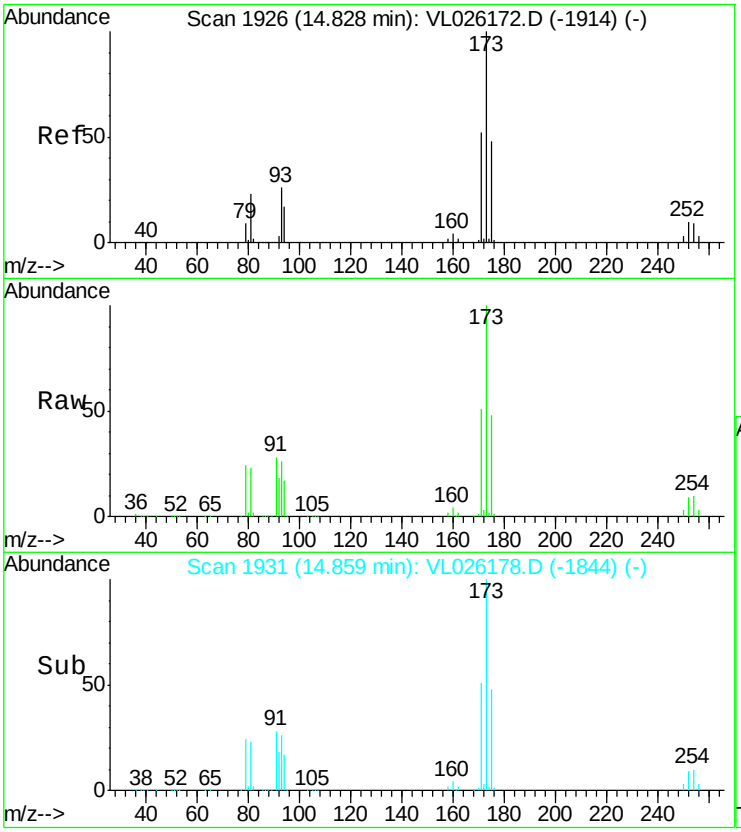


#48
Dibromochloromethane
Concen: 15.15 ppbv
RT: 11.84 min Scan# 1436
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:129 Resp: 2349991

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	117.0

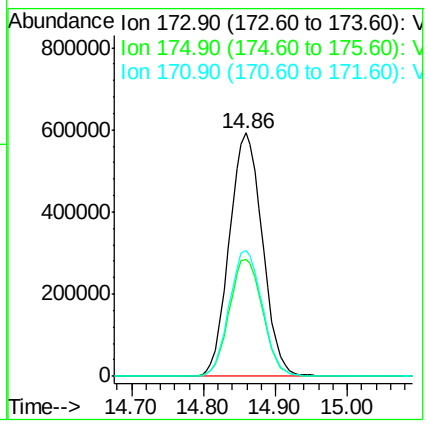




#49
Bromoform
Concen: 16.44 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:173 Resp: 1891874

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.6
171	51.8	41.9	62.9



Instrument :
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ClientSampleId :
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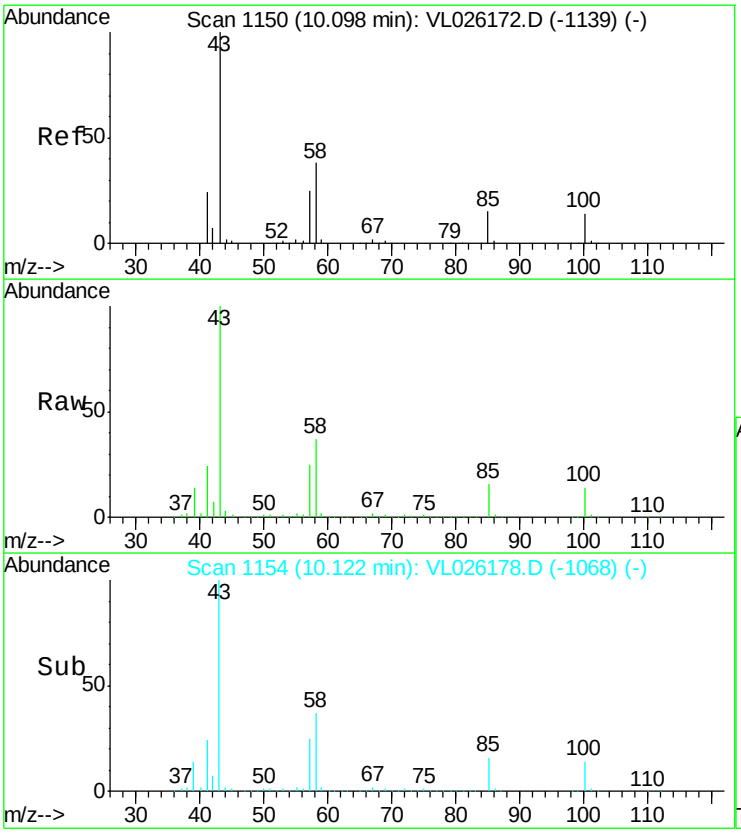
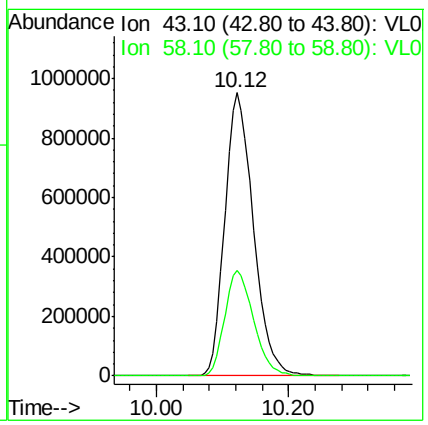
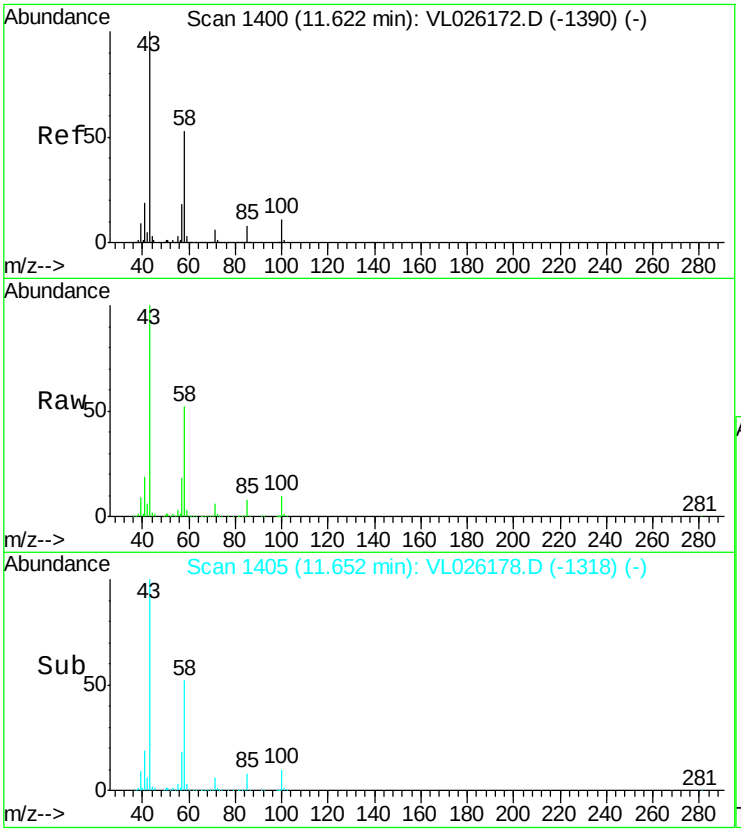


#50
4-Methyl-2-Pentanone
Concen: 12.99 ppbv
RT: 10.12 min Scan# 1154
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 2841649

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.4	45.6





#51
2-Hexanone
Concen: 13.52 ppbv
RT: 11.65 min Scan# 1405
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 43 Resp: 2710265

Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.2	63.4
98	0.2	0.2	0.2#

Instrument :
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ClientSampleId :
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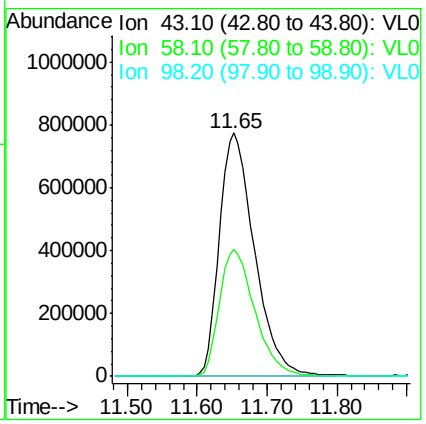
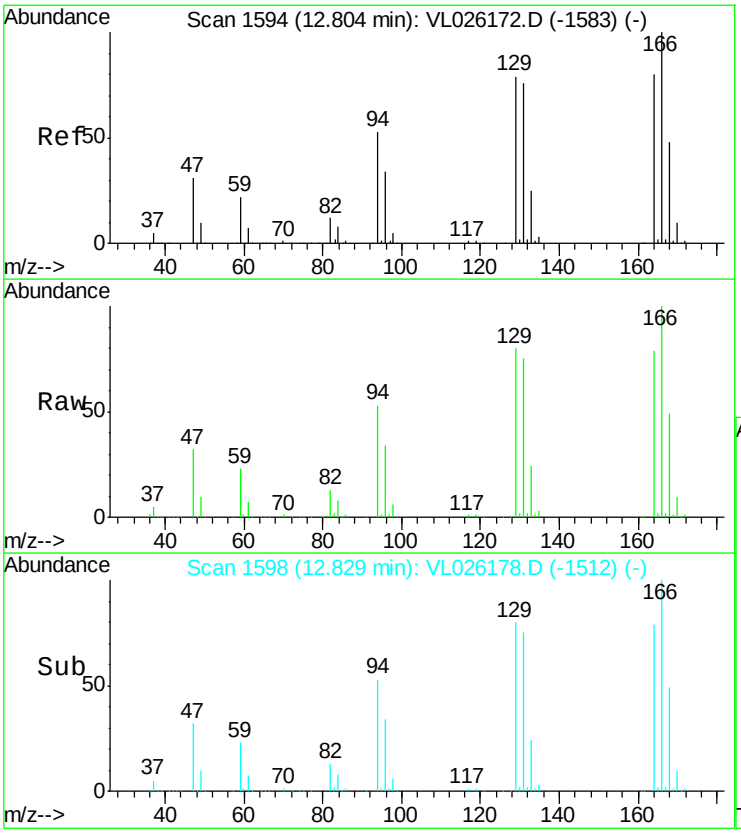
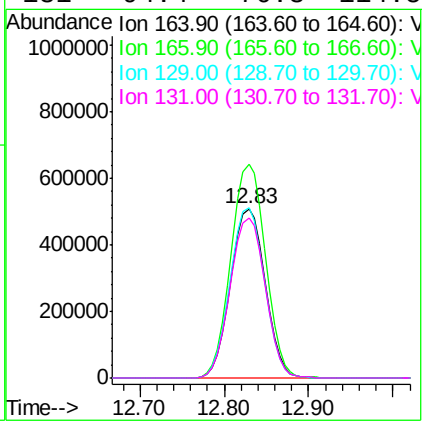


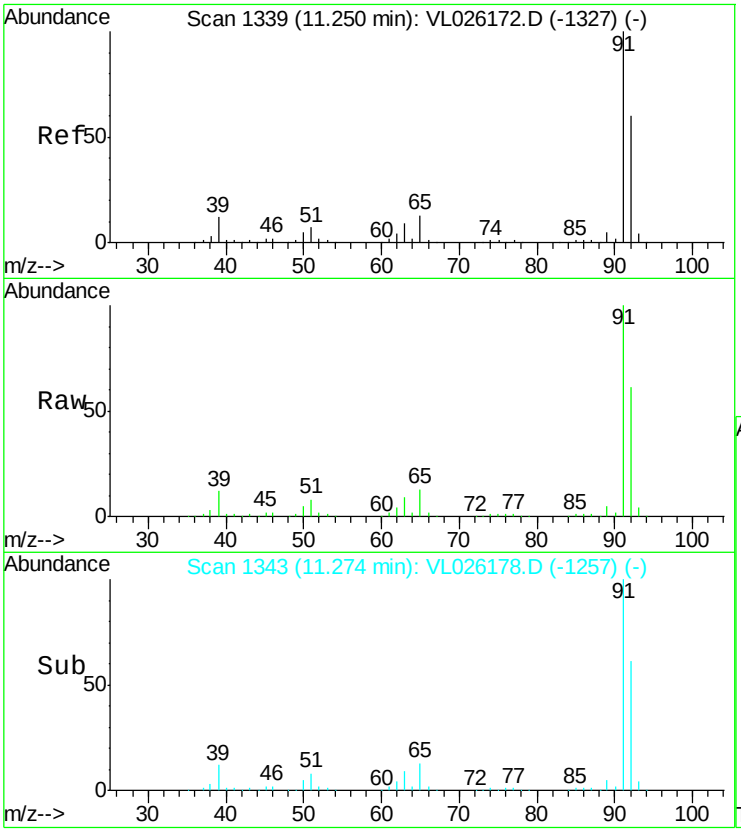


#52
Tetrachloroethene
Concen: 11.59 ppbv
RT: 12.83 min Scan# 1598
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:164 Resp: 1417462

Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.9	149.9
129	100.6	79.1	118.7
131	94.4	76.3	114.5





#53
Toluene
Concen: 12.97 ppbv
RT: 11.27 min Scan# 1343
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 4408546

Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.5	72.7

Instrument :
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ClientSampleId :
VSTDICC015

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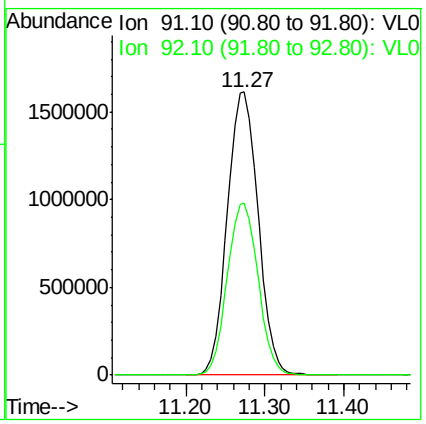
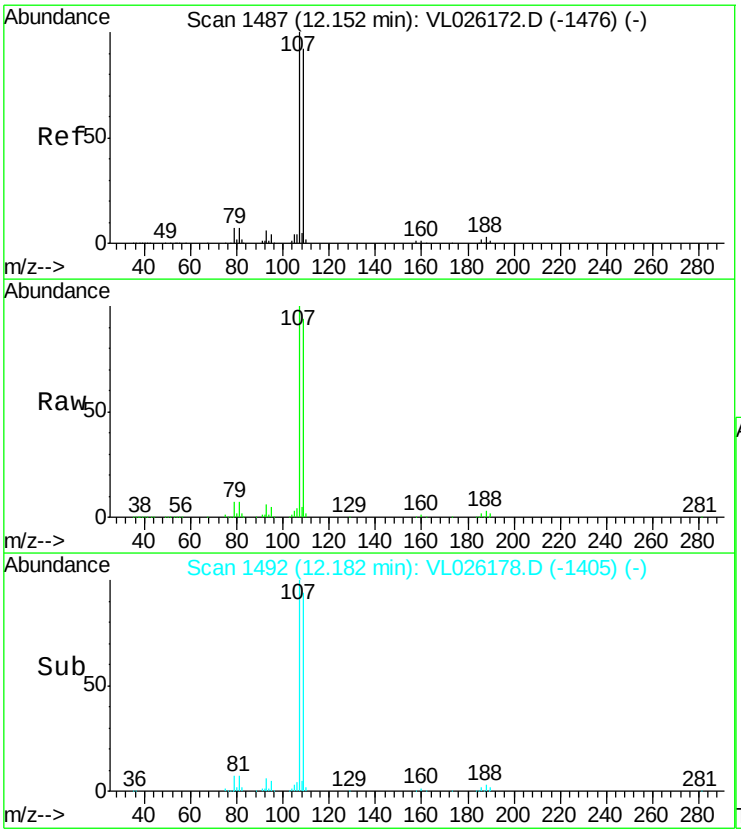
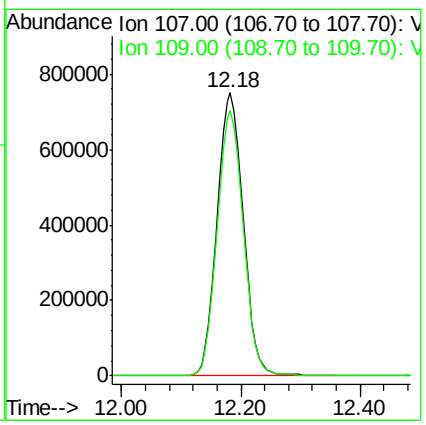


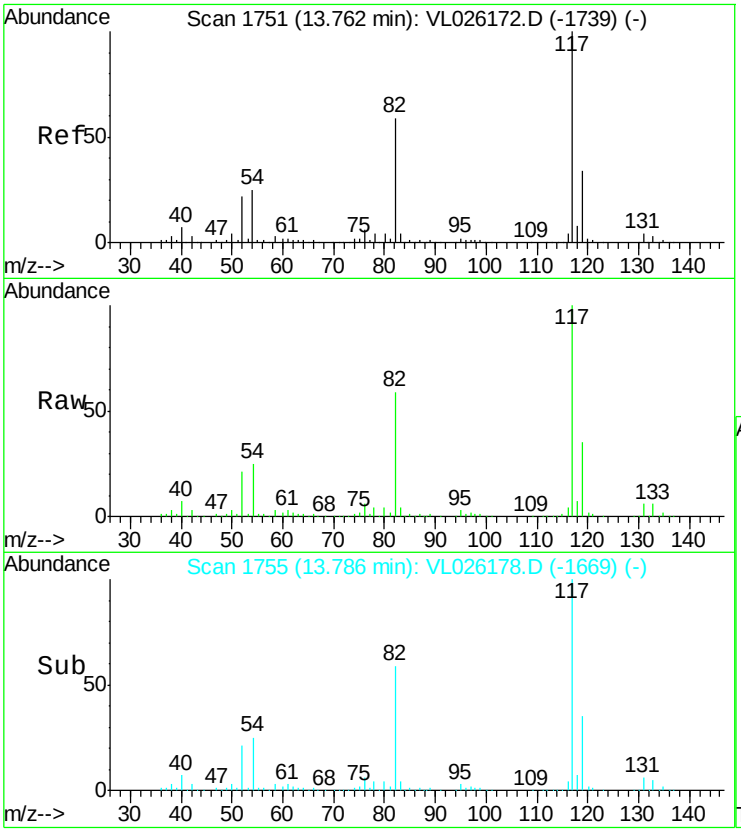


#54
1,2-Dibromoethane
Concen: 13.42 ppbv
RT: 12.18 min Scan# 1492
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:107 Resp: 2291746

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.2	109.8

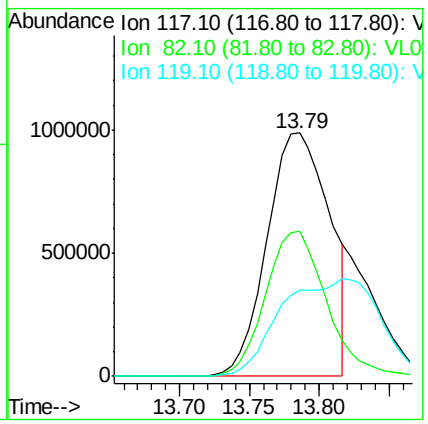




#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.79 min Scan# 1755
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:117 Resp: 3080910

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.7	71.5
119	63.9	43.7	65.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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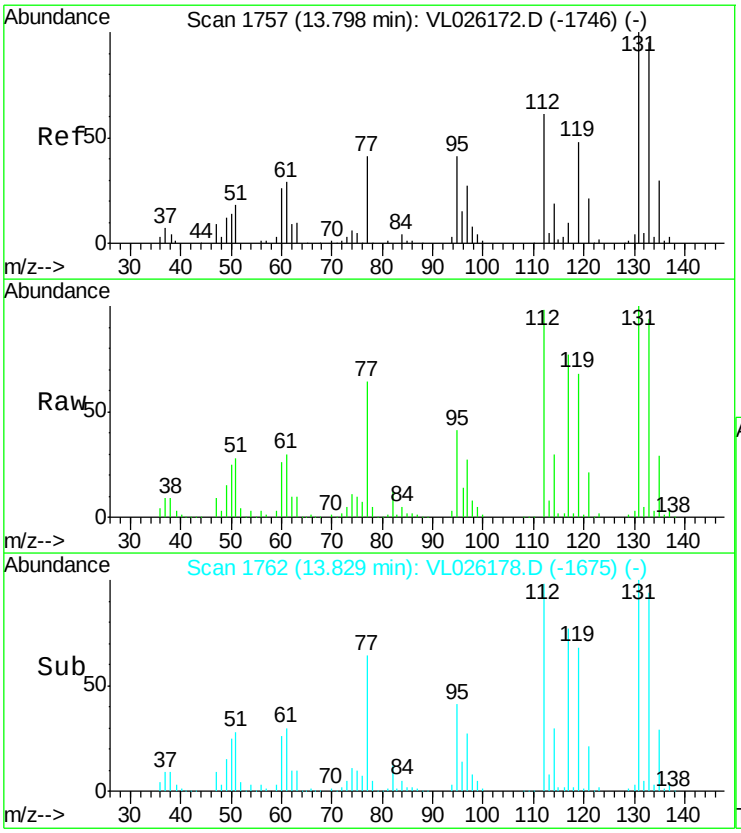
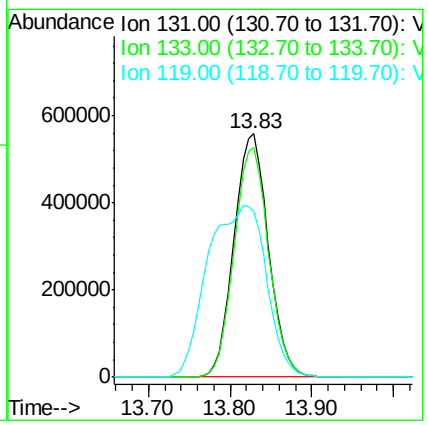
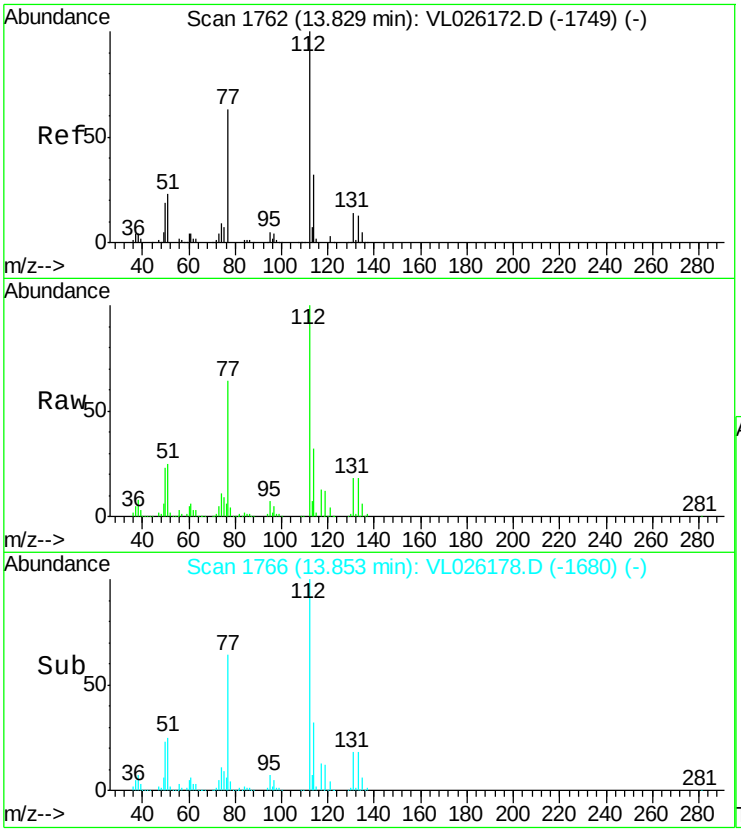


#56
1,1,1,2-Tetrachloroethane
Concen: 12.78 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:131 Resp: 1632854

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.5	114.7
119	120.6	116.0	174.0

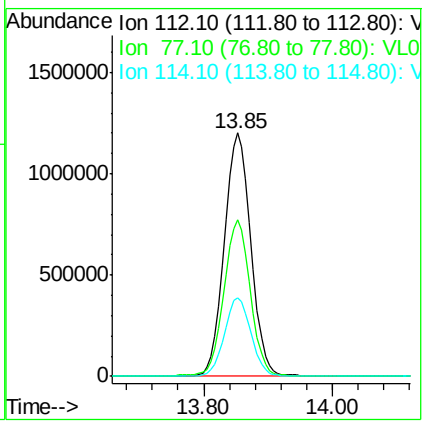




#57
Chlorobenzene
Concen: 11.44 ppbv
RT: 13.85 min Scan# 1766
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:112 Resp: 3483097

Ion	Ratio	Lower	Upper
112	100		
77	64.3	51.0	76.4
114	32.4	29.0	35.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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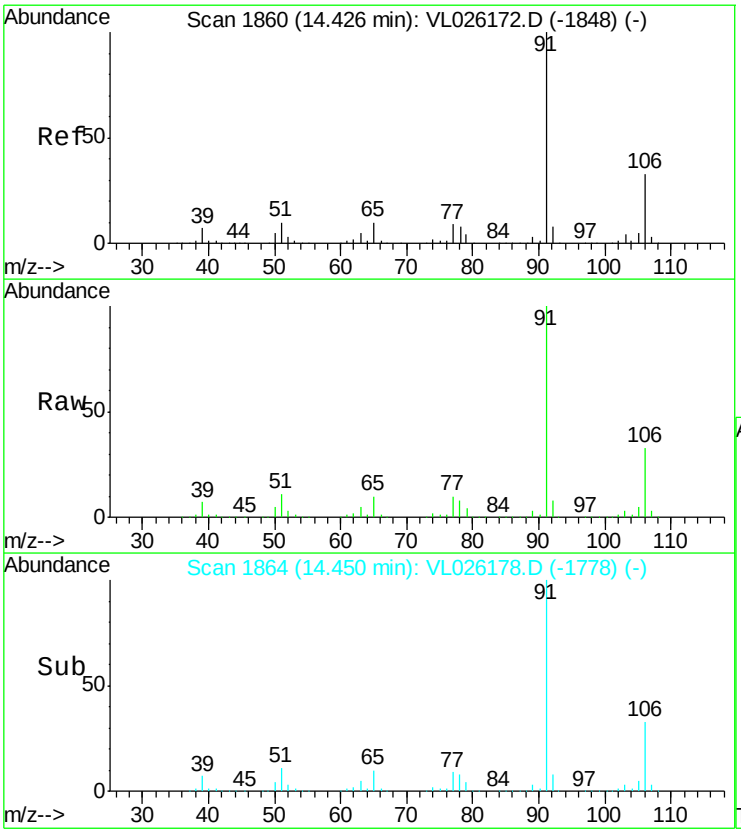
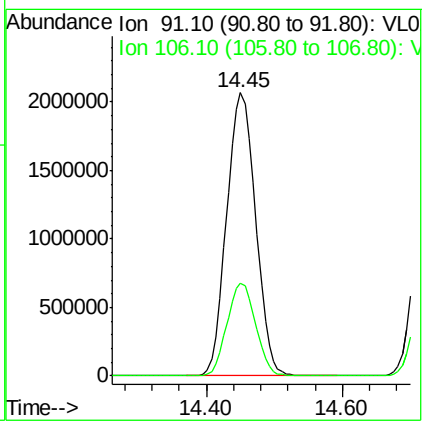
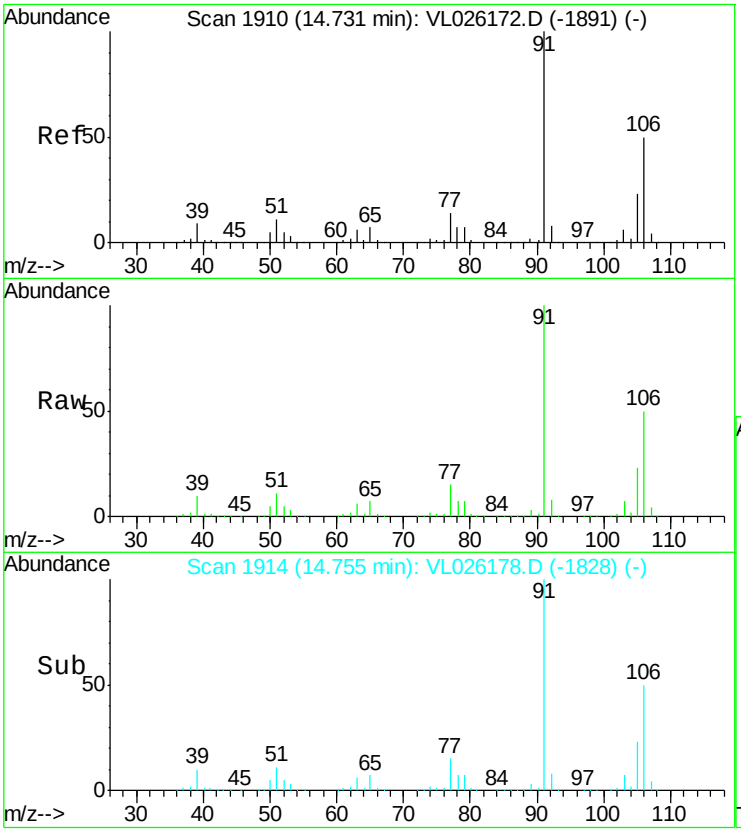


#58
Ethyl Benzene
Concen: 11.96 ppbv
RT: 14.45 min Scan# 1864
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 6118428

Ion	Ratio	Lower	Upper
91	100		
106	32.8	26.1	39.1

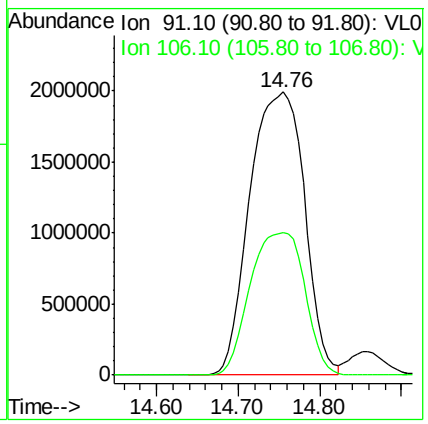




#59
m/p-Xylene
Concen: 23.12 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 9297636

Ion	Ratio	Lower	Upper
91	100		
106	50.6	40.2	60.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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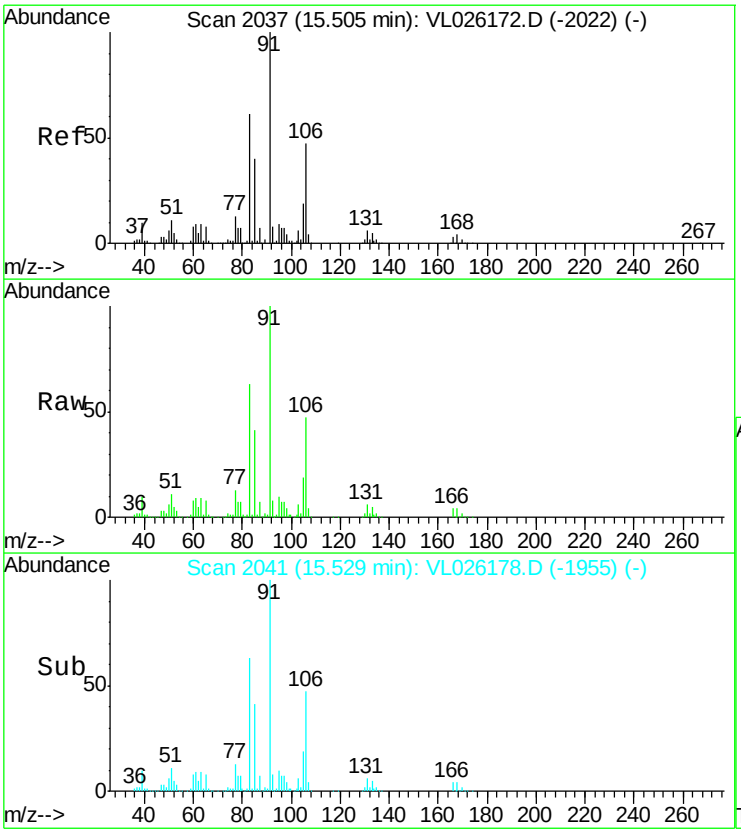
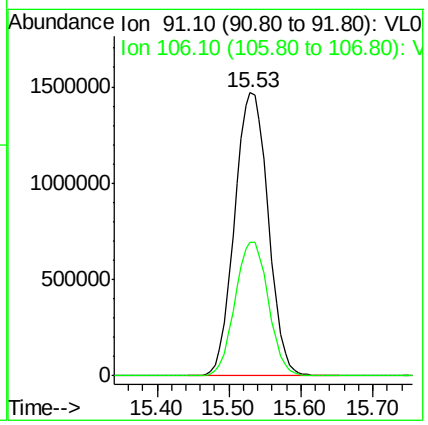
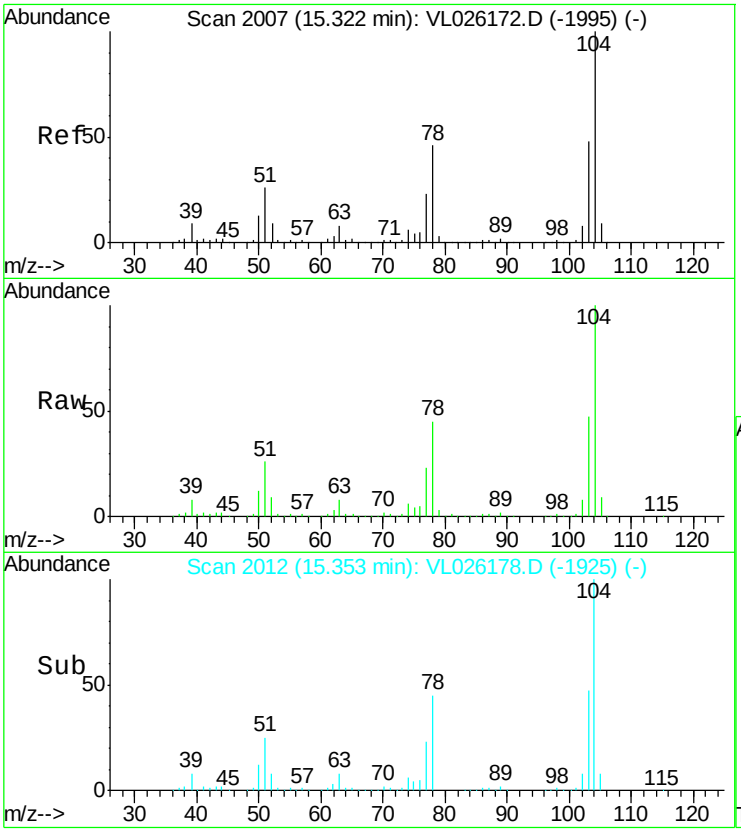


#60
o-Xylene
Concen: 11.39 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 4755170

Ion	Ratio	Lower	Upper
91	100		
106	47.0	23.4	70.3

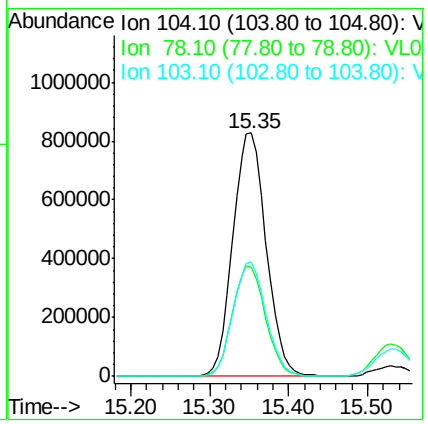




#61
Stvrene
Concen: 13.60 ppbv
RT: 15.35 min Scan# 2012
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:104 Resp: 2436963

Ion	Ratio	Lower	Upper
104	100		
78	45.0	36.1	54.1
103	46.7	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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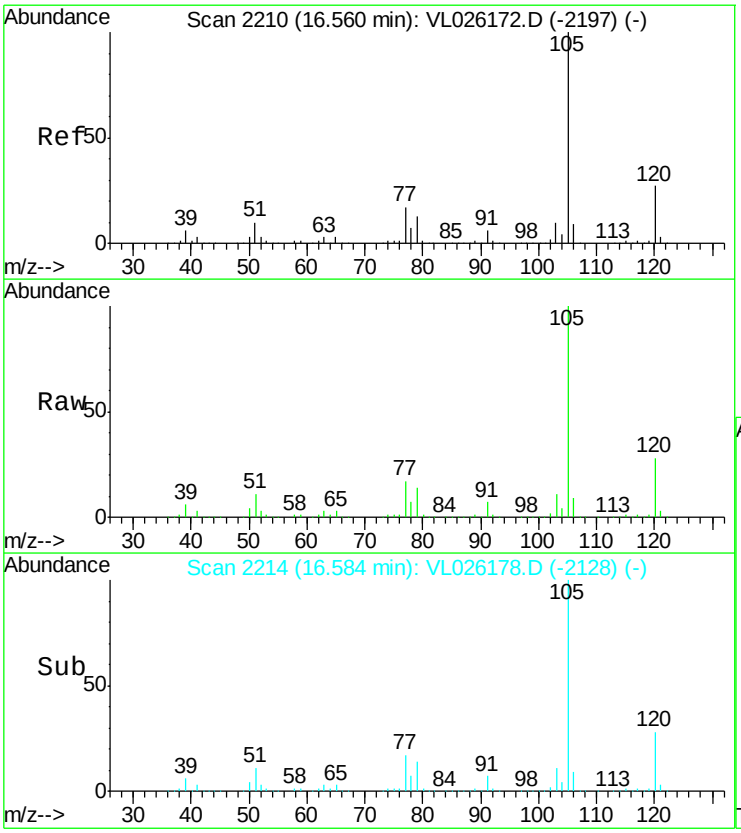
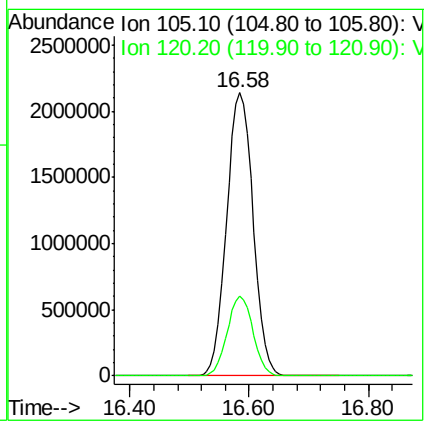
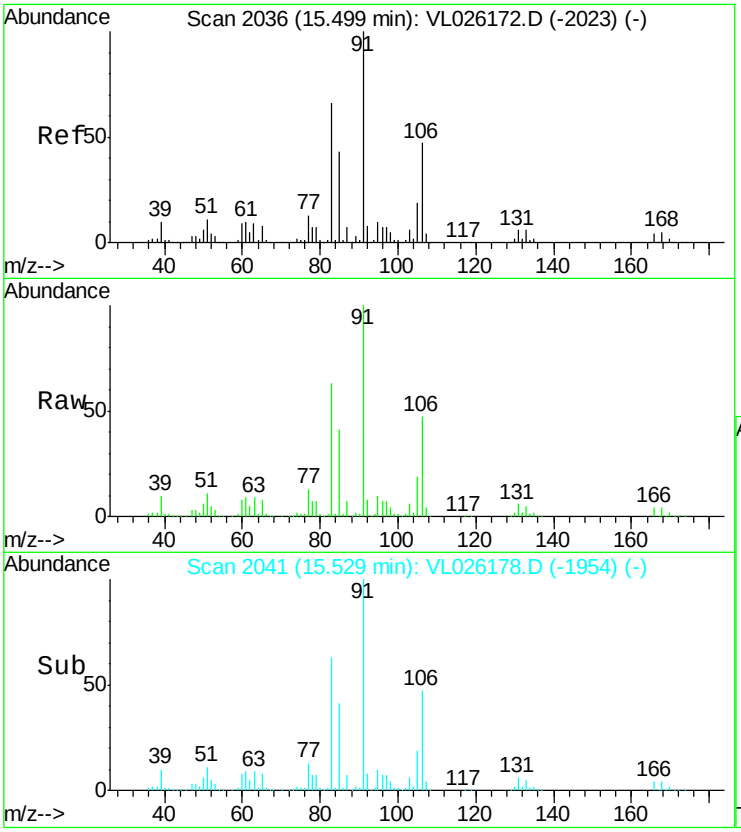


#62
Isopropylbenzene
Concen: 12.05 ppbv
RT: 16.58 min Scan# 2214
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:105 Resp: 6606200

Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.8	32.6

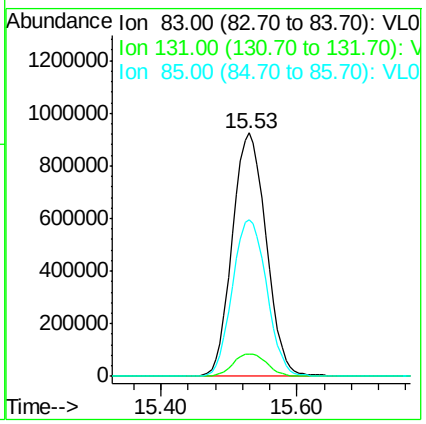




#63
1,1,2,2-Tetrachloroethane
Concen: 10.01 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 83 Resp: 3201591

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.7
85	65.3	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
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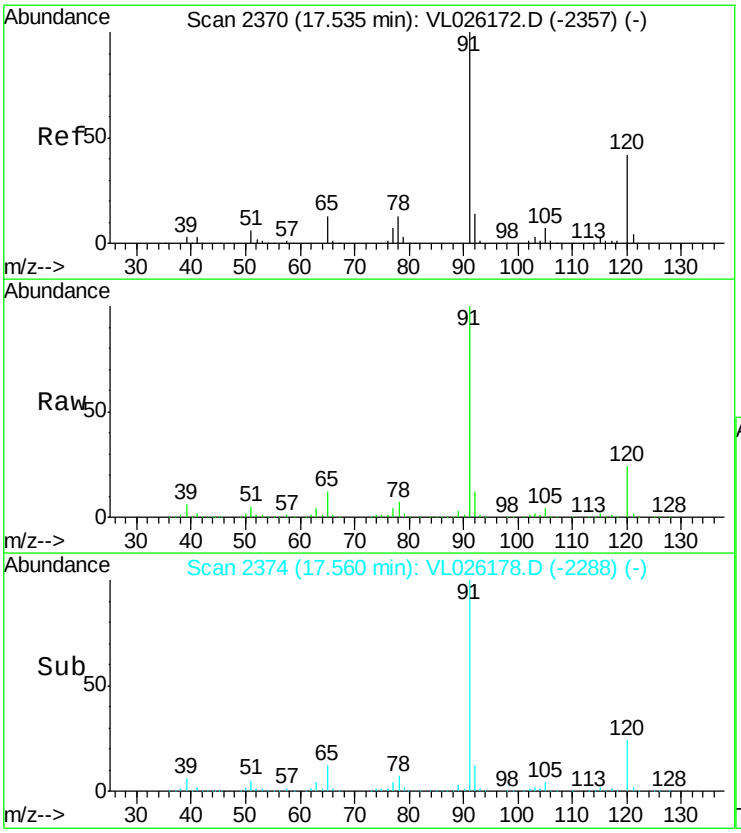
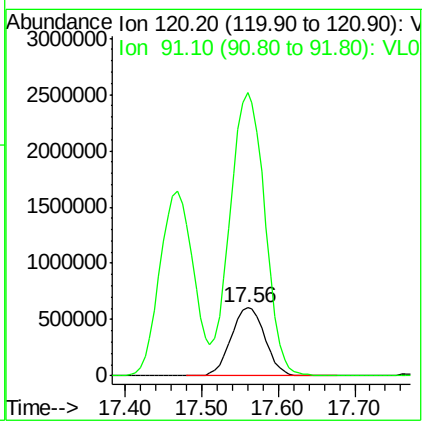
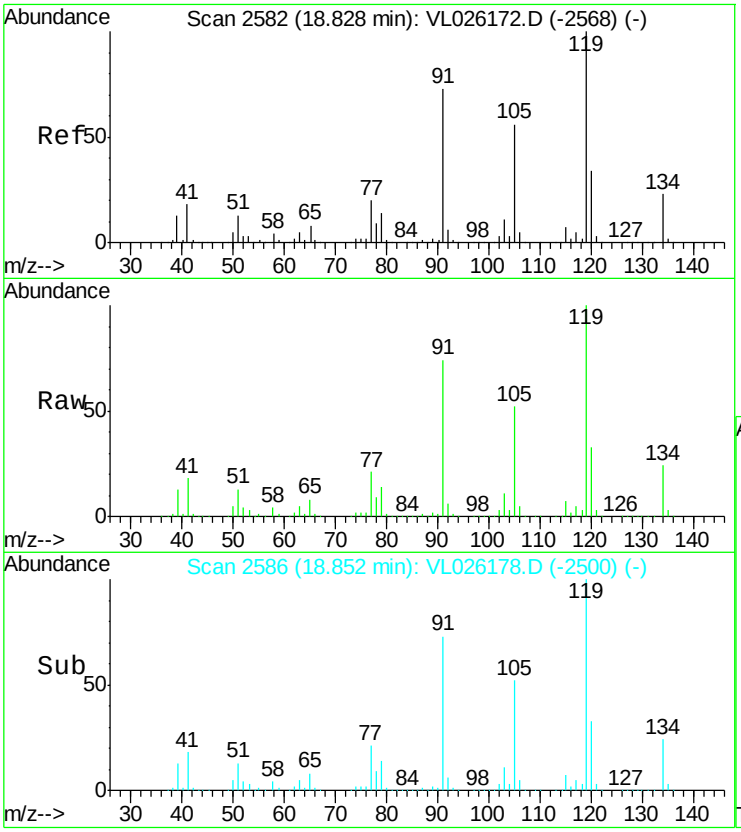


#64
n-propylbenzene
Concen: 12.66 ppbv
RT: 17.56 min Scan# 2374
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:120 Resp: 1854526

Ion	Ratio	Lower	Upper
120	100		
91	433.8	353.4	530.2

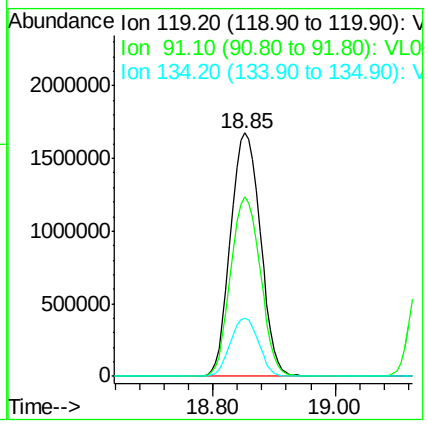




#65
tert-Butylbenzene
Concen: 11.76 ppbv
RT: 18.85 min Scan# 2586
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:119 Resp: 5654162

Ion	Ratio	Lower	Upper
119	100		
91	73.5	58.5	87.7
134	22.6	18.0	27.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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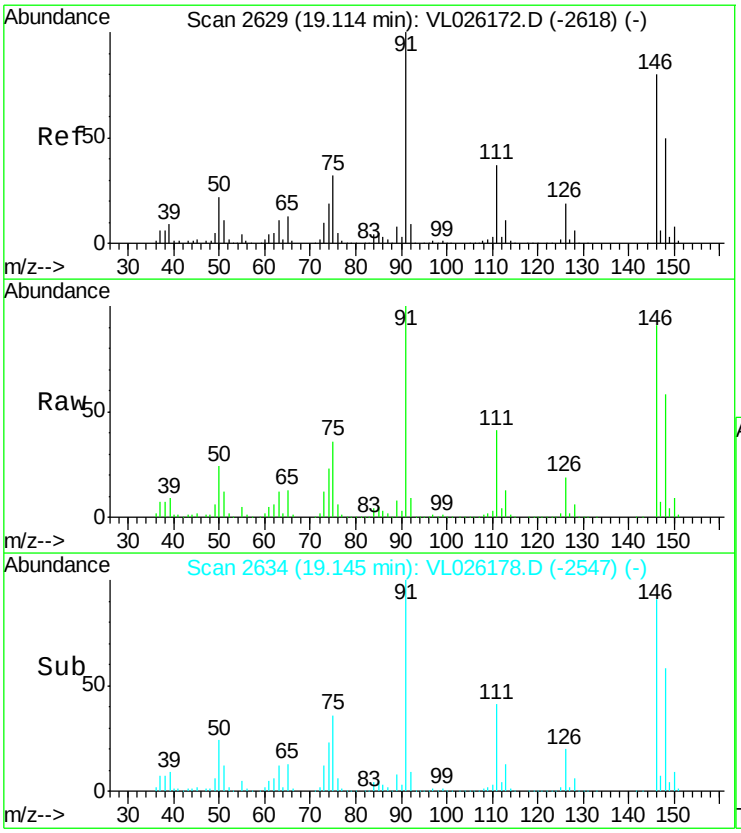
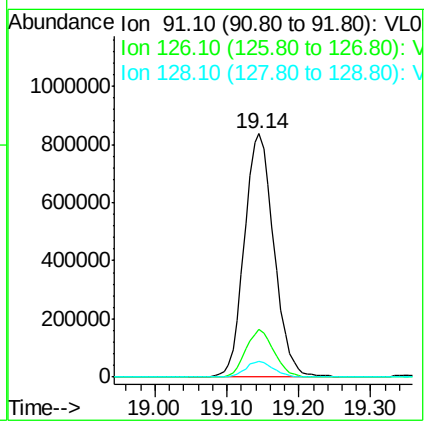
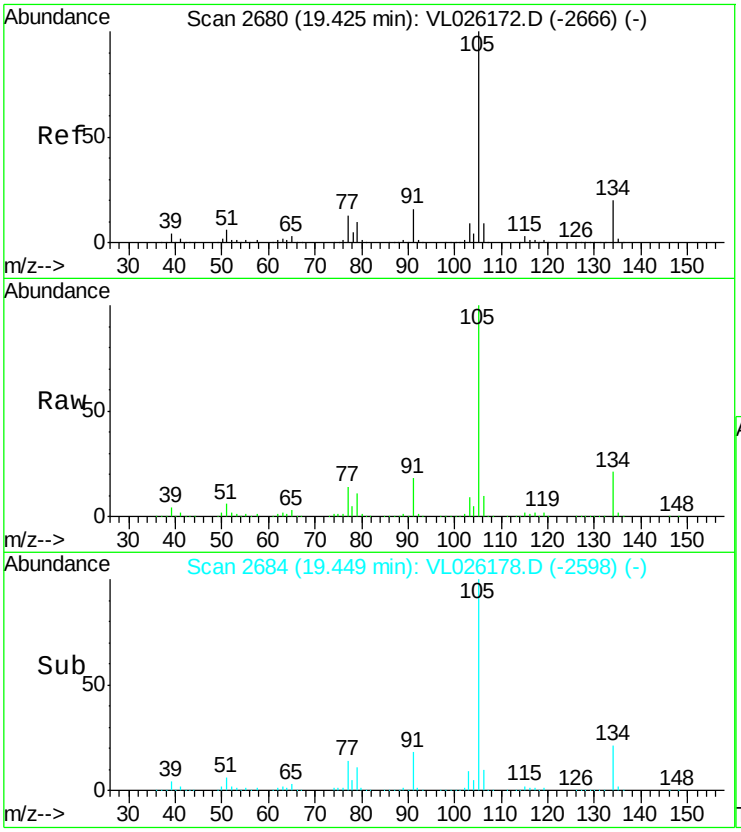


#66
Benzyl Chloride
Concen: 18.16 ppbv
RT: 19.14 min Scan# 2634
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 2374886

Ion	Ratio	Lower	Upper
91	100		
126	18.8	15.2	22.8
128	6.2	4.8	7.2

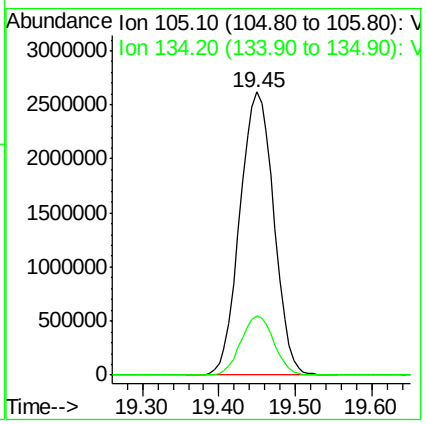




#67
sec-Butylbenzene
Concen: 11.92 ppbv
RT: 19.45 min Scan# 2684
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:105 Resp: 8095361

Ion	Ratio	Lower	Upper
105	100		
134	20.4	15.9	23.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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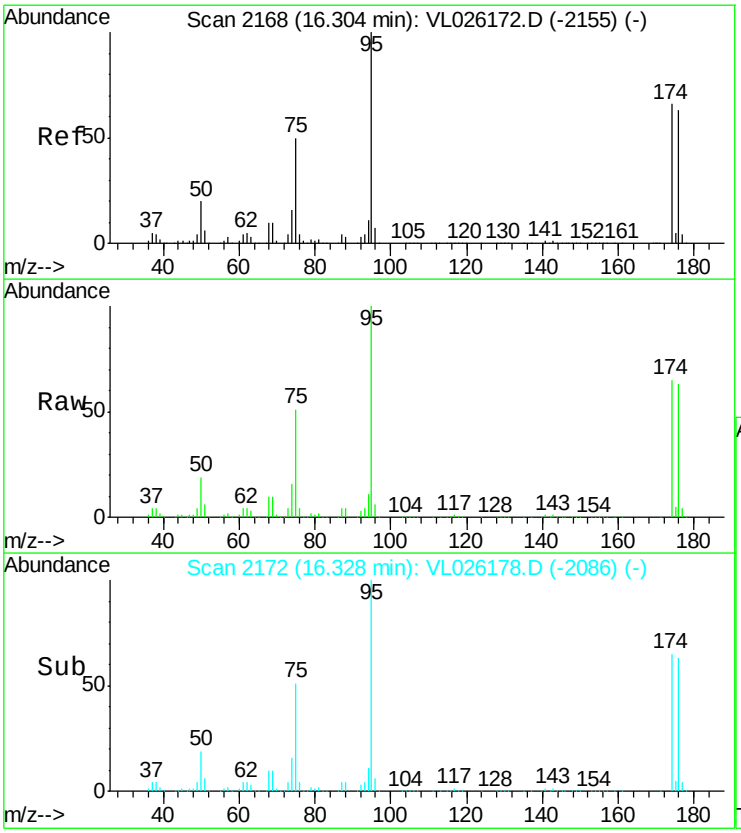
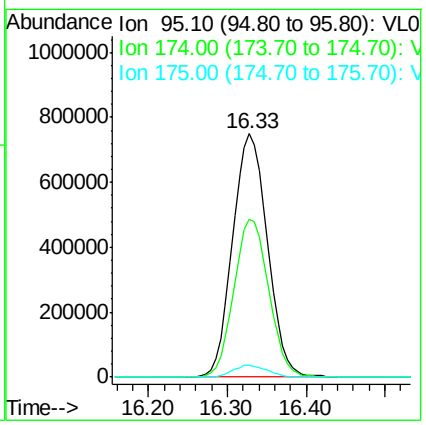
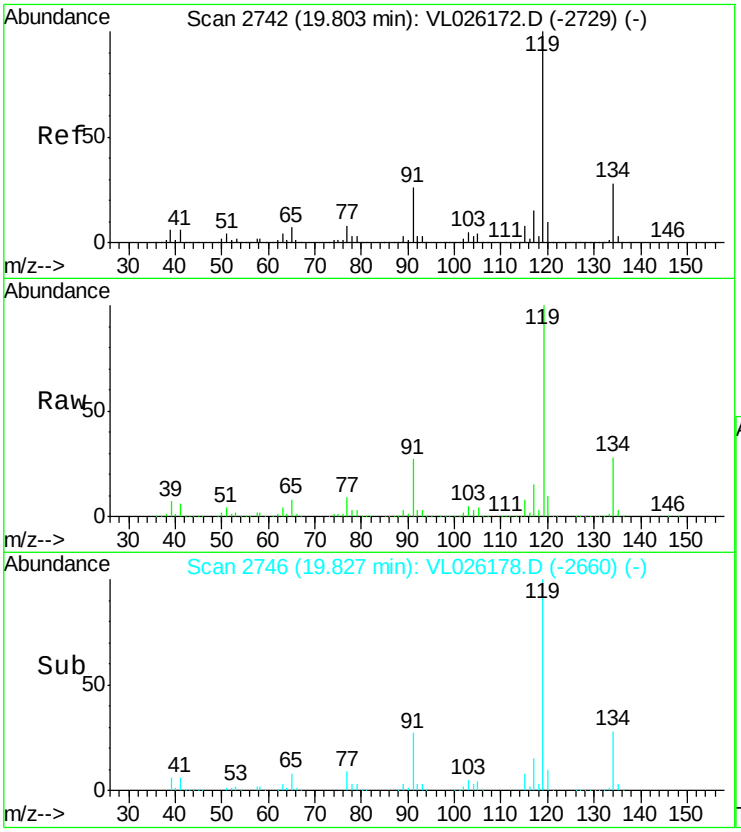


#68
1-Bromo-4-Fluorobenzene
Concen: 10.13 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 95 Resp: 2303520

Ion	Ratio	Lower	Upper
95	100		
174	65.2	52.2	78.4
175	4.8	3.9	5.9

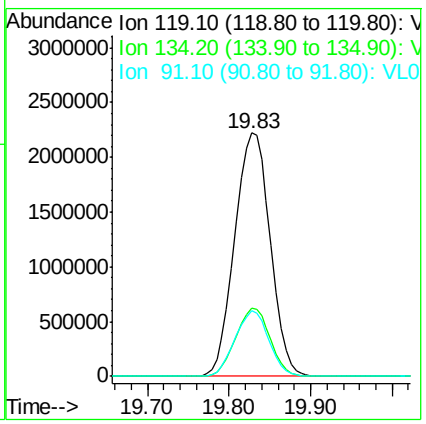




#69
p-Isopropyltoluene
Concen: 12.25 ppbv
RT: 19.83 min Scan# 2746
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:119 Resp: 6725901

Ion	Ratio	Lower	Upper
119	100		
134	27.3	21.4	32.0
91	25.5	19.9	29.9



Instrument :
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ClientSampleId :
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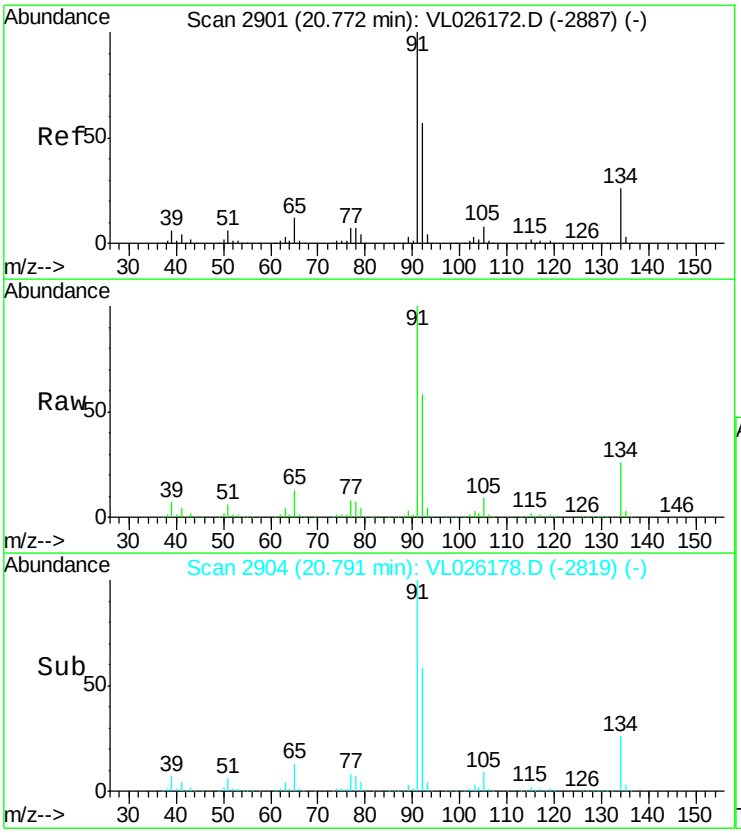
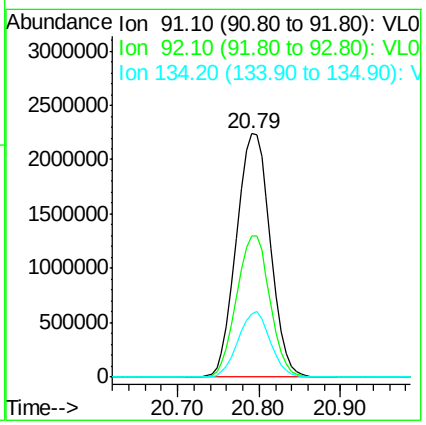
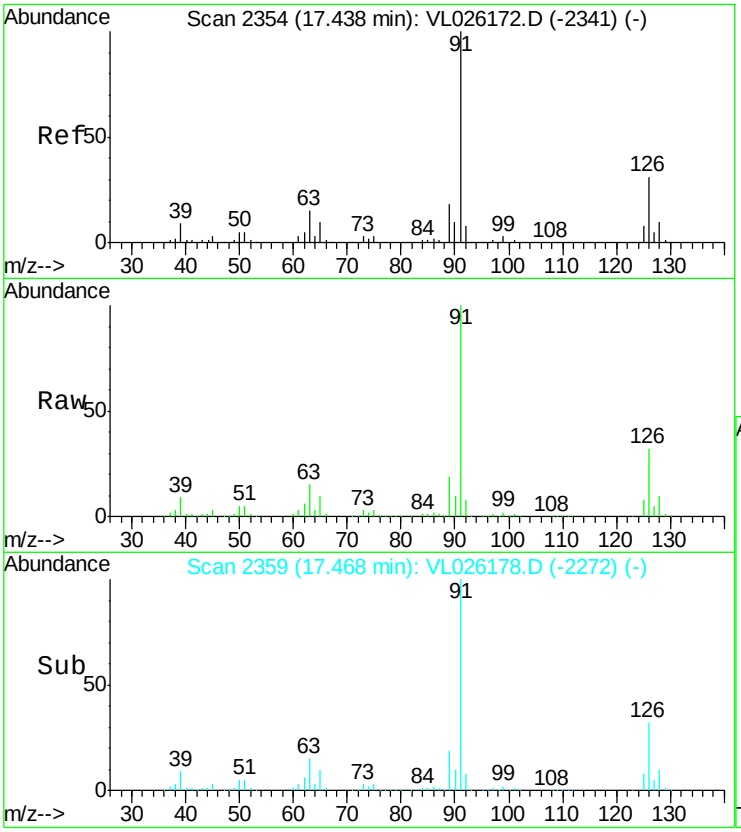


#70
n-Butylbenzene
Concen: 11.78 ppbv
RT: 20.79 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 6463576

Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.0	67.6
134	25.5	19.8	29.8

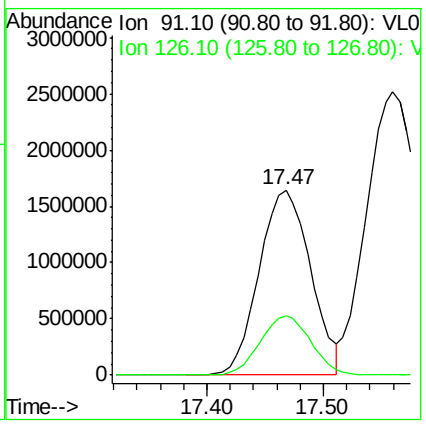




#71
2-Chlorotoluene
Concen: 12.13 ppbv
RT: 17.47 min Scan# 2359
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion: 91 Resp: 5057624

Ion	Ratio	Lower	Upper
91	100		
126	31.6	12.8	51.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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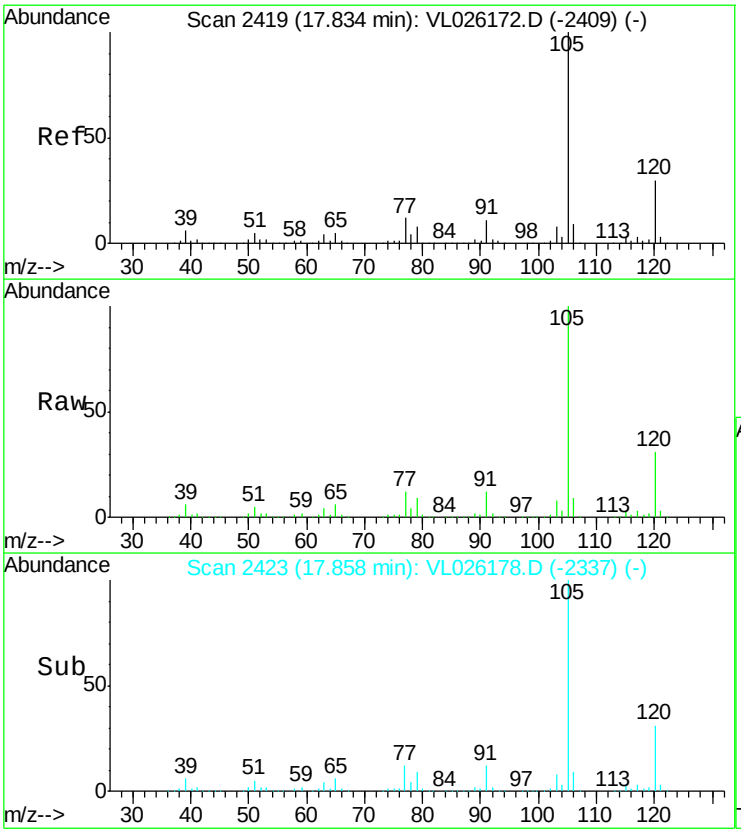
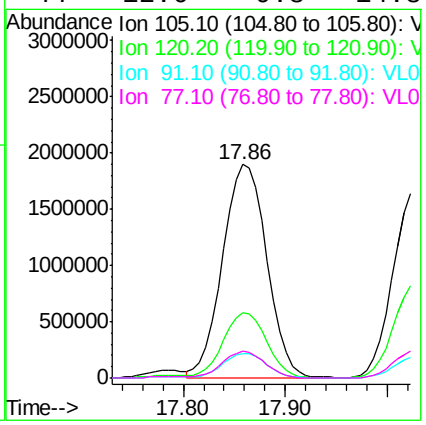
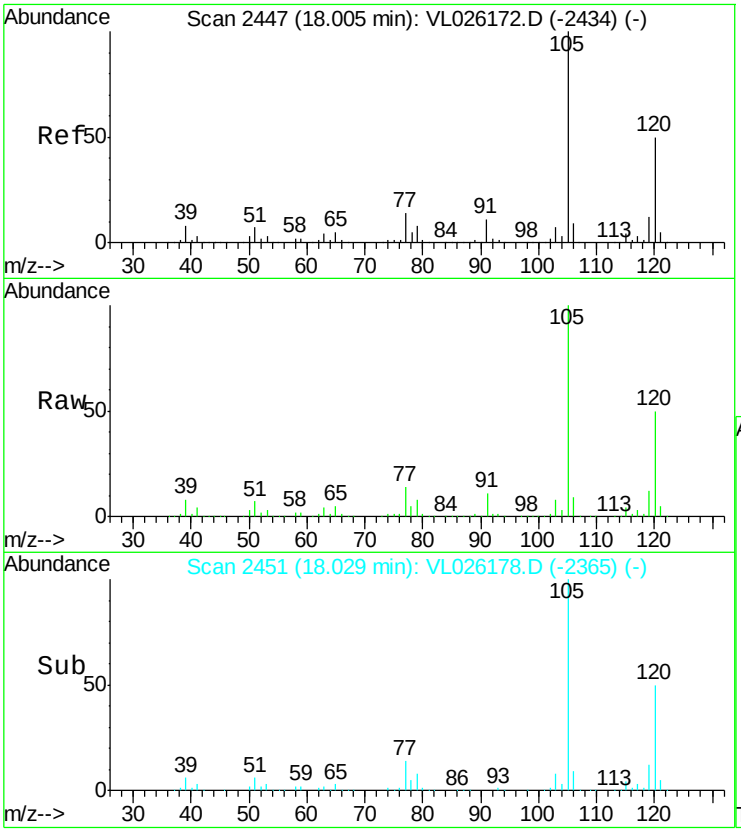


#72
4-Ethyltoluene
Concen: 12.53 ppbv
RT: 17.86 min Scan# 2423
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:105 Resp: 5716490

Ion	Ratio	Lower	Upper
105	100		
120	31.3	24.7	37.1
91	11.8	9.2	13.8
77	12.6	9.8	14.8

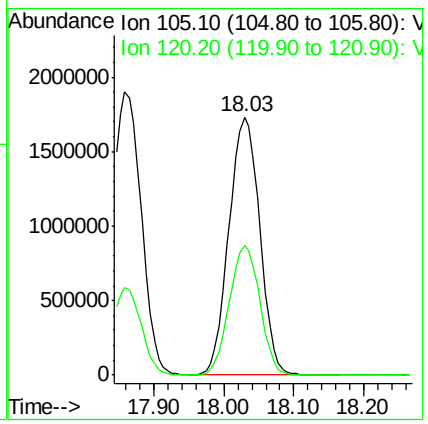




#73
1,3,5-Trimethylbenzene
Concen: 12.50 ppbv
RT: 18.03 min Scan# 2451
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:105 Resp: 5293320

Ion	Ratio	Lower	Upper
105	100		
120	50.2	40.1	60.1



Instrument :
MSVOA_L
ClientSampleId :
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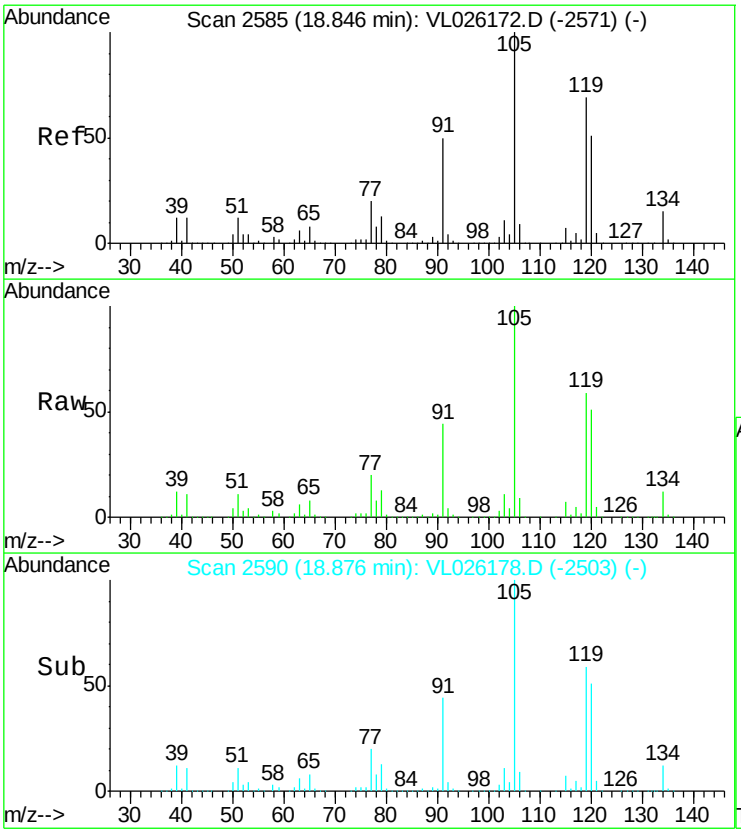
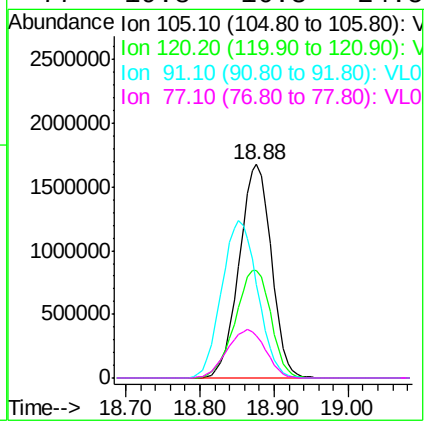
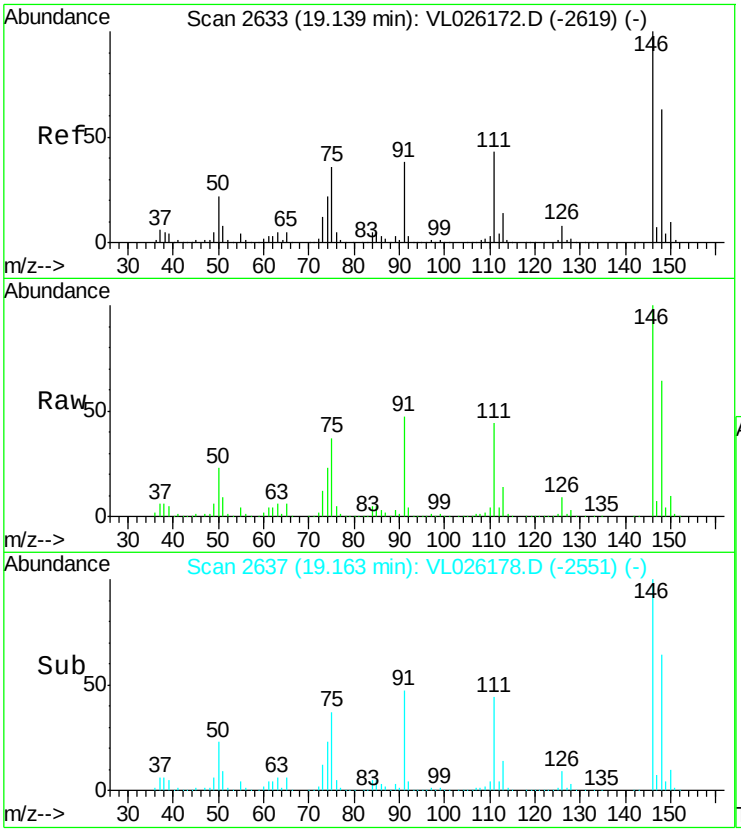


#74
1,2,4-Trimethylbenzene
Concen: 11.45 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:105 Resp: 5081281

Ion	Ratio	Lower	Upper
105	100		
120	50.5	41.1	61.7
91	43.8	39.8	59.6
77	19.8	16.3	24.5

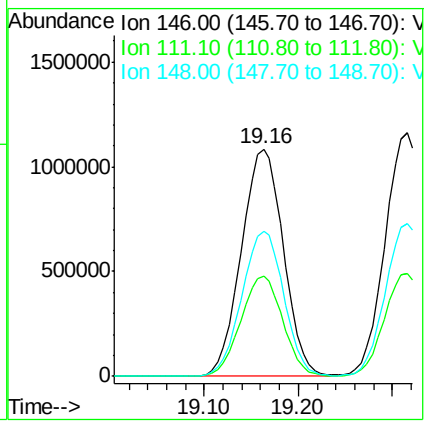




#75
1,3-Dichlorobenzene
Concen: 12.34 ppbv
RT: 19.16 min Scan# 2637
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:146 Resp: 3401064

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	63.5	31.9	95.5



Instrument :
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ClientSampleId :
VSTDICC015

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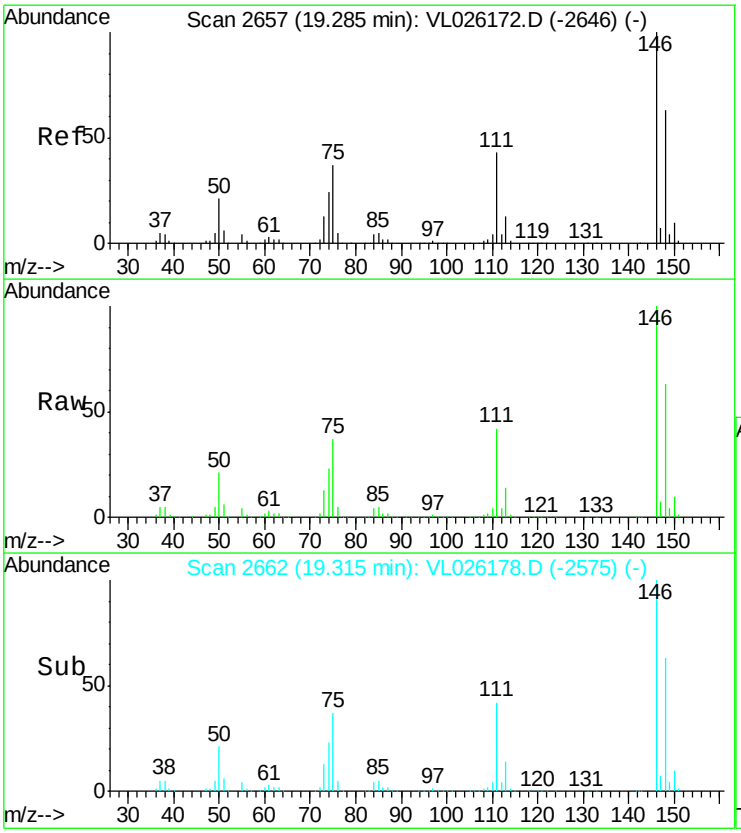
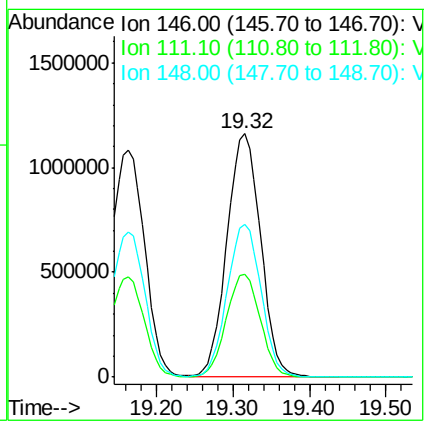
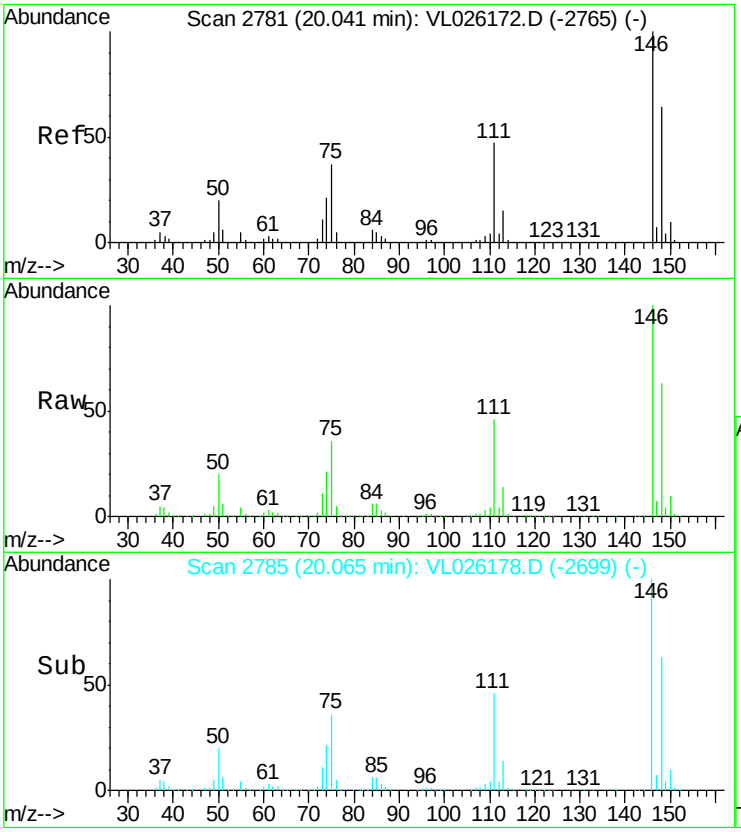


#76
1,4-Dichlorobenzene
Concen: 12.50 ppbv
RT: 19.32 min Scan# 2662
Delta R.T. 0.03 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:146 Resp: 3546372

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	63.4	31.6	94.8

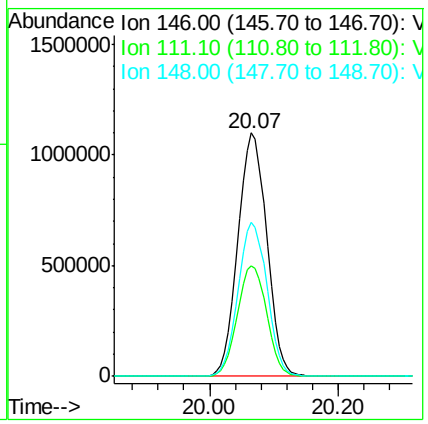




#77
1,2-Dichlorobenzene
Concen: 12.40 ppbv
RT: 20.07 min Scan# 2785
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:146 Resp: 3412050

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.0	69.0
148	63.6	31.8	95.3



Instrument :
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ClientSampleId :
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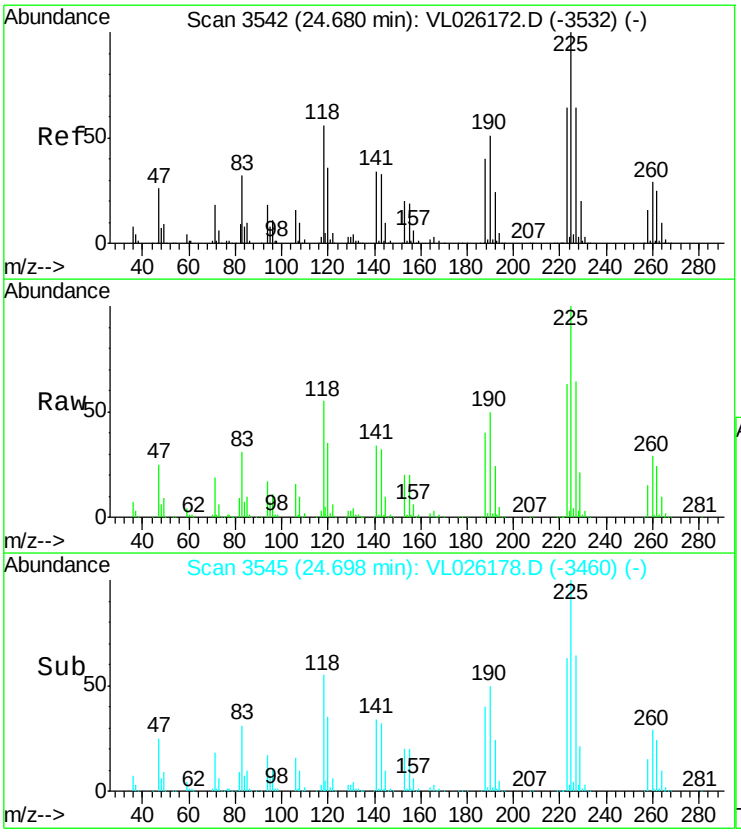
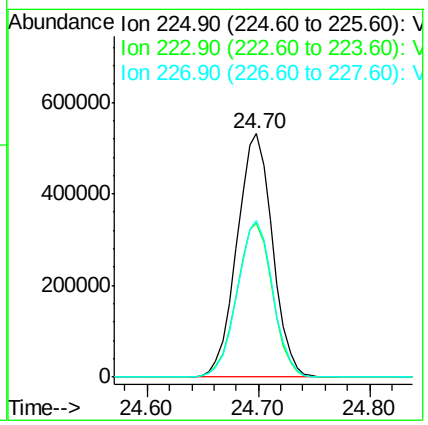
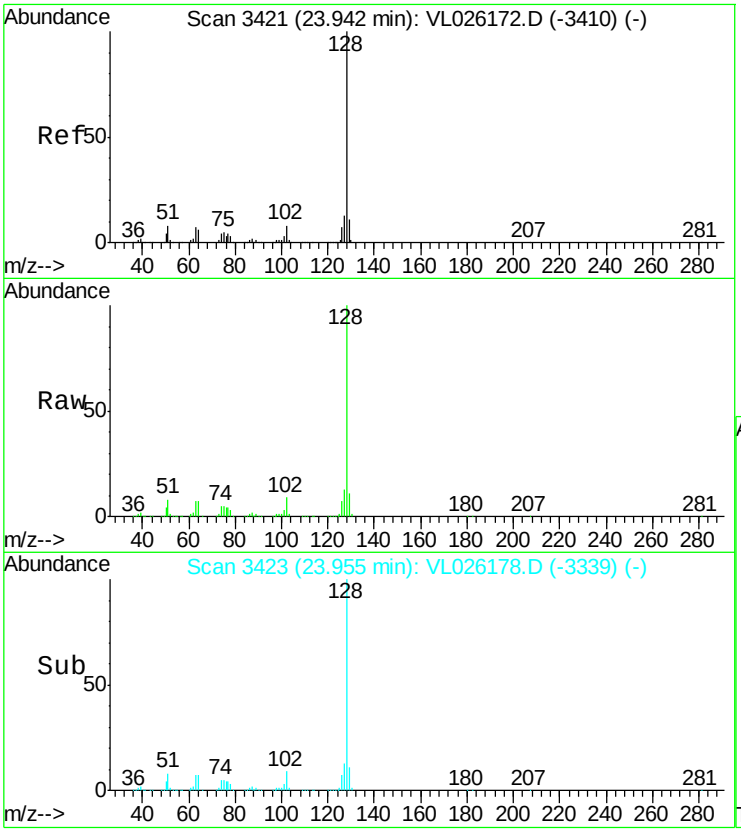


#78
Hexachloro-1,3-Butadiene
Concen: 10.70 ppbv
RT: 24.70 min Scan# 3545
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:225 Resp: 1178776

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.1	76.7
227	64.0	50.8	76.2

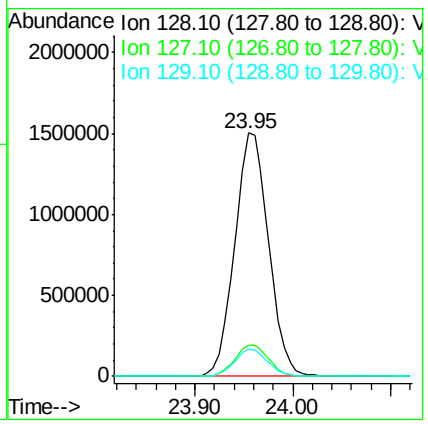




#79
Naphthalene
Concen: 10.45 ppbv
RT: 23.95 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:128 Resp: 3602287

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.3	8.7	13.1



Instrument :
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ClientSampleId :
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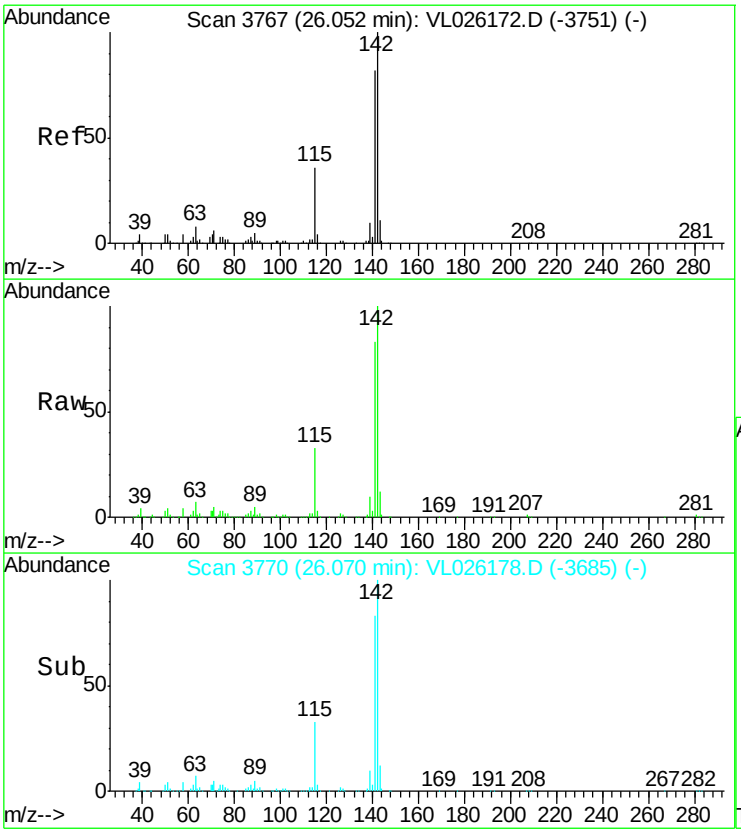
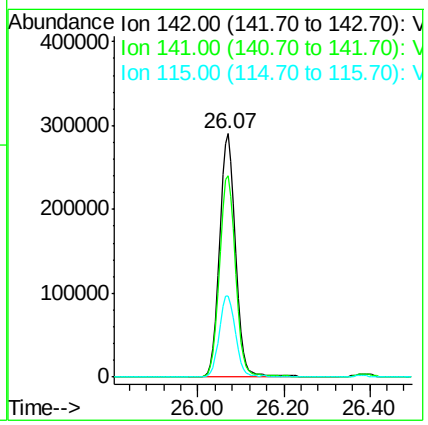
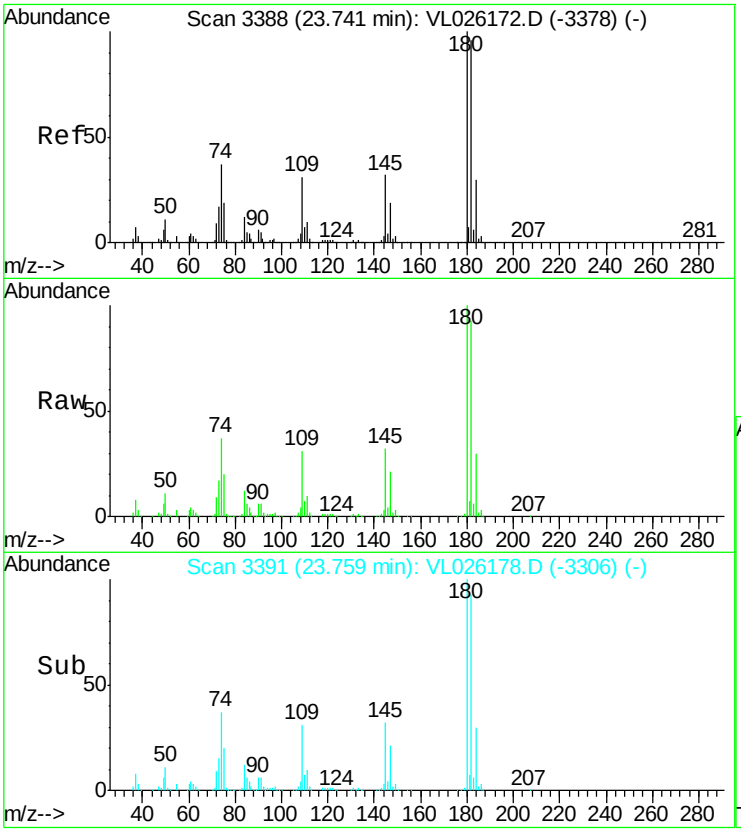


#80
Naphthalene,2-methyl-
Concen: 9.53 ppbv
RT: 26.07 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:142 Resp: 770191

Ion	Ratio	Lower	Upper
142	100		
141	83.9	66.6	99.8
115	34.3	28.4	42.6

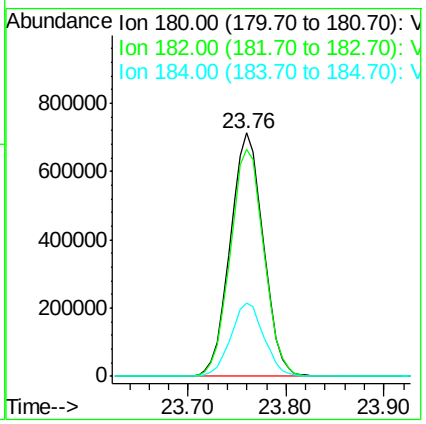




#81
1,2,4-Trichlorobenzene
Concen: 10.10 ppbv
RT: 23.76 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL026178.D
Acq: 9 Oct 2015 14:54

Tgt Ion:180 Resp: 1676394

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
184	30.2	24.0	36.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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