Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031213.D
Acq On : 13 Dec 2017 23:07
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
12/15/2017 4:06:54 PM

Quant Time: Dec 14 03:57:35 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 1
QLast Update : Thu Dec 14 03:40:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1573679	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3753144	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3805142	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2681505	9.12	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	252324	1.57	ppbv		99
3) Chlorodifluoromethane	3.11	51	386416	1.79	ppbv		100
4) Chloromethane	3.27	50	208303	2.58	ppbv		98
5) Vinyl Chloride	3.40	62	202933	2.30	ppbv		95
6) Bromomethane	3.63	94	126647	2.37	ppbv		95
7) Chloroethane	3.71	64	81222	2.59	ppbv		95
8) Dichlorotetrafluoroethane	3.32	85	374433	2.00	ppbv		98
9) Propene	3.13	41	190094	2.13	ppbv		99
10) Heptane	8.41	43	559690	2.11	ppbv		99
11) Trichlorofluoromethane	4.13	101	478847	2.54	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	308262	2.75	ppbv		99
13) Ethanol	3.77	45	56044	3.28	ppbv		97
14) Bromoethene	3.91	108	145184	2.52	ppbv		98
15) Acetone	4.03	43	447352	2.83	ppbv		99
16) 1,3-Butadiene	3.47	39	199286	2.68	ppbv		97
17) tert-Butyl alcohol	4.49	59	256036	3.34	ppbv		98
18) 1,1-Dichloroethene	4.48	96	148250	2.72	ppbv		92
19) Isopropyl Alcohol	4.15	45	287463	3.12	ppbv		92
20) Methylene Chloride	4.54	84	152631	2.78	ppbv		99
21) Allyl Chloride	4.61	41	262857	3.34	ppbv		98
22) trans-1,2-Dichloroethene	5.10	96	167267	2.45	ppbv		98
23) Vinyl Acetate	5.29	43	628072	2.23	ppbv		99
24) 1,1-Dichloroethane	5.23	63	488022	2.01	ppbv		100
25) Ethyl Acetate	5.92	43	883911	2.25	ppbv		99
26) Hexane	5.93	57	413595	2.17	ppbv		99
27) Carbon Disulfide	4.76	76	408799	3.05	ppbv	#	91
28) Methyl tert-Butyl Ether	5.26	73	536507	2.54	ppbv		99
29) Chloroform	5.99	83	563969	2.06	ppbv		99
30) Cyclohexane	7.40	84	333256	2.18	ppbv		88
31) cis-1,2-Dichloroethene	5.78	61	363594	1.99	ppbv		99
32) 1,1,1-Trichloroethane	6.77	97	565467	2.48	ppbv		100
34) 2-Butanone	5.47	43	583902	1.90	ppbv		100
35) Carbon Tetrachloride	7.29	117	555995	2.11	ppbv		98
36) Benzene	7.16	78	829043	1.93	ppbv		98
37) 1,2-Dichloroethane	6.56	62	450528	1.79	ppbv		99
38) Trichloroethene	8.12	130	325974	1.99	ppbv		93
39) 1,2-Dichloropropane	7.90	63	300765	1.83	ppbv		99
40) 1,4-Dioxane	8.13	88	105404	1.61	ppbv	#	87
41) Tetrahydrofuran	6.31	42	332580	2.06	ppbv		100
42) Bromodichloromethane	8.08	83	580175	1.93	ppbv		99
43) Methyl Methacrylate	8.30	69	300255	2.00	ppbv		99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031213.D
Acq On : 13 Dec 2017 23:07
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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12/15/2017 4:06:54 PM

Quant Time: Dec 14 03:57:35 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 1
QLast Update : Thu Dec 14 03:40:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	1381756	1.92	ppbv		99
45) t-1,3-Dichloropropene	9.58	75	401680	2.16	ppbv		98
46) cis-1,3-Dichloropropene	9.00	75	523767	2.12	ppbv		95
47) 1,1,2-Trichloroethane	9.78	97	322837	1.85	ppbv		97
48) Dibromochloromethane	10.62	129	513999	2.19	ppbv		99
49) Bromoform	13.37	173	392165	2.21	ppbv		100
50) 4-Methyl-2-Pentanone	9.04	43	738643	1.90	ppbv		99
51) 2-Hexanone	10.44	43	690788	1.87	ppbv	#	100
52) Tetrachloroethene	11.54	164	307068	2.01	ppbv		97
53) Toluene	10.12	91	973314	2.00	ppbv		99
54) 1,2-Dibromoethane	10.93	107	490805	1.98	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.45	131	370749	2.38	ppbv	#	1
57) Chlorobenzene	12.47	112	761583	2.05	ppbv		99
58) Ethyl Benzene	13.03	91	1335036	2.05	ppbv		100
59) m/p-Xylene	13.32	91	2146962m	3.91	ppbv		
60) o-Xylene	14.02	91	1093558	2.00	ppbv		100
61) Styrene	13.85	104	305564	2.22	ppbv		99
62) Isopropylbenzene	15.00	105	1426027	2.18	ppbv		100
63) 1,1,2,2-Tetrachloroethane	14.01	83	699025	1.64	ppbv		100
64) n-propylbenzene	15.89	120	380802	2.13	ppbv		96
65) tert-Butylbenzene	17.08	119	1283372	2.23	ppbv		98
66) Benzyl Chloride	17.32	91	143485	2.92	ppbv		93
67) sec-Butylbenzene	17.63	105	1744871	2.01	ppbv		99
69) p-Isopropyltoluene	17.98	119	1475270	2.20	ppbv		99
70) n-Butylbenzene	18.88	91	1425409	1.93	ppbv		99
71) 2-Chlorotoluene	15.79	91	1053590	2.00	ppbv		100
72) 4-Ethyltoluene	16.17	105	1187181	2.15	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	1051493	2.06	ppbv		96
74) 1,2,4-Trimethylbenzene	17.10	105	1117556	1.99	ppbv		98
75) 1,3-Dichlorobenzene	17.34	146	724853	2.04	ppbv		99
76) 1,4-Dichlorobenzene	17.48	146	715903	2.00	ppbv		99
77) 1,2-Dichlorobenzene	18.16	146	698503	1.99	ppbv		99
78) Hexachloro-1,3-Butadiene	23.70	225	165082	2.46	ppbv		99
79) Naphthalene	22.61	128	925328	2.43	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	339042	3.02	ppbv		99
81) 1,2,4-Trichlorobenzene	22.34	180	435481	2.29	ppbv		99

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031213.D
Acq On : 13 Dec 2017 23:07
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 03:57:35 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec
QLast Update : Thu Dec 14 03:40:57 2017
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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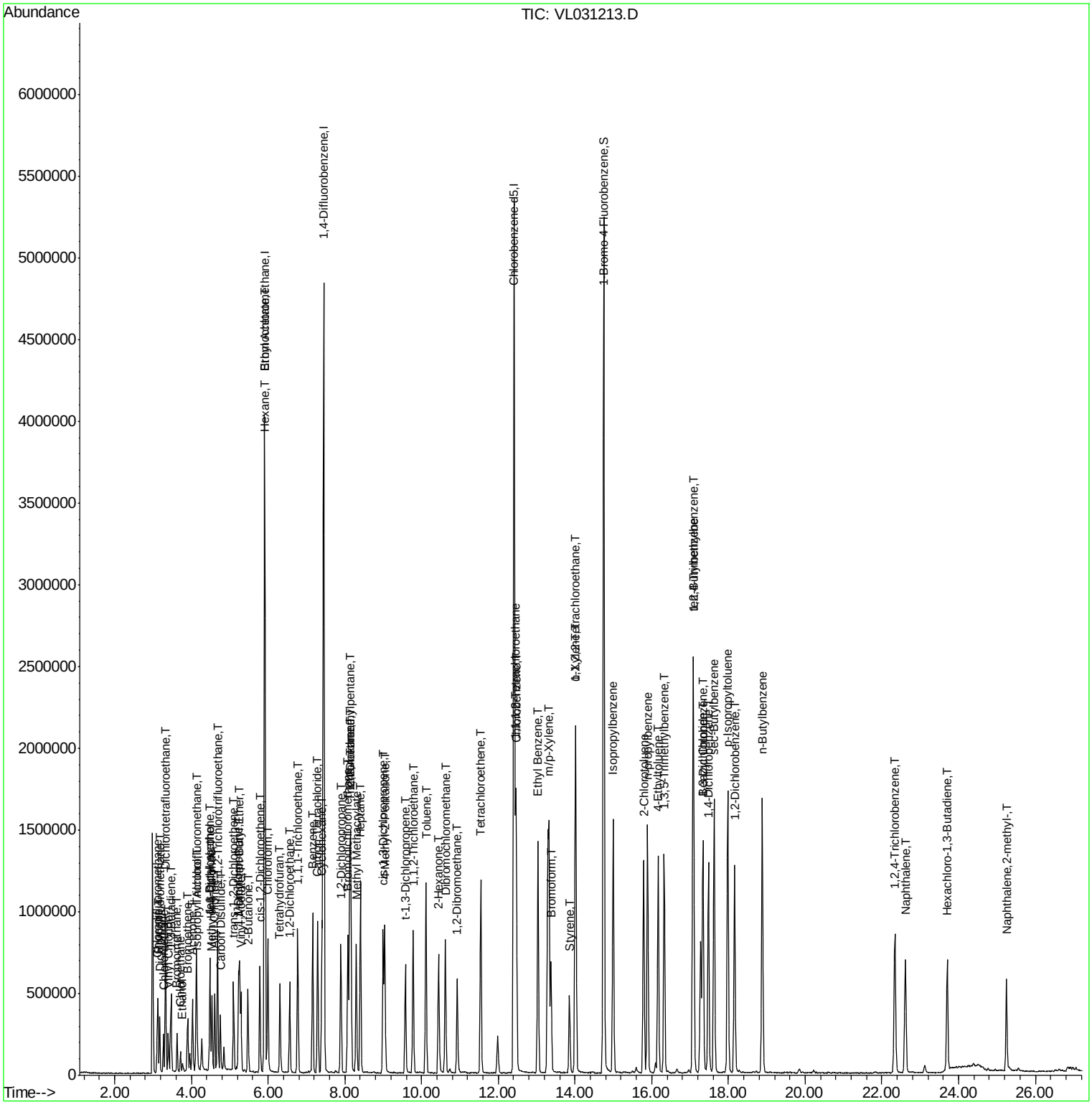
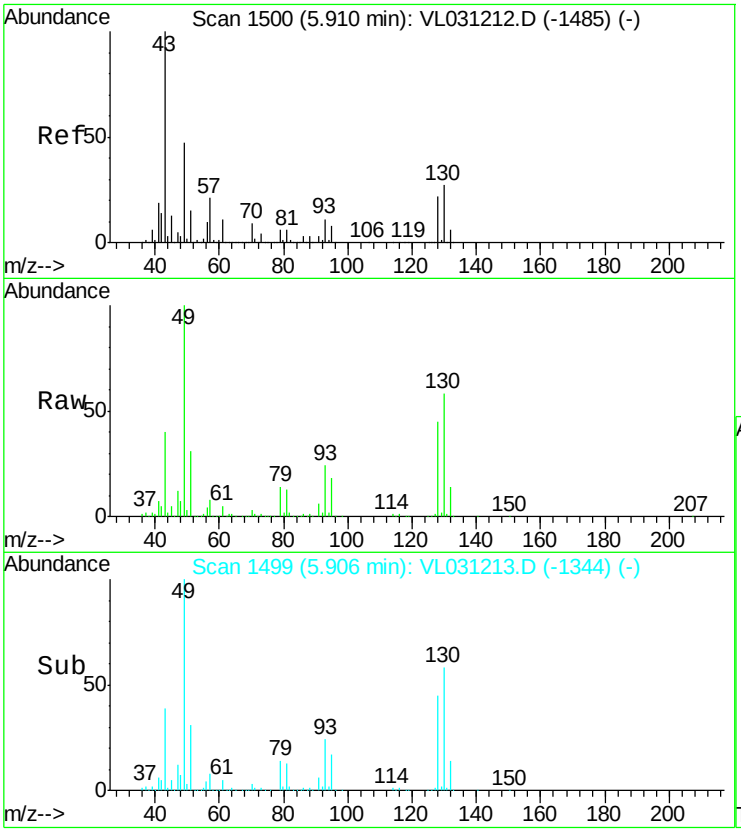
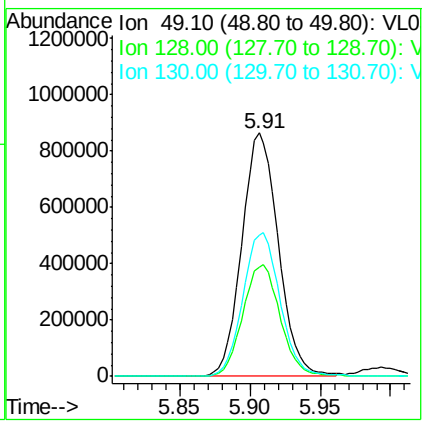




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 49 Resp: 1573679

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.2	69.5
130	60.5	29.6	88.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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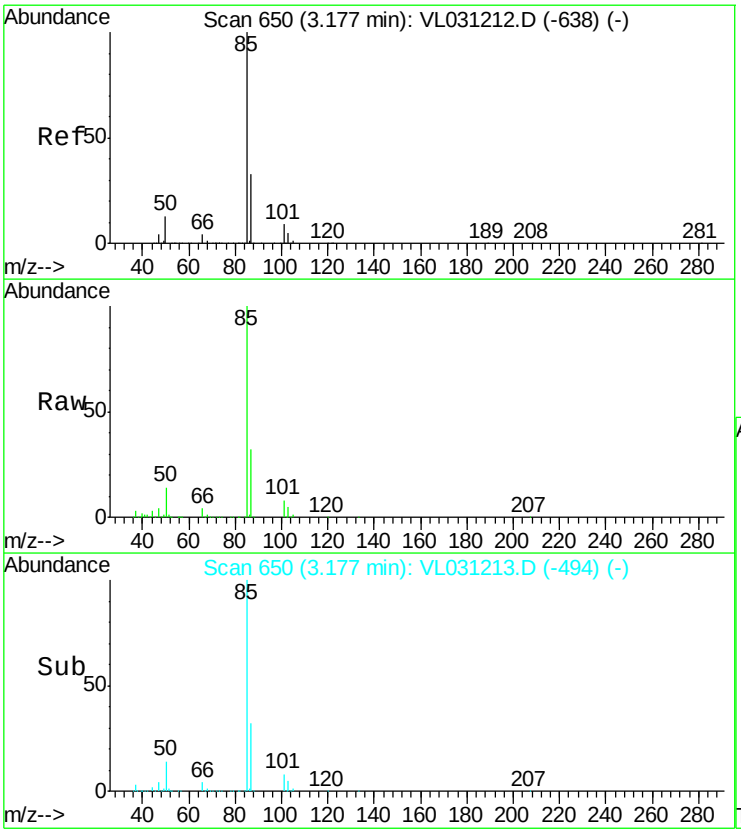
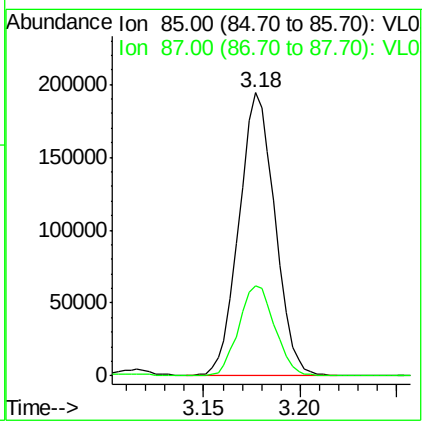
12/15/2017 4:06:54 PM

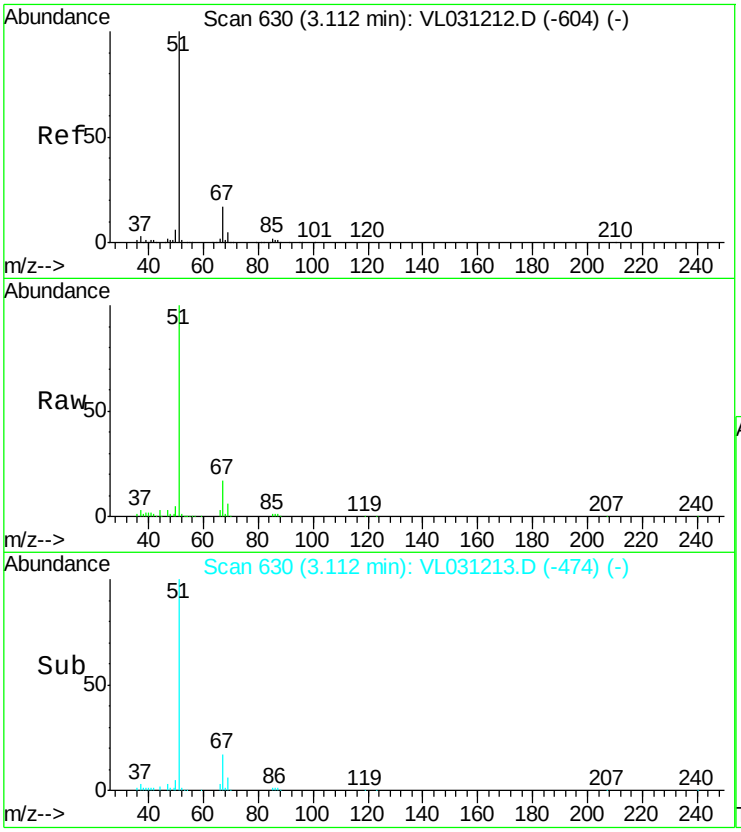


#2
Dichlorodifluoromethane
Concen: 1.57 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 85 Resp: 252324

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.2	39.2

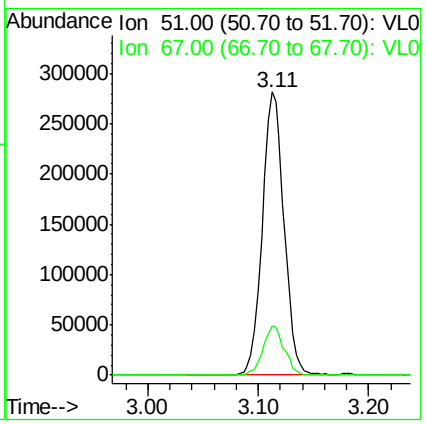




#3
Chlorodifluoromethane
Concen: 1.79 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 51 Resp: 386416

Ion	Ratio	Lower	Upper
51	100		
67	17.3	13.8	20.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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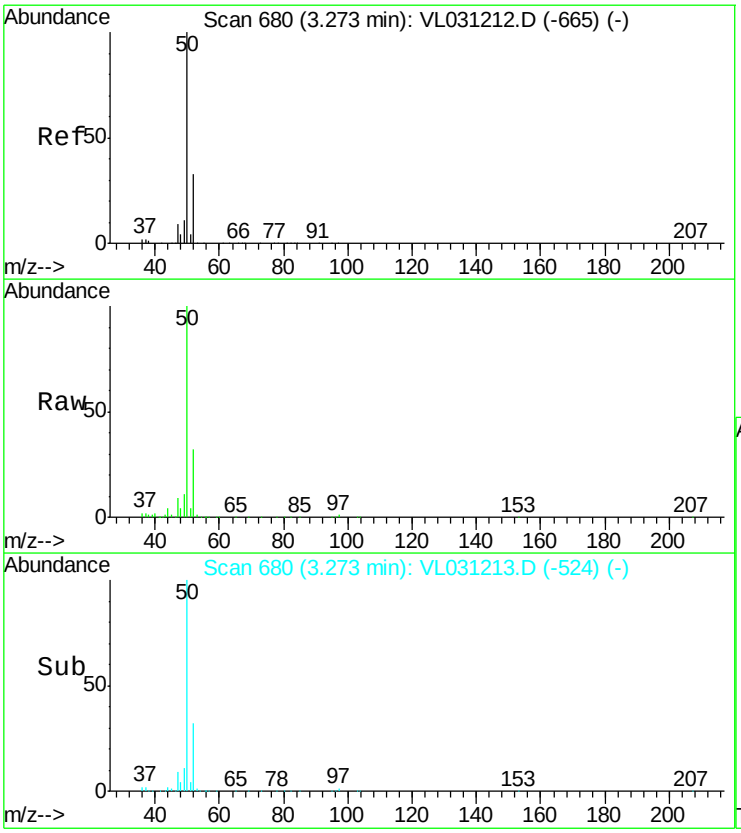
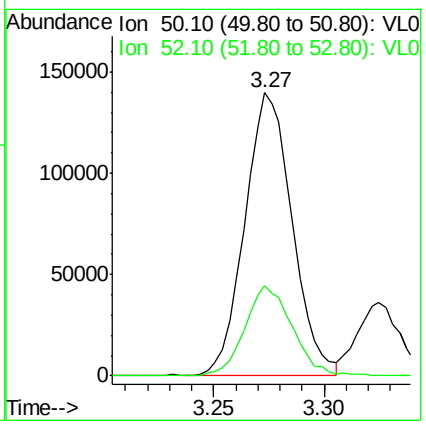
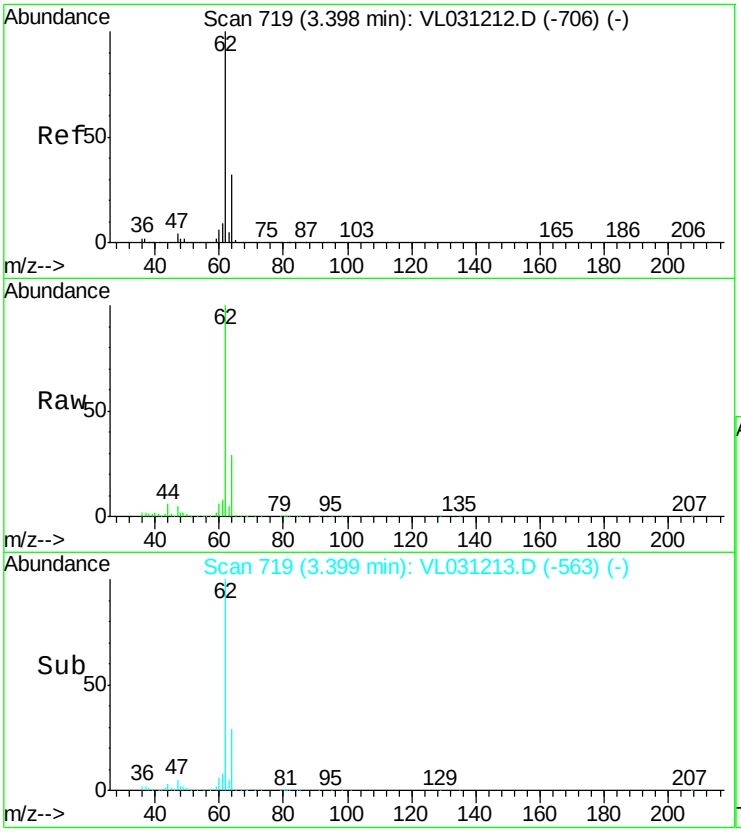


#4
Chloromethane
Concen: 2.58 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 50 Resp: 208303

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.5	39.7

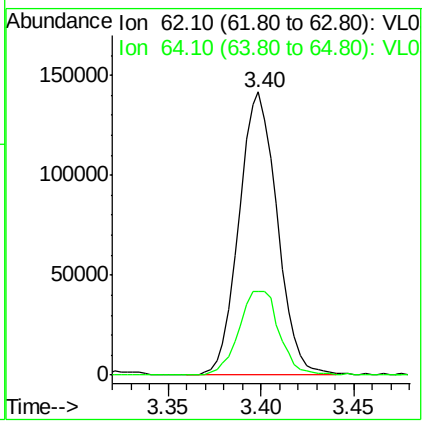




#5
Vinyl Chloride
Concen: 2.30 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 62 Resp: 202933

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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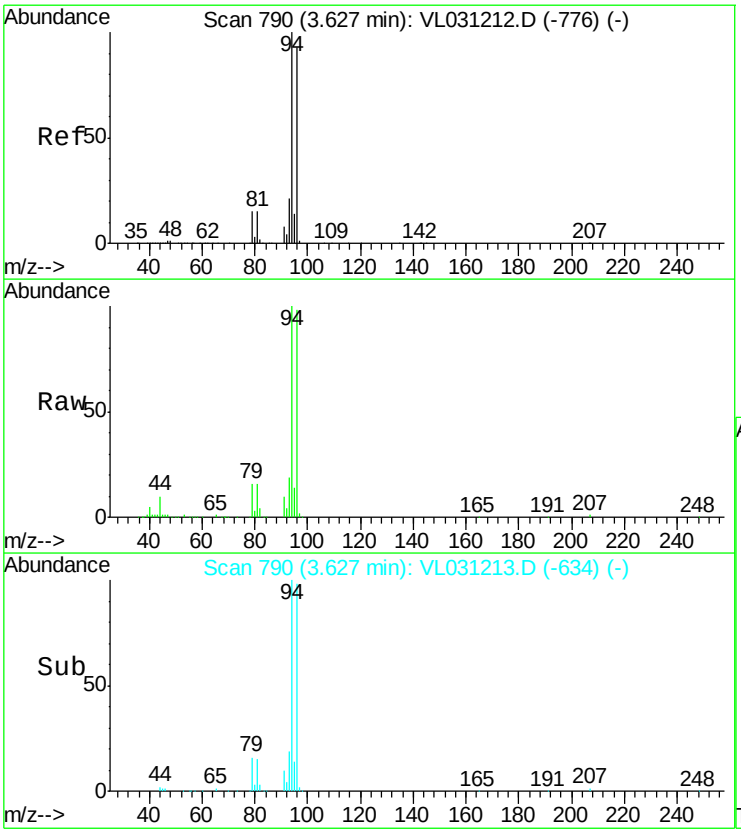
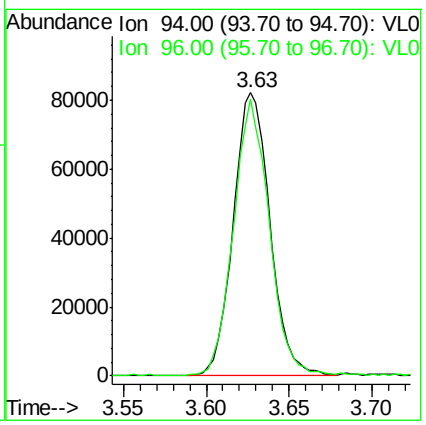
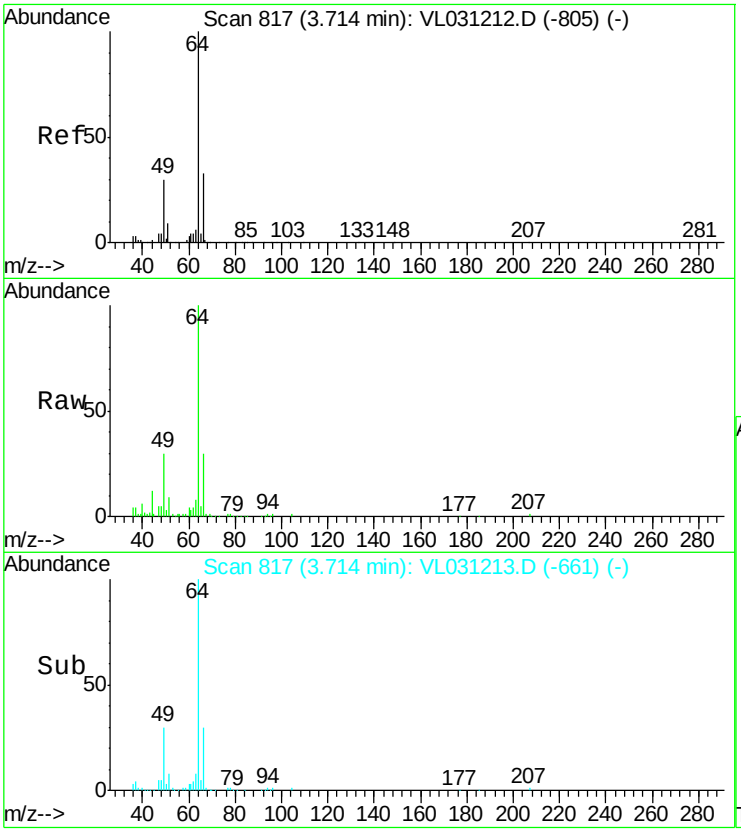


#6
Bromomethane
Concen: 2.37 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 94 Resp: 126647

Ion	Ratio	Lower	Upper
94	100		
96	97.6	74.4	111.6

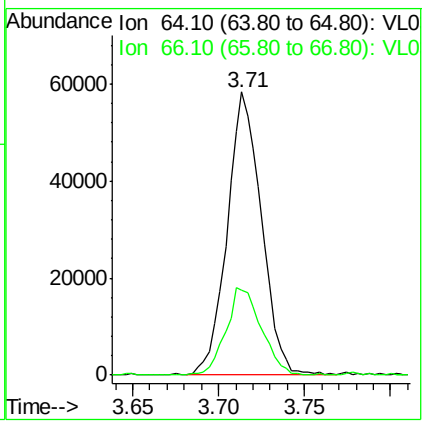




#7
Chloroethane
Concen: 2.59 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 64 Resp: 81222

Ion	Ratio	Lower	Upper
64	100		
66	30.1	26.2	39.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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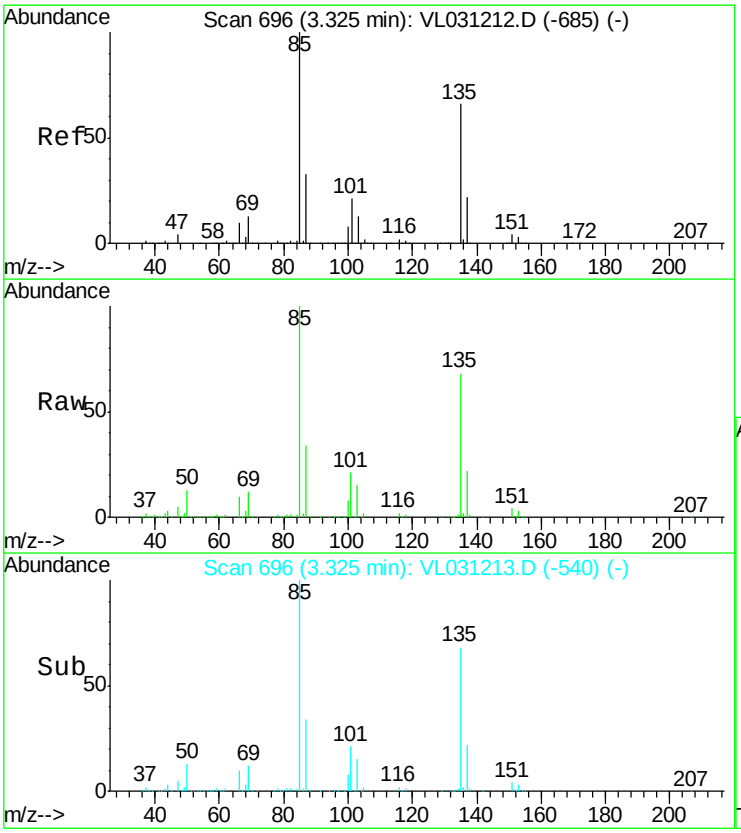
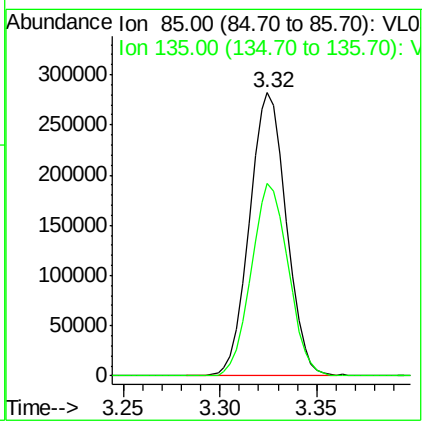
12/15/2017 4:06:54 PM

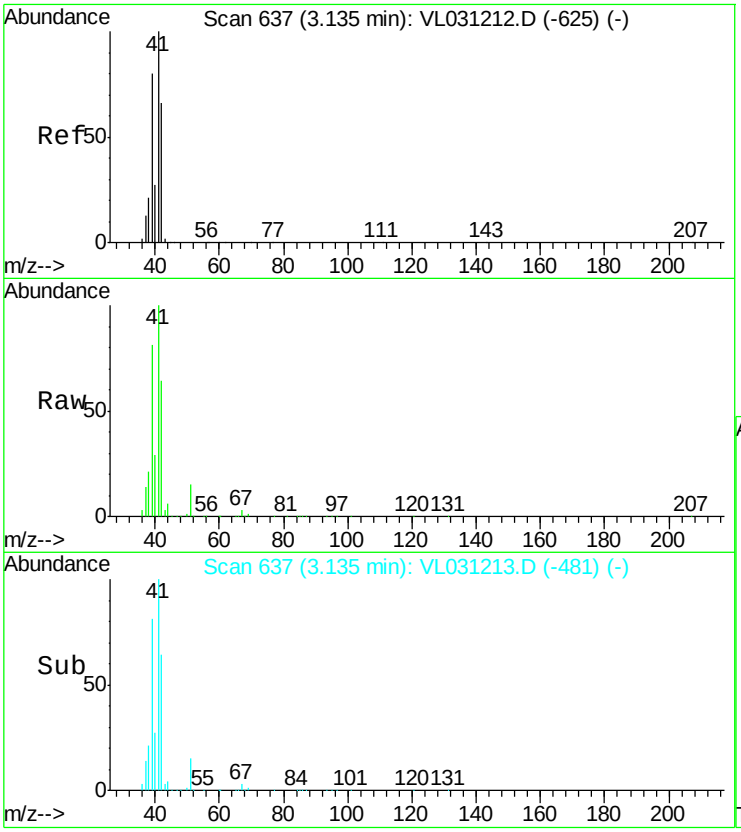


#8
Dichlorotetrafluoroethane
Concen: 2.00 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 85 Resp: 374433

Ion	Ratio	Lower	Upper
85	100		
135	68.7	54.0	81.0





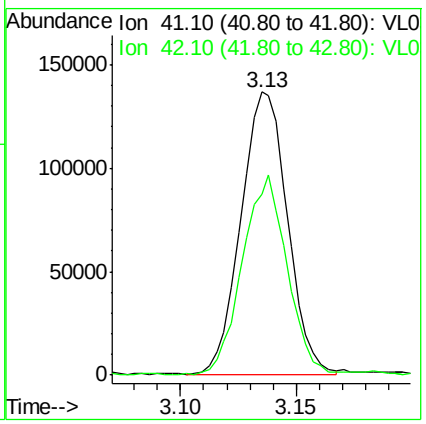
#9
Propene
Concen: 2.13 ppbv
RT: 3.13 min Scan# 637
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

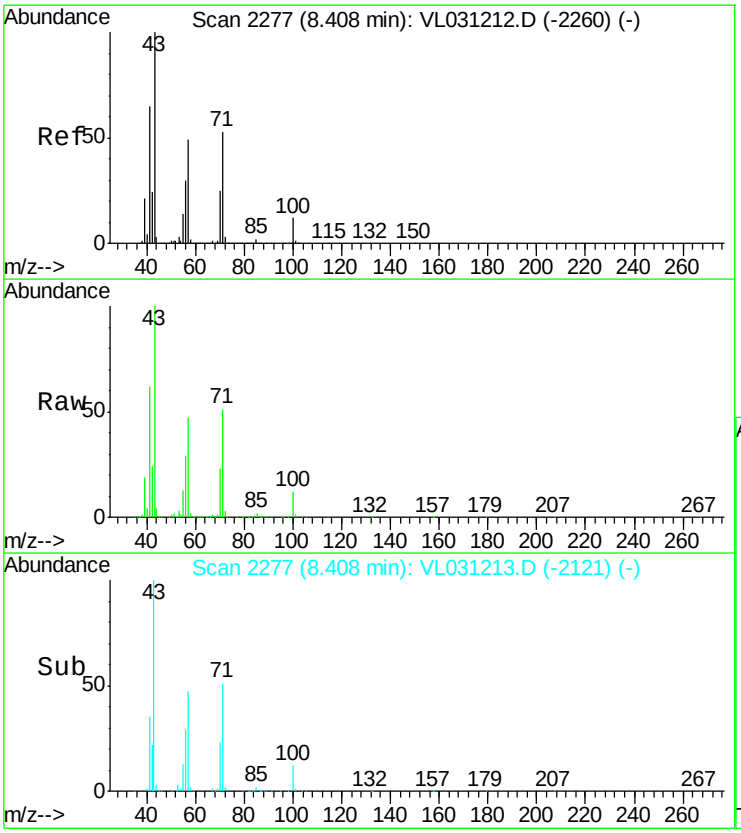
Tgt Ion: 41 Resp: 190094

Ion	Ratio	Lower	Upper
41	100		
42	68.6	54.3	81.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
12/15/2017 4:06:54 PM

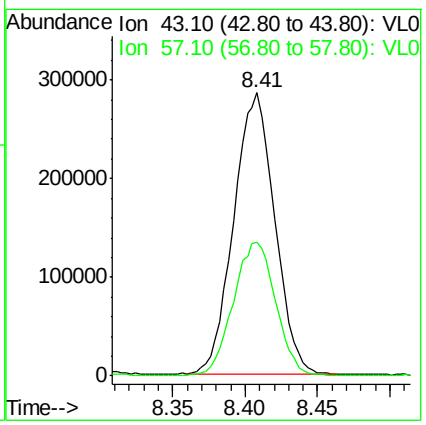


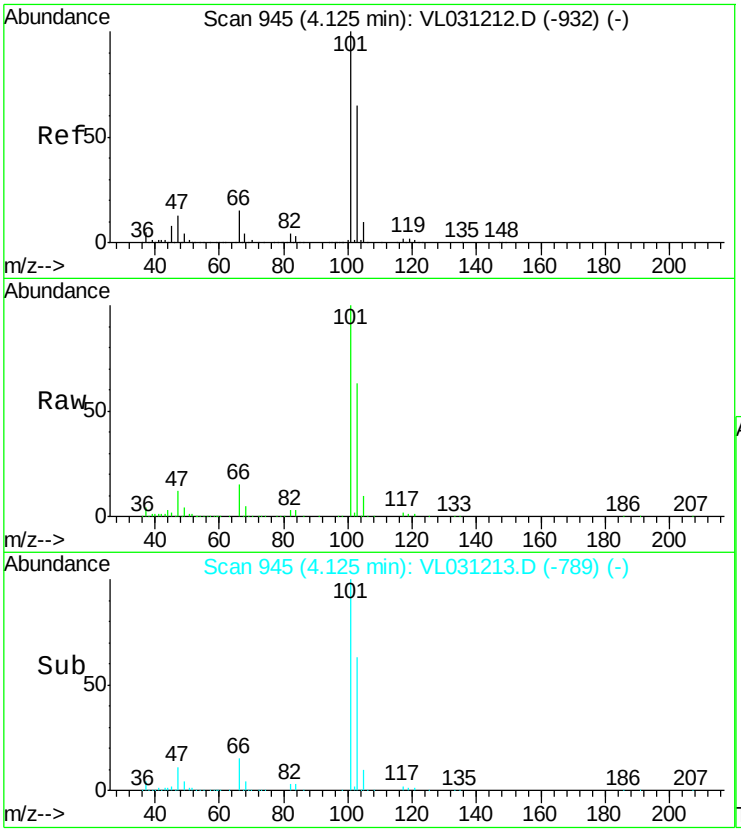


#10
Heptane
Concen: 2.11 ppbv
RT: 8.41 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 559690

Ion	Ratio	Lower	Upper
43	100		
57	49.2	39.8	59.8





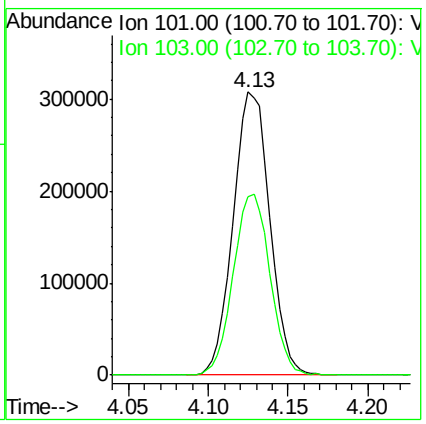
#11
Trichlorofluoromethane
Concen: 2.54 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

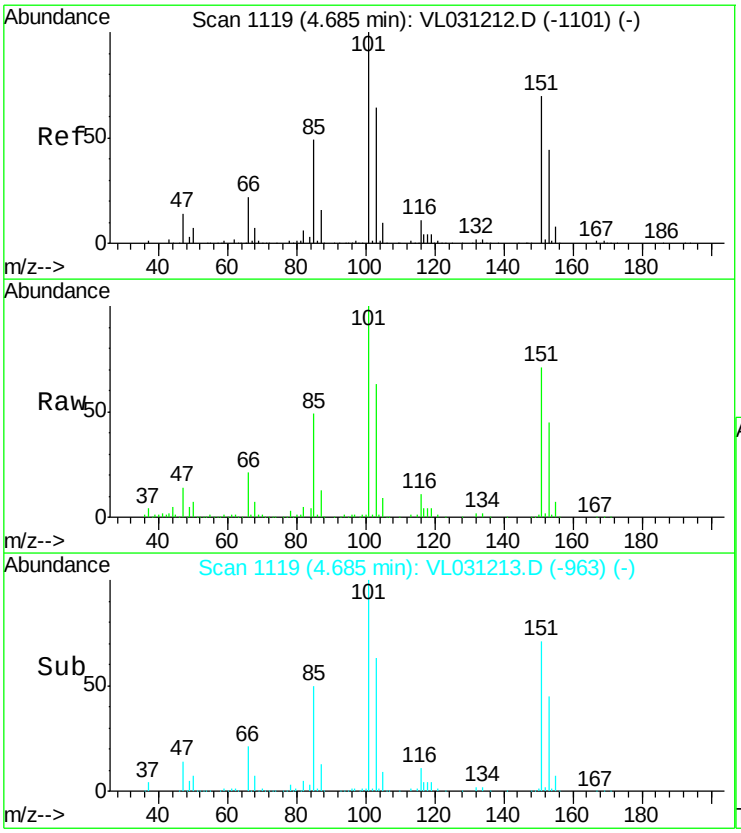
Tgt Ion:101 Resp: 478847

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.8	77.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
12/15/2017 4:06:54 PM

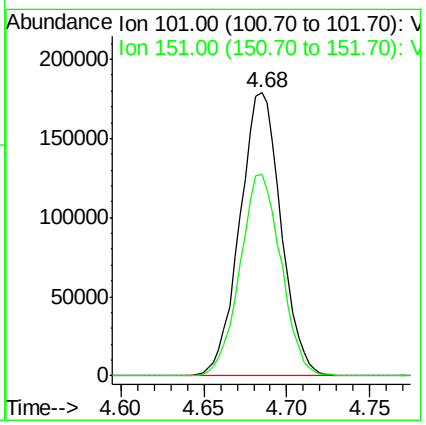


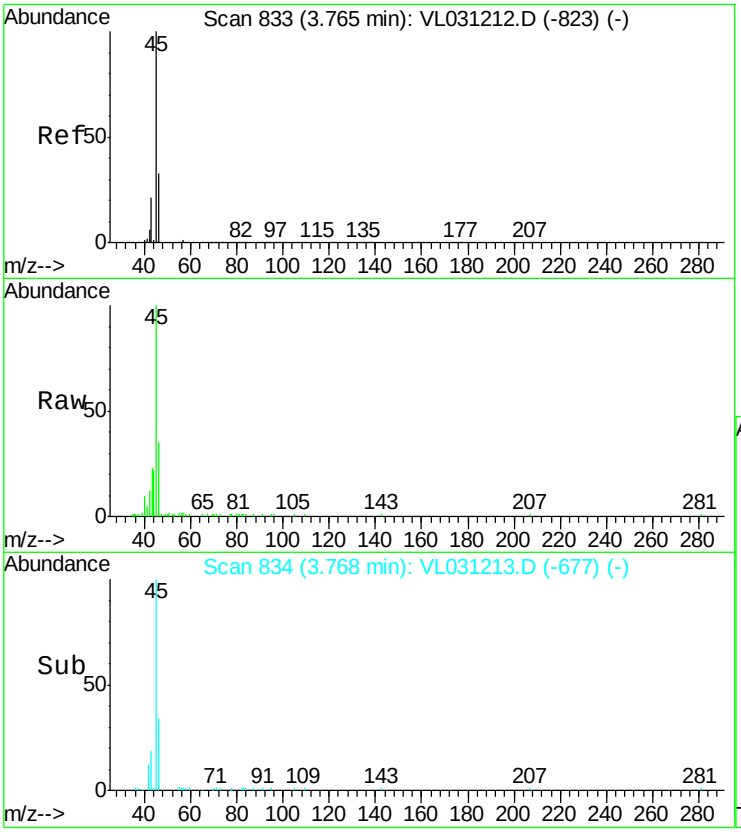


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.75 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:101 Resp: 308262

Ion	Ratio	Lower	Upper
101	100		
151	71.3	56.5	84.7

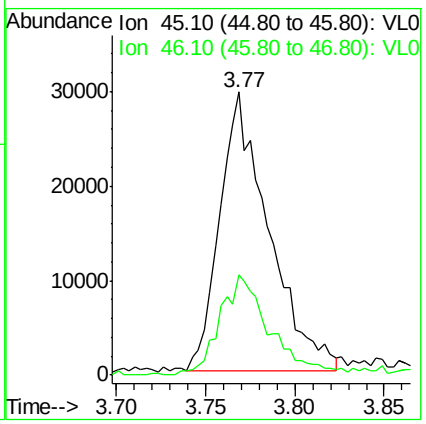




#13
Ethanol
Concen: 3.28 ppbv
RT: 3.77 min Scan# 834
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 45 Resp: 56044

Ion	Ratio	Lower	Upper
45	100		
46	38.4	14.6	58.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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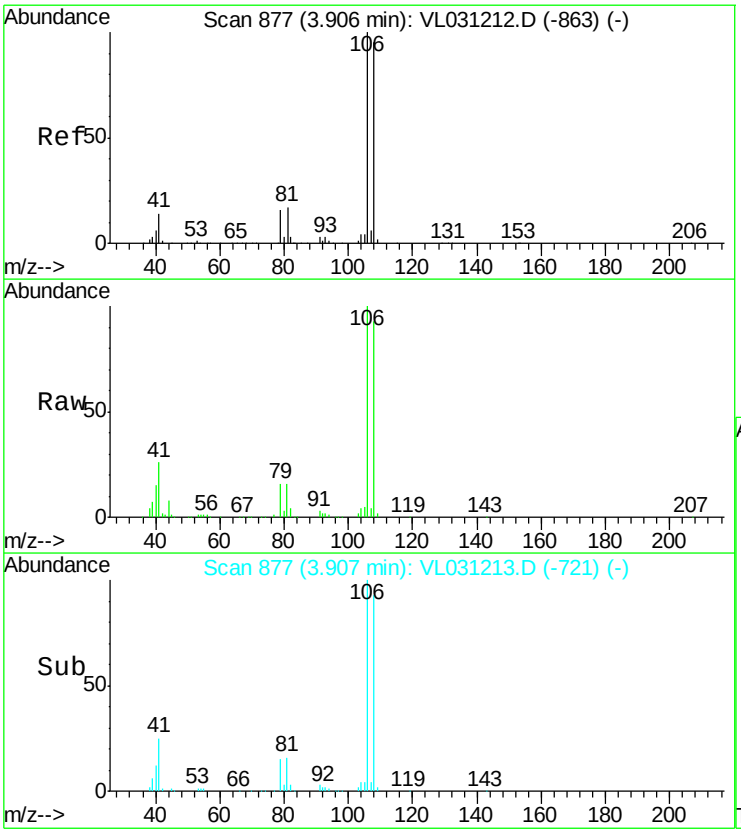
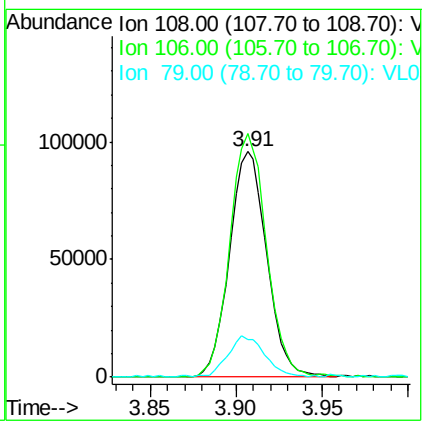
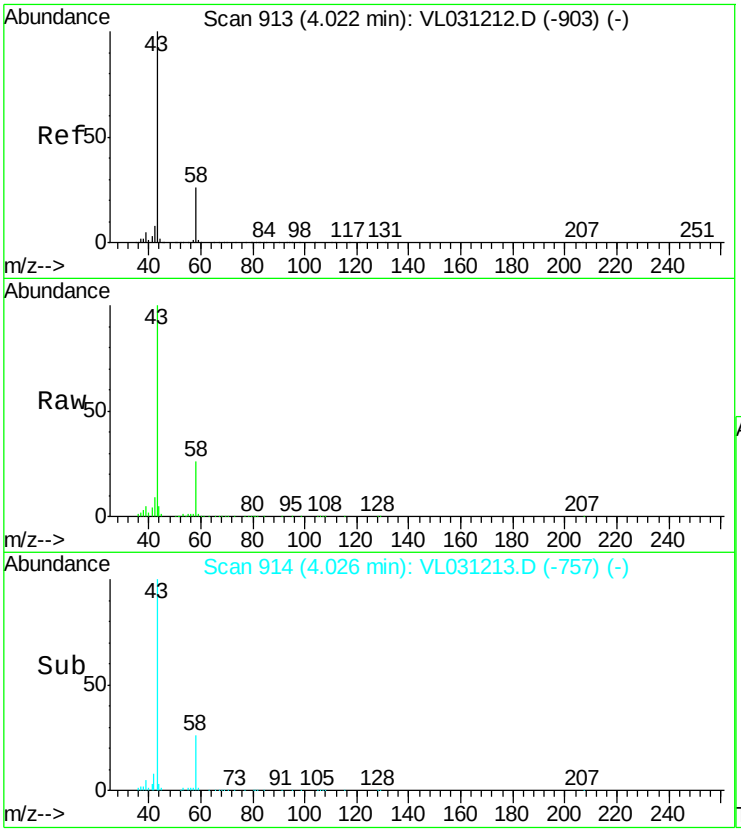


#14
Bromoethene
Concen: 2.52 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:108 Resp: 145184

Ion	Ratio	Lower	Upper
108	100		
106	106.9	86.5	129.7
79	19.4	14.2	21.4

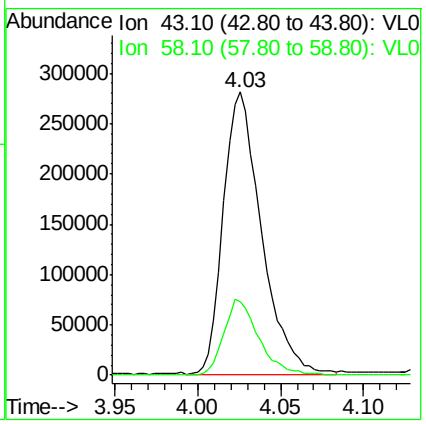




#15
Acetone
Concen: 2.83 ppbv
RT: 4.03 min Scan# 914
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 447352

Ion	Ratio	Lower	Upper
43	100		
58	24.8	20.3	30.5



Instrument :
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ClientSampleId :
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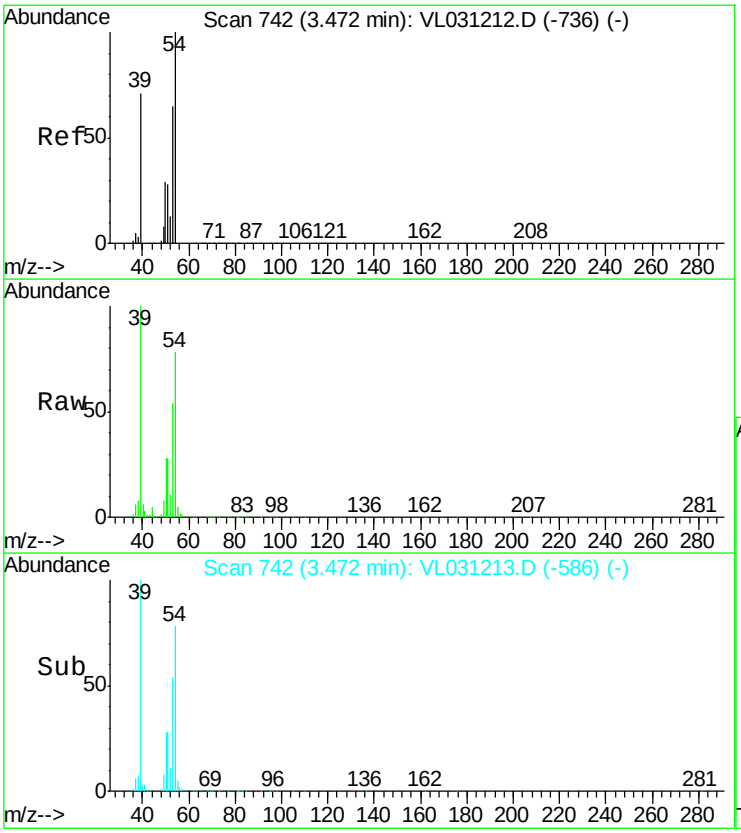
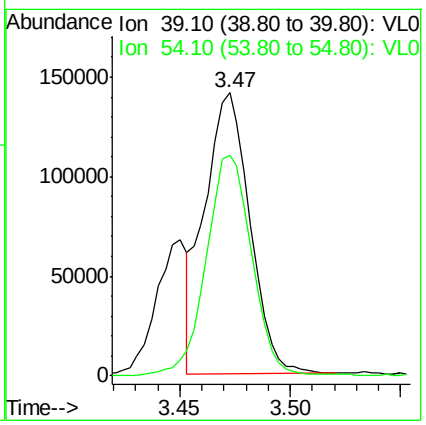
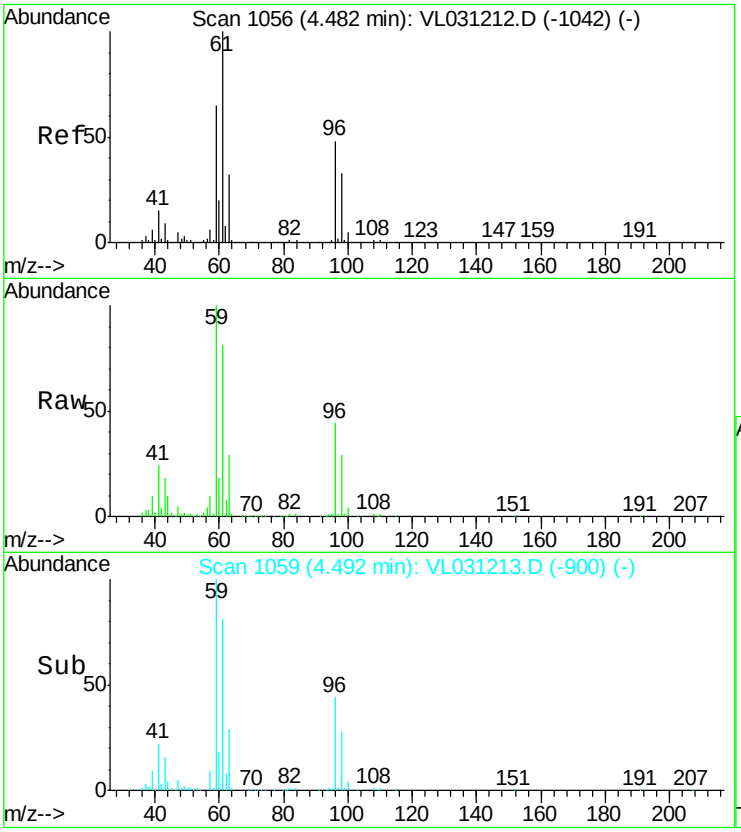


#16
1,3-Butadiene
Concen: 2.68 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 39 Resp: 199286

Ion	Ratio	Lower	Upper
39	100		
54	80.3	66.4	99.6

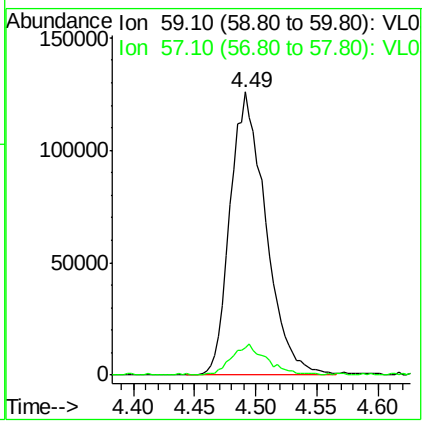




#17
tert-Butyl alcohol
Concen: 3.34 ppbv
RT: 4.49 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 59 Resp: 256036

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2



Instrument :
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ClientSampleId :
VSTDICC002

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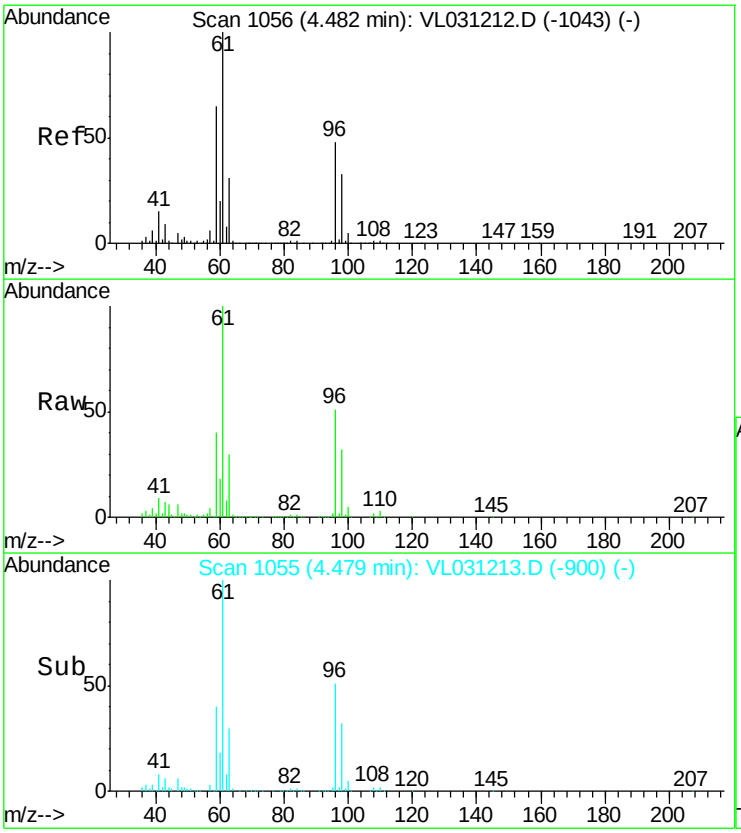
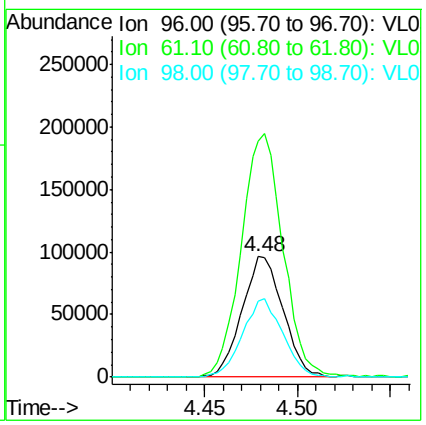
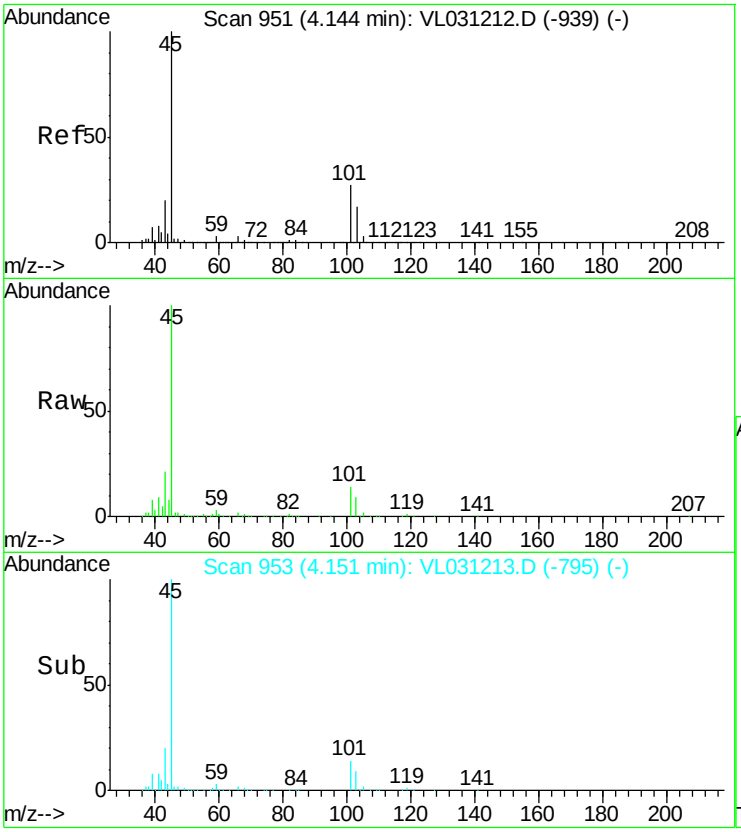


#18
1,1-Dichloroethene
Concen: 2.72 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 96 Resp: 148250

Ion	Ratio	Lower	Upper
96	100		
61	196.3	166.8	250.2
98	62.8	55.0	82.6

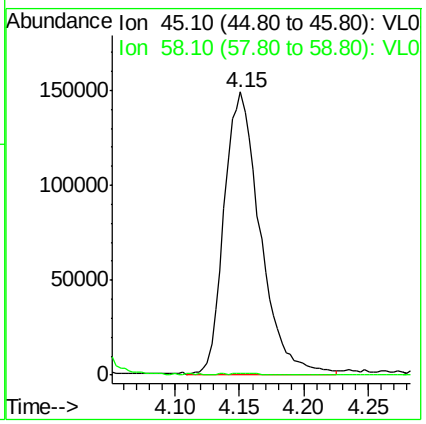




#19
Isopropyl Alcohol
Concen: 3.12 ppbv
RT: 4.15 min Scan# 953
Delta R.T. 0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 45 Resp: 287463

Ion	Ratio	Lower	Upper
45	100		
58	38.8	27.2	40.8



Instrument :
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ClientSampleId :
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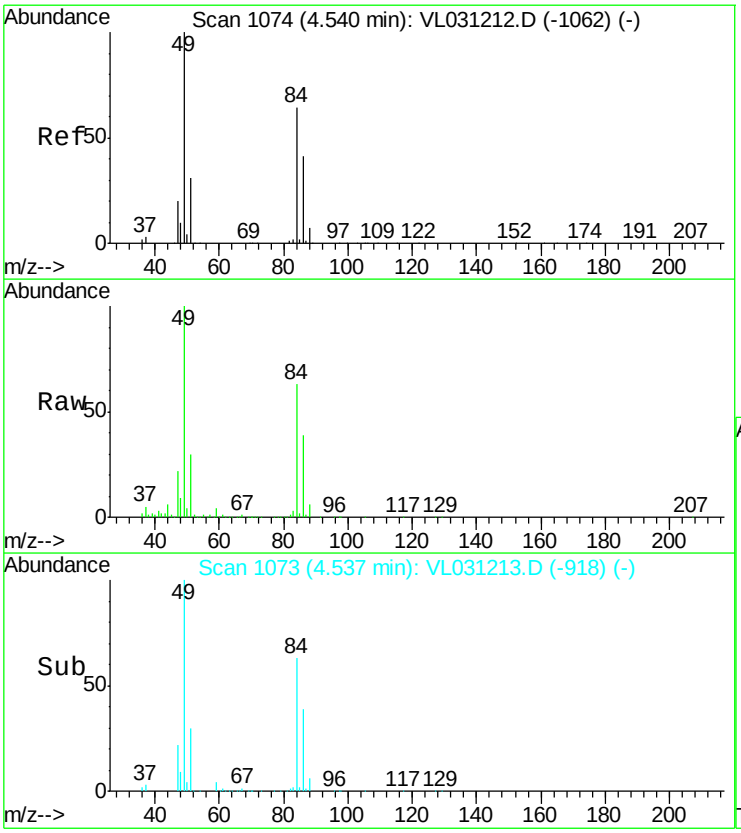
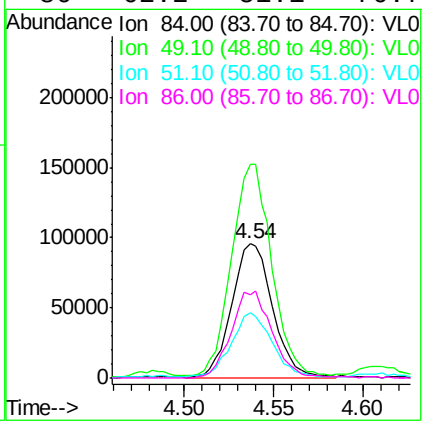
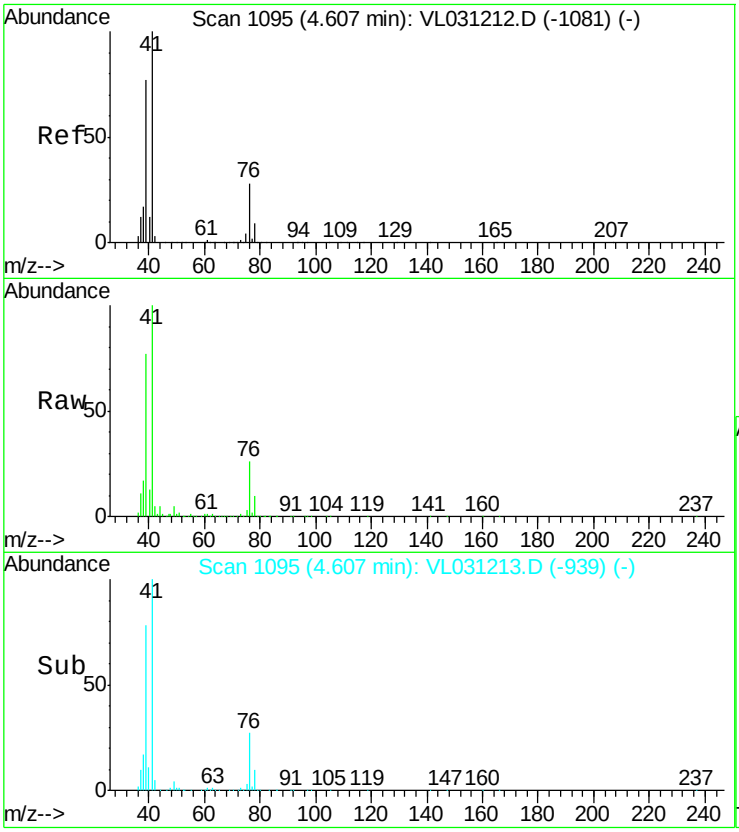


#20
Methylene Chloride
Concen: 2.78 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 84 Resp: 152631

Ion	Ratio	Lower	Upper
84	100		
49	158.0	125.8	188.6
51	47.8	39.3	58.9
86	62.2	51.1	76.7

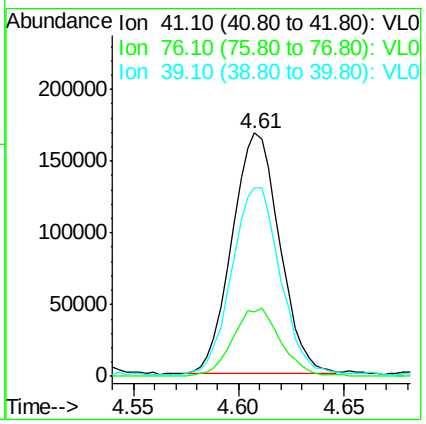




#21
Allvl Chloride
Concen: 3.34 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 41 Resp: 262857

Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.9	34.3
39	80.4	62.6	93.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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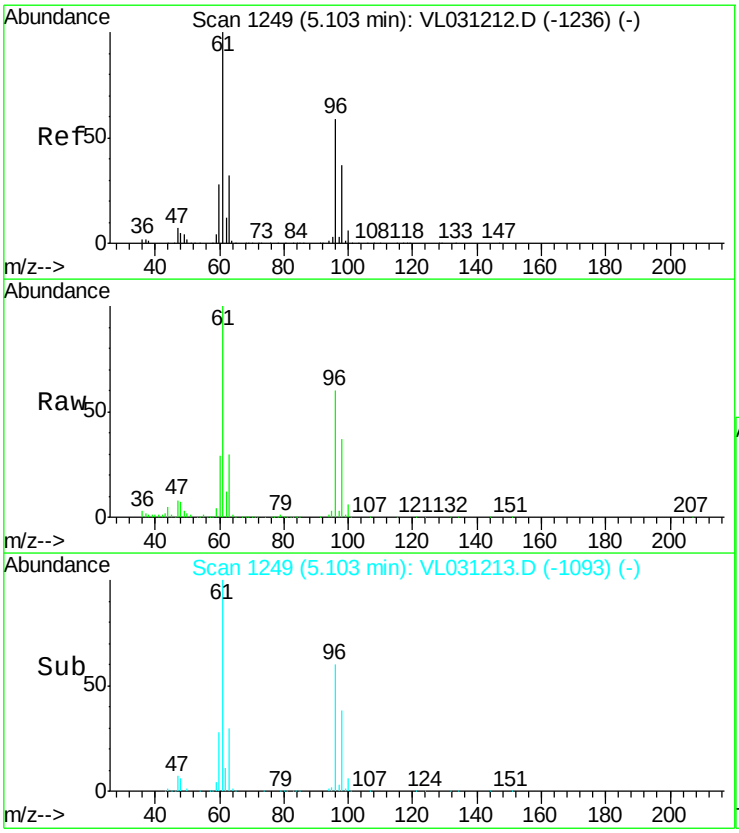
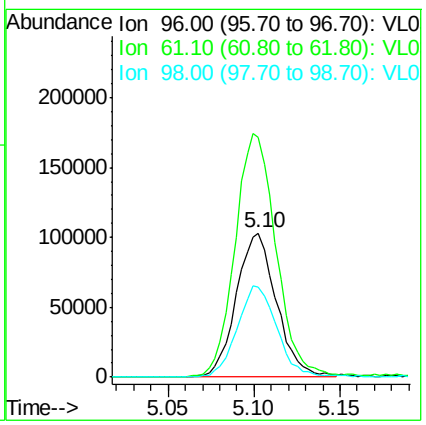
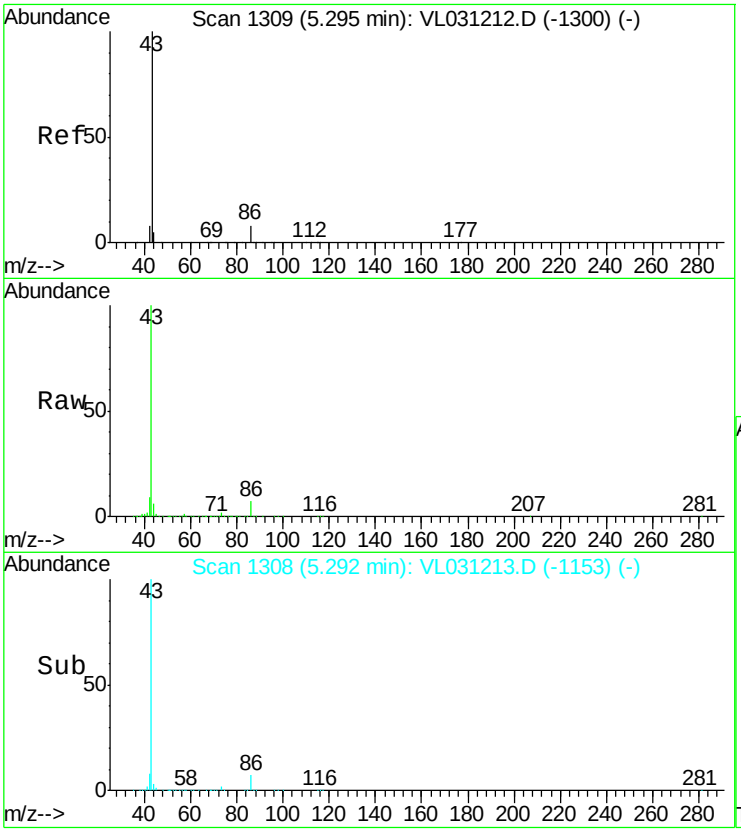


#22
trans-1,2-Dichloroethene
Concen: 2.45 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 96 Resp: 167267

Ion	Ratio	Lower	Upper
96	100		
61	166.4	135.0	202.4
98	62.2	50.5	75.7

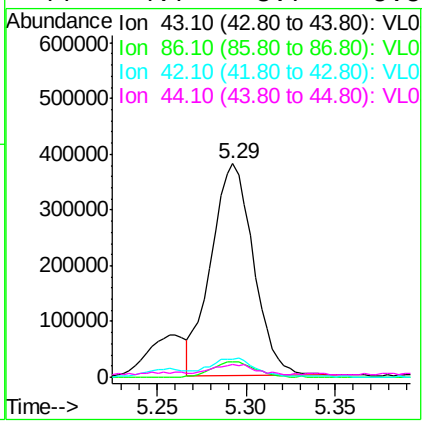




#23
Vinyl Acetate
Concen: 2.23 ppbv
RT: 5.29 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 628072

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	8.5	7.3	10.9
44	4.7	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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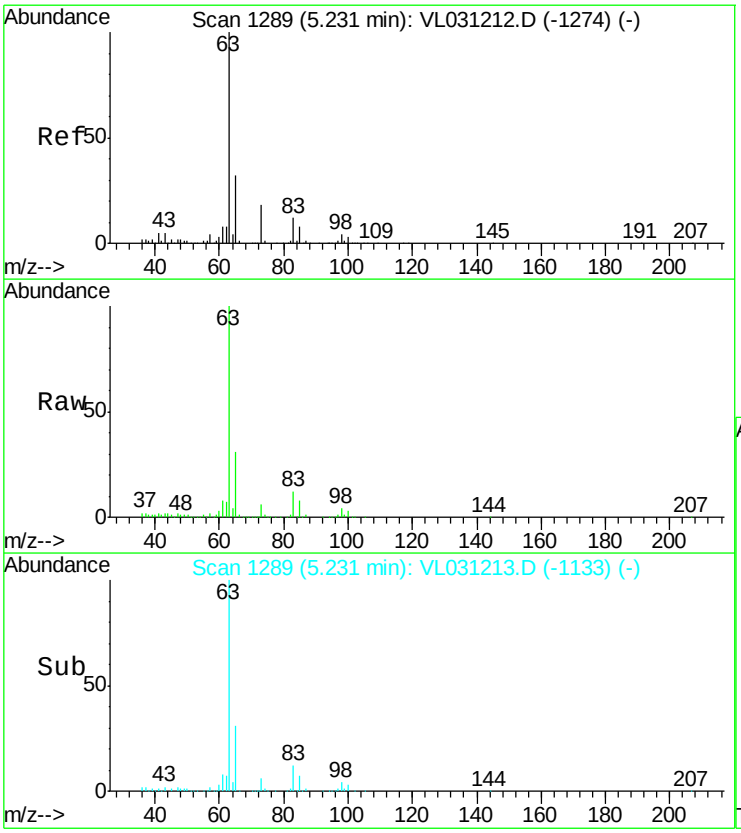
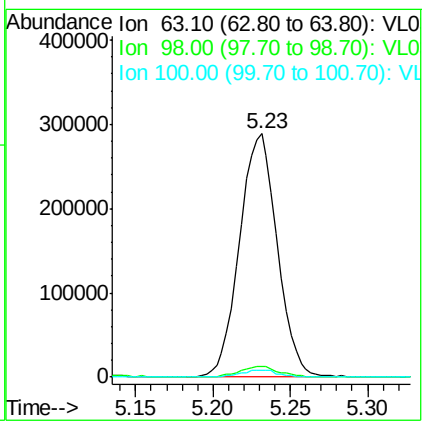
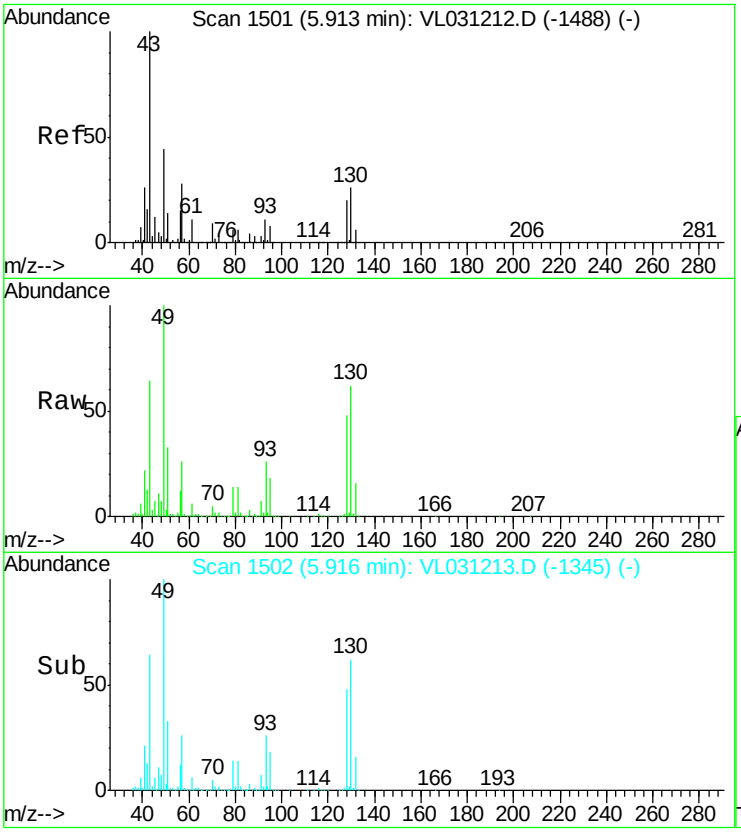


#24
1,1-Dichloroethane
Concen: 2.01 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 63 Resp: 488022

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.6	1.4	4.2

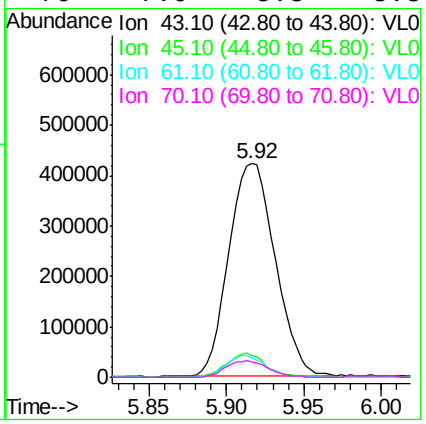




#25
Ethyl Acetate
Concen: 2.25 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 883911

Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.1	7.4	11.0
70	7.0	5.8	8.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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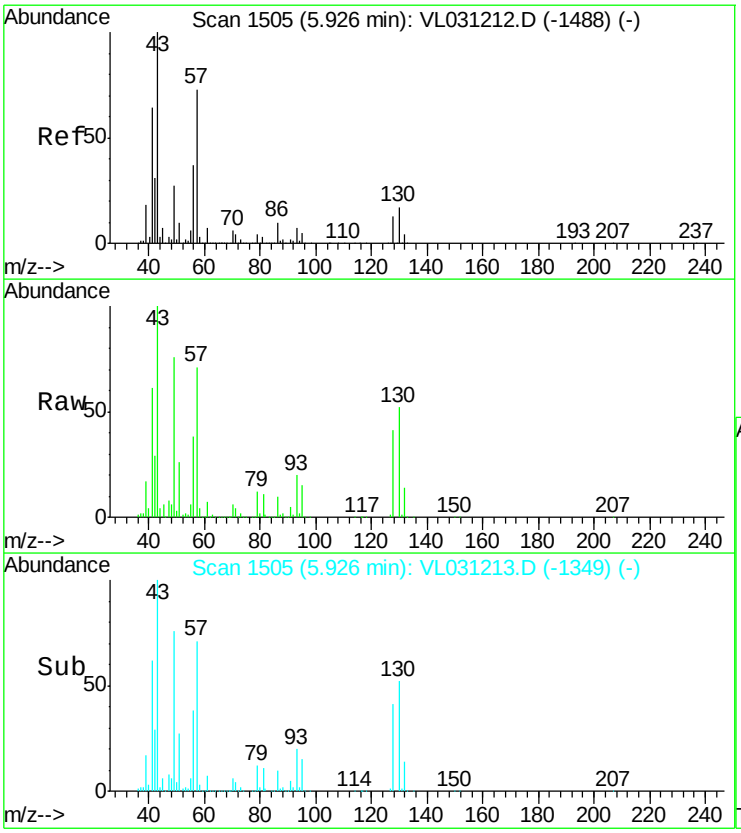
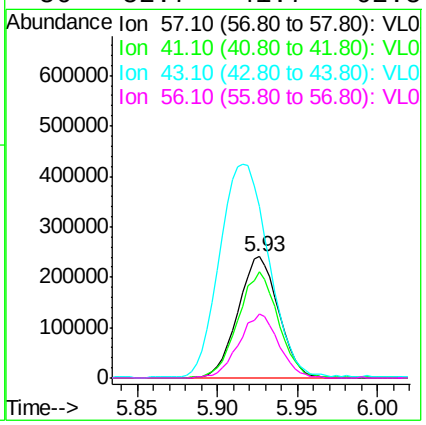
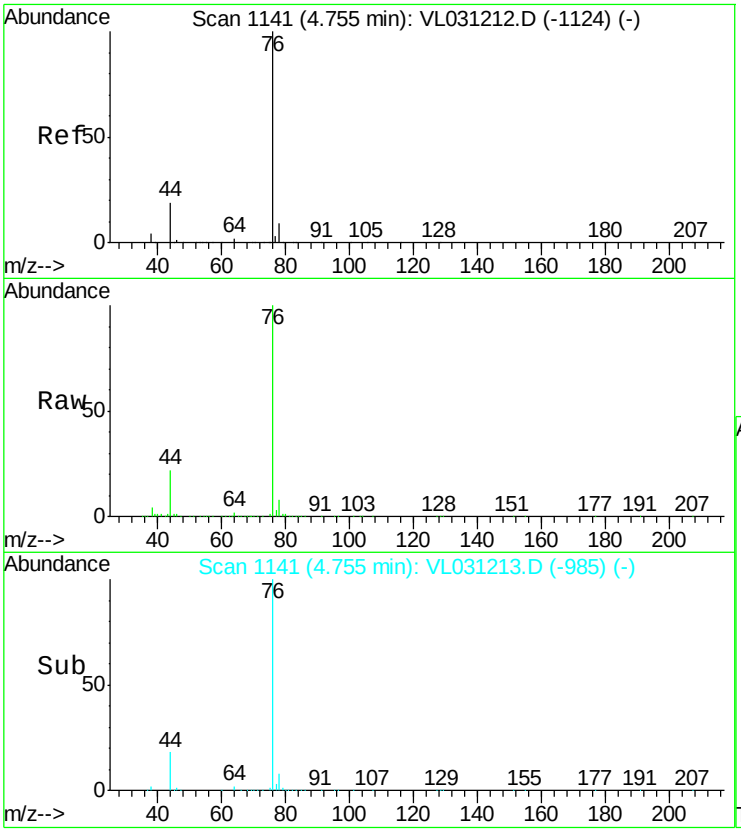


#26
Hexane
Concen: 2.17 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 57 Resp: 413595

Ion	Ratio	Lower	Upper
57	100		
41	87.0	70.3	105.5
43	215.6	173.8	260.8
56	52.7	41.7	62.5

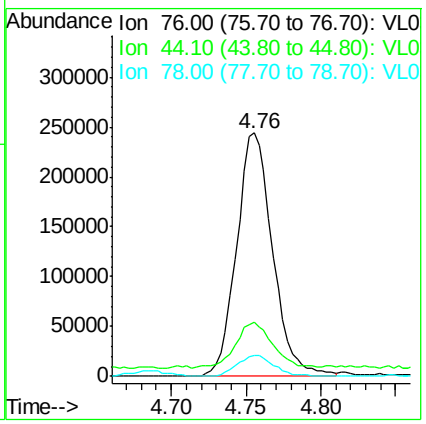




#27
Carbon Disulfide
Concen: 3.05 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 76 Resp: 408799

Ion	Ratio	Lower	Upper
76	100		
44	25.4	16.0	24.0#
78	8.7	7.5	11.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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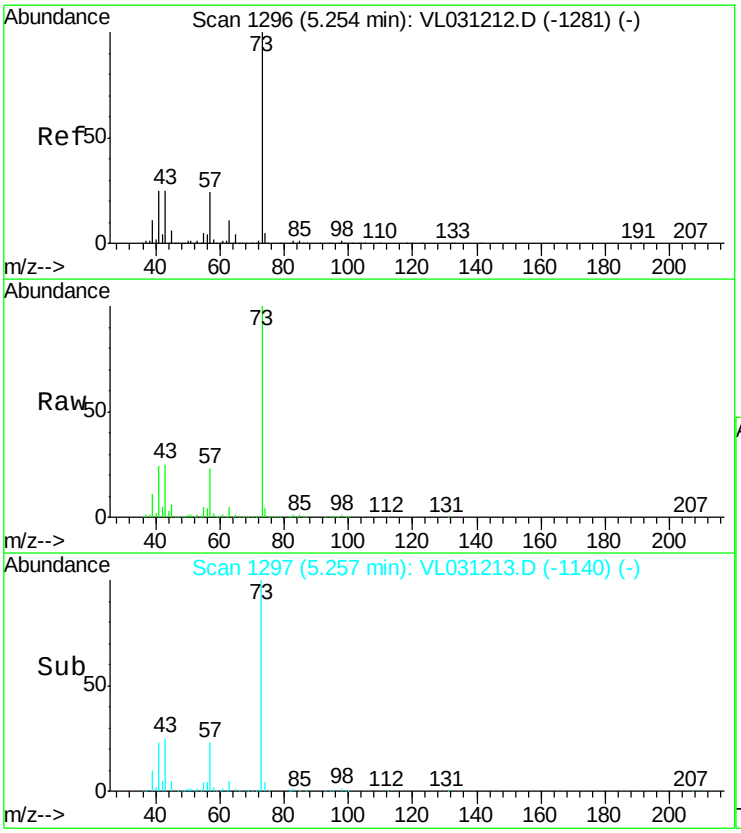
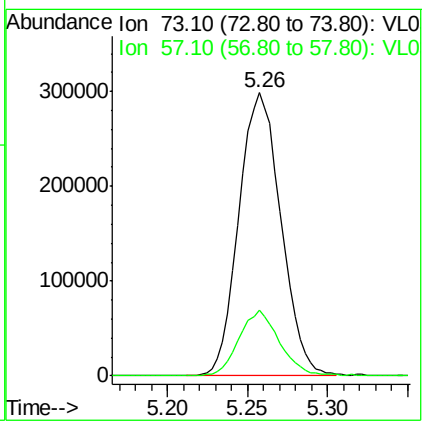
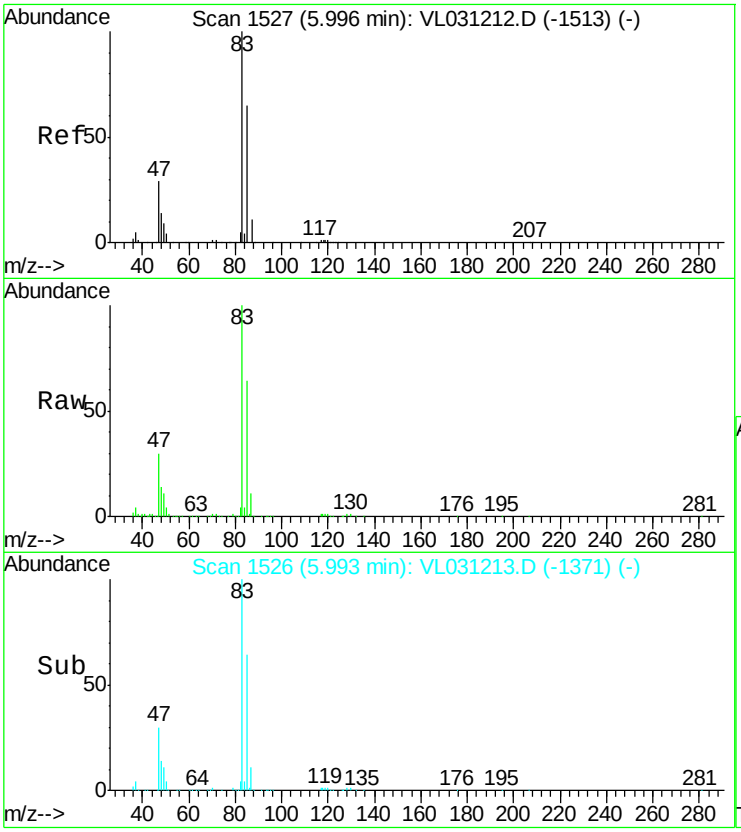


#28
Methyl tert-Butyl Ether
Concen: 2.54 ppbv
RT: 5.26 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 73 Resp: 536507

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

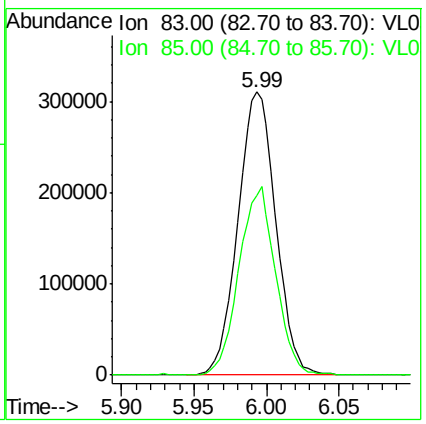




#29
Chloroform
Concen: 2.06 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 83 Resp: 563969

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
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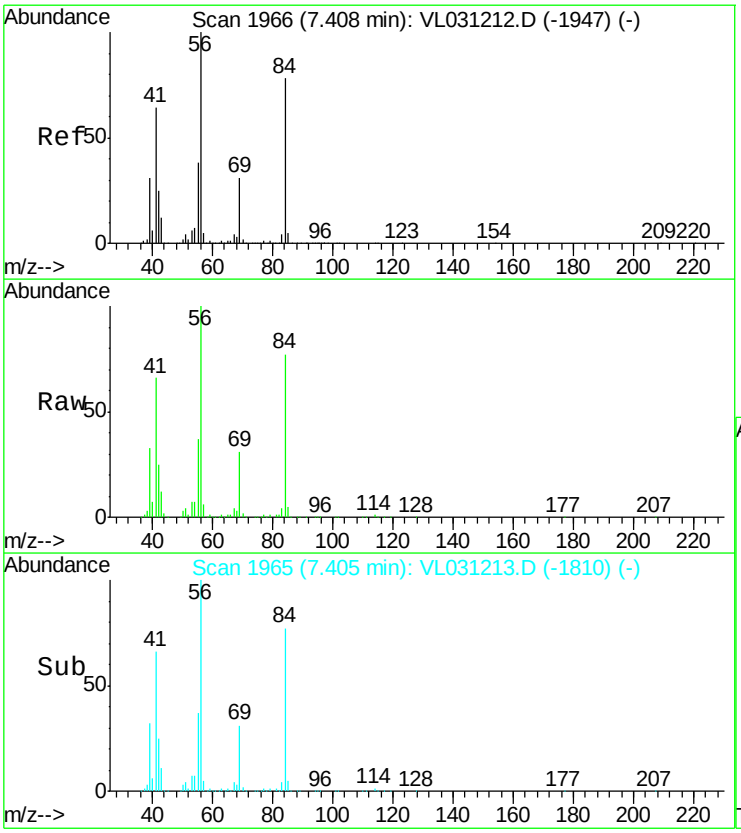
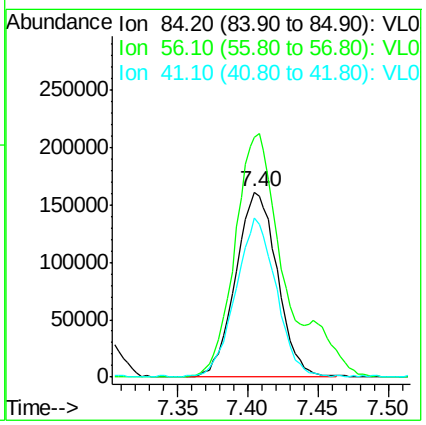
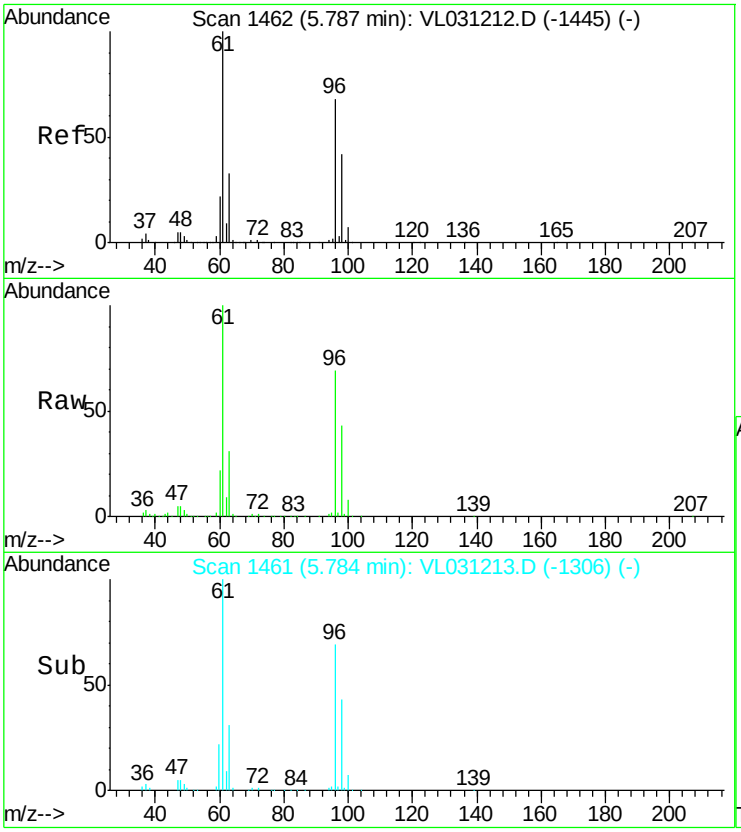


#30
Cyclohexane
Concen: 2.18 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 84 Resp: 333256

Ion	Ratio	Lower	Upper
84	100		
56	157.2	108.0	162.0
41	82.5	66.2	99.4

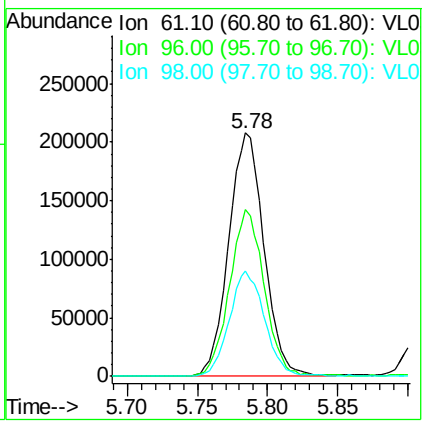




#31
cis-1,2-Dichloroethene
Concen: 1.99 ppbv
RT: 5.78 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 61 Resp: 363594

Ion	Ratio	Lower	Upper
61	100		
96	68.6	54.4	81.6
98	43.3	33.6	50.4



Instrument :
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ClientSampleId :
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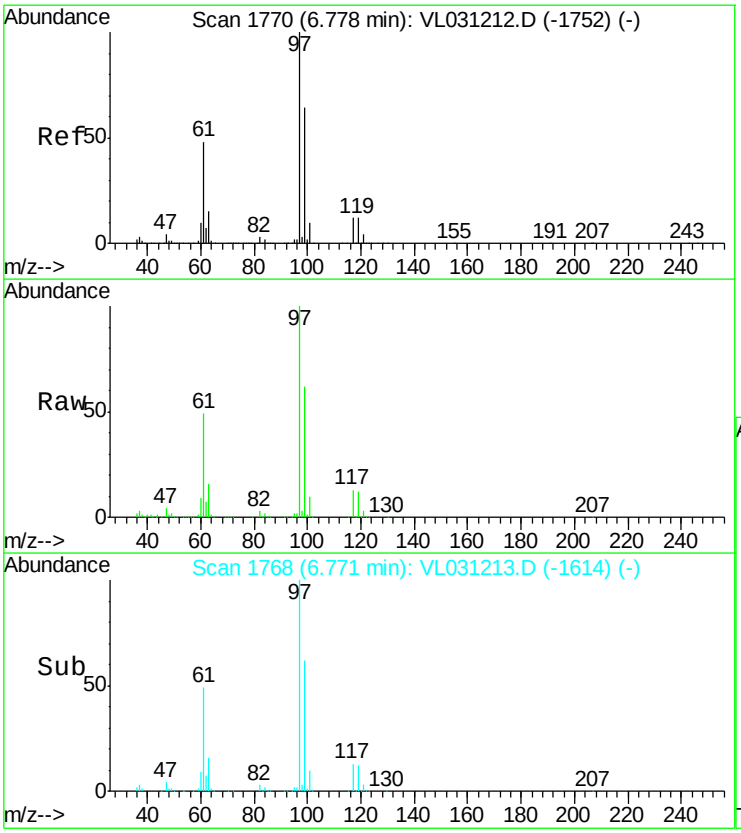
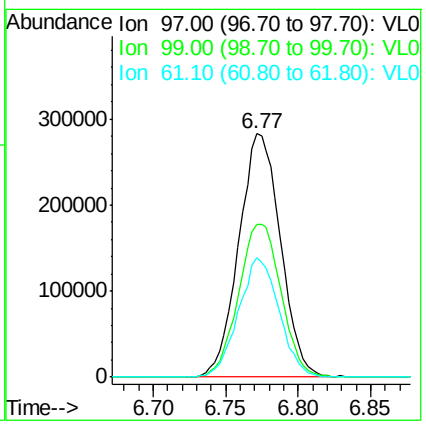
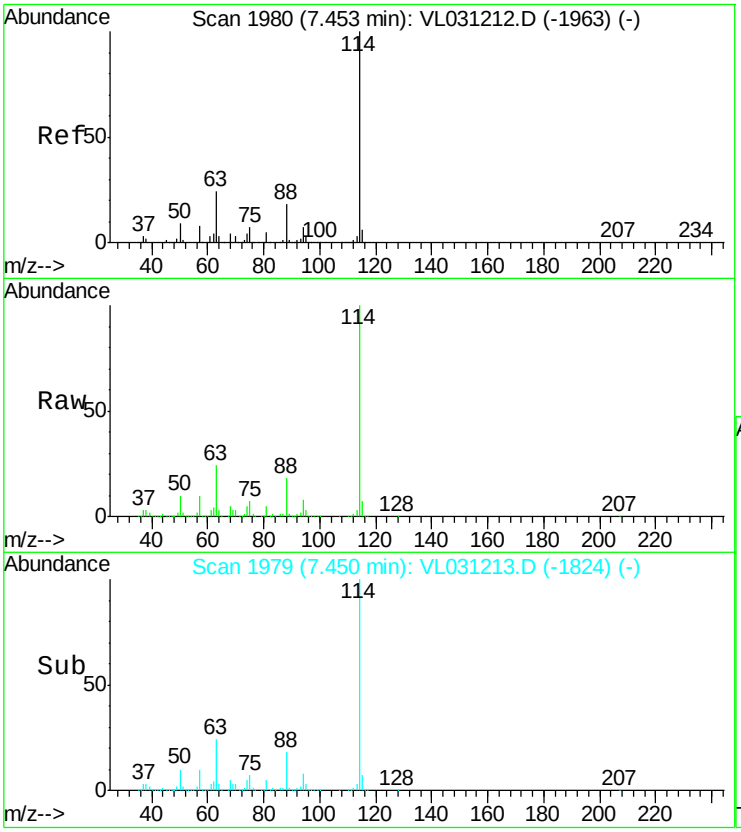


#32
1,1,1-Trichloroethane
Concen: 2.48 ppbv
RT: 6.77 min Scan# 1768
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 97 Resp: 565467

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	48.0	38.4	57.6

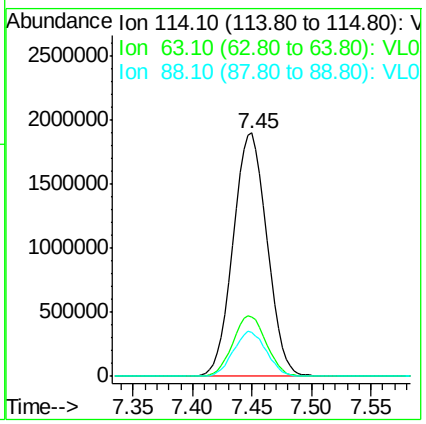




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:114 Resp: 3753144

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.8	29.8
88	18.0	14.2	21.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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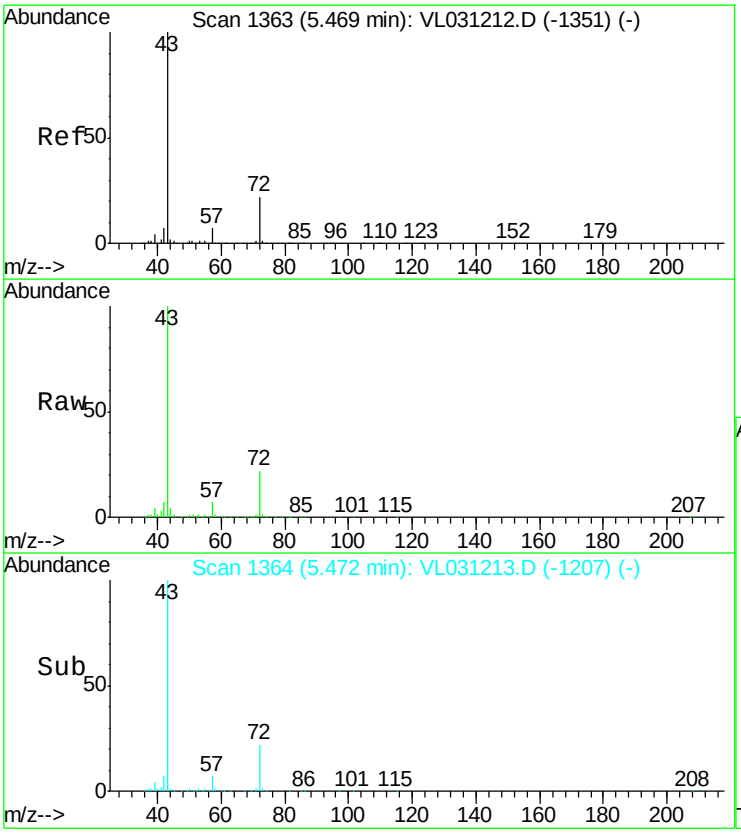
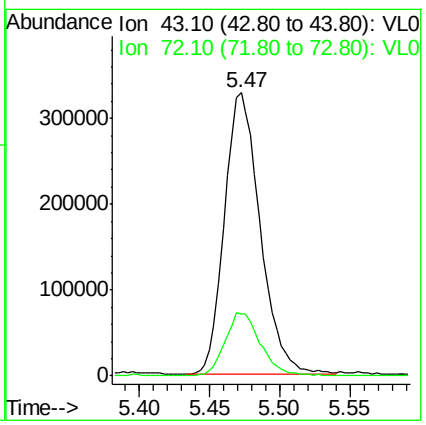
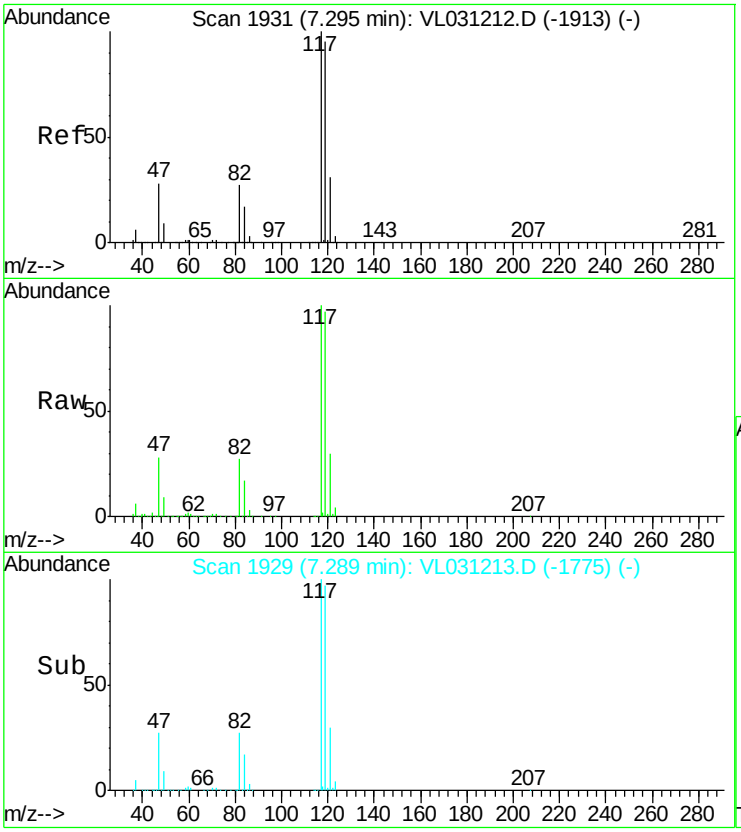


#34
2-Butanone
Concen: 1.90 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 583902

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.1	27.1

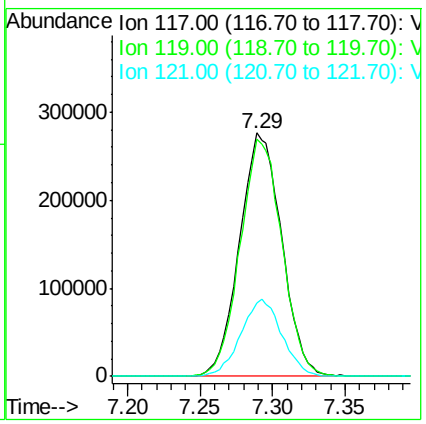




#35
Carbon Tetrachloride
Concen: 2.11 ppbv
RT: 7.29 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:117 Resp: 555995

Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.9	113.9
121	30.0	24.6	37.0



Instrument :
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ClientSampleId :
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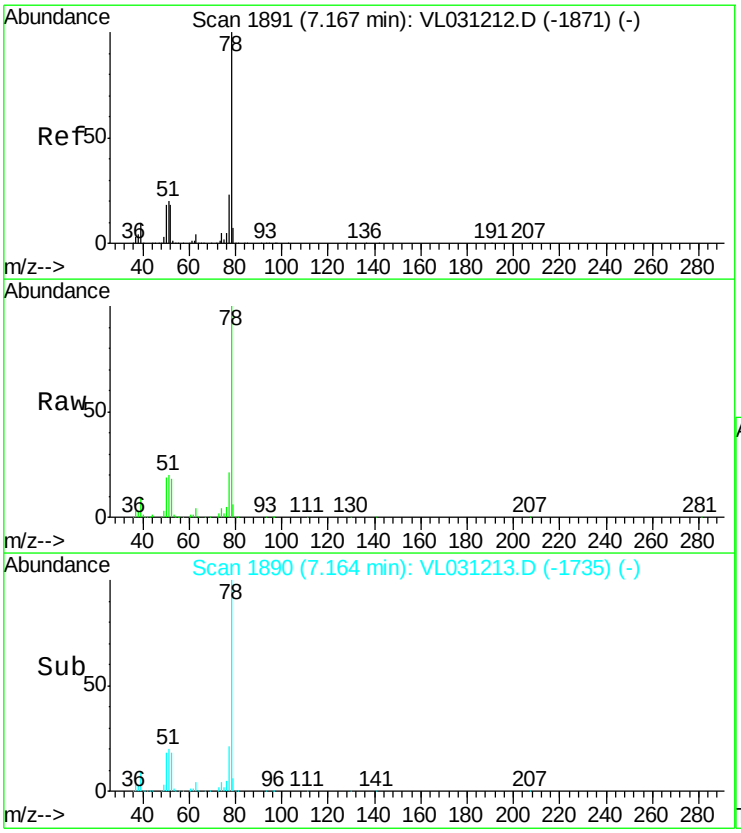
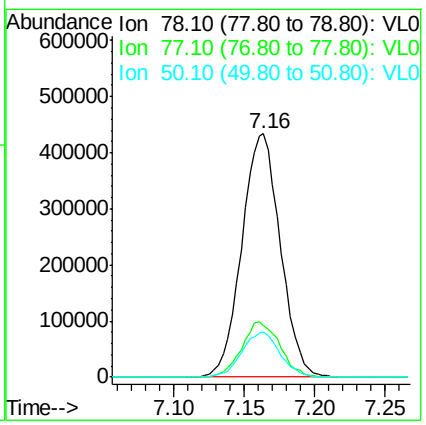
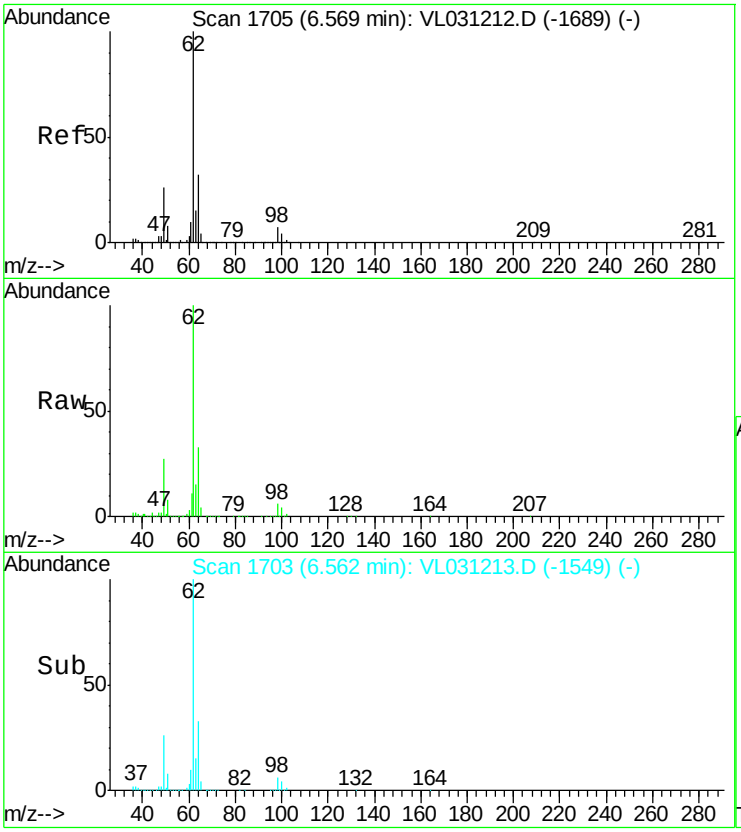


#36
Benzene
Concen: 1.93 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 78 Resp: 829043

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.1	27.1
50	18.5	14.6	21.8

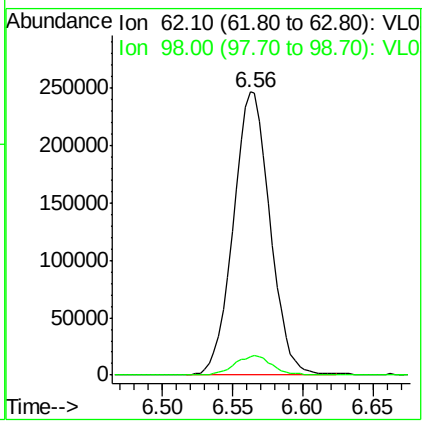




#37
1,2-Dichloroethane
Concen: 1.79 ppbv
RT: 6.56 min Scan# 1703
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 62 Resp: 450528

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.4	8.2



Instrument :
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ClientSampleId :
VSTDICC002

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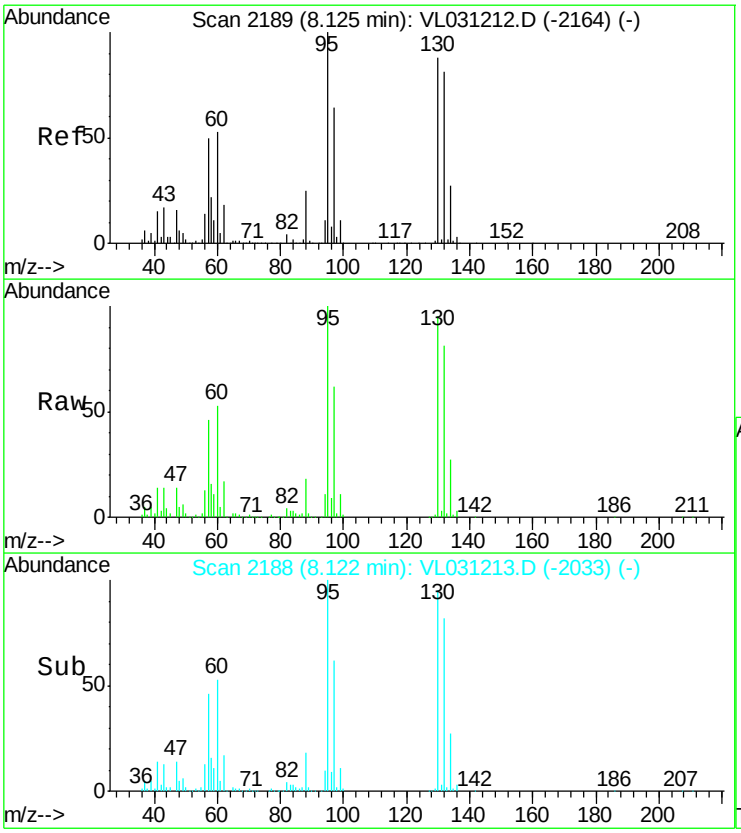
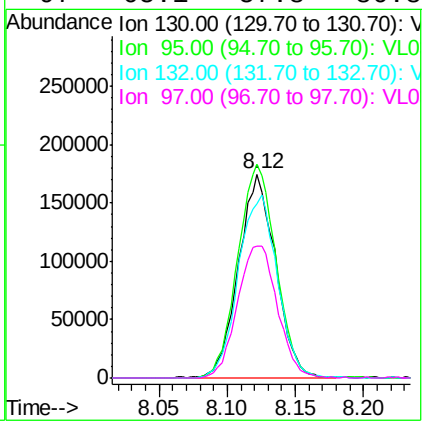
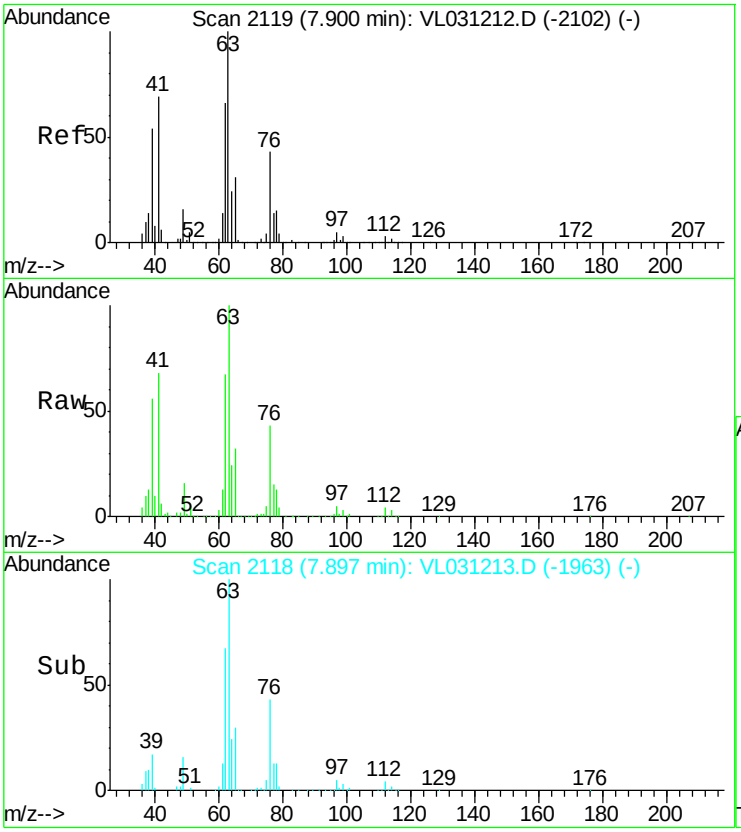


#38
Trichloroethene
Concen: 1.99 ppbv
RT: 8.12 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:130 Resp: 325974

Ion	Ratio	Lower	Upper
130	100		
95	105.3	90.6	135.8
132	85.6	73.5	110.3
97	65.1	57.8	86.8

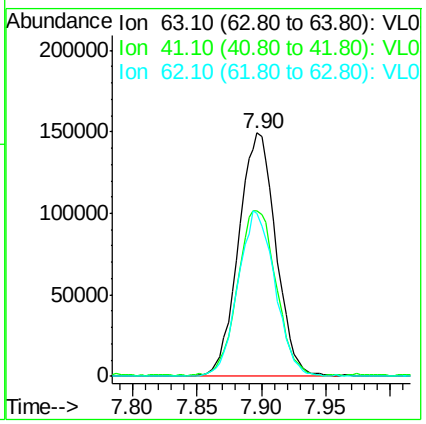




#39
1,2-Dichloropropane
Concen: 1.83 ppbv
RT: 7.90 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 63 Resp: 300765

Ion	Ratio	Lower	Upper
63	100		
41	67.7	55.2	82.8
62	67.0	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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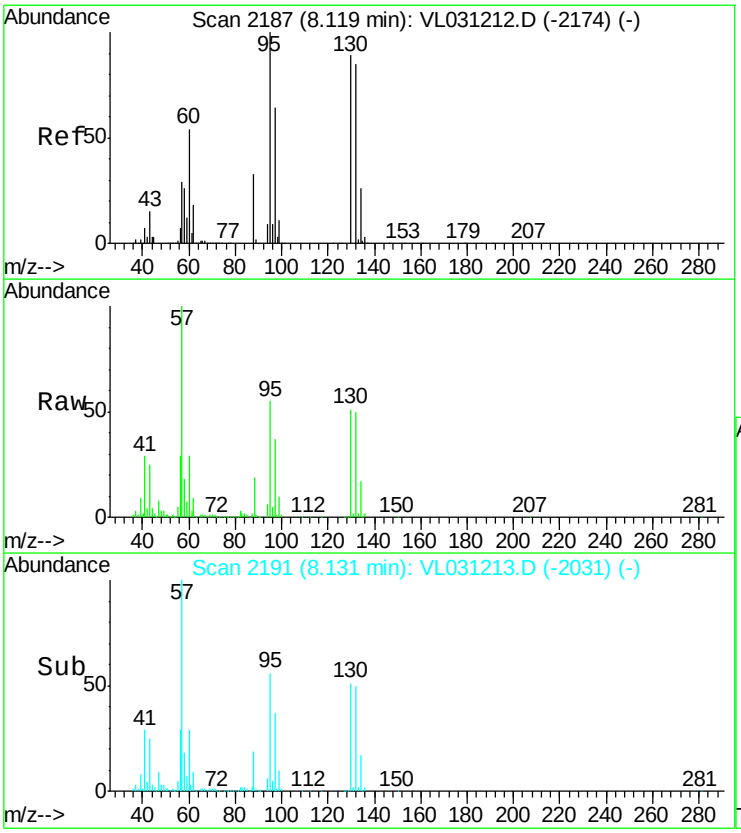
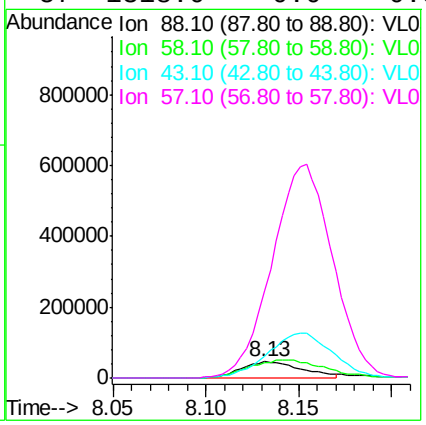
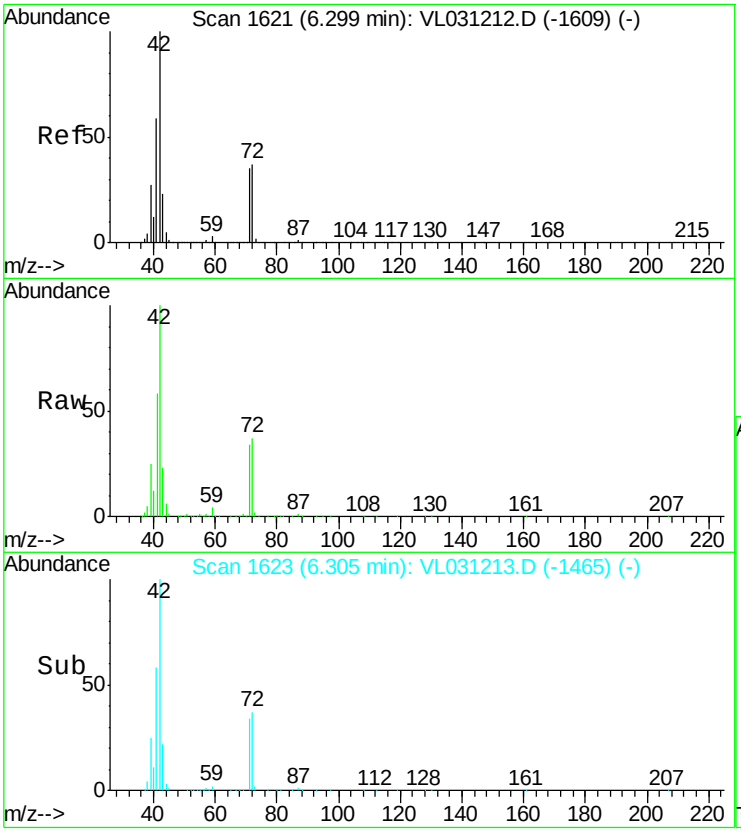


#40
1,4-Dioxane
Concen: 1.61 ppbv
RT: 8.13 min Scan# 2191
Delta R.T. 0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 88 Resp: 105404

Ion	Ratio	Lower	Upper
88	100		
58	145.7	104.3	156.5
43	297.3	0.0	0.0#
57	1318.0	0.0	0.0#

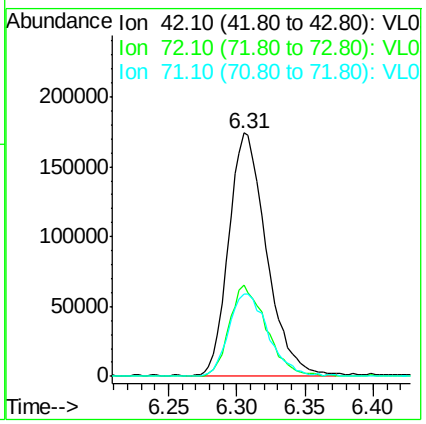




#41
Tetrahydrofuran
Concen: 2.06 ppbv
RT: 6.31 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 42 Resp: 332580

Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.2	45.4
71	36.1	29.0	43.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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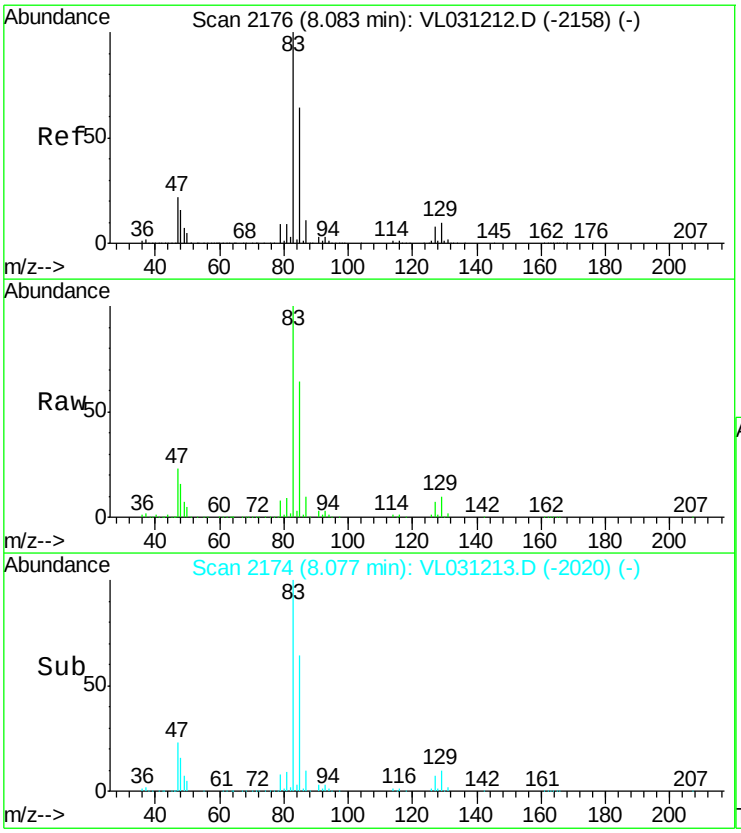
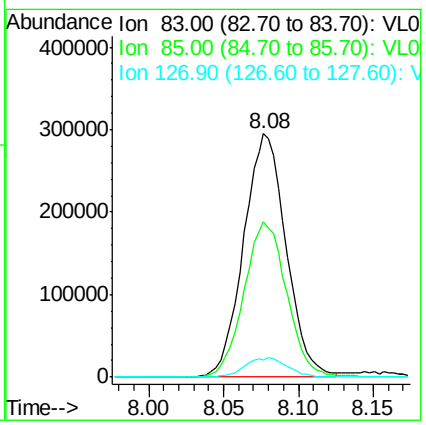
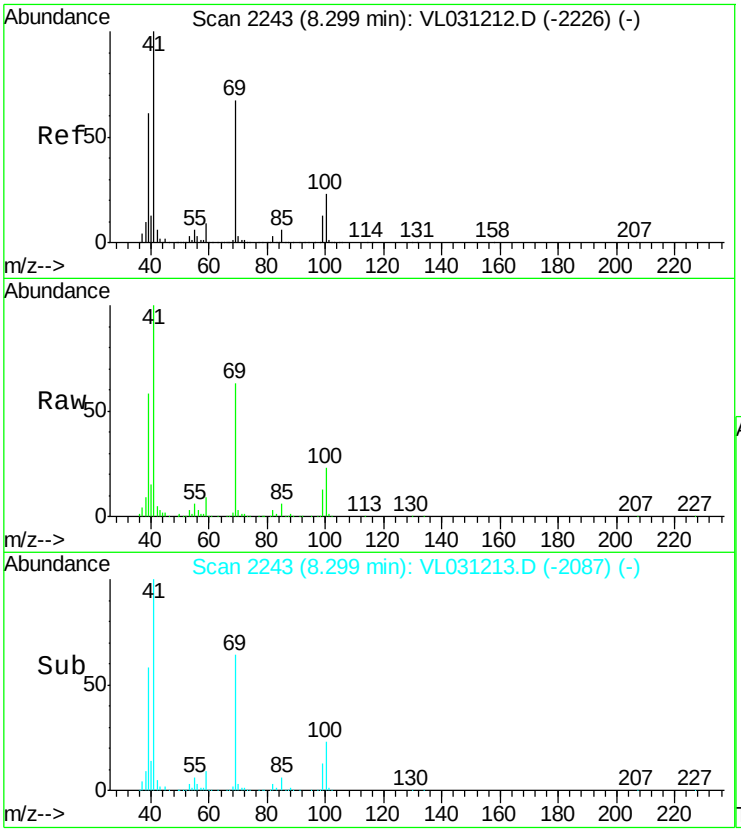


#42
Bromodichloromethane
Concen: 1.93 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 83 Resp: 580175

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3
127	7.0	6.5	9.7

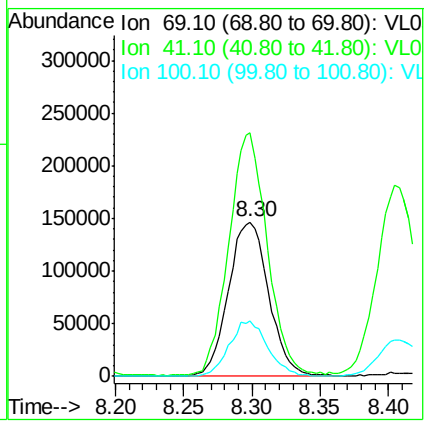




#43
Methyl Methacrylate
Concen: 2.00 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 69 Resp: 300255

Ion	Ratio	Lower	Upper
69	100		
41	149.9	121.1	181.7
100	34.6	27.4	41.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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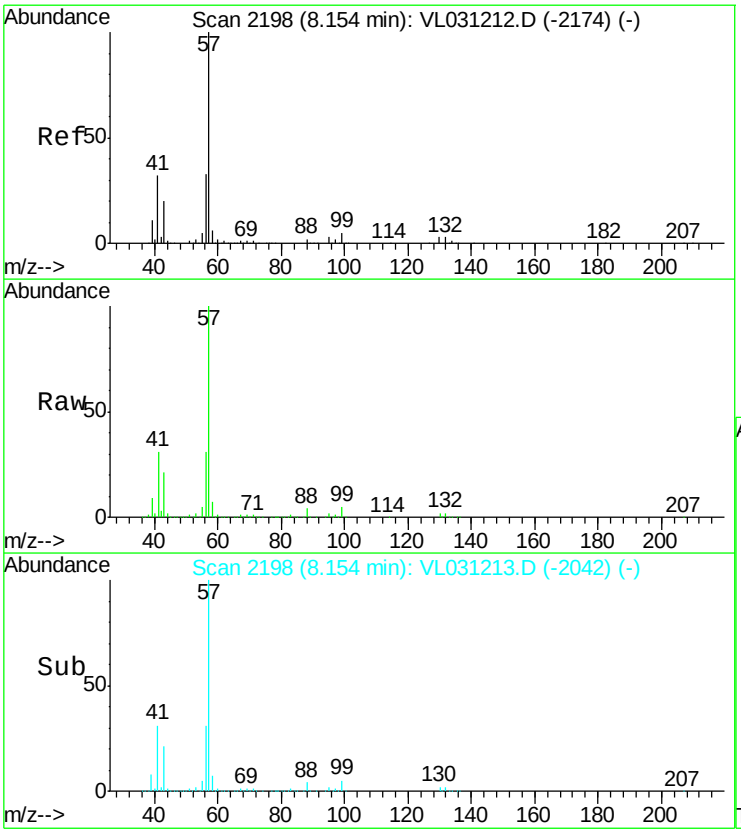
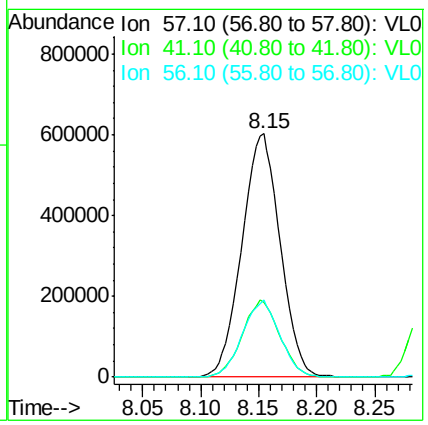
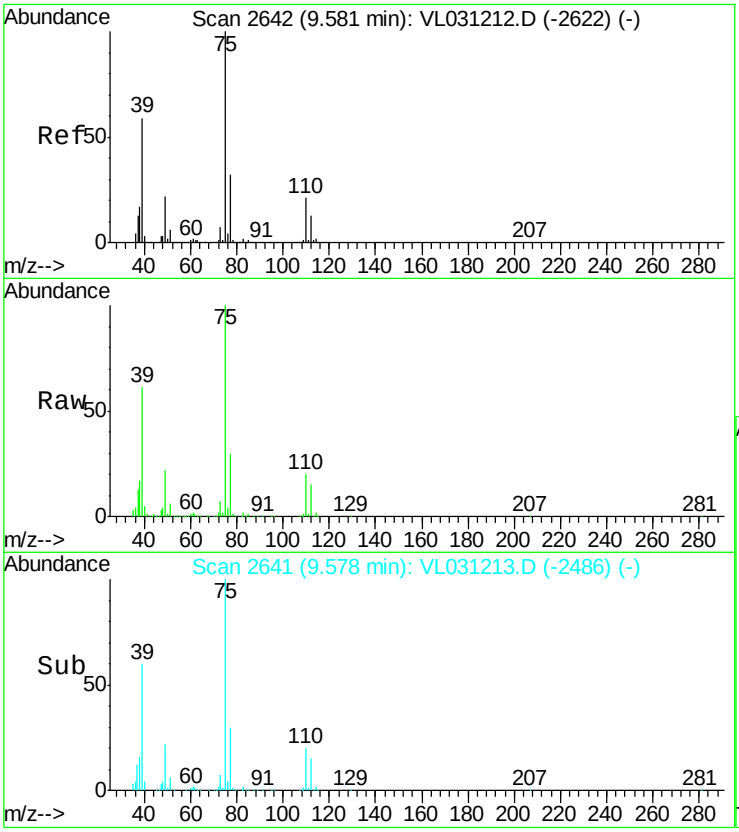


#44
2,2,4-Trimethylpentane
Concen: 1.92 ppbv
RT: 8.15 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 57 Resp: 1381756

Ion	Ratio	Lower	Upper
57	100		
41	31.0	25.5	38.3
56	30.7	25.0	37.6

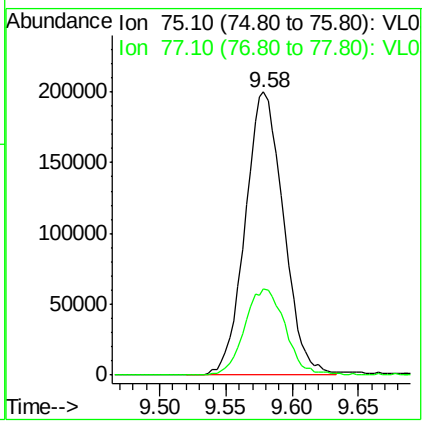




#45
t-1,3-Dichloropropene
Concen: 2.16 ppbv
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 75 Resp: 401680

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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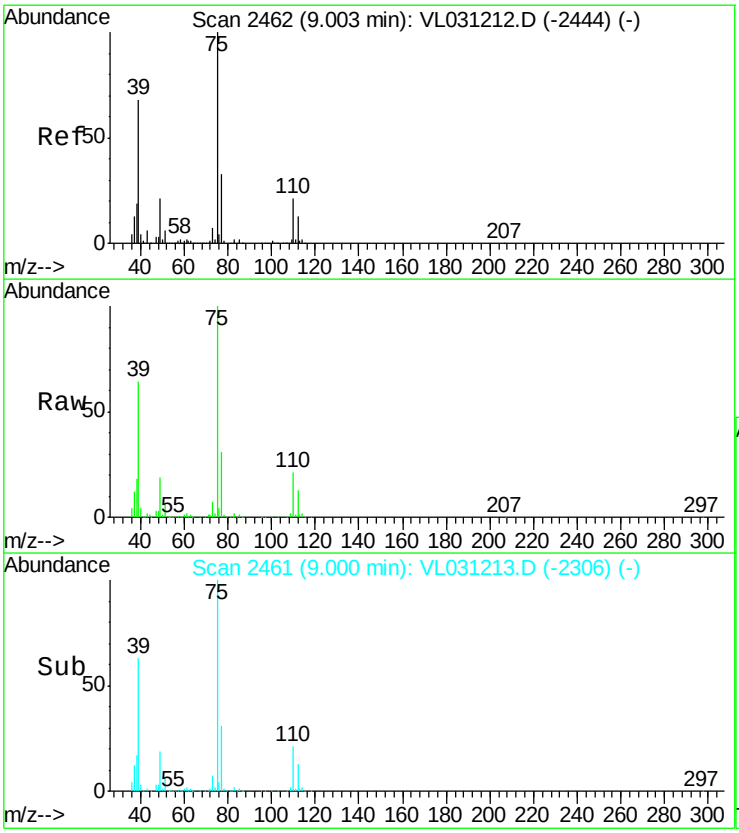
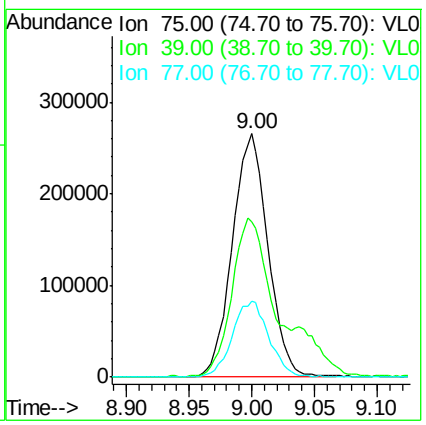
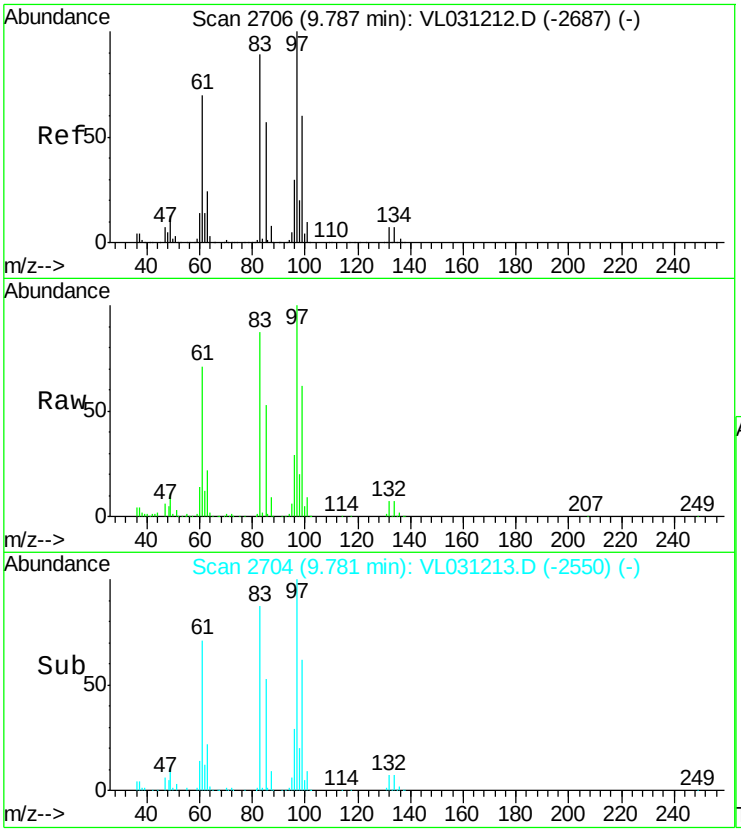


#46
cis-1,3-Dichloropropene
Concen: 2.12 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 75 Resp: 523767

Ion	Ratio	Lower	Upper
75	100		
39	63.4	54.2	81.4
77	31.3	26.2	39.4

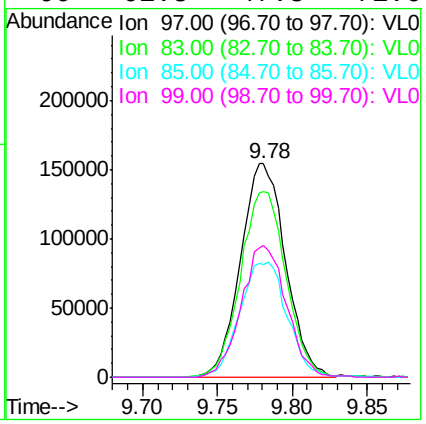




#47
1,1,2-Trichloroethane
Concen: 1.85 ppbv
RT: 9.78 min Scan# 2704
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 97 Resp: 322837

Ion	Ratio	Lower	Upper
97	100		
83	87.2	71.0	106.4
85	52.7	45.3	67.9
99	61.8	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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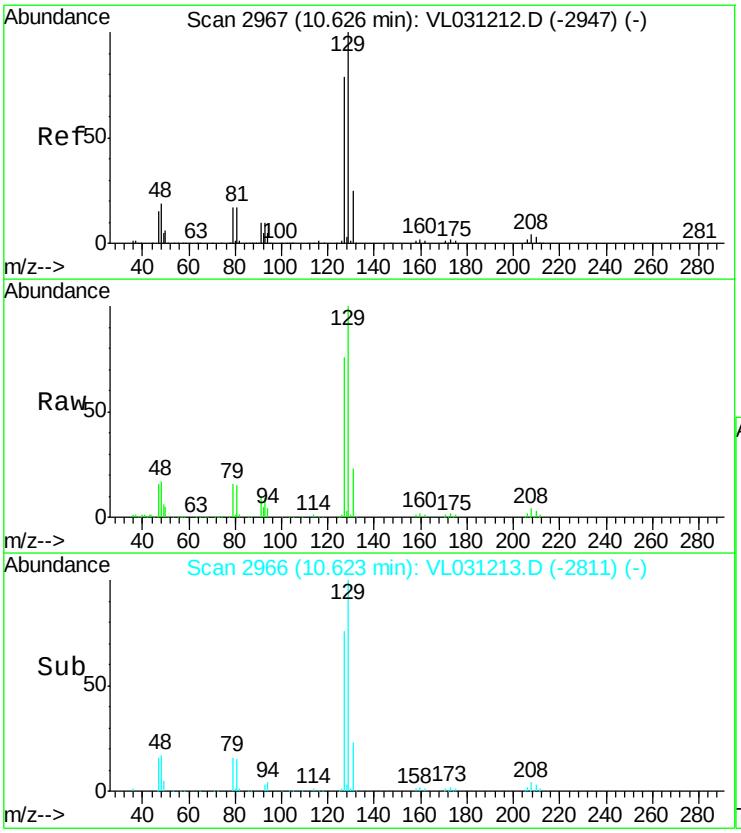
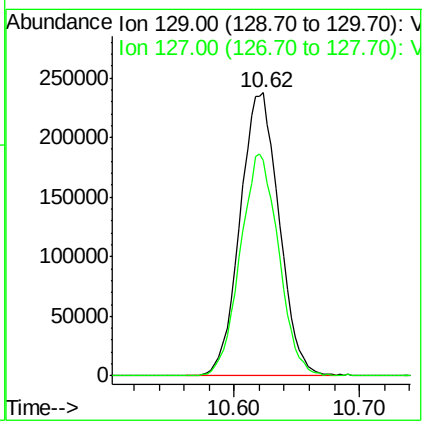
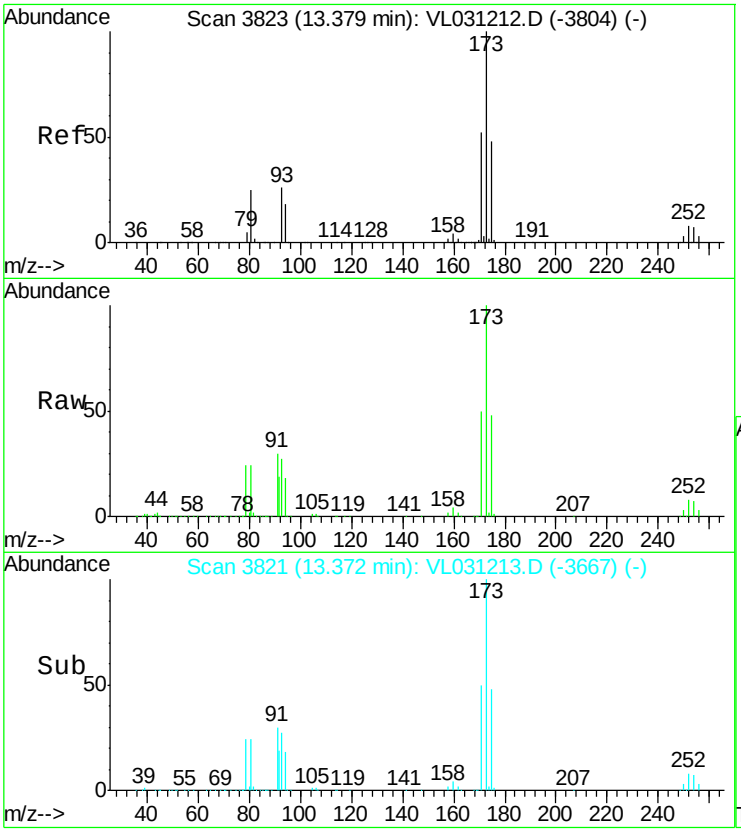


#48
Dibromochloromethane
Concen: 2.19 ppbv
RT: 10.62 min Scan# 2966
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:129 Resp: 513999

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.5

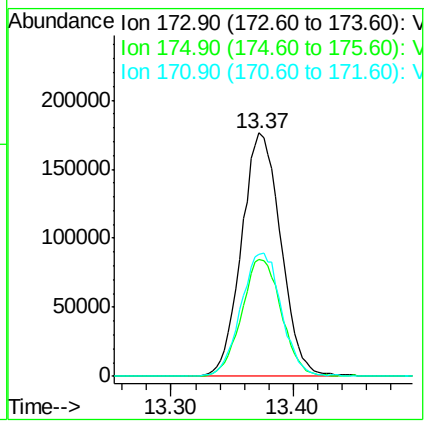




#49
Bromoform
Concen: 2.21 ppbv
RT: 13.37 min Scan# 3821
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:173 Resp: 392165

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	52.2	41.8	62.8



Instrument :
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ClientSampleId :
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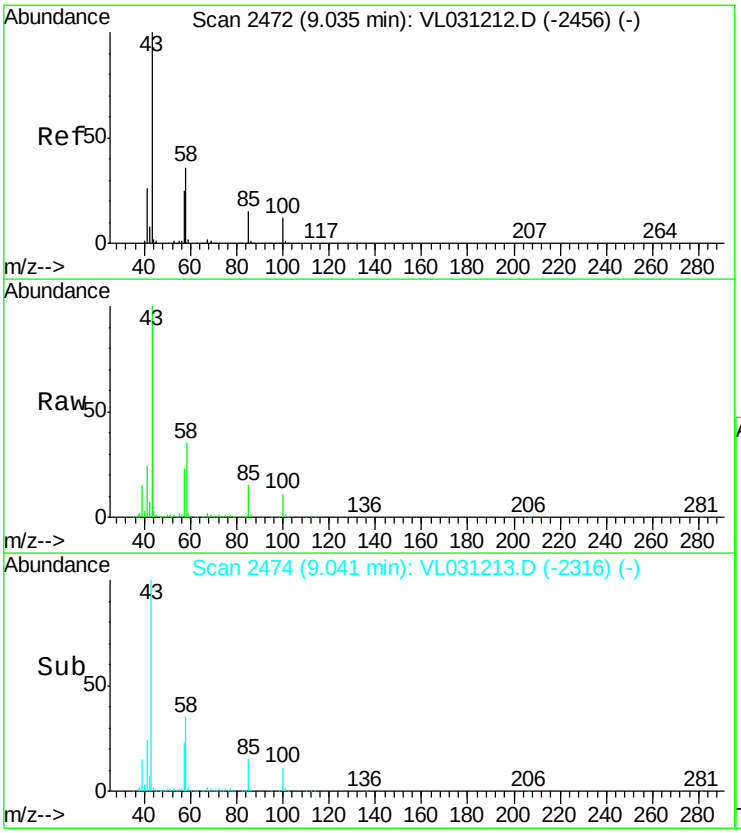
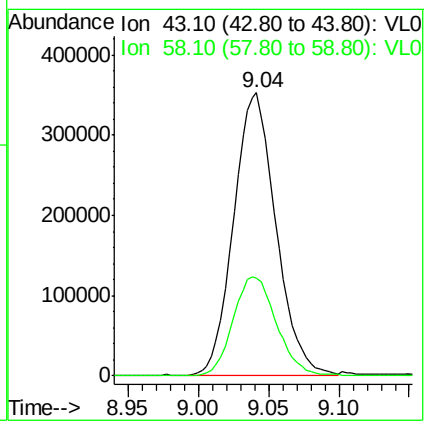
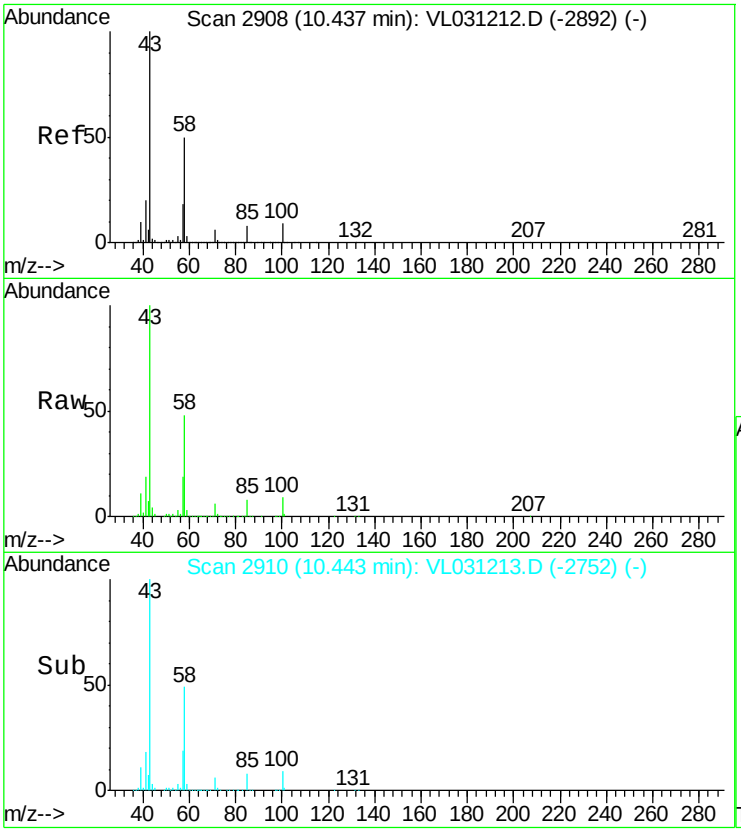


#50
4-Methyl-2-Pentanone
Concen: 1.90 ppbv
RT: 9.04 min Scan# 2474
Delta R.T. 0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 738643

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.8	43.2

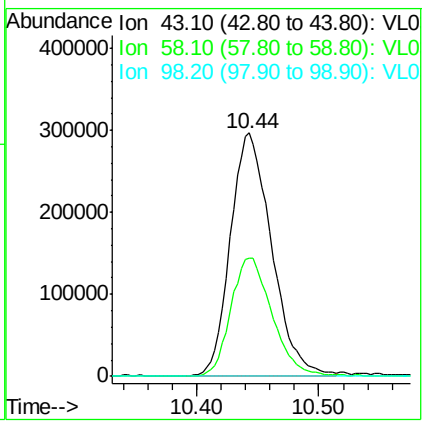




#51
2-Hexanone
Concen: 1.87 ppbv
RT: 10.44 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 43 Resp: 690788

Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.8	59.6
98	0.1	0.0	0.0#



Instrument :
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ClientSampleId :
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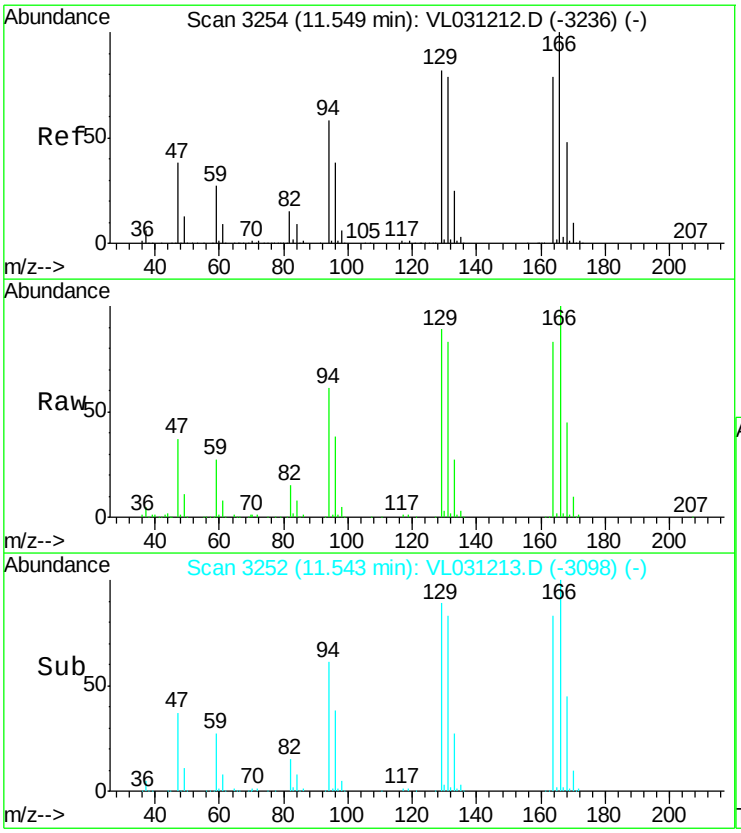
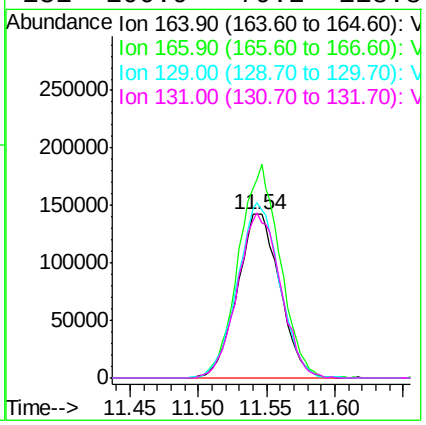
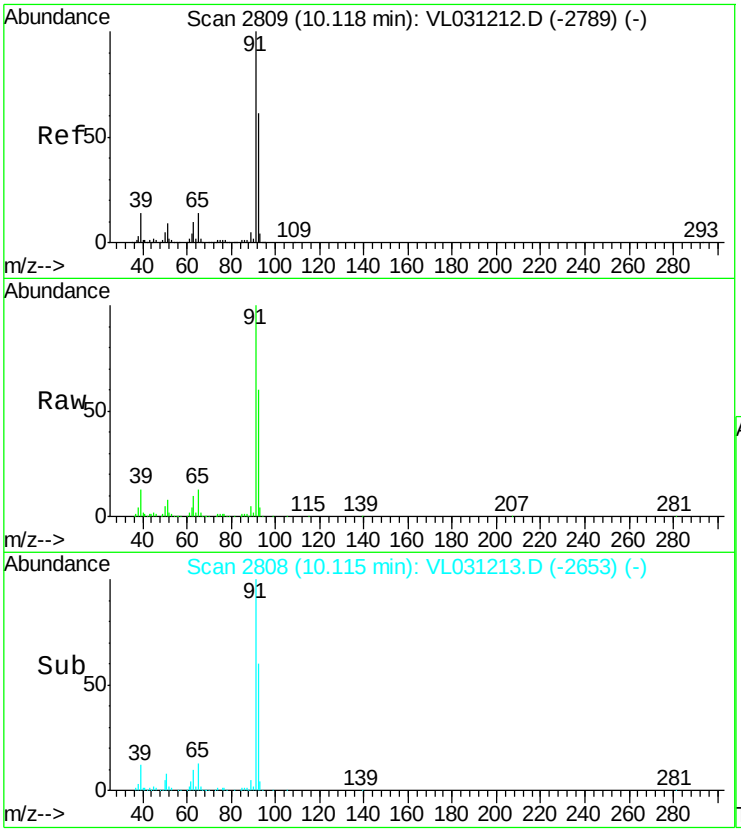


#52
Tetrachloroethene
Concen: 2.01 ppbv
RT: 11.54 min Scan# 3252
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:164 Resp: 307068

Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.6	151.0
129	107.1	82.9	124.3
131	100.9	79.2	118.8





#53
Toluene
Concen: 2.00 ppbv
RT: 10.12 min Scan# 2808
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 973314

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.1	73.7

Instrument :
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ClientSampleId :
VSTDICC002

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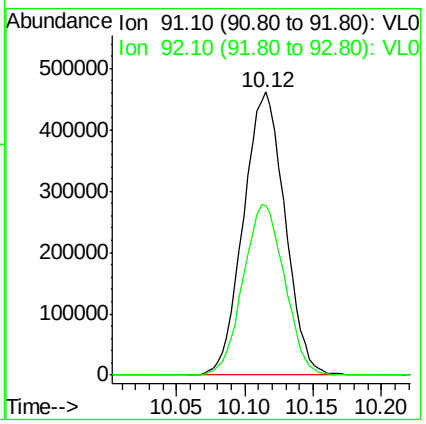
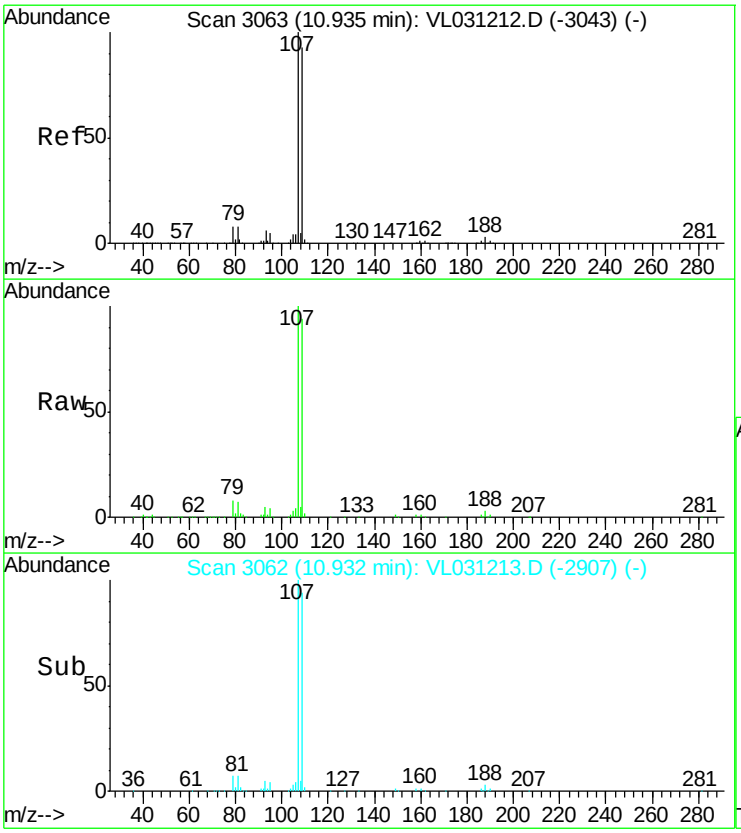
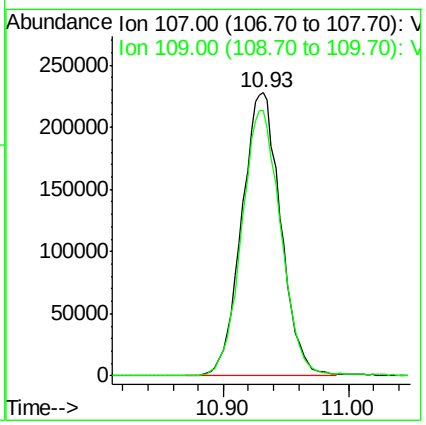


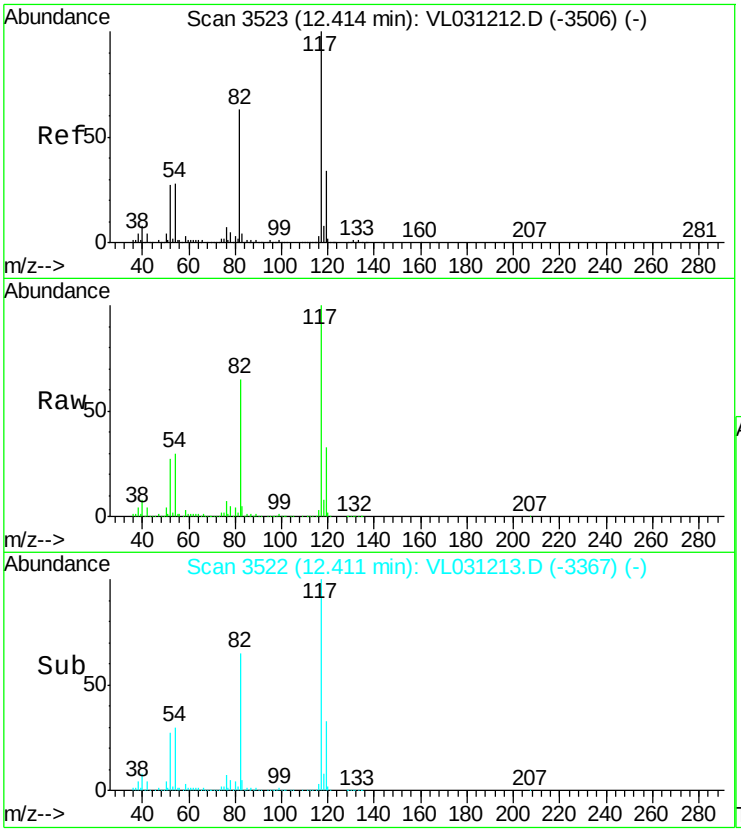


#54
1,2-Dibromoethane
Concen: 1.98 ppbv
RT: 10.93 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:107 Resp: 490805

Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.7	112.1

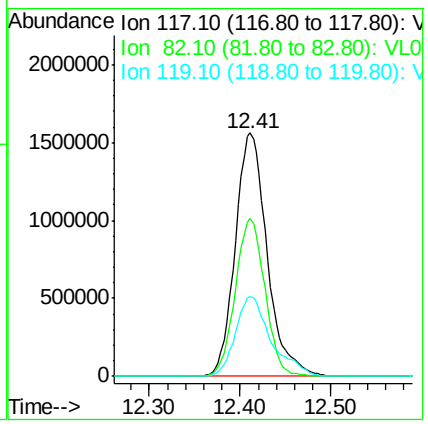




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:117 Resp: 3805142

Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.1	72.1
119	36.7	23.1	34.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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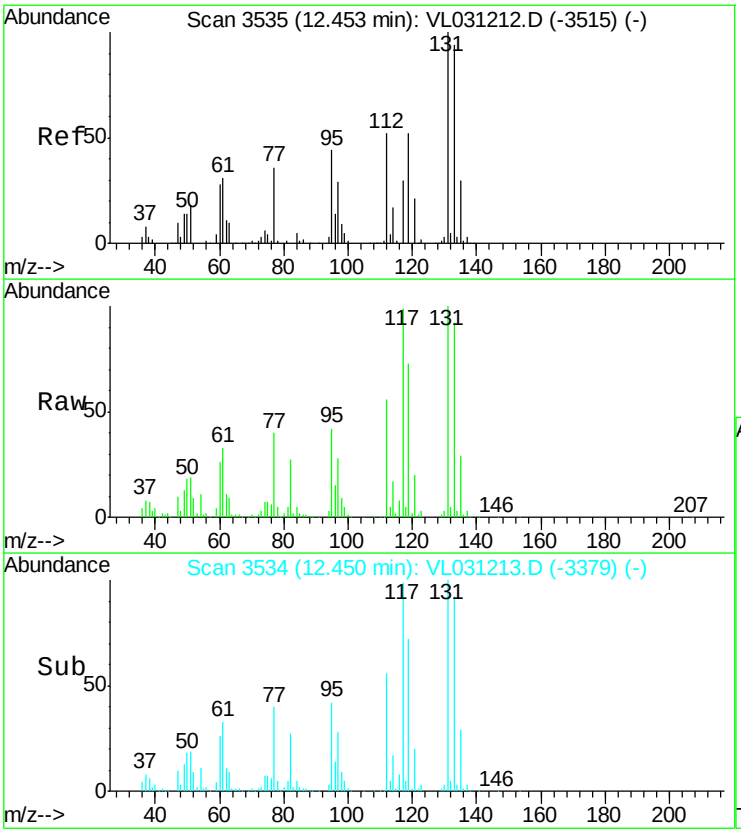
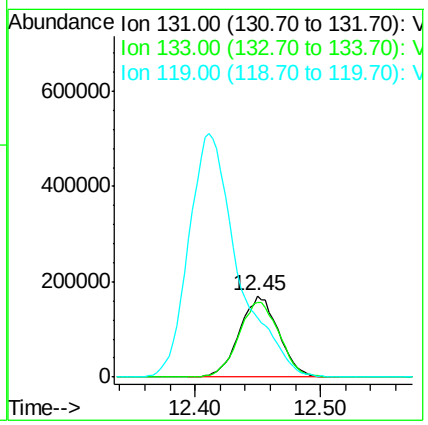
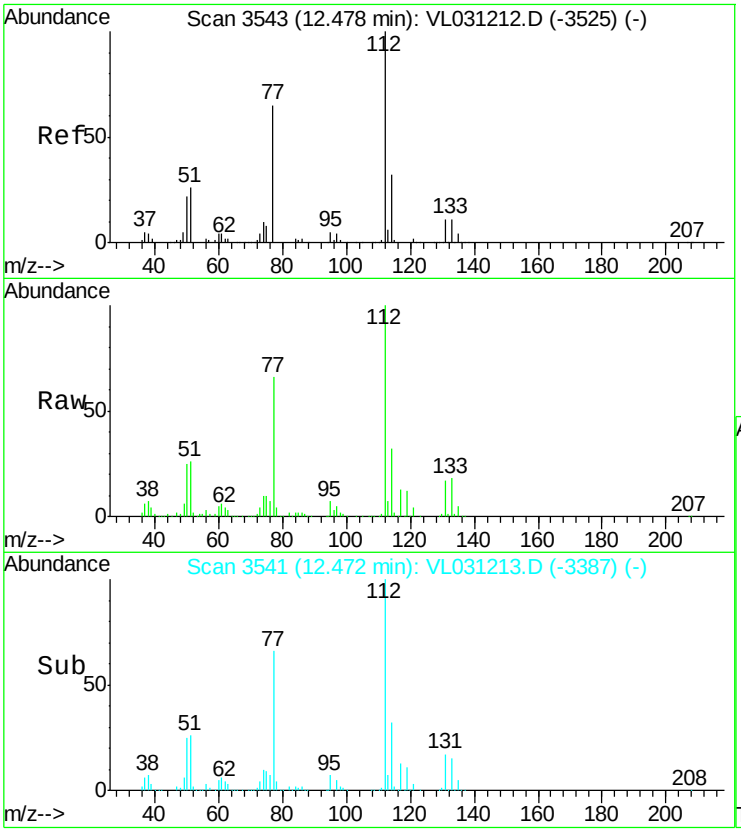


#56
1,1,1,2-Tetrachloroethane
Concen: 2.38 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:131 Resp: 370749

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.1	114.1
119	378.1	108.5	162.7#

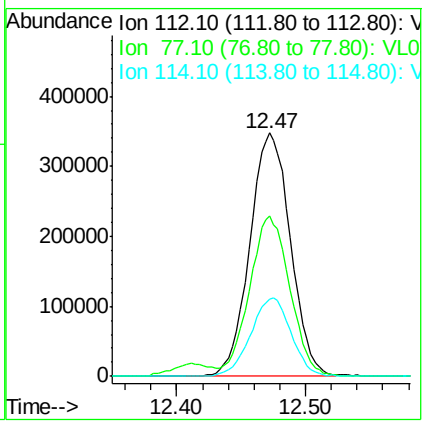




#57
Chlorobenzene
Concen: 2.05 ppbv
RT: 12.47 min Scan# 3541
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:112 Resp: 761583

Ion	Ratio	Lower	Upper
112	100		
77	65.2	52.9	79.3
114	31.8	29.1	35.5



Instrument :
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ClientSampleId :
VSTDICC002

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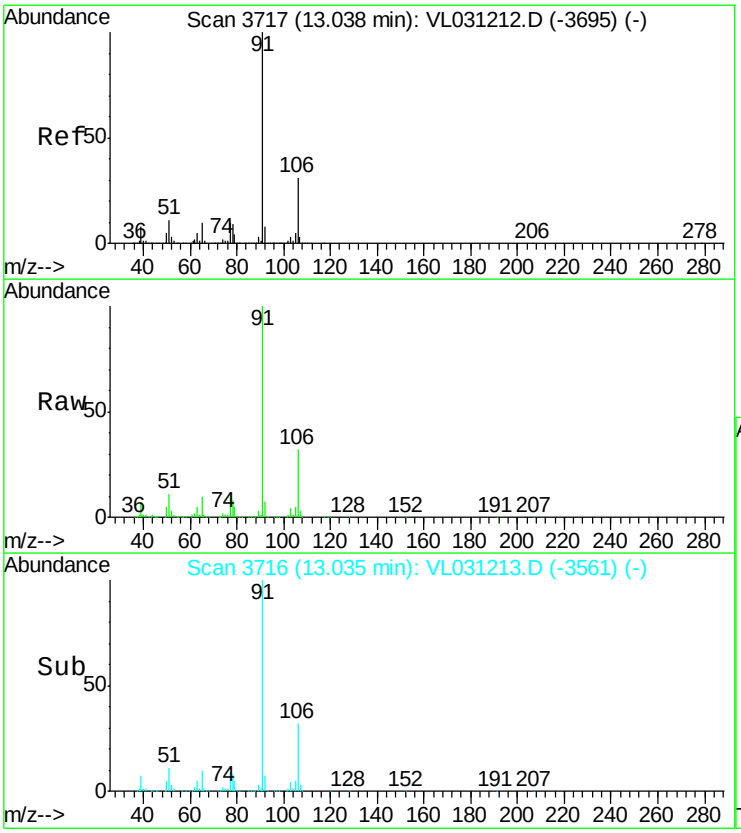
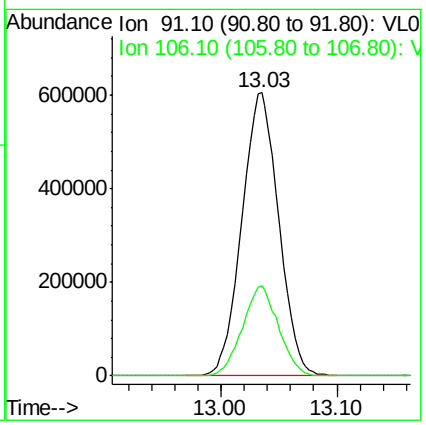
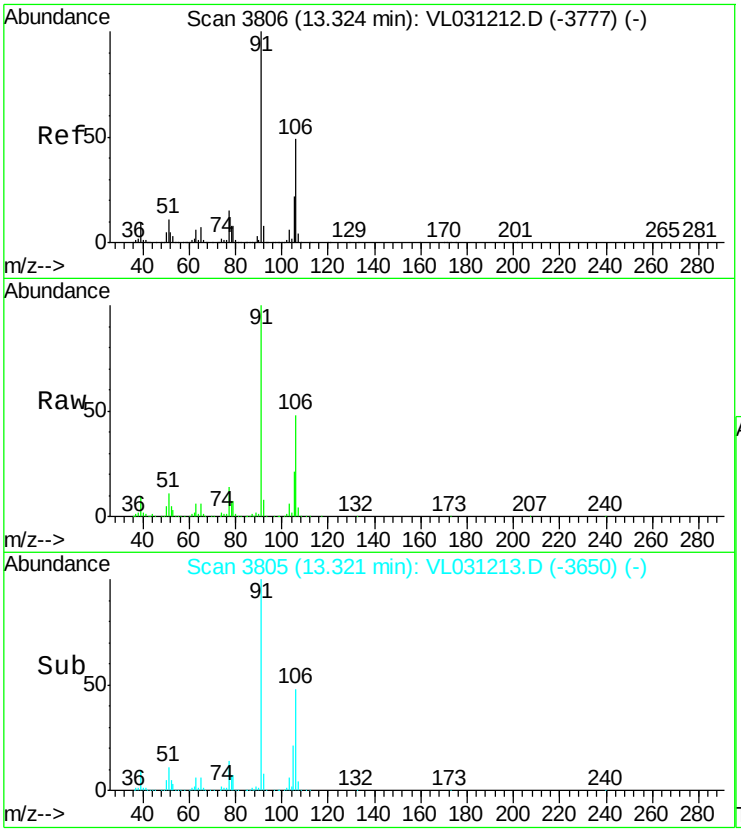


#58
Ethyl Benzene
Concen: 2.05 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 1335036

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.1	37.7

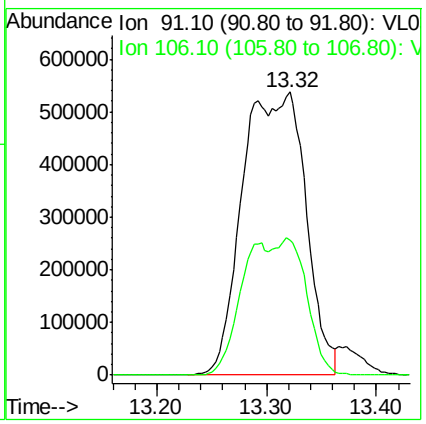




#59
m/p-Xylene
Concen: 3.91 ppbv m
RT: 13.32 min Scan# 3805
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 2146962

Ion	Ratio	Lower	Upper
91	100		
106	48.3	38.5	57.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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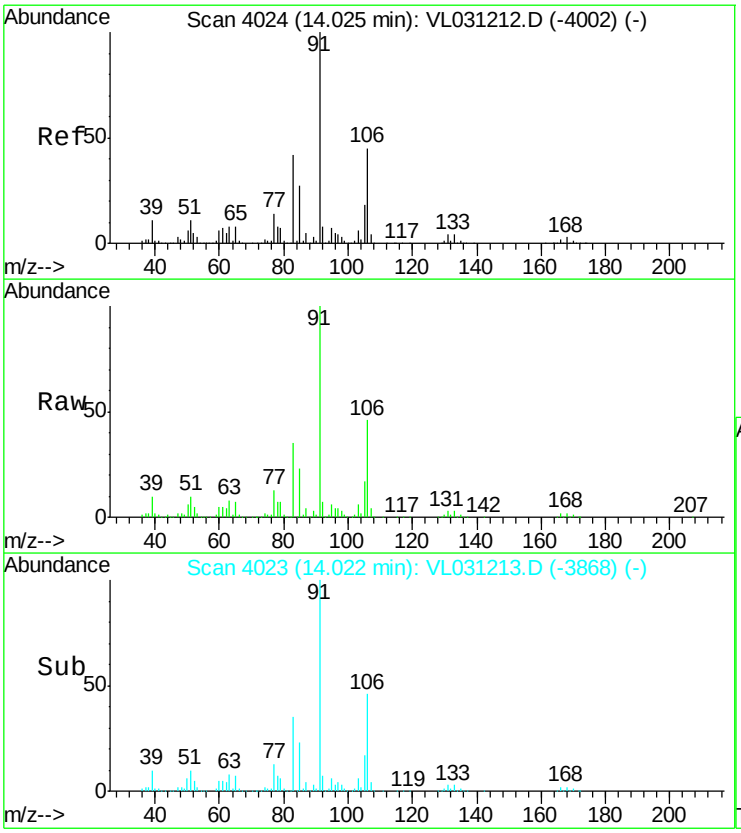
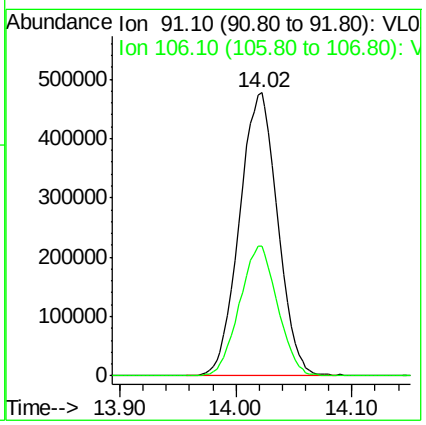
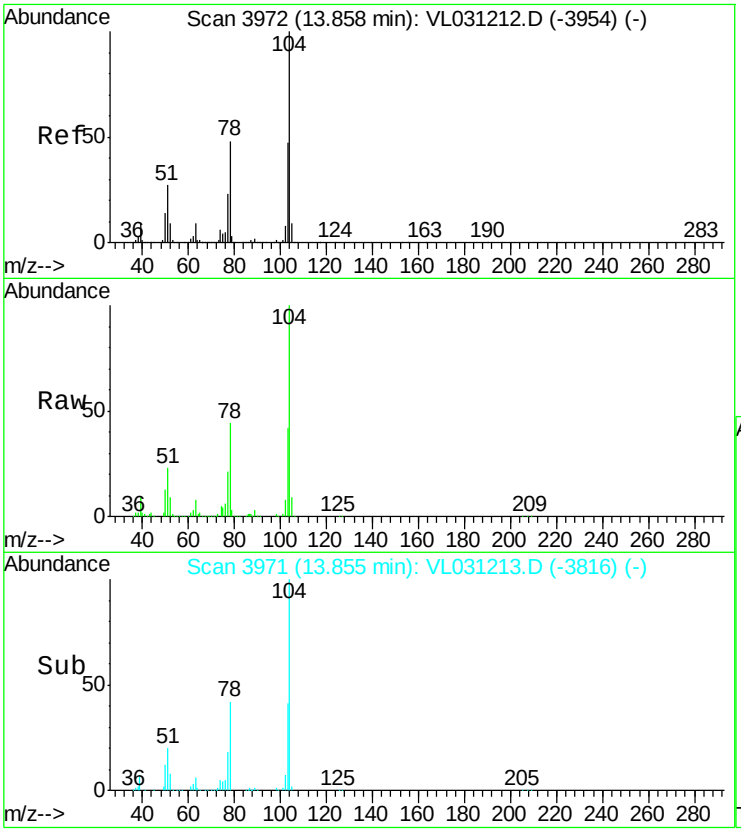


#60
o-Xylene
Concen: 2.00 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 1093558

Ion	Ratio	Lower	Upper
91	100		
106	45.6	22.7	68.1

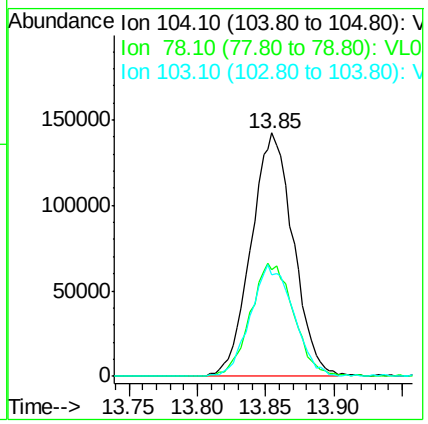




#61
Stvrene
Concen: 2.22 ppbv
RT: 13.85 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:104 Resp: 305564

Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.1	58.7
103	46.7	37.3	55.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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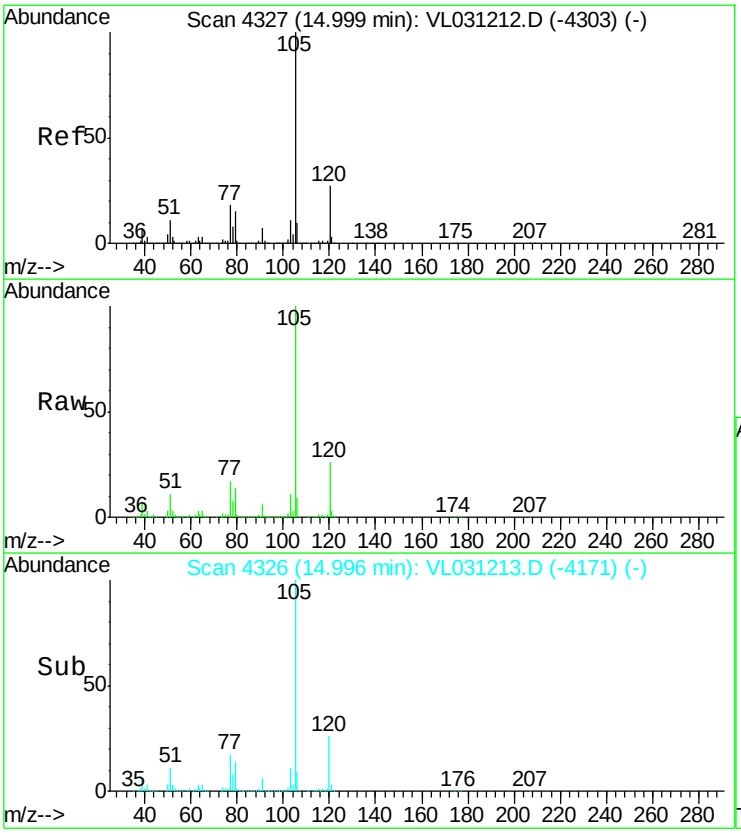
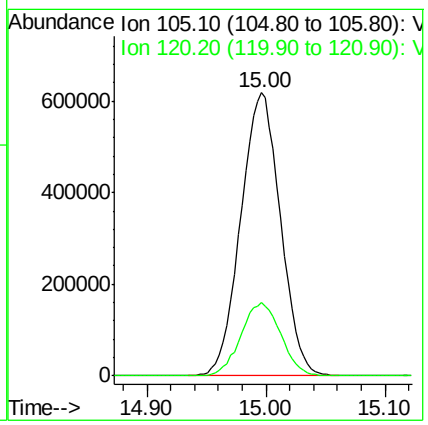
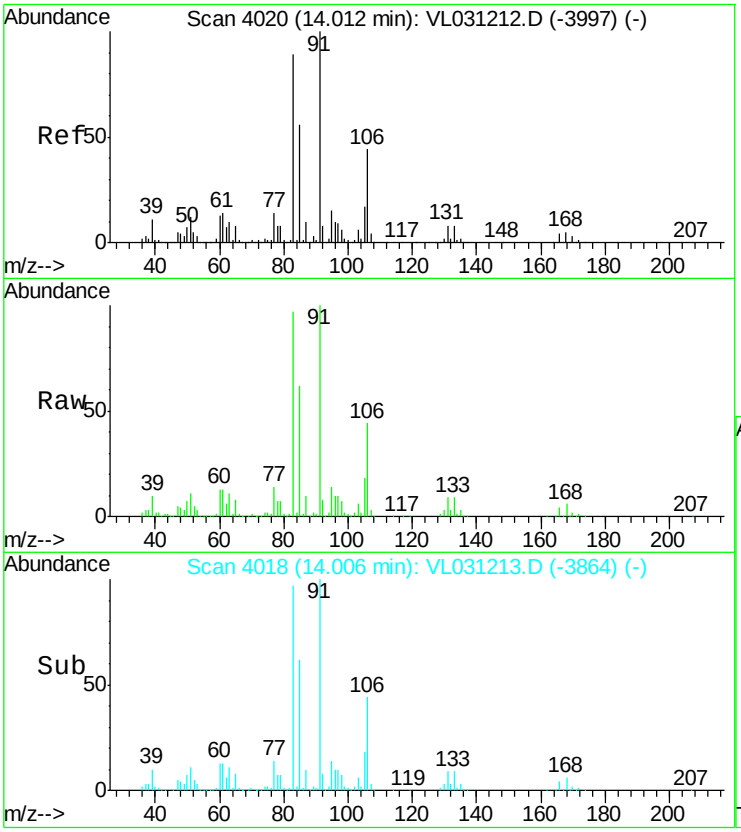


#62
Isopropylbenzene
Concen: 2.18 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:105 Resp: 1426027

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.6

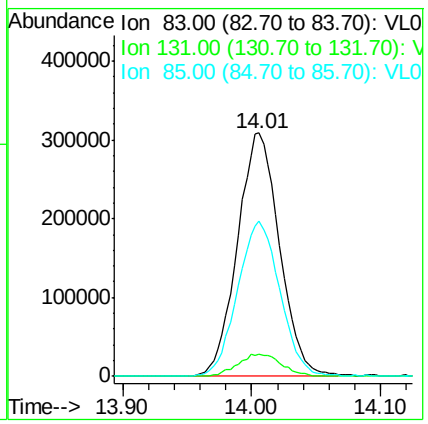




#63
1,1,2,2-Tetrachloroethane
Concen: 1.64 ppbv
RT: 14.01 min Scan# 4018
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 83 Resp: 699025

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.6	32.1	96.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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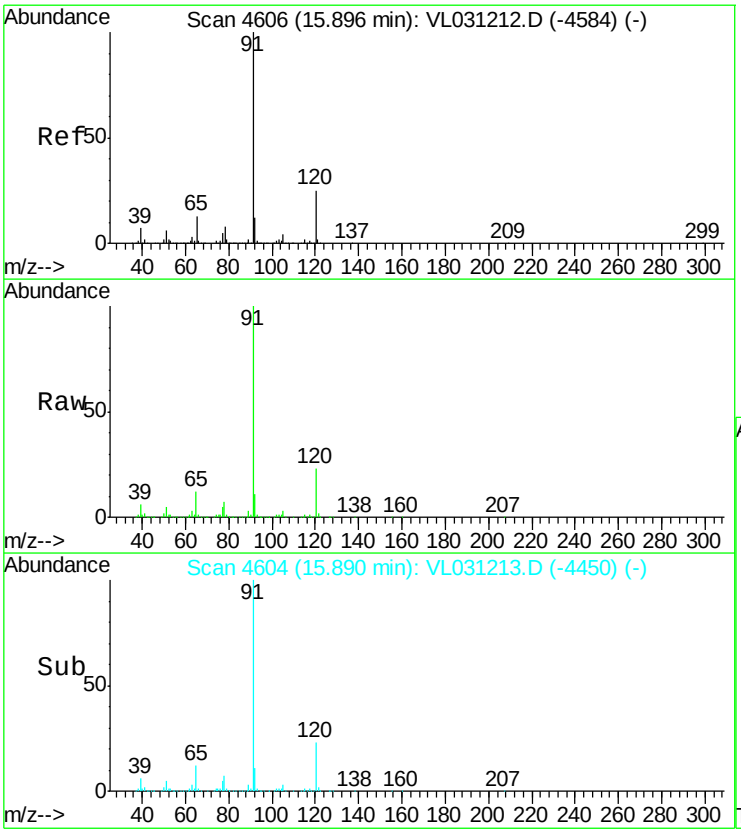
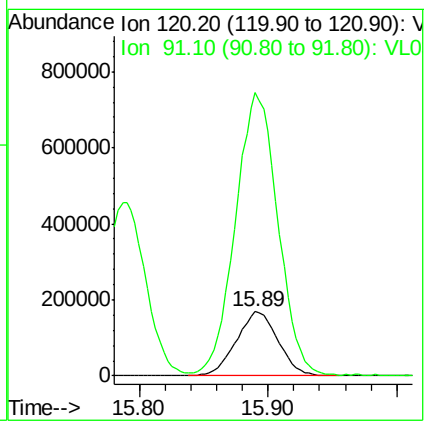
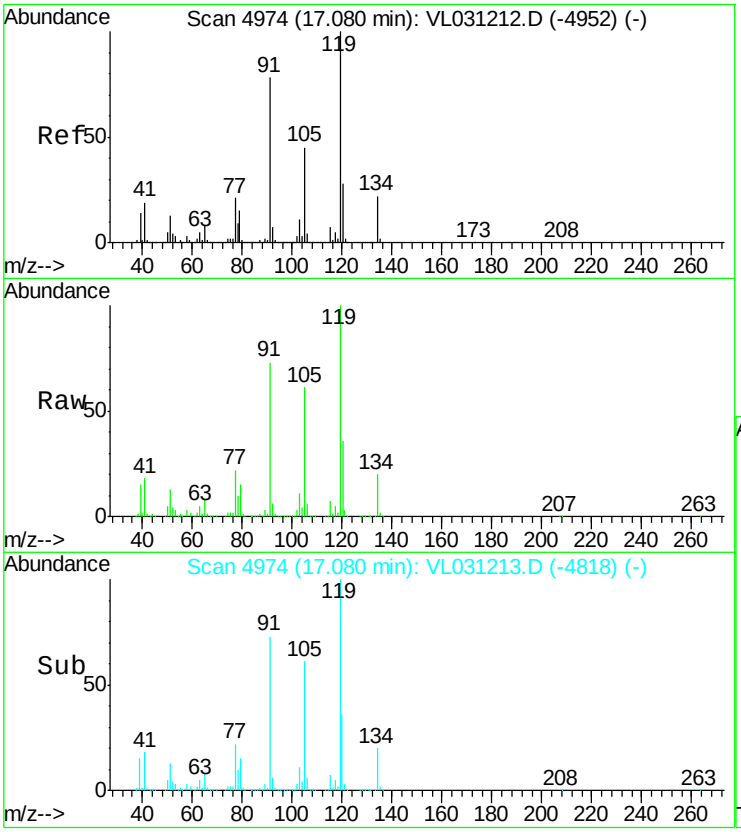


#64
n-propylbenzene
Concen: 2.13 ppbv
RT: 15.89 min Scan# 4604
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:120 Resp: 380802

Ion	Ratio	Lower	Upper
120	100		
91	450.4	352.1	528.1

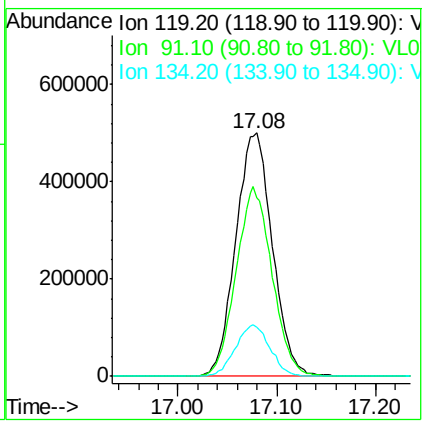




#65
tert-Butylbenzene
Concen: 2.23 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:119 Resp: 1283372

Ion	Ratio	Lower	Upper
119	100		
91	76.7	63.3	94.9
134	19.9	16.1	24.1



Instrument :
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ClientSampleId :
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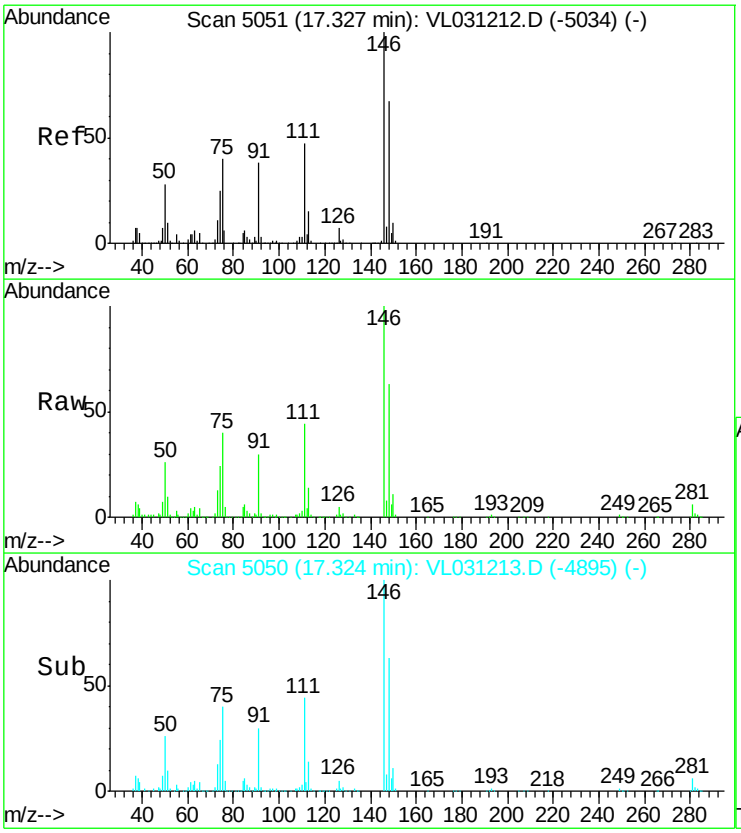
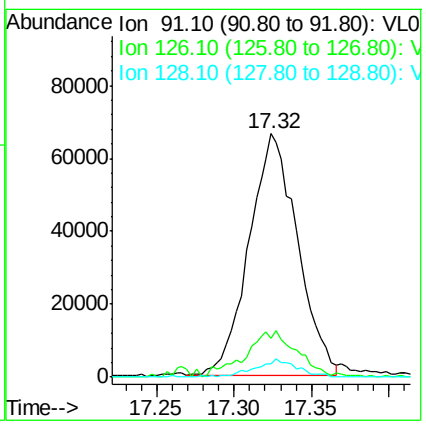
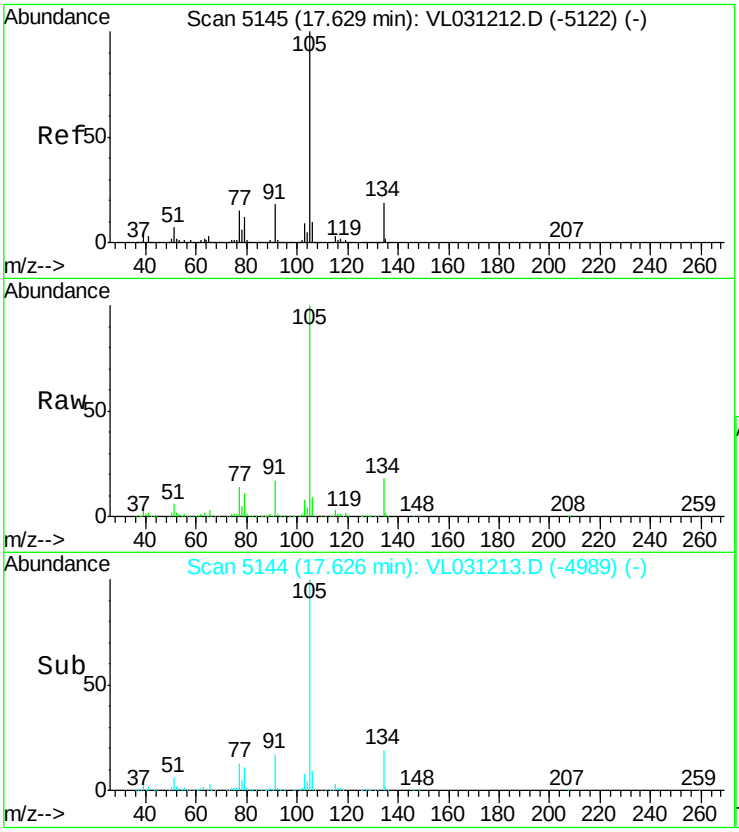


#66
Benzyl Chloride
Concen: 2.92 ppbv
RT: 17.32 min Scan# 5050
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 143485

Ion	Ratio	Lower	Upper
91	100		
126	22.7	15.2	22.8
128	6.7	4.9	7.3





#67
sec-Butylbenzene
Concen: 2.01 ppbv
RT: 17.63 min Scan# 5144
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:105 Resp: 1744871

Ion	Ratio	Lower	Upper
105	100		
134	18.5	15.3	22.9

Instrument :
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ClientSampleId :
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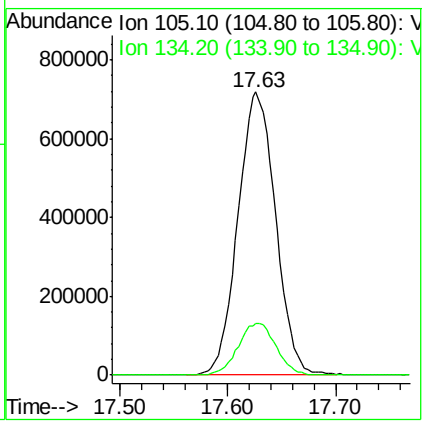
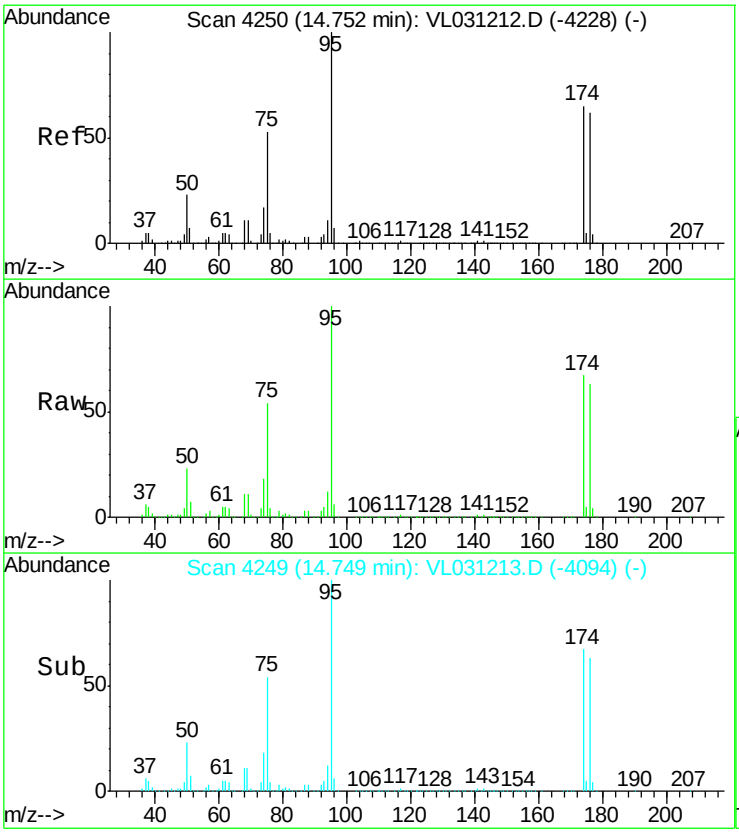
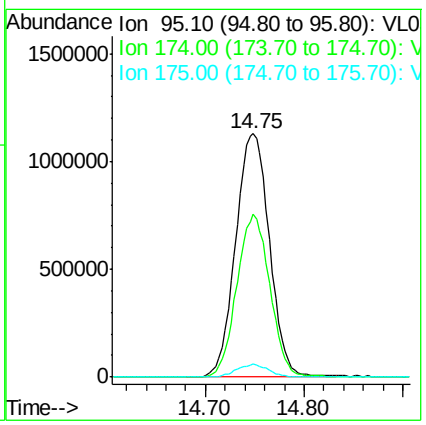


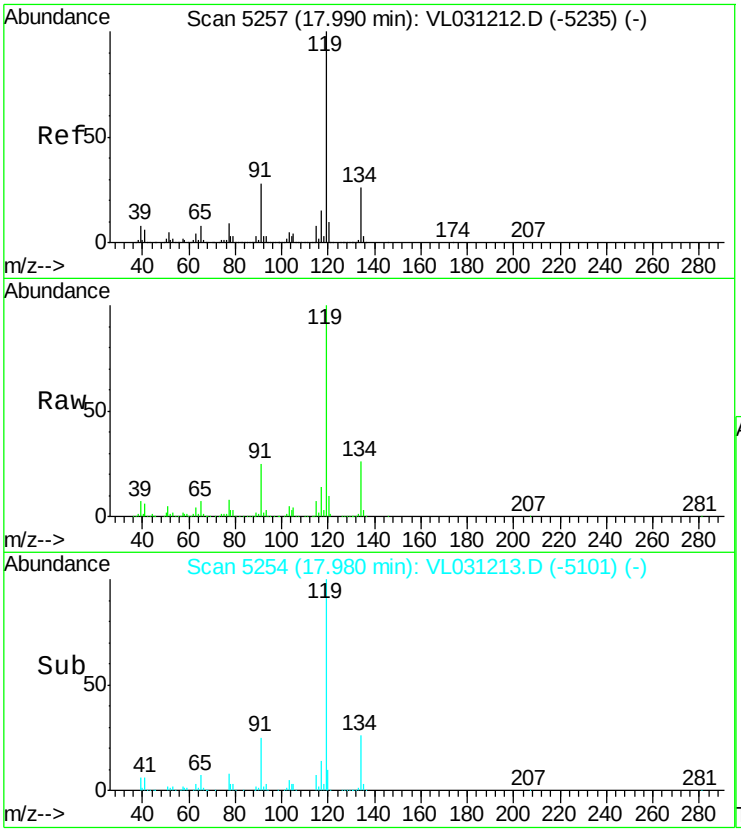


#68
1-Bromo-4-Fluorobenzene
Concen: 9.12 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 95 Resp: 2681505

Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.5	78.7
175	5.0	4.1	6.1

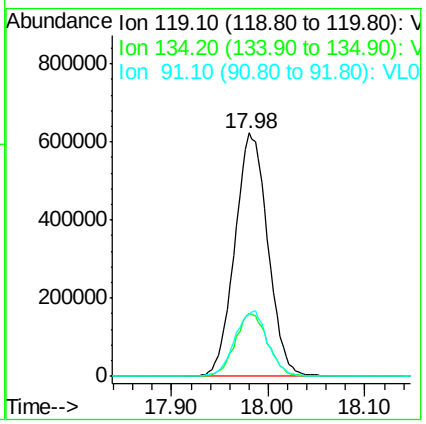




#69
p-Isopropyltoluene
Concen: 2.20 ppbv
RT: 17.98 min Scan# 5254
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:119 Resp: 1475270

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.7	31.1
91	26.9	22.3	33.5



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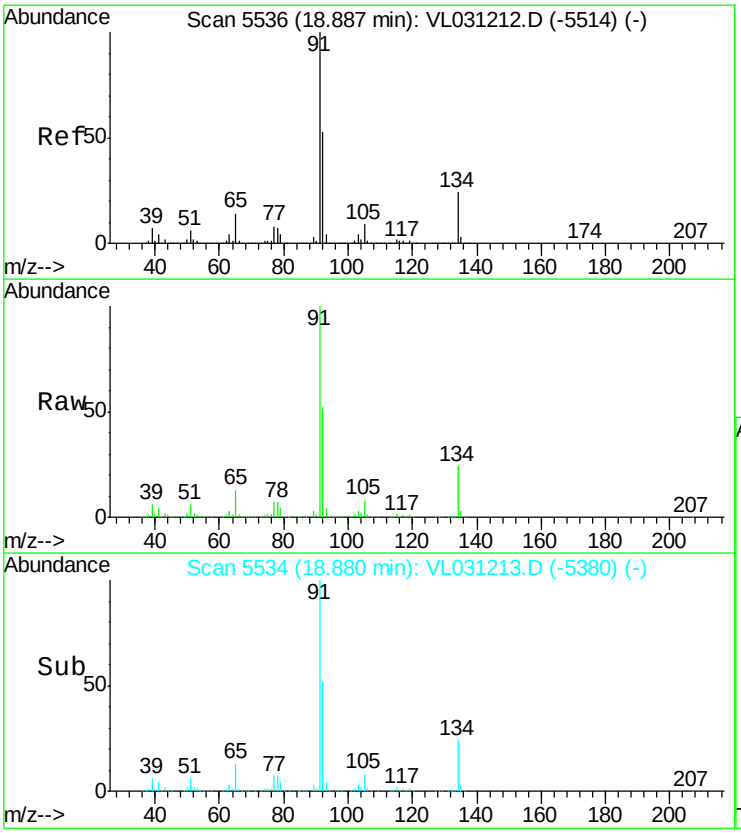
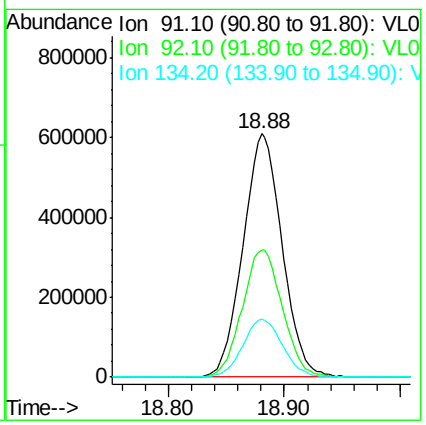
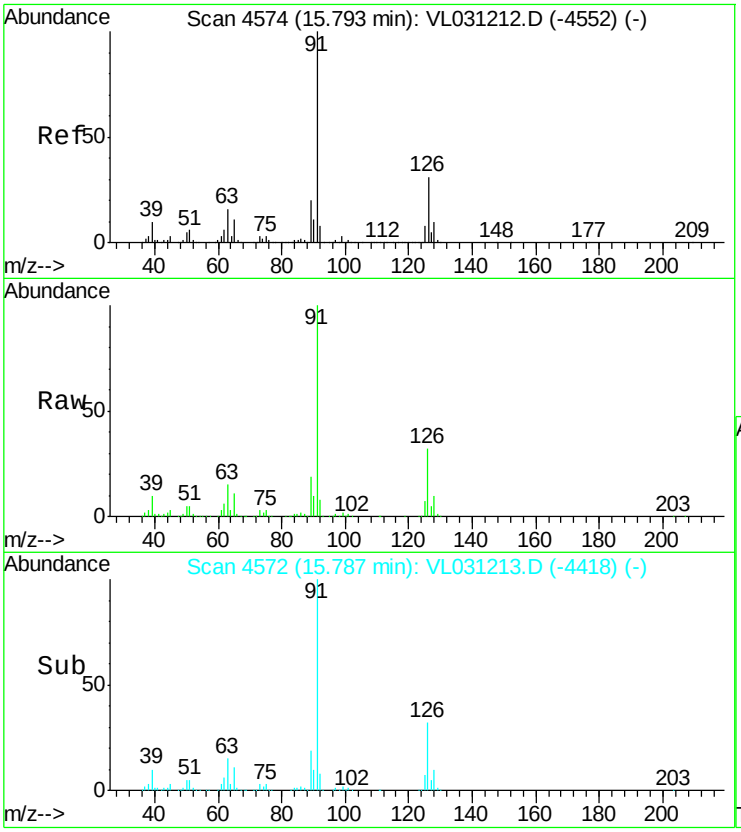


#70
n-Butylbenzene
Concen: 1.93 ppbv
RT: 18.88 min Scan# 5534
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 1425409

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.4	65.2
134	24.3	19.3	28.9

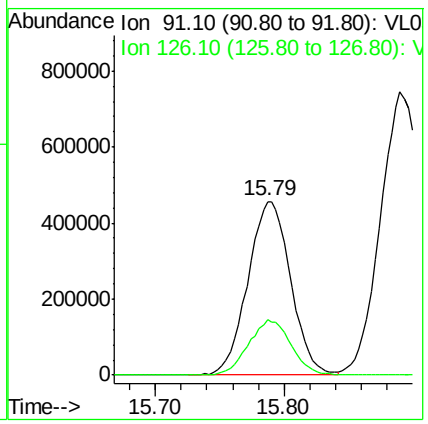




#71
2-Chlorotoluene
Concen: 2.00 ppbv
RT: 15.79 min Scan# 4572
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion: 91 Resp: 1053590

Ion	Ratio	Lower	Upper
91	100		
126	31.6	12.6	50.6



Instrument :
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ClientSampleId :
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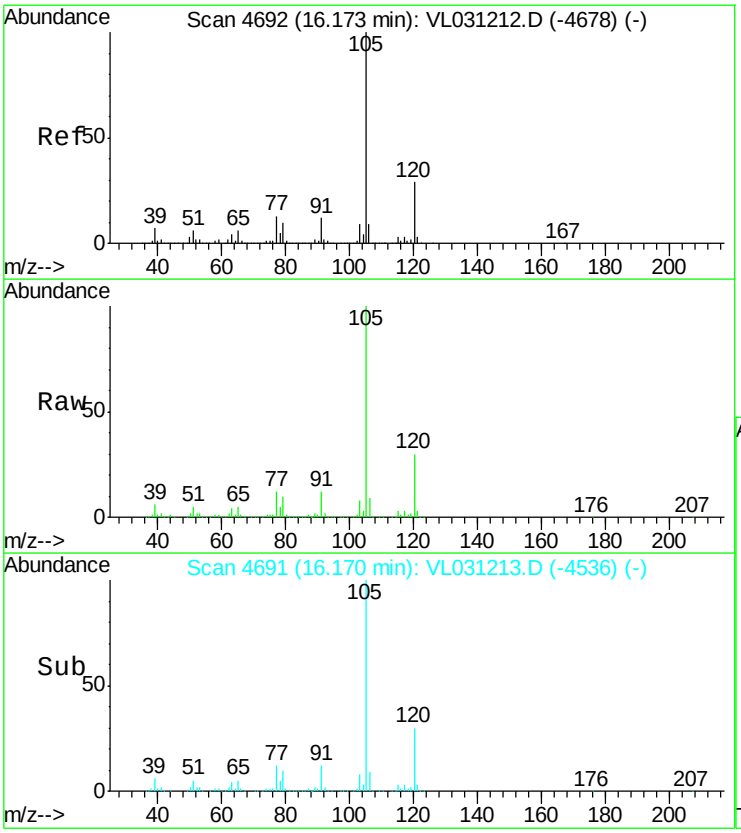
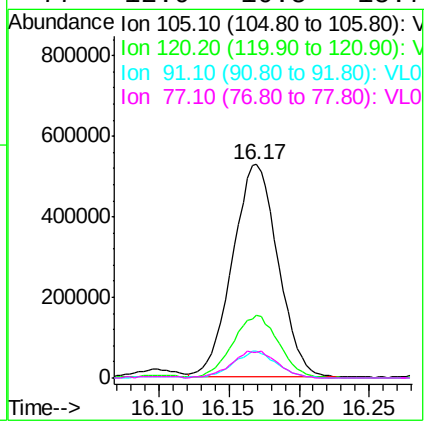
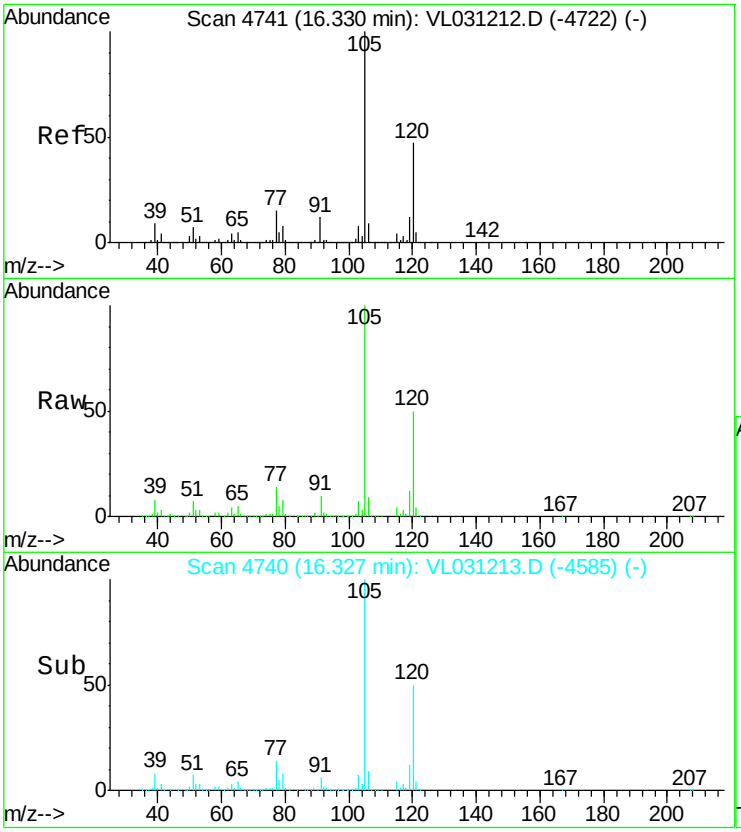


#72
4-Ethyltoluene
Concen: 2.15 ppbv
RT: 16.17 min Scan# 4691
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:105 Resp: 1187181

Ion	Ratio	Lower	Upper
105	100		
120	30.0	24.2	36.2
91	11.9	9.8	14.8
77	12.9	10.5	15.7

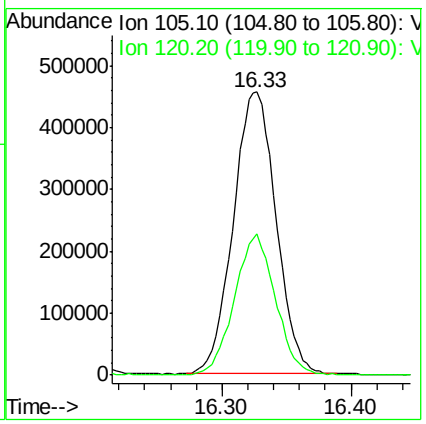




#73
1,3,5-Trimethylbenzene
Concen: 2.06 ppbv
RT: 16.33 min Scan# 4740
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:105 Resp: 1051493

Ion	Ratio	Lower	Upper
105	100		
120	49.7	37.8	56.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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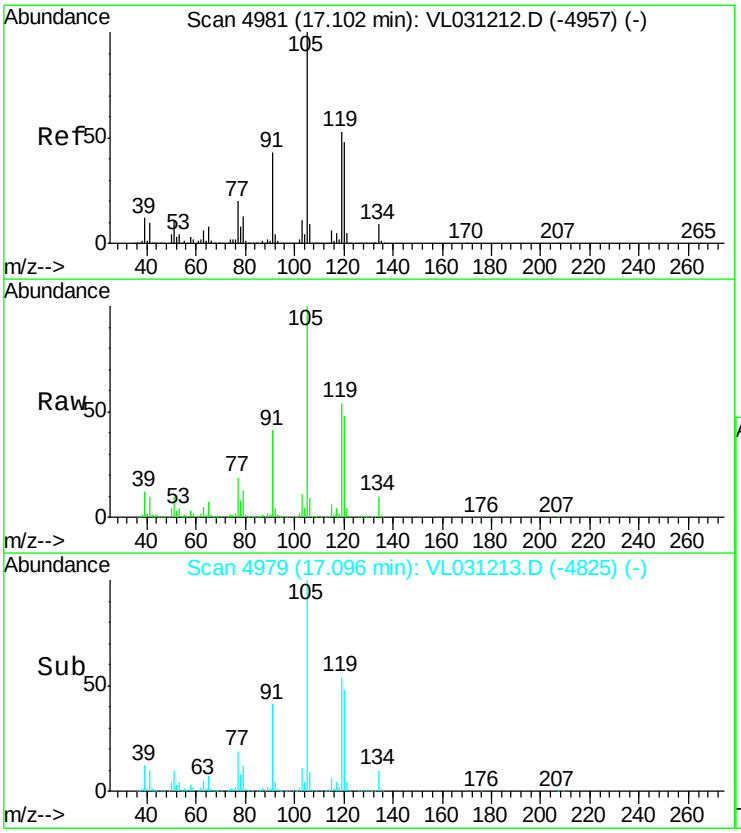
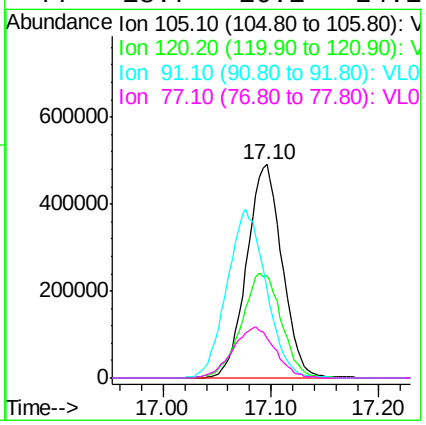
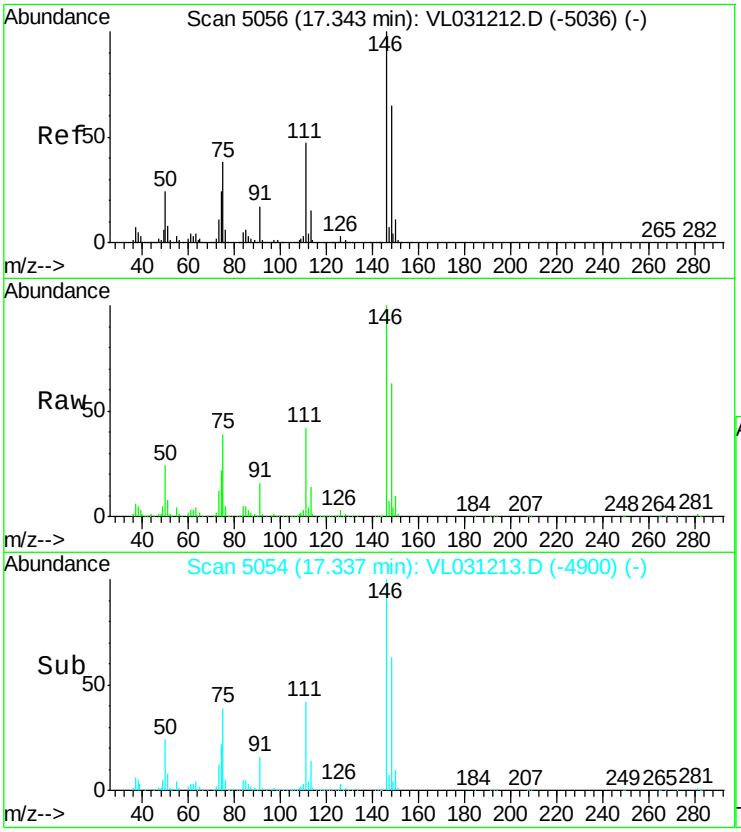


#74
1,2,4-Trimethylbenzene
Concen: 1.99 ppbv
RT: 17.10 min Scan# 4979
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:105 Resp: 1117556

Ion	Ratio	Lower	Upper
105	100		
120	48.2	38.6	58.0
91	41.0	34.2	51.4
77	18.7	16.1	24.1

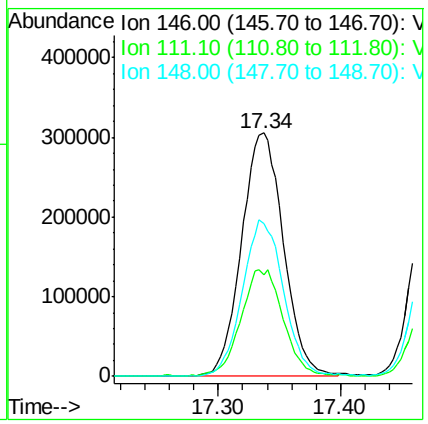




#75
1,3-Dichlorobenzene
Concen: 2.04 ppbv
RT: 17.34 min Scan# 5054
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:146 Resp: 724853

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.7	68.1
148	63.5	32.0	96.2



Instrument :
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ClientSampleId :
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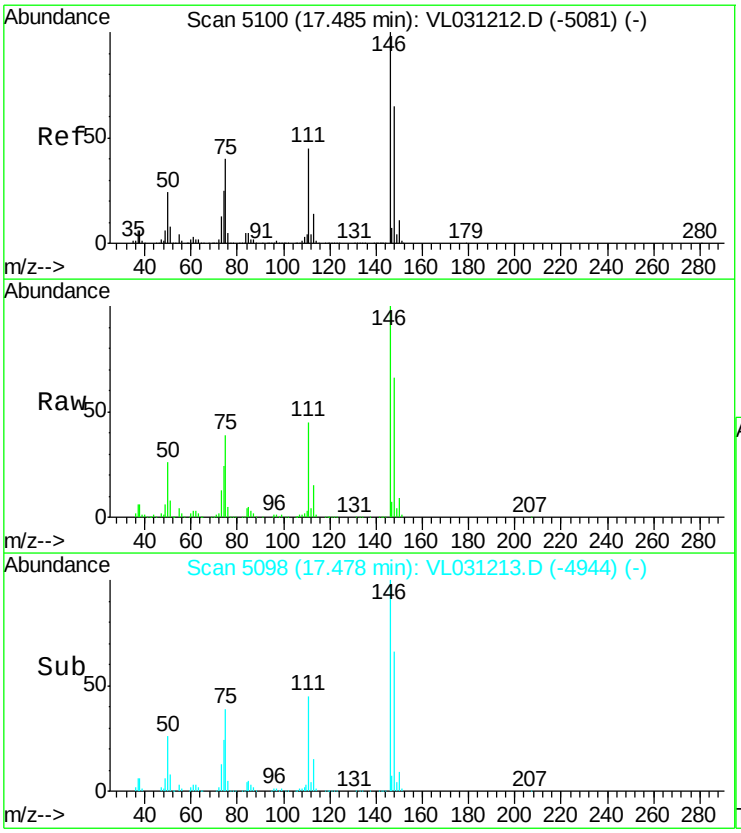
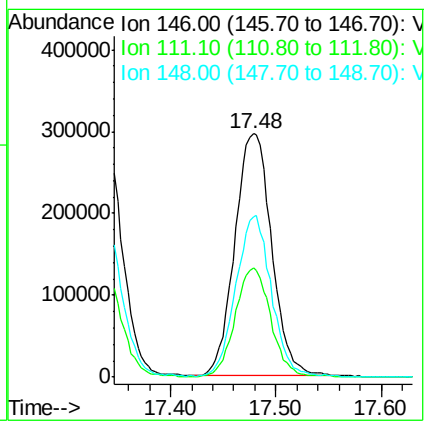
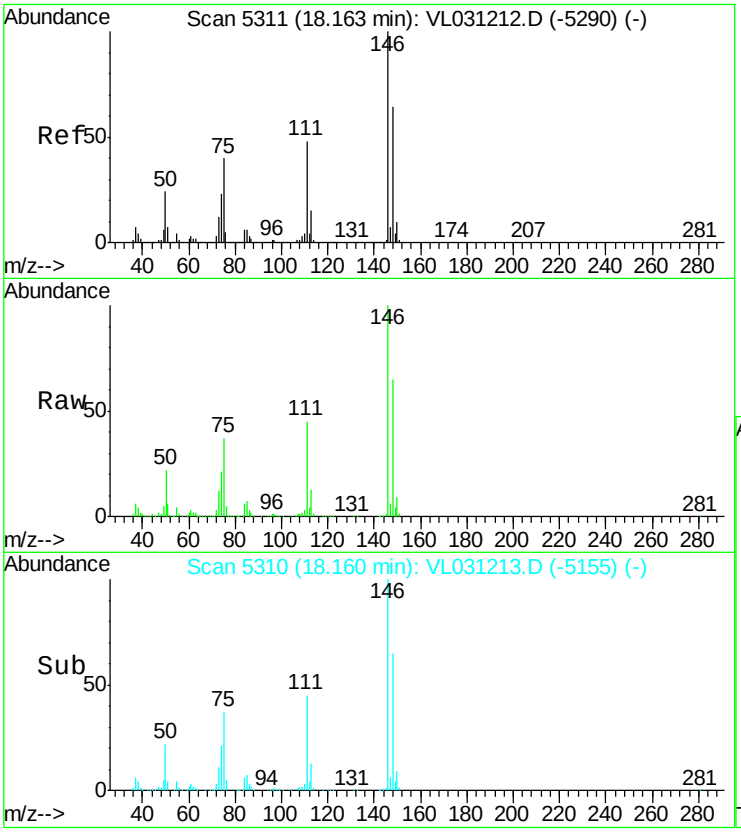


#76
1,4-Dichlorobenzene
Concen: 2.00 ppbv
RT: 17.48 min Scan# 5098
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:146 Resp: 715903

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.1
148	64.9	32.0	96.0

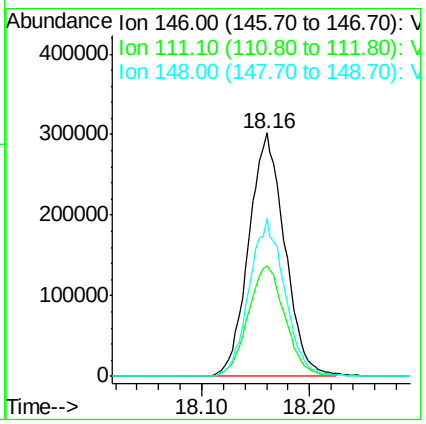




#77
1,2-Dichlorobenzene
Concen: 1.99 ppbv
RT: 18.16 min Scan# 5310
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:146 Resp: 698503

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.8
148	64.3	31.9	95.7



Instrument :
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ClientSampleId :
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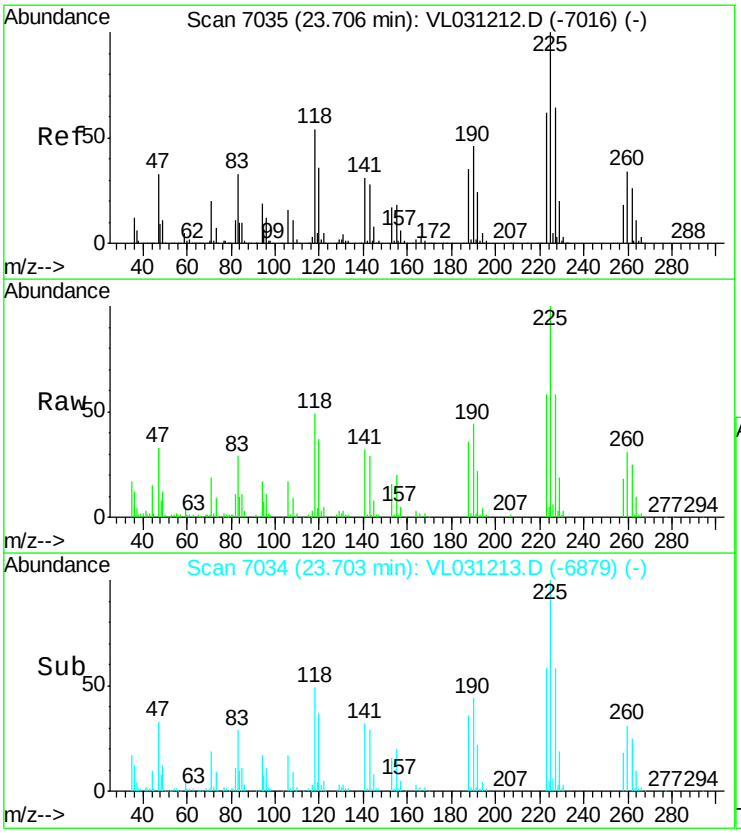
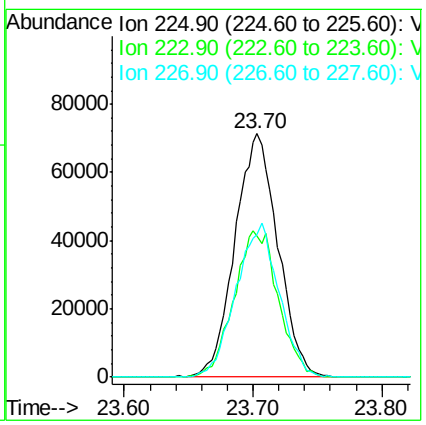
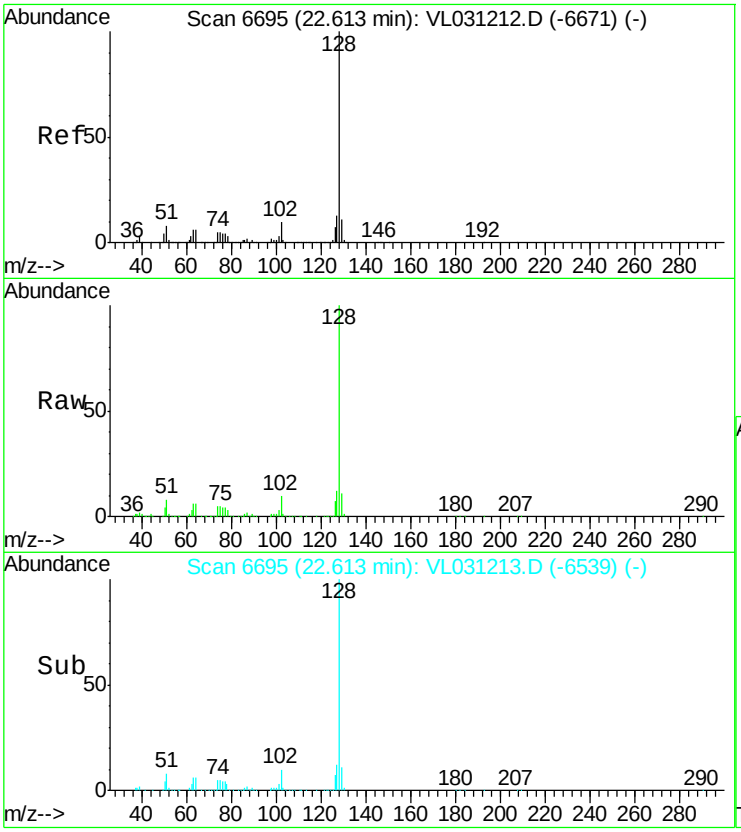


#78
Hexachloro-1,3-Butadiene
Concen: 2.46 ppbv
RT: 23.70 min Scan# 7034
Delta R.T. -0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:225 Resp: 165082

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.4	75.6
227	63.5	51.3	76.9

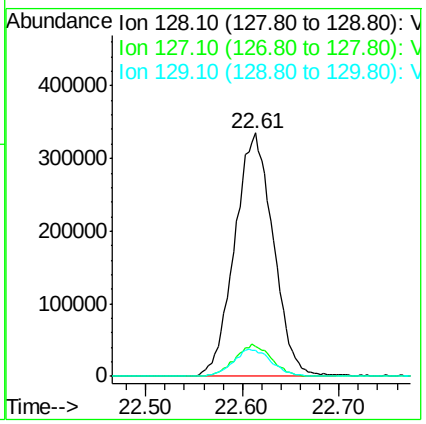




#79
Naphthalene
Concen: 2.43 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:128 Resp: 925328

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.9	13.3



Instrument :
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ClientSampleId :
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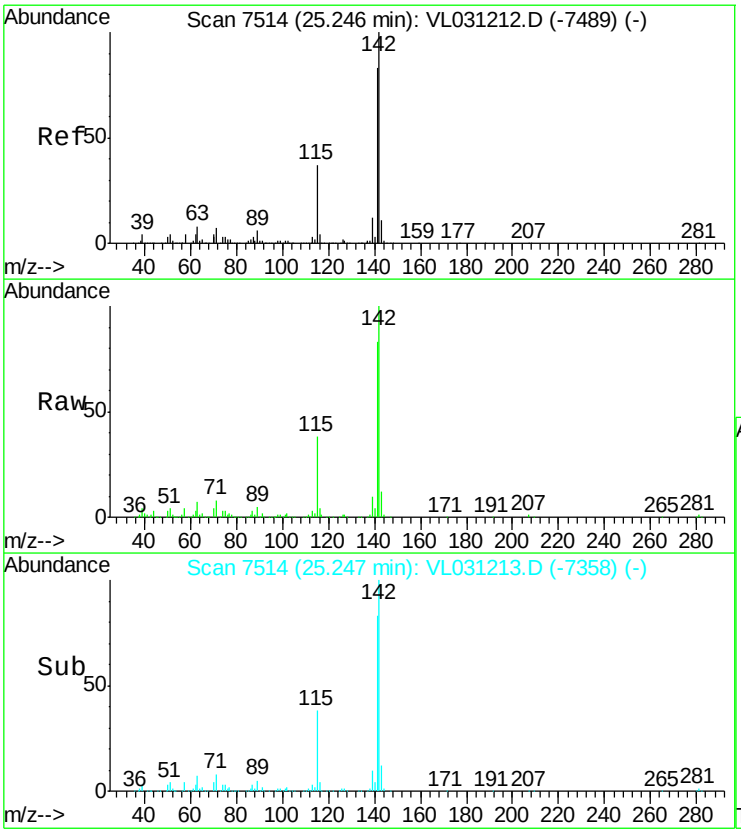
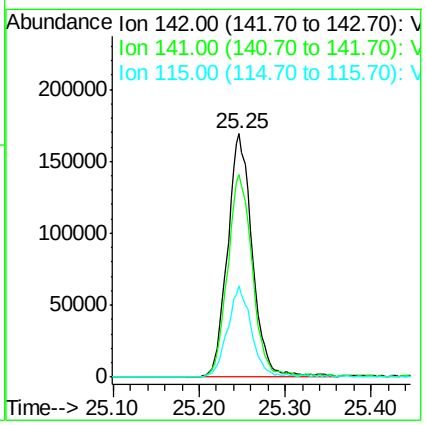
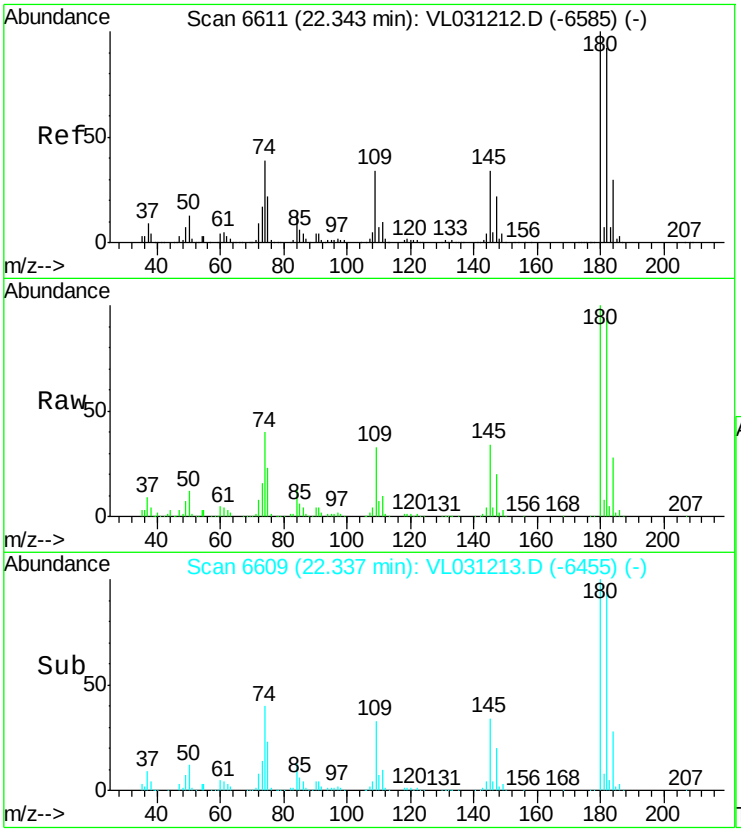


#80
Naphthalene,2-methyl-
Concen: 3.02 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:142 Resp: 339042

Ion	Ratio	Lower	Upper
142	100		
141	82.5	66.8	100.2
115	36.1	29.7	44.5

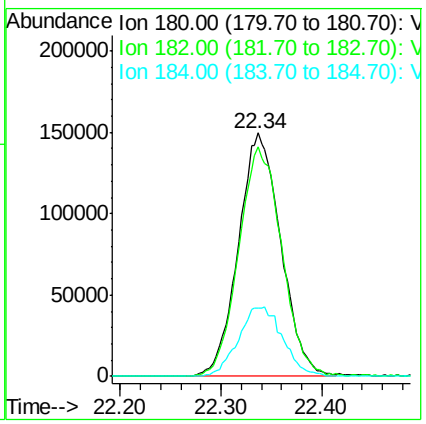




#81
1,2,4-Trichlorobenzene
Concen: 2.29 ppbv
RT: 22.34 min Scan# 6609
Delta R.T. -0.01 min
Lab File: VL031213.D
Acq: 13 Dec 2017 23:07

Tgt Ion:180 Resp: 435481

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.9	113.9
184	29.8	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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