Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032014.D
Acq On : 17 May 2018 10:09
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

Quant Time: May 17 14:38:03 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.88	49	1225065	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2497717	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.38	117	2648245m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.72	95	1989350	9.69	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.15	85	1193275	7.37	ppbv		97
3) Chlorodifluoromethane	3.09	51	906359	7.86	ppbv		97
4) Chloromethane	3.25	50	565211	9.31	ppbv		98
5) Vinyl Chloride	3.37	62	587049	8.57	ppbv		95
6) Bromomethane	3.60	94	414046	9.28	ppbv		97
7) Chloroethane	3.68	64	249783	9.58	ppbv		91
8) Dichlorotetrafluoroethane	3.30	85	1466205	9.10	ppbv		97
9) Propene	3.11	41	410888	9.73	ppbv		99
10) Heptane	8.38	43	1426730	9.82	ppbv		98
11) Trichlorofluoromethane	4.10	101	1771624	9.07	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1382563	10.05	ppbv		96
13) Ethanol	3.73	45	131655	8.35	ppbv	#	100
14) Bromoethene	3.88	108	478827	9.41	ppbv		99
15) Acetone	3.99	43	1267796	7.32	ppbv		99
16) 1,3-Butadiene	3.45	39	520642	9.35	ppbv		93
17) tert-Butyl alcohol	4.45	59	597458	8.34	ppbv		100
18) 1,1-Dichloroethene	4.45	96	624870	10.36	ppbv		98
19) Isopropyl Alcohol	4.12	45	852276m	9.10	ppbv		
20) Methylene Chloride	4.51	84	579637	9.92	ppbv		99
21) Allyl Chloride	4.58	41	971268	9.84	ppbv		99
22) trans-1,2-Dichloroethene	5.07	96	680486	10.16	ppbv		97
23) Vinyl Acetate	5.26	43	1963685	9.92	ppbv		99
24) 1,1-Dichloroethane	5.20	63	1777492	9.63	ppbv		99
25) Ethyl Acetate	5.88	43	2684464	9.03	ppbv		100
26) Hexane	5.89	57	1286893	9.21	ppbv		98
27) Carbon Disulfide	4.72	76	1695455	10.83	ppbv		99
28) Methyl tert-Butyl Ether	5.22	73	1699644	9.89	ppbv		99
29) Chloroform	5.96	83	2034791	9.20	ppbv		98
30) Cyclohexane	7.38	84	878986	9.44	ppbv		99
31) cis-1,2-Dichloroethene	5.76	61	1253950	9.81	ppbv		99
32) 1,1,1-Trichloroethane	6.74	97	1740033	8.54	ppbv		99
34) 2-Butanone	5.44	43	1865182	9.05	ppbv		99
35) Carbon Tetrachloride	7.26	117	1839667	9.29	ppbv		100
36) Benzene	7.13	78	2218147	9.43	ppbv		96
37) 1,2-Dichloroethane	6.53	62	1430683	8.46	ppbv		99
38) Trichloroethene	8.09	130	906273	10.14	ppbv		99
39) 1,2-Dichloropropane	7.86	63	801535	9.79	ppbv		96
40) 1,4-Dioxane	8.08	88	354385	9.60	ppbv		96
41) Tetrahydrofuran	6.26	42	769064	8.57	ppbv		99
42) Bromodichloromethane	8.05	83	1876585	9.95	ppbv		95
43) Methyl Methacrylate	8.26	69	803685	10.14	ppbv		99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032014.D
Acq On : 17 May 2018 10:09
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

Quant Time: May 17 14:38:03 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	3692627	9.73	ppbv		99
45) t-1,3-Dichloropropene	9.55	75	1148305	10.93	ppbv		100
46) cis-1,3-Dichloropropene	8.97	75	1381287	10.65	ppbv		99
47) 1,1,2-Trichloroethane	9.75	97	925988	9.56	ppbv		98
48) Dibromochloromethane	10.59	129	1593513	10.25	ppbv		100
49) Bromoform	13.35	173	1310176	10.87	ppbv		100
50) 4-Methyl-2-Pentanone	9.00	43	1893424	9.73	ppbv		99
51) 2-Hexanone	10.40	43	1764531	9.96	ppbv	#	100
52) Tetrachloroethene	11.51	164	840707	9.65	ppbv		97
53) Toluene	10.08	91	2587696	10.20	ppbv		100
54) 1,2-Dibromoethane	10.90	107	1414213	9.79	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.42	131	1091017	9.05	ppbv		98
57) Chlorobenzene	12.44	112	2040997	8.94	ppbv		98
58) Ethyl Benzene	13.00	91	3732327	9.84	ppbv		99
59) m/p-Xylene	13.29	91	6240238m	19.40	ppbv		
60) o-Xylene	13.99	91	3145960	9.74	ppbv		100
61) Styrene	13.83	104	722424	11.03	ppbv		99
62) Isopropylbenzene	14.96	105	3998895	9.69	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.98	83	2128288	9.28	ppbv		100
64) n-propylbenzene	15.86	120	1052811	10.17	ppbv		97
65) tert-Butylbenzene	17.05	119	3561693	9.68	ppbv		100
66) Benzyl Chloride	17.30	91	436313	13.05	ppbv		100
67) sec-Butylbenzene	17.60	105	5117051	10.01	ppbv		99
69) p-Isopropyltoluene	17.95	119	4270191	10.40	ppbv		100
70) n-Butylbenzene	18.85	91	4491246	10.57	ppbv		100
71) 2-Chlorotoluene	15.76	91	3101306	10.27	ppbv		100
72) 4-Ethyltoluene	16.14	105	3428458	10.46	ppbv		100
73) 1,3,5-Trimethylbenzene	16.30	105	3091388	10.20	ppbv		98
74) 1,2,4-Trimethylbenzene	17.06	105	3302734	9.85	ppbv		97
75) 1,3-Dichlorobenzene	17.31	146	2072345	10.02	ppbv		100
76) 1,4-Dichlorobenzene	17.45	146	2079422	10.16	ppbv		100
77) 1,2-Dichlorobenzene	18.13	146	2122087	10.19	ppbv		100
78) Hexachloro-1,3-Butadiene	23.67	225	1298061	13.71	ppbv		100
79) Naphthalene	22.57	128	2901975	12.43	ppbv		98
80) Naphthalene,2-methyl-	25.22	142	839709	15.08	ppbv		99
81) 1,2,4-Trichlorobenzene	22.30	180	1467002	11.33	ppbv		99

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

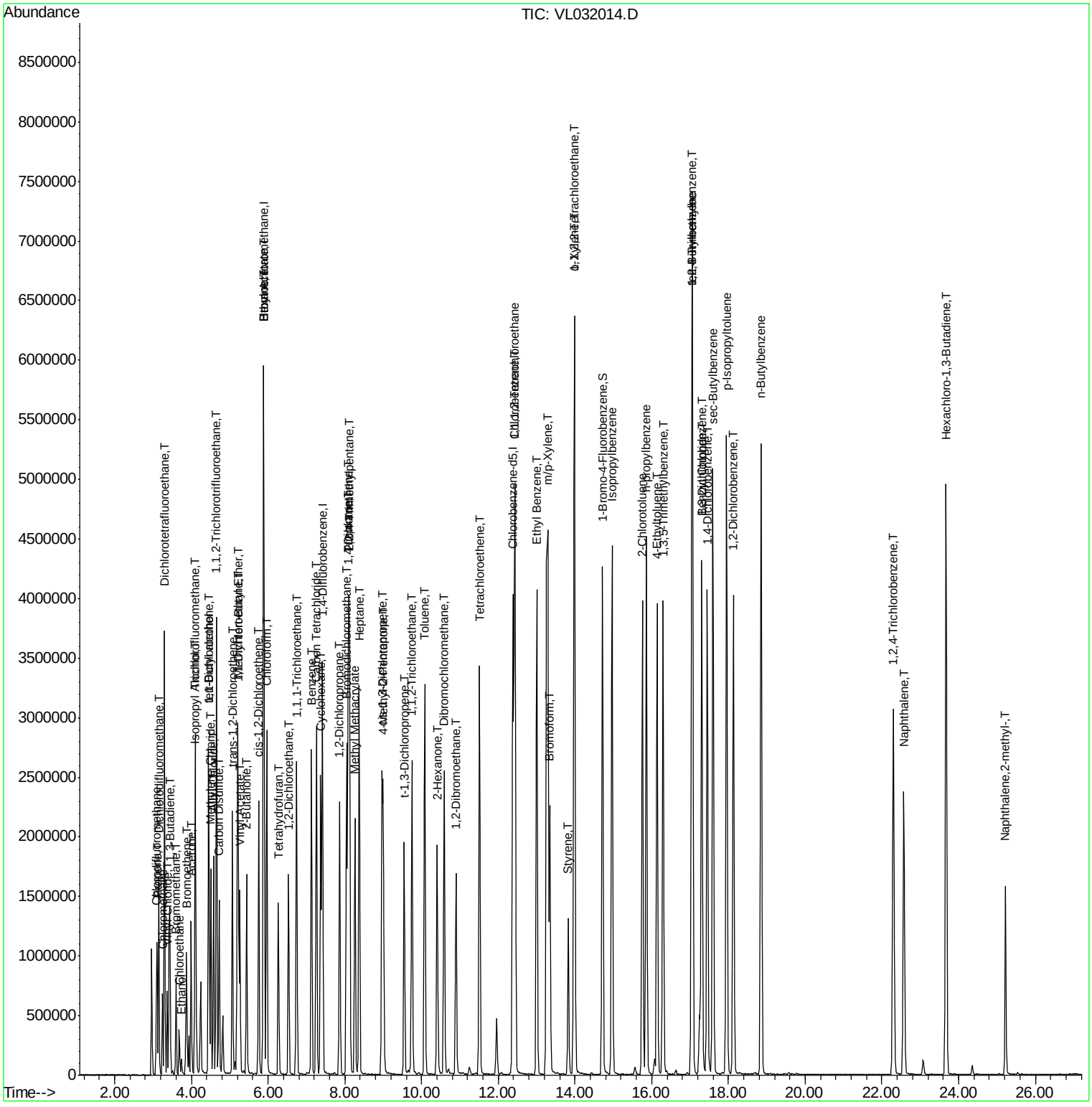
Quantitation Report (QT Reviewed)

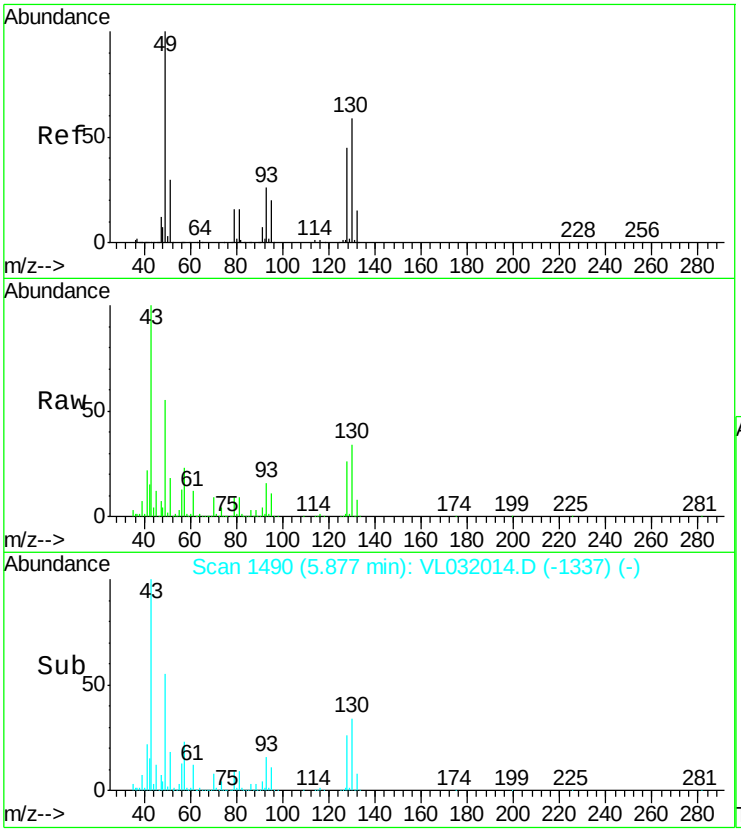
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032014.D
Acq On : 17 May 2018 10:09
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 14:38:03 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

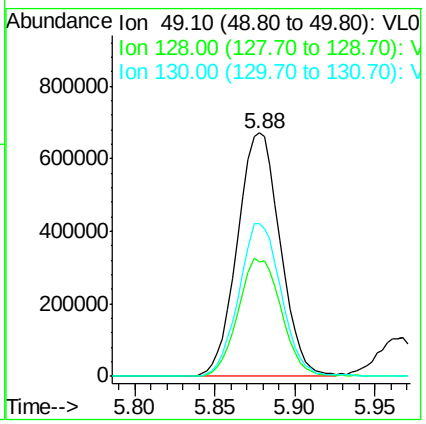




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

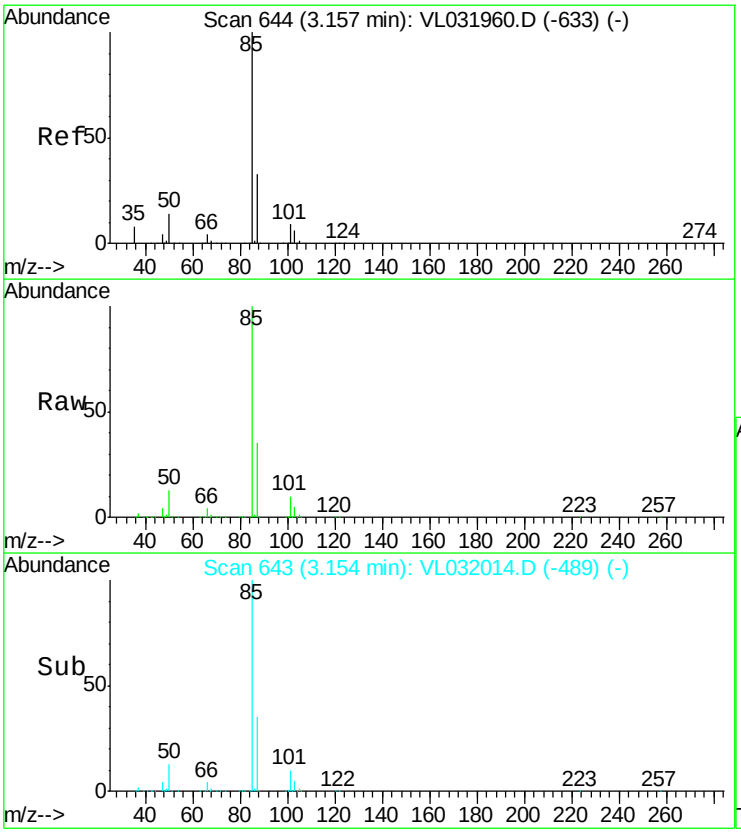
Tgt Ion: 49 Resp: 1225065

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.1	72.3
130	62.4	30.7	92.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

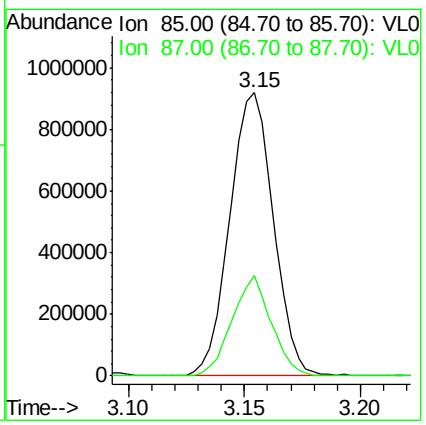
Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

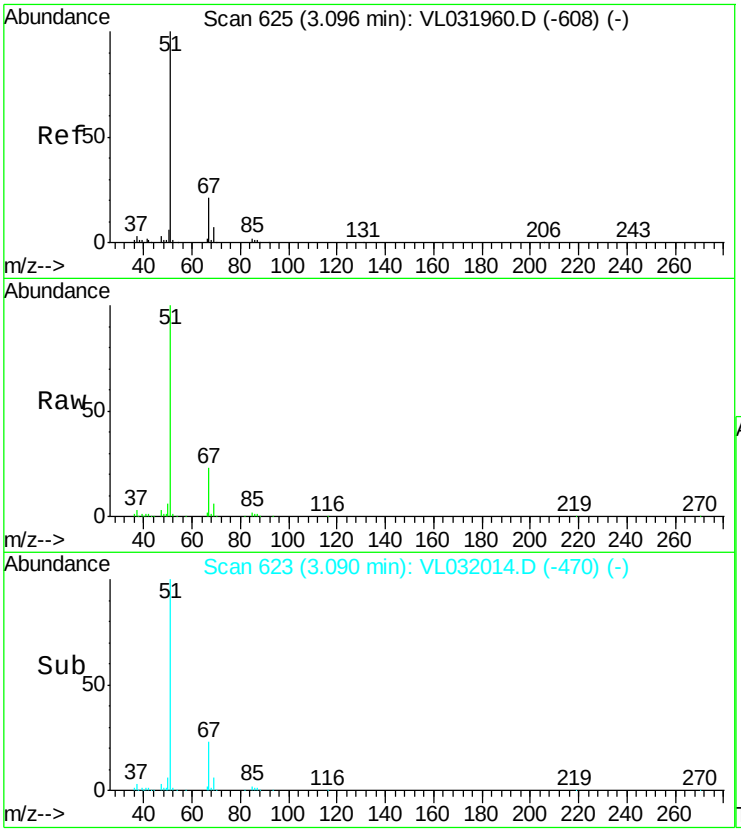


#2
Dichlorodifluoromethane
Concen: 7.37 ppbv
RT: 3.15 min Scan# 643
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 85 Resp: 1193275

Ion	Ratio	Lower	Upper
85	100		
87	35.5	26.8	40.2

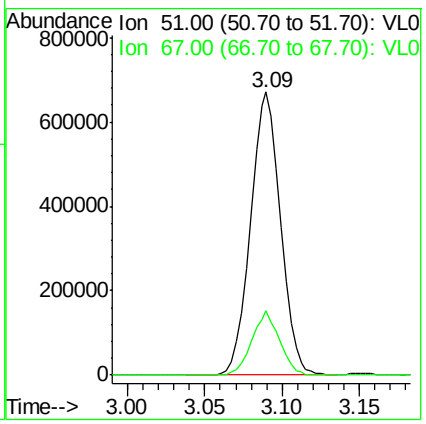




#3
Chlorodifluoromethane
Concen: 7.86 ppbv
RT: 3.09 min Scan# 623
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 51 Resp: 906359

Ion	Ratio	Lower	Upper
51	100		
67	21.1	15.9	23.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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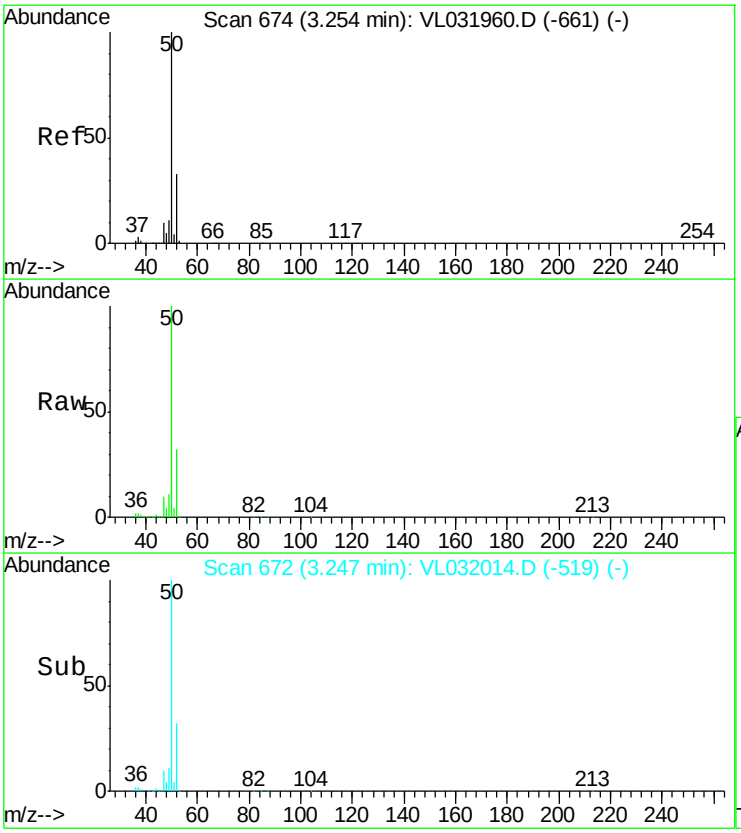
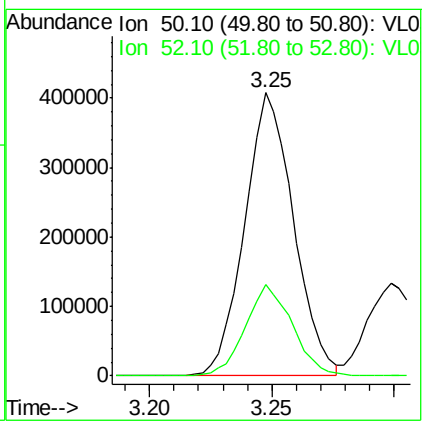
5/17/2018 3:34:19 PM

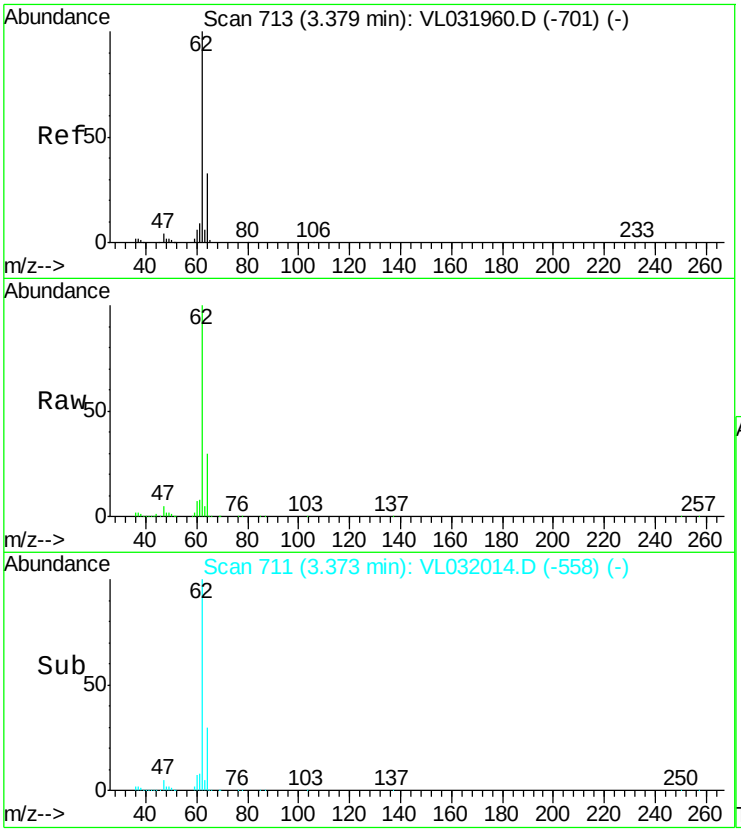


#4
Chloromethane
Concen: 9.31 ppbv
RT: 3.25 min Scan# 672
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 50 Resp: 565211

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.6	39.8

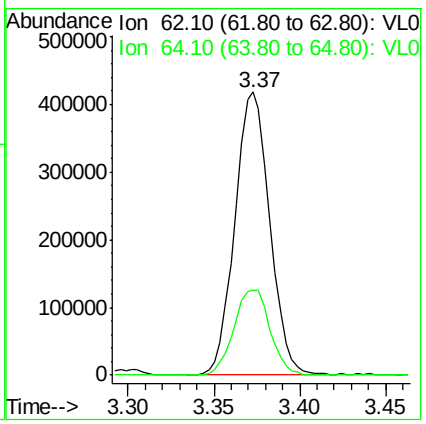




#5
Vinyl Chloride
Concen: 8.57 ppbv
RT: 3.37 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 62 Resp: 587049

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.6	39.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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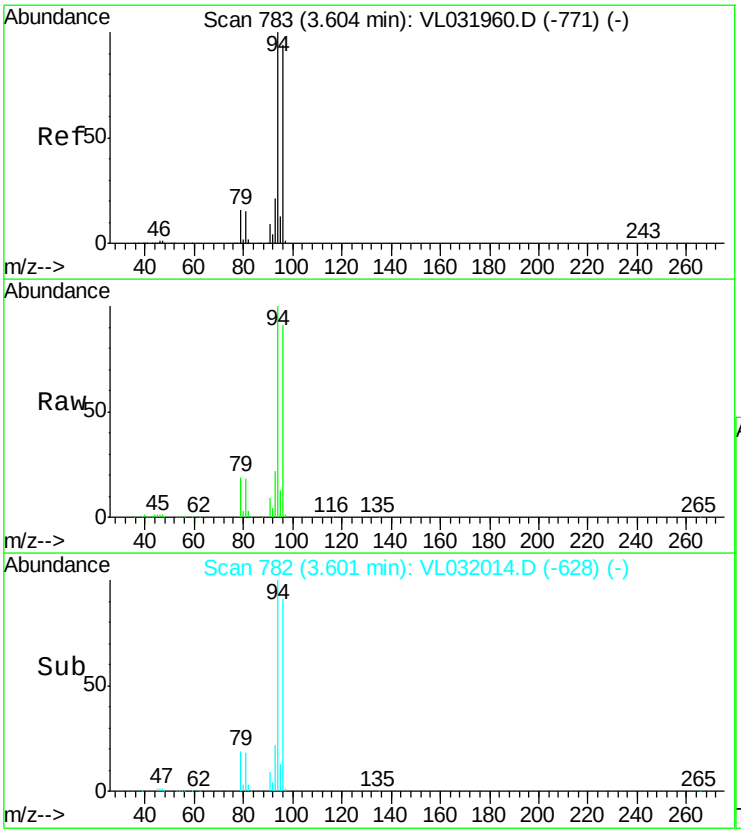
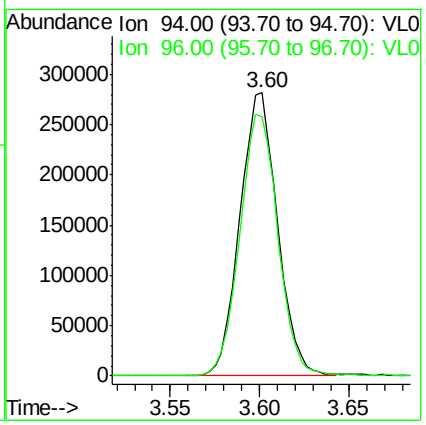
5/17/2018 3:34:19 PM

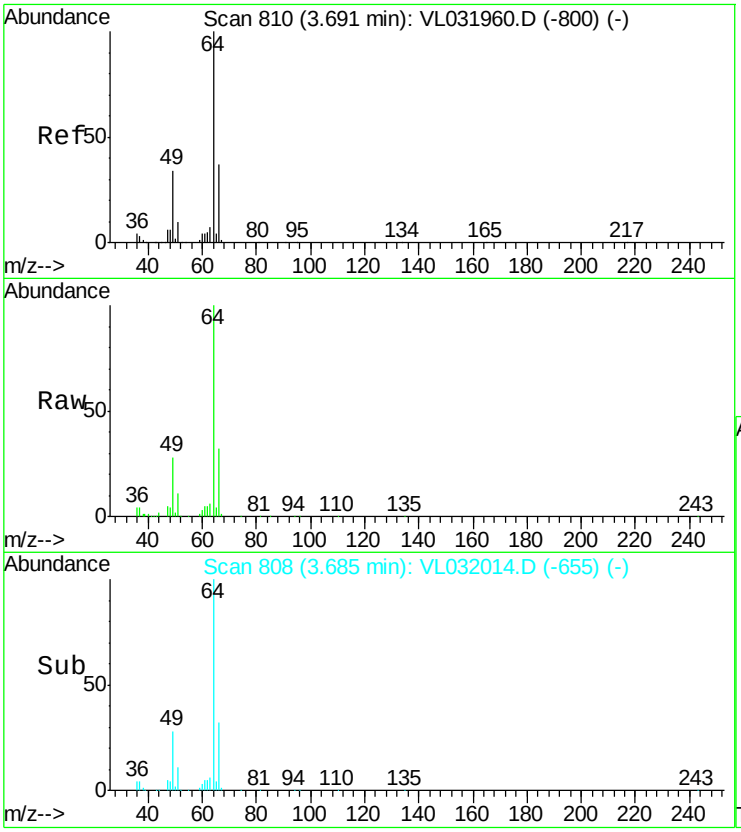


#6
Bromomethane
Concen: 9.28 ppbv
RT: 3.60 min Scan# 782
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 94 Resp: 414046

Ion	Ratio	Lower	Upper
94	100		
96	91.5	75.5	113.3

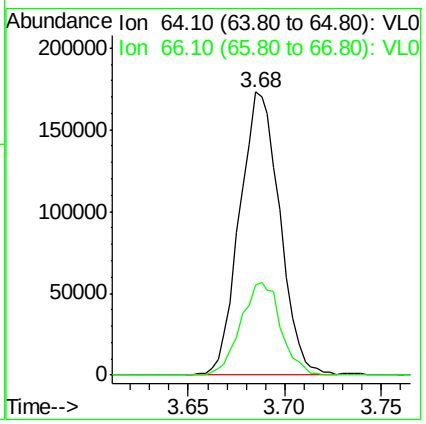




#7
Chloroethane
Concen: 9.58 ppbv
RT: 3.68 min Scan# 808
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

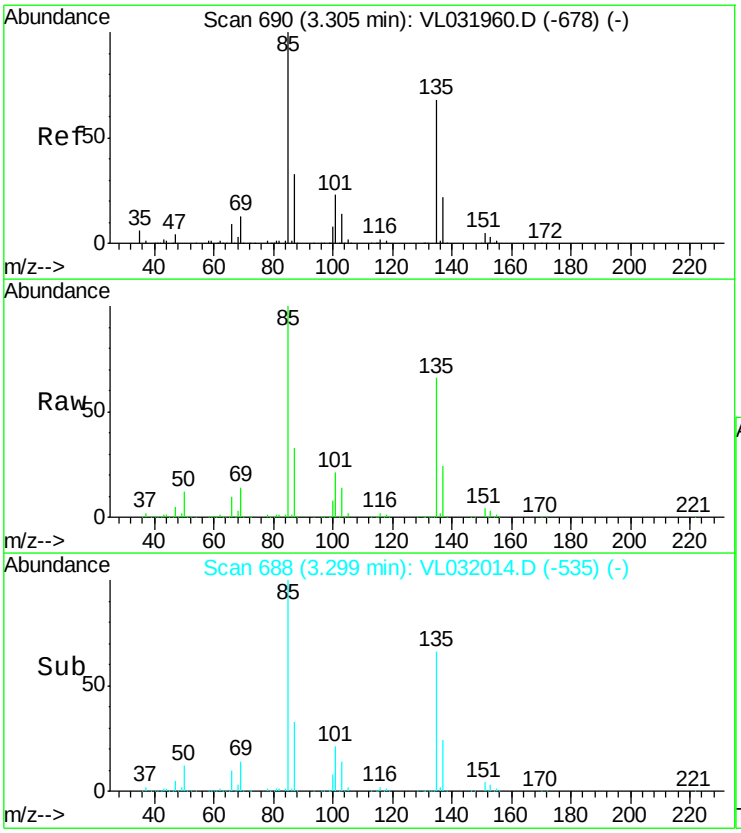
Tgt Ion: 64 Resp: 249783

Ion	Ratio	Lower	Upper
64	100		
66	31.8	29.6	44.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

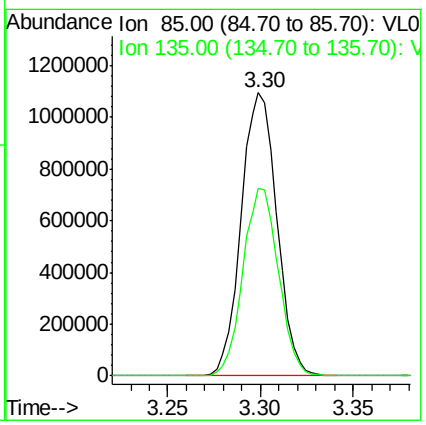
Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

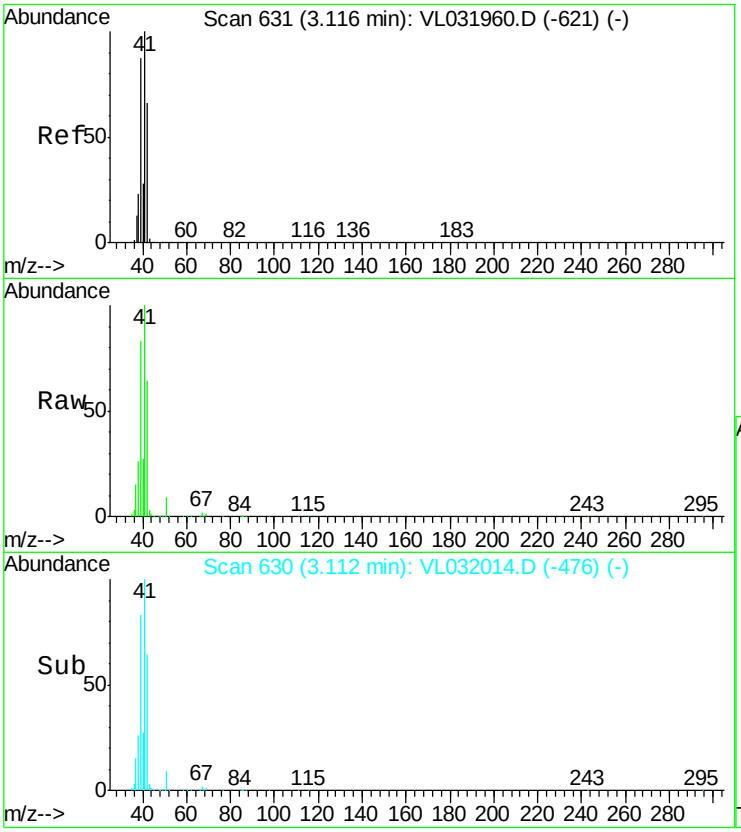


#8
Dichlorotetrafluoroethane
Concen: 9.10 ppbv
RT: 3.30 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 85 Resp: 1466205

Ion	Ratio	Lower	Upper
85	100		
135	66.0	54.8	82.2

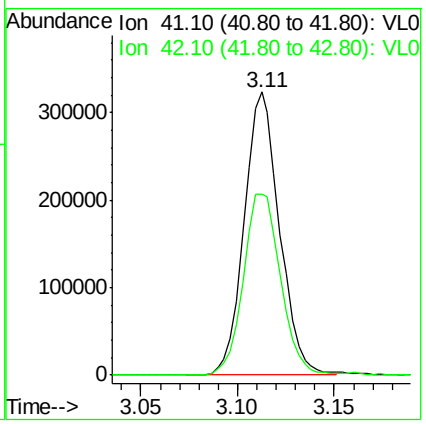




#9
Propene
Concen: 9.73 ppbv
RT: 3.11 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

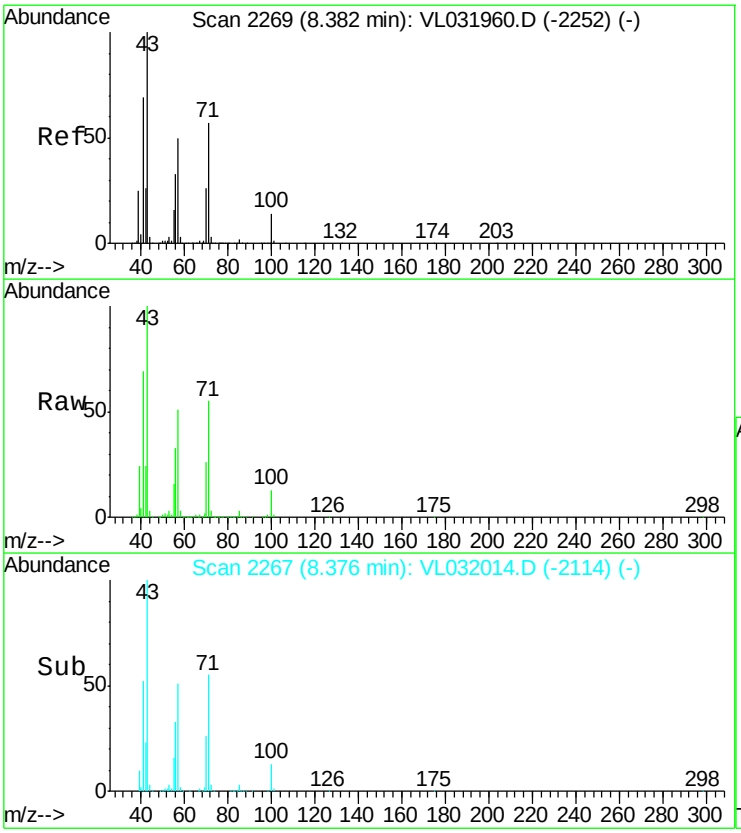
Tgt Ion: 41 Resp: 410888

Ion	Ratio	Lower	Upper
41	100		
42	68.3	53.9	80.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

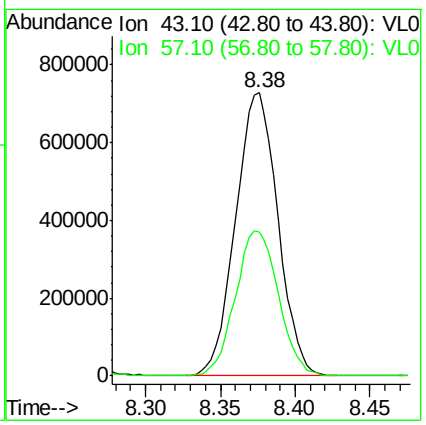
Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

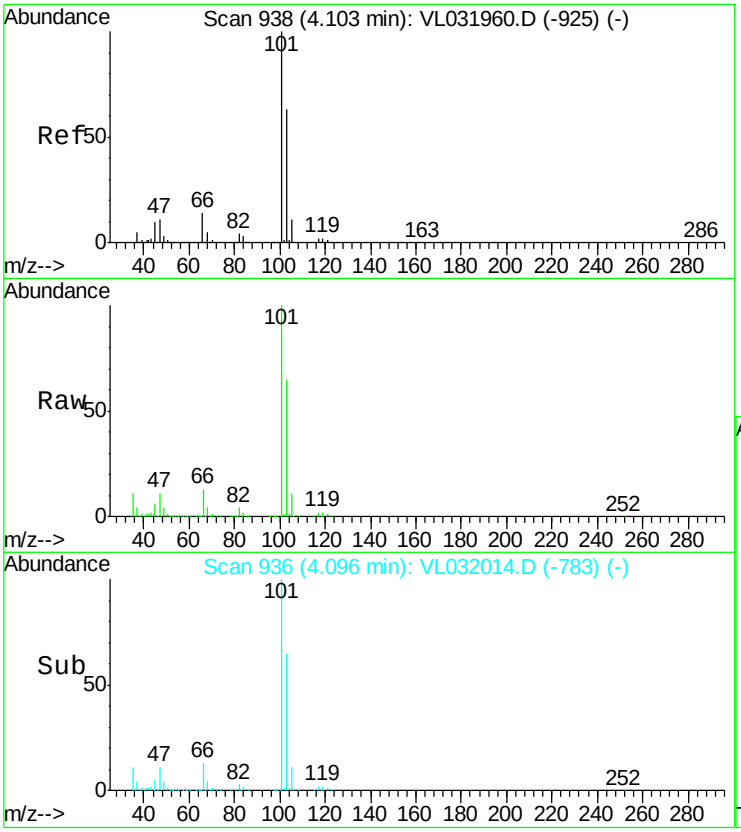


#10
Heptane
Concen: 9.82 ppbv
RT: 8.38 min Scan# 2267
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1426730

Ion	Ratio	Lower	Upper
43	100		
57	52.3	40.7	61.1

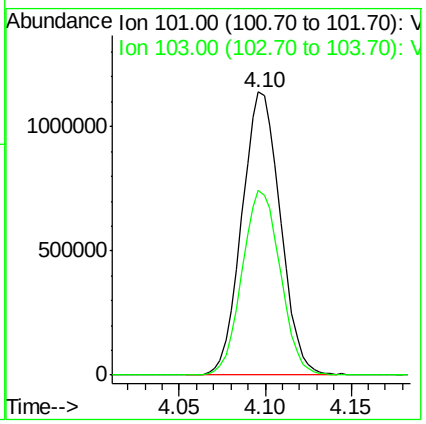




#11
Trichlorofluoromethane
Concen: 9.07 ppbv
RT: 4.10 min Scan# 936
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

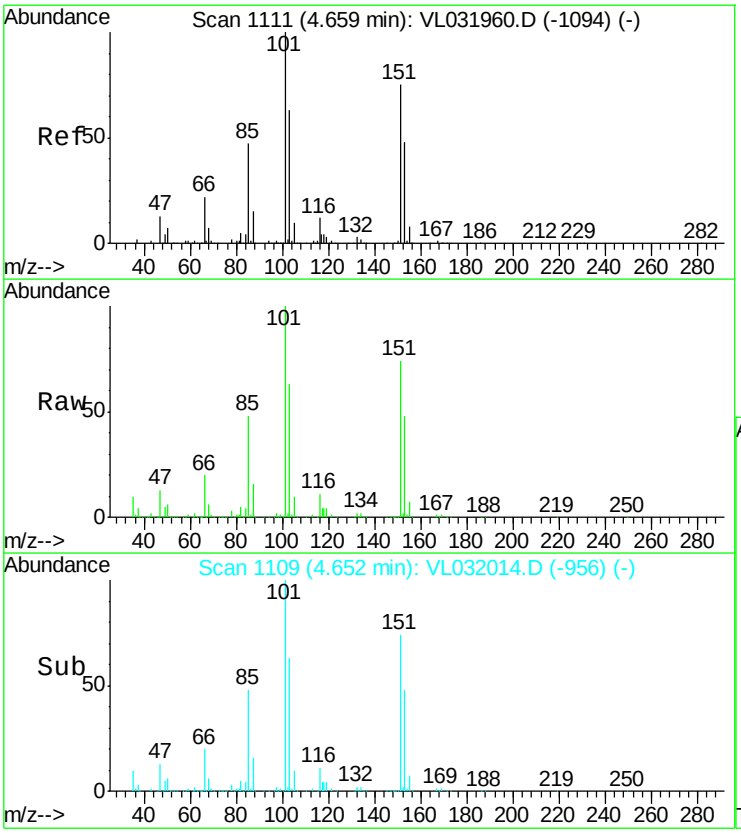
Tgt Ion:101 Resp: 1771624

Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.7	76.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

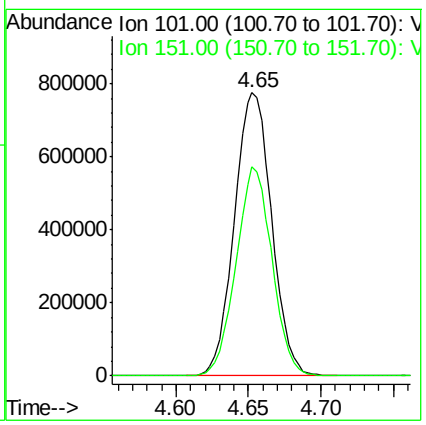
Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:19 PM

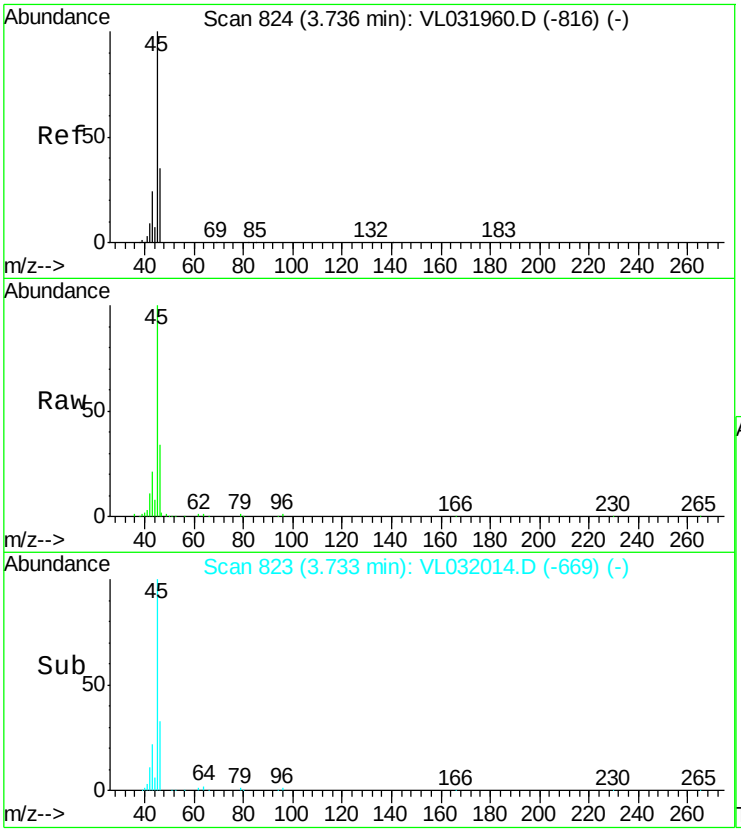


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.05 ppbv
RT: 4.65 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:101 Resp: 1382563

Ion	Ratio	Lower	Upper
101	100		
151	71.6	60.2	90.2

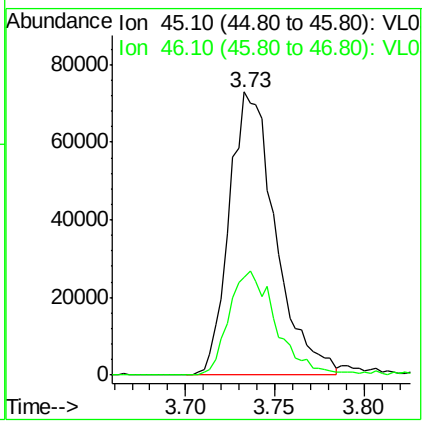




#13
Ethanol
Concen: 8.35 ppbv
RT: 3.73 min Scan# 823
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 45 Resp: 131655

Ion	Ratio	Lower	Upper
45	100		
46	38.5	0.0	0.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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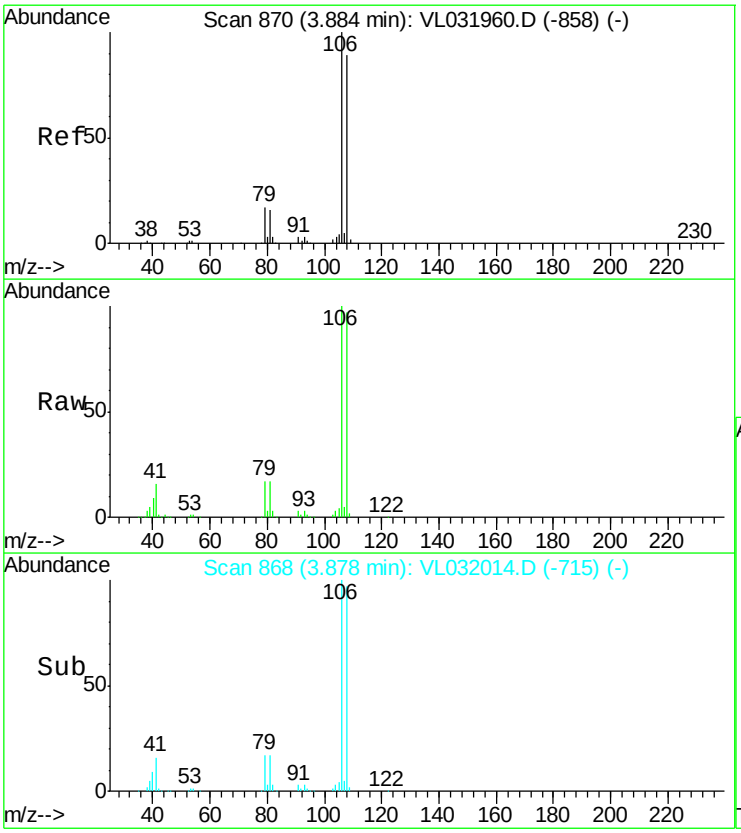
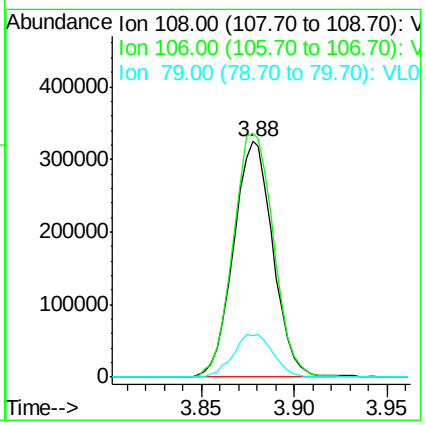
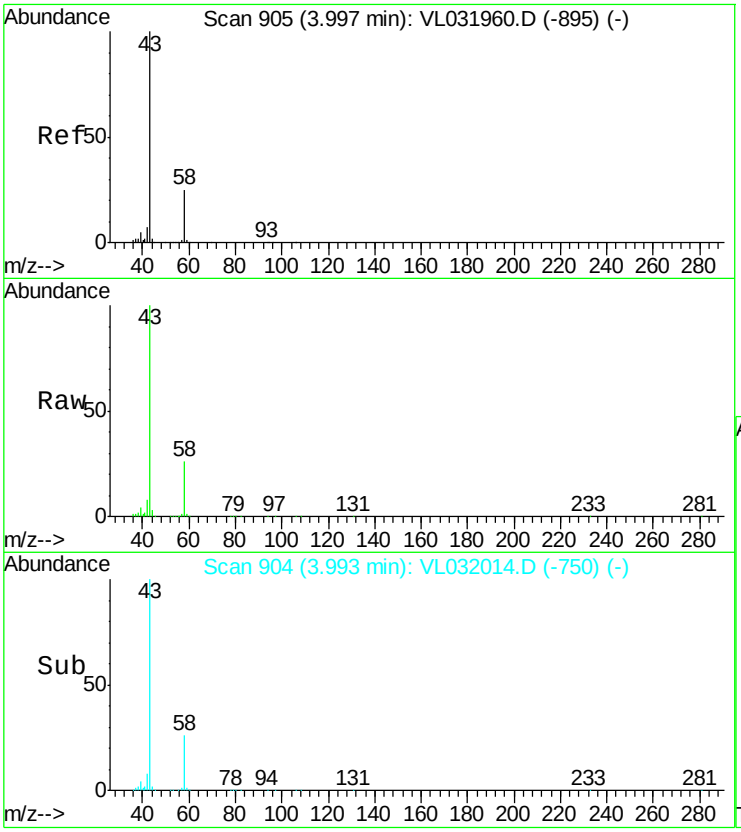


#14
Bromoethene
Concen: 9.41 ppbv
RT: 3.88 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:108 Resp: 478827

Ion	Ratio	Lower	Upper
108	100		
106	106.8	86.8	130.2
79	18.7	14.7	22.1

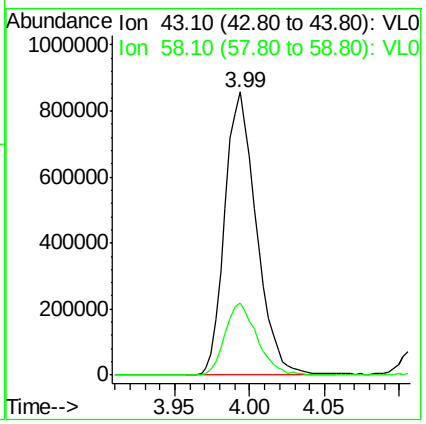




#15
Acetone
Concen: 7.32 ppbv
RT: 3.99 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1267796

Ion	Ratio	Lower	Upper
43	100		
58	25.9	21.1	31.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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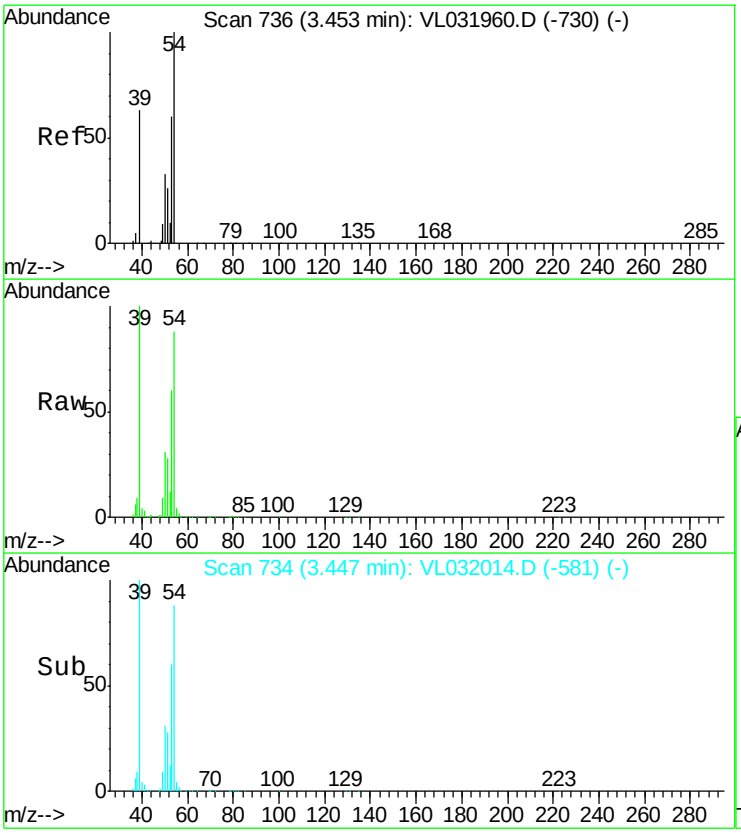
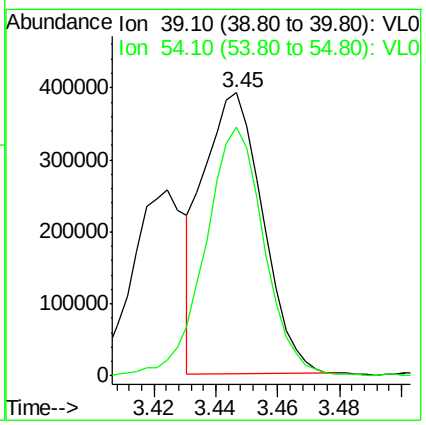
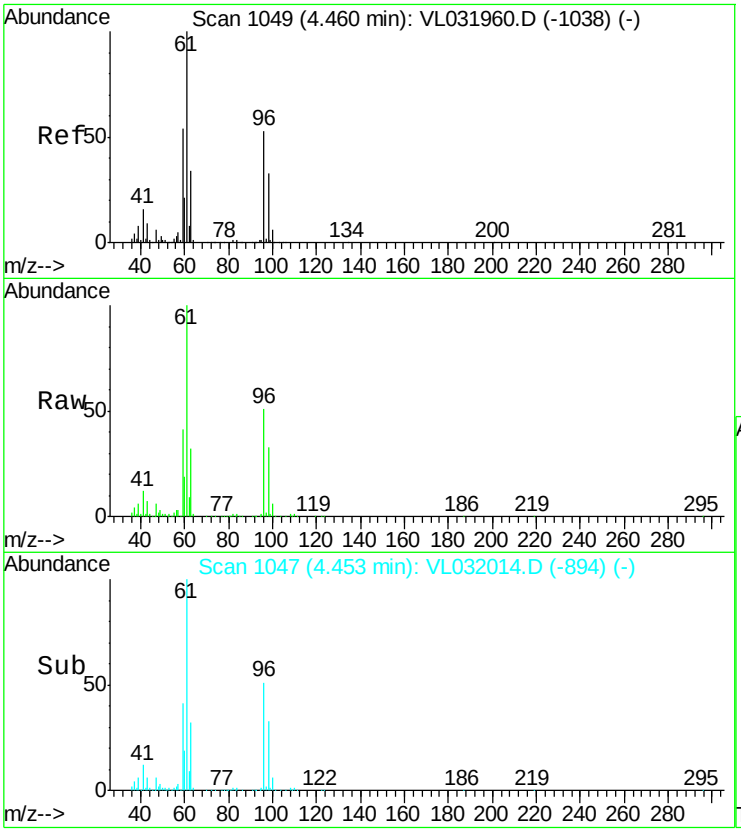


#16
1,3-Butadiene
Concen: 9.35 ppbv
RT: 3.45 min Scan# 734
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 39 Resp: 520642

Ion	Ratio	Lower	Upper
39	100		
54	88.6	66.2	99.2

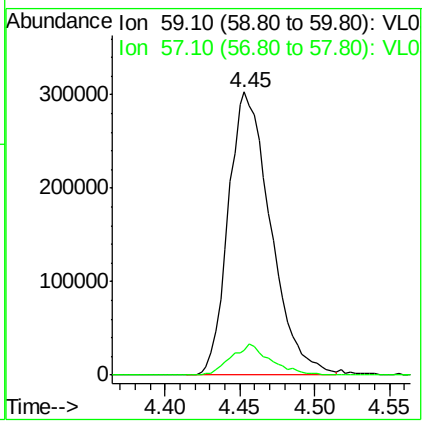




#17
tert-Butyl alcohol
Concen: 8.34 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 59 Resp: 597458

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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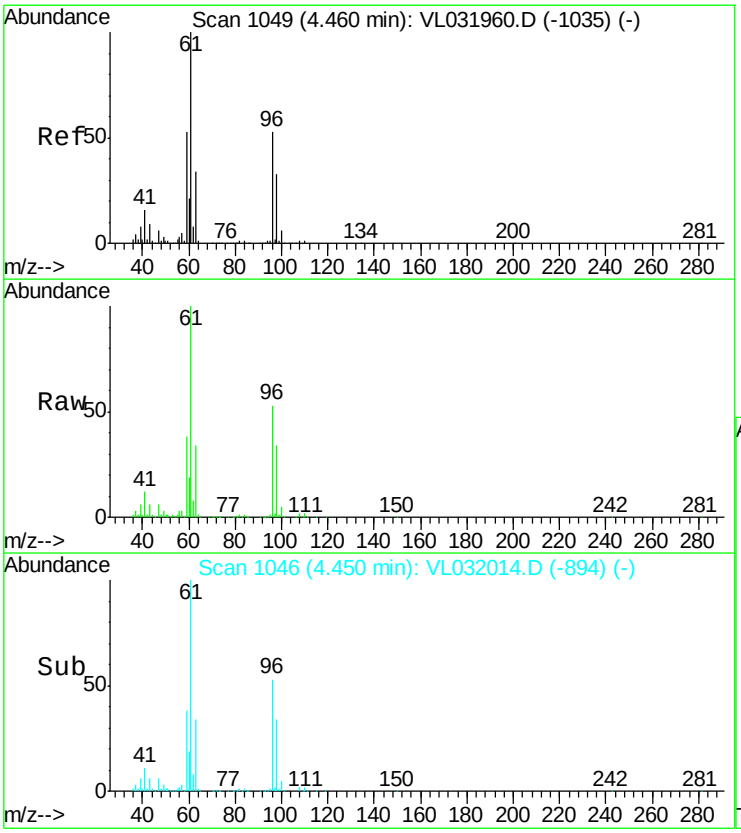
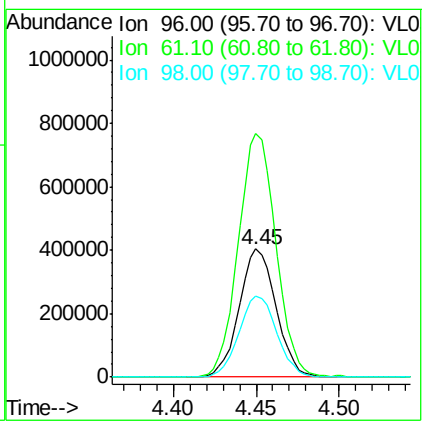
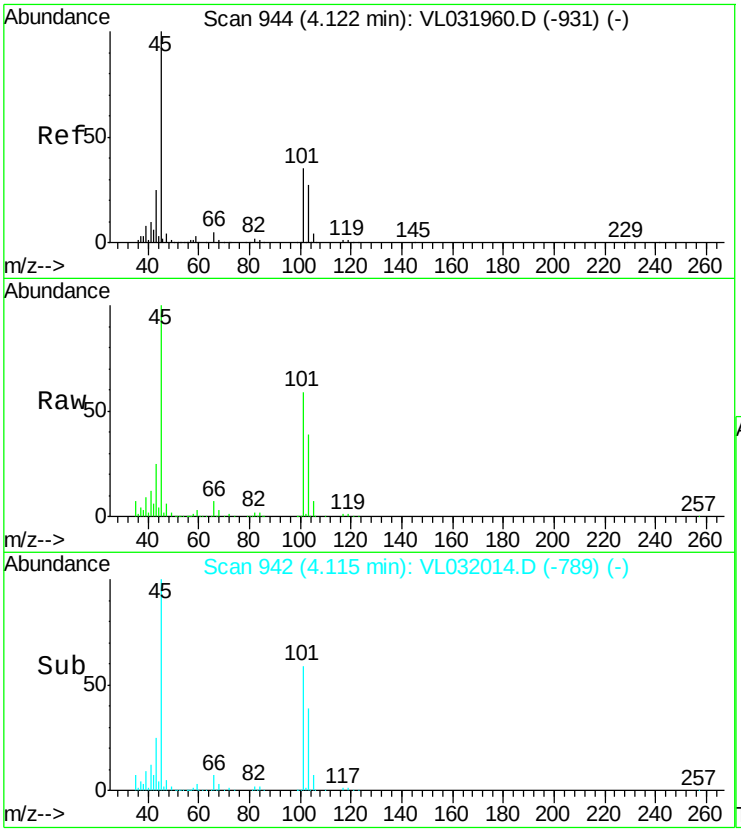


#18
1,1-Dichloroethene
Concen: 10.36 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 96 Resp: 624870

Ion	Ratio	Lower	Upper
96	100		
61	190.2	149.9	224.9
98	63.7	49.7	74.5

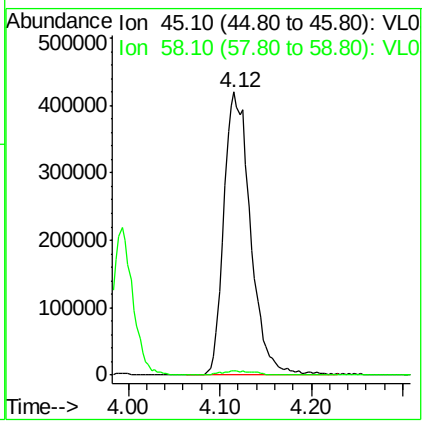




#19
Isopropyl Alcohol
Concen: 9.10 ppbv m
RT: 4.12 min Scan# 942
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 45 Resp: 852276

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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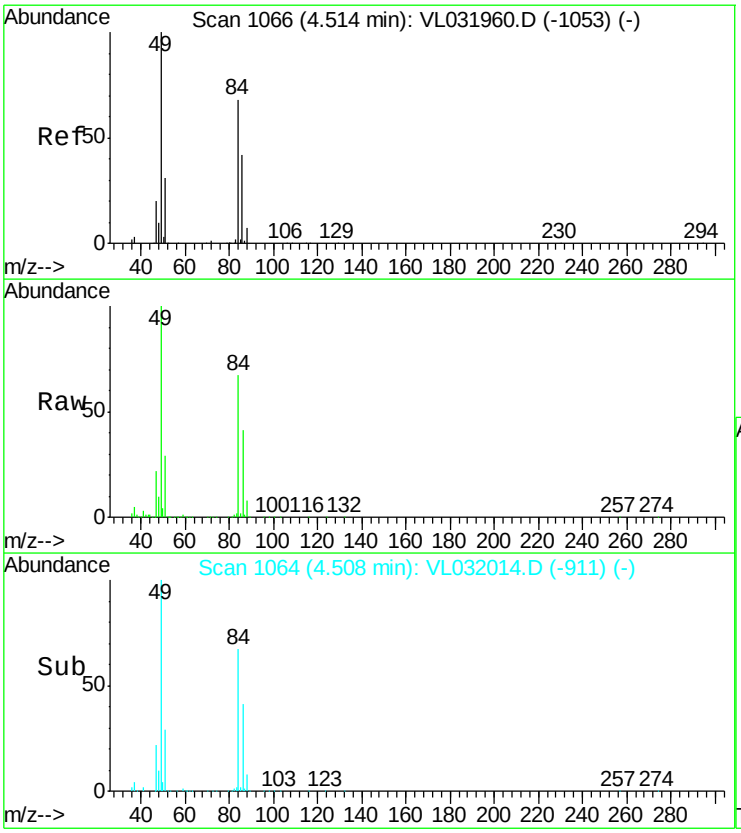
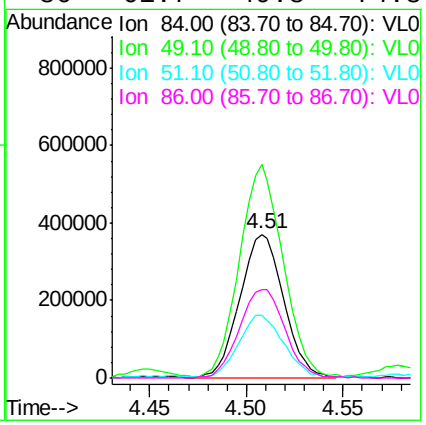
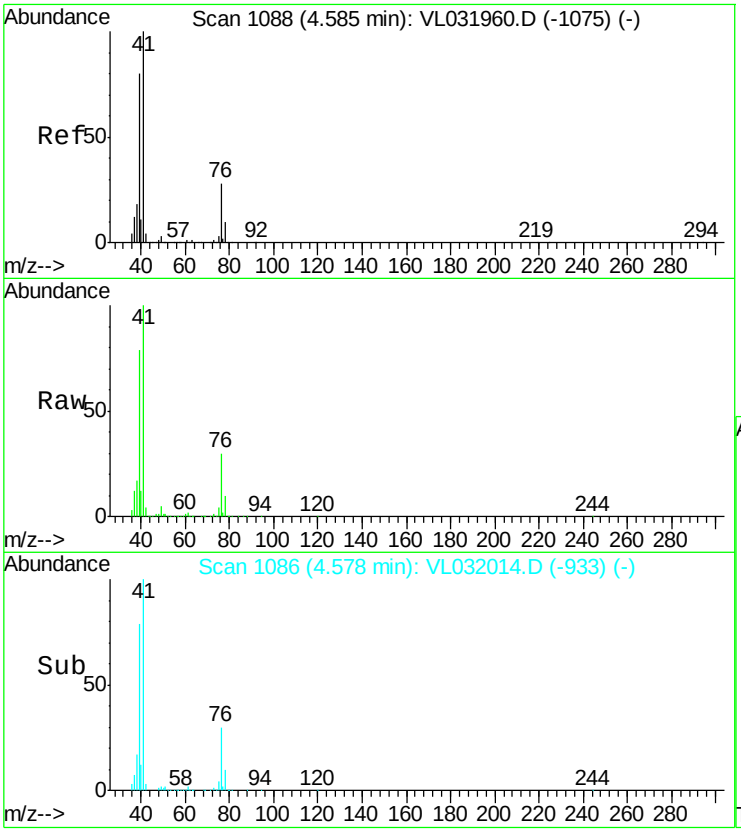


#20
Methylene Chloride
Concen: 9.92 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 84 Resp: 579637

Ion	Ratio	Lower	Upper
84	100		
49	147.6	118.6	178.0
51	42.7	36.6	54.8
86	61.7	49.8	74.8

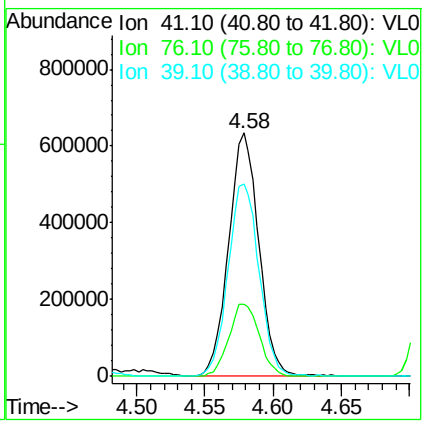




#21
Allvl Chloride
Concen: 9.84 ppbv
RT: 4.58 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 41 Resp: 971268

Ion	Ratio	Lower	Upper
41	100		
76	30.3	23.4	35.0
39	81.7	64.5	96.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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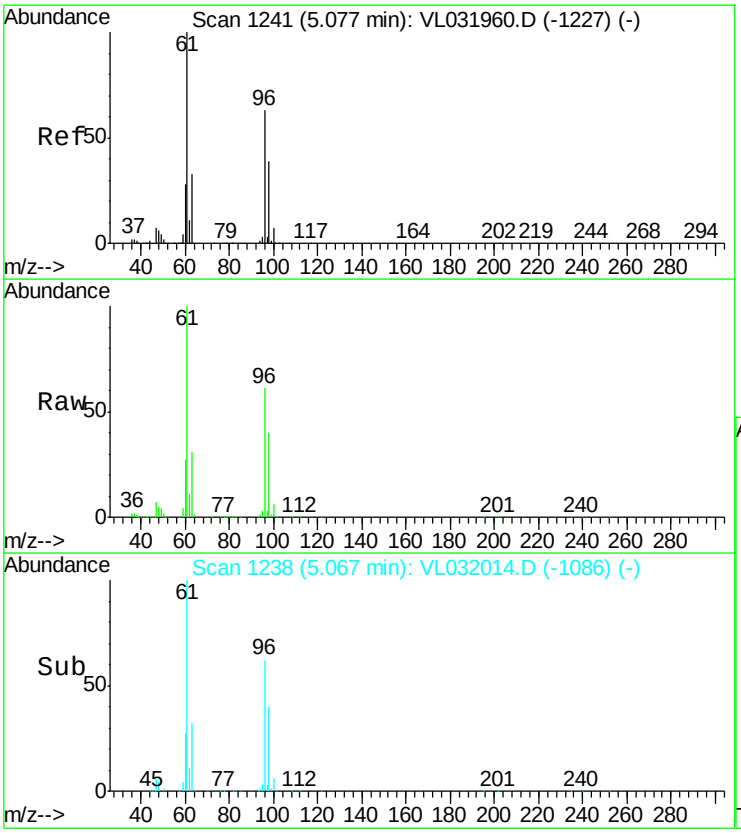
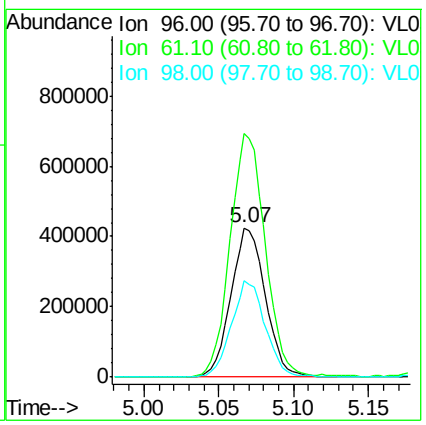
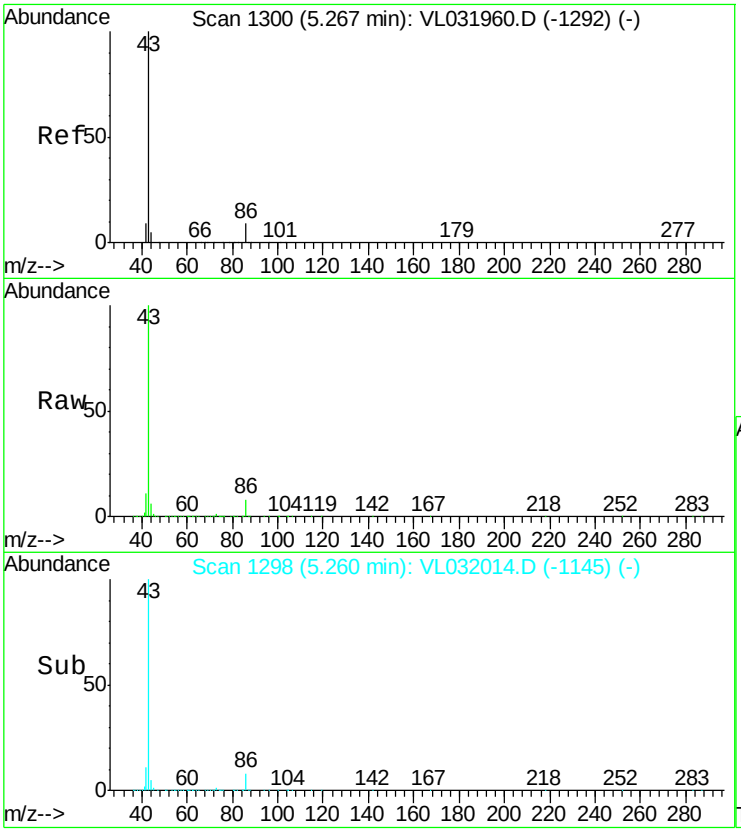


#22
trans-1,2-Dichloroethene
Concen: 10.16 ppbv
RT: 5.07 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 96 Resp: 680486

Ion	Ratio	Lower	Upper
96	100		
61	163.5	127.7	191.5
98	65.0	49.3	73.9

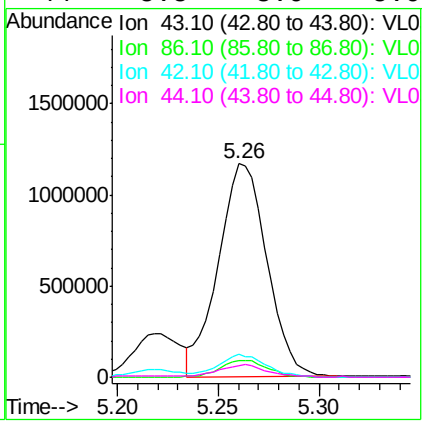




#23
Vinyl Acetate
Concen: 9.92 ppbv
RT: 5.26 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1963685

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	10.6	8.0	12.0
44	5.5	3.9	5.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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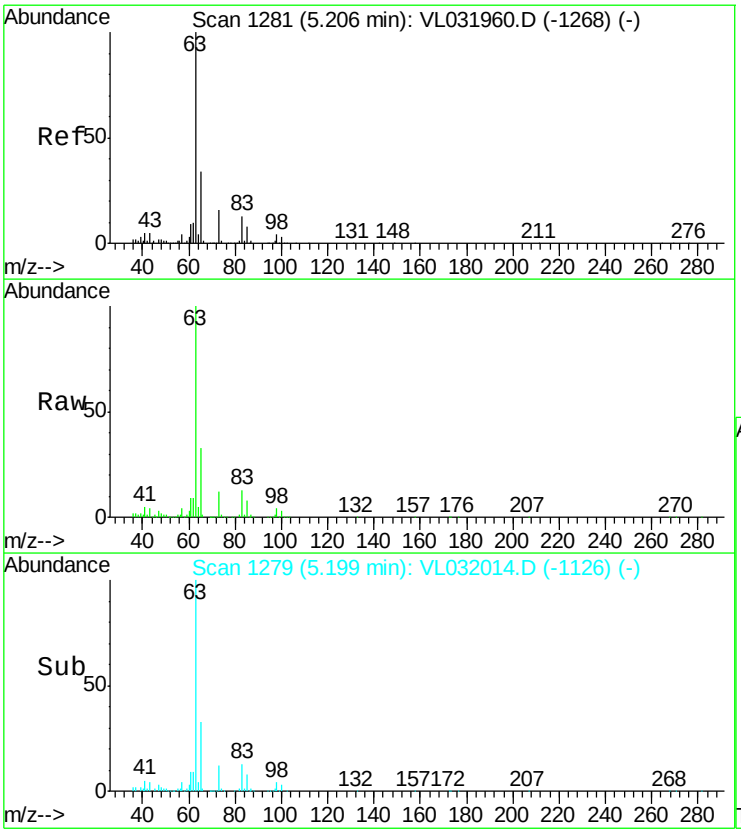
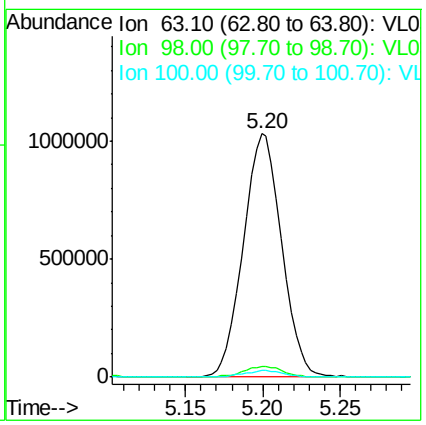
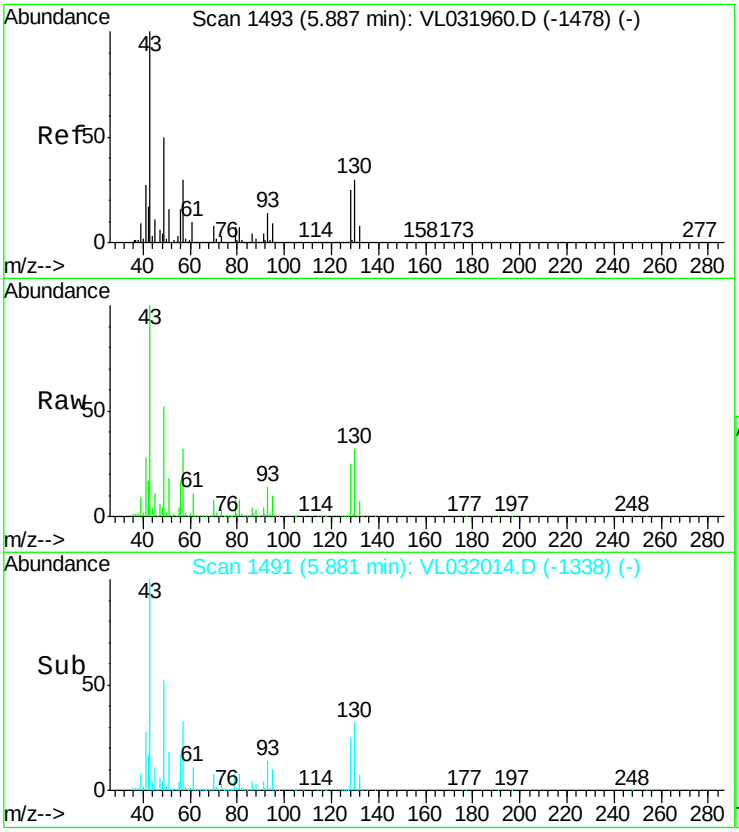


#24
1,1-Dichloroethane
Concen: 9.63 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 63 Resp: 1777492

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.2	6.6
100	2.6	1.5	4.5

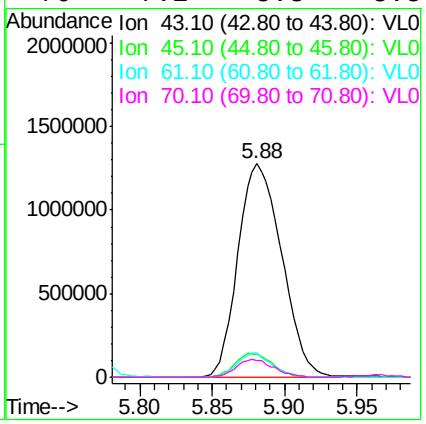




#25
Ethyl Acetate
Concen: 9.03 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 2684464

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.1	7.4	11.2
70	7.2	5.8	8.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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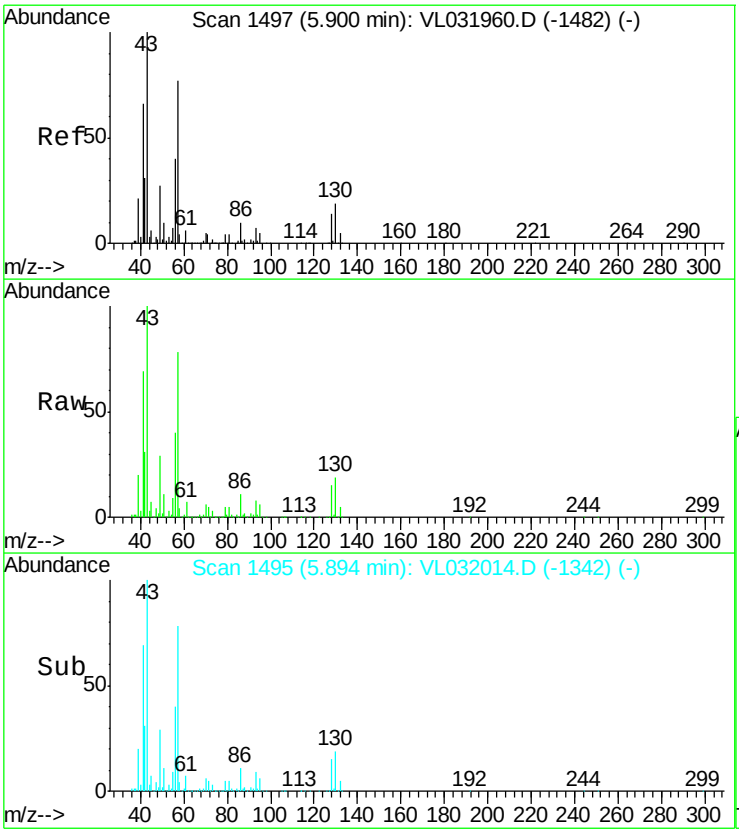
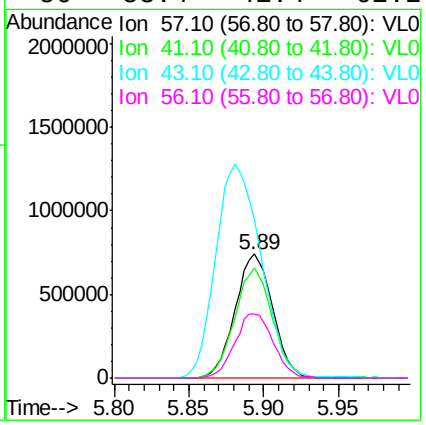
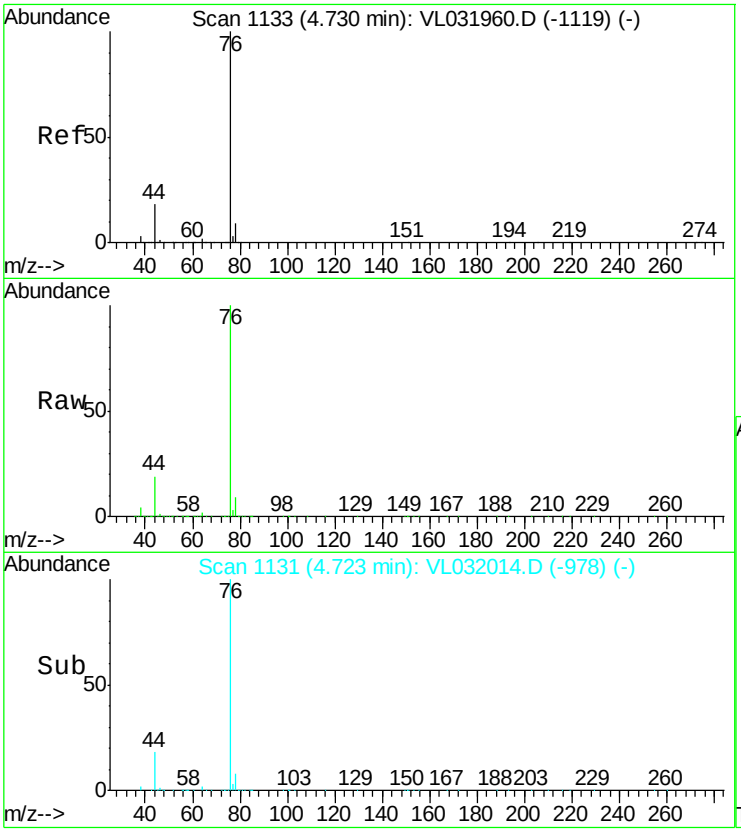


#26
Hexane
Concen: 9.21 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 57 Resp: 1286893

Ion	Ratio	Lower	Upper
57	100		
41	89.8	71.8	107.6
43	210.5	171.5	257.3
56	53.4	41.4	62.2

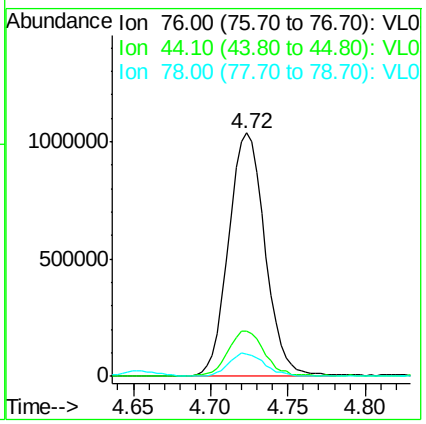




#27
Carbon Disulfide
Concen: 10.83 ppbv
RT: 4.72 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 76 Resp: 1695455

Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.4	23.0
78	9.4	7.4	11.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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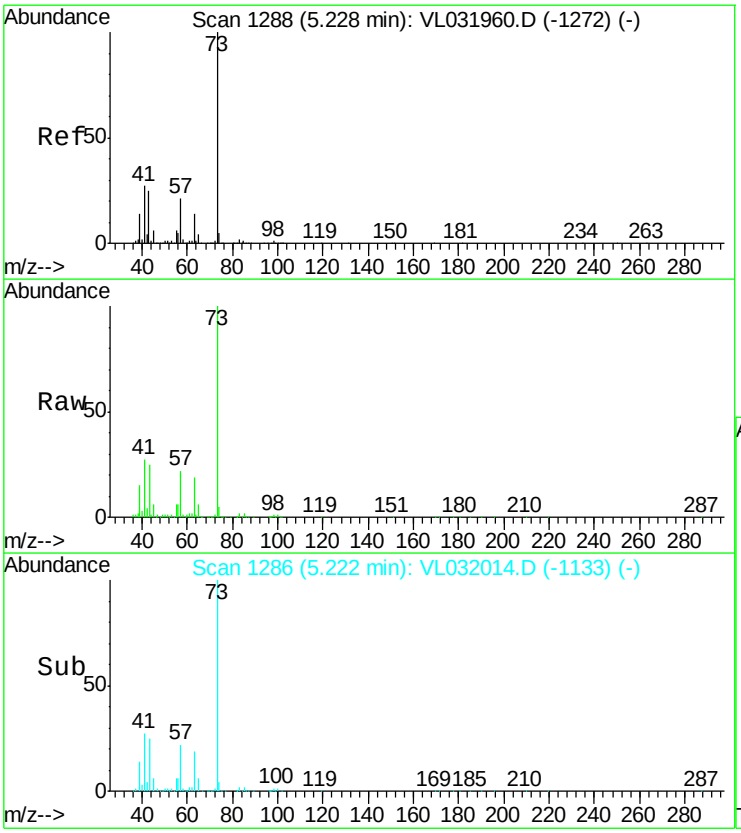
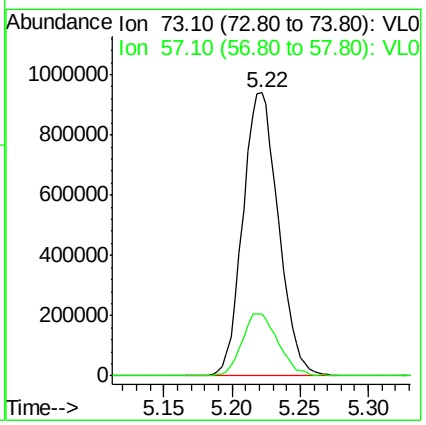
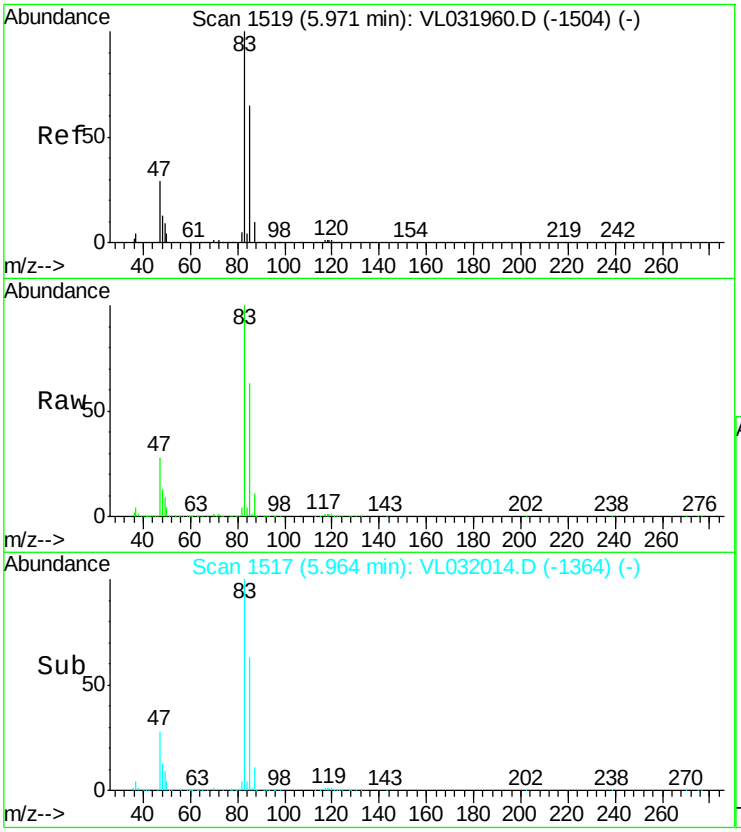


#28
Methyl tert-Butyl Ether
Concen: 9.89 ppbv
RT: 5.22 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 73 Resp: 1699644

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.6	26.4

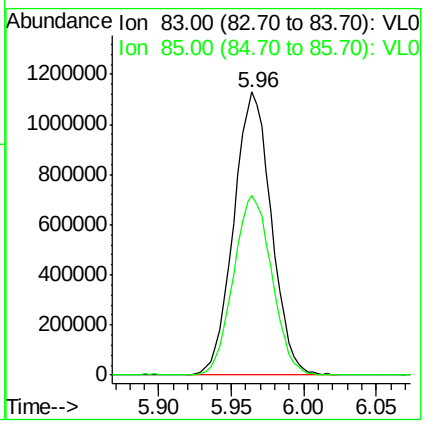




#29
Chloroform
Concen: 9.20 ppbv
RT: 5.96 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 83 Resp: 2034791

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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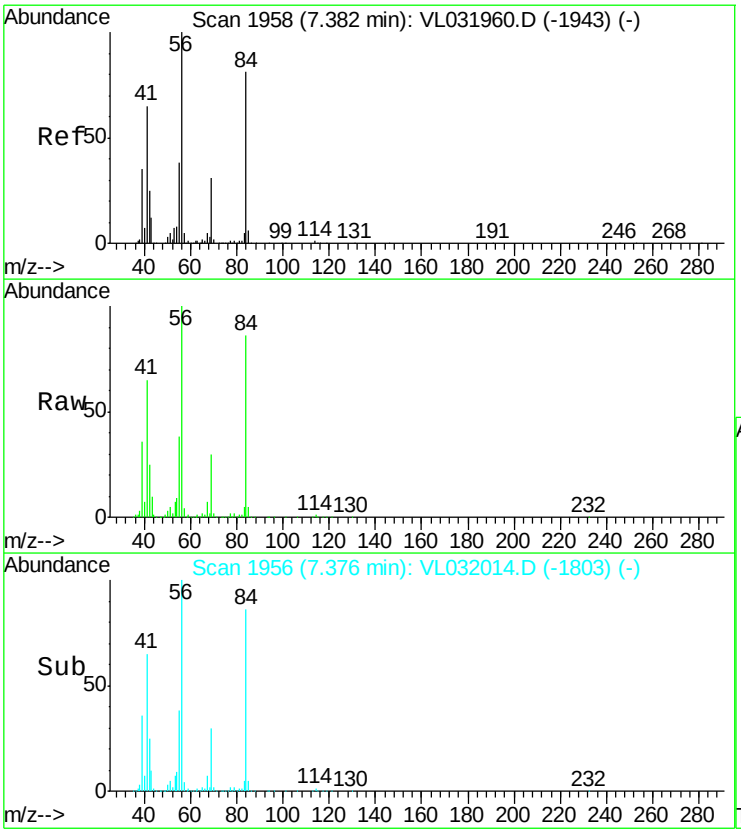
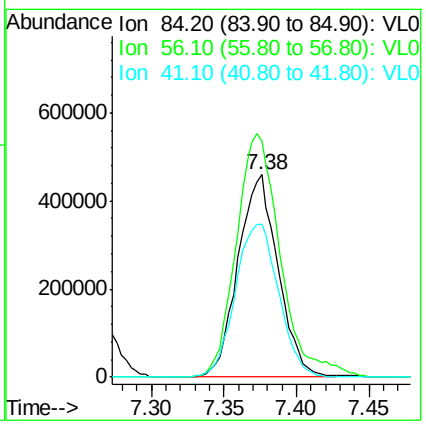
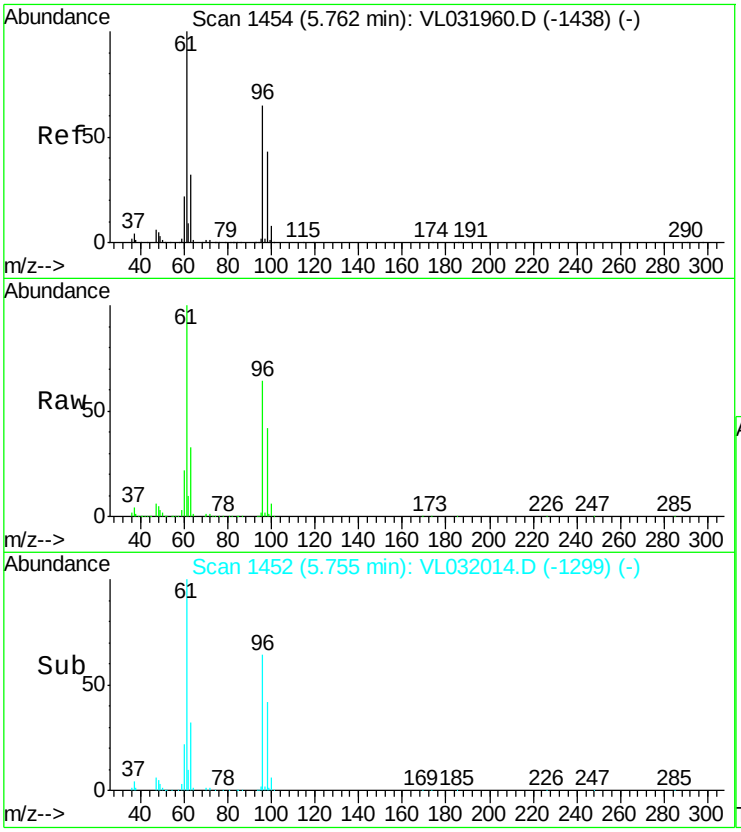


#30
Cyclohexane
Concen: 9.44 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 84 Resp: 878986

Ion	Ratio	Lower	Upper
84	100		
56	133.3	108.0	162.0
41	82.4	66.8	100.2

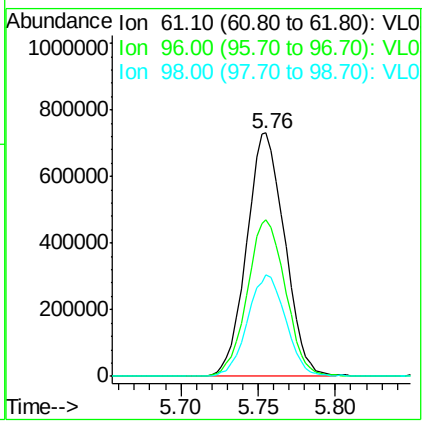




#31
cis-1,2-Dichloroethene
Concen: 9.81 ppbv
RT: 5.76 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 61 Resp: 1253950

Ion	Ratio	Lower	Upper
61	100		
96	64.1	51.8	77.6
98	41.8	34.2	51.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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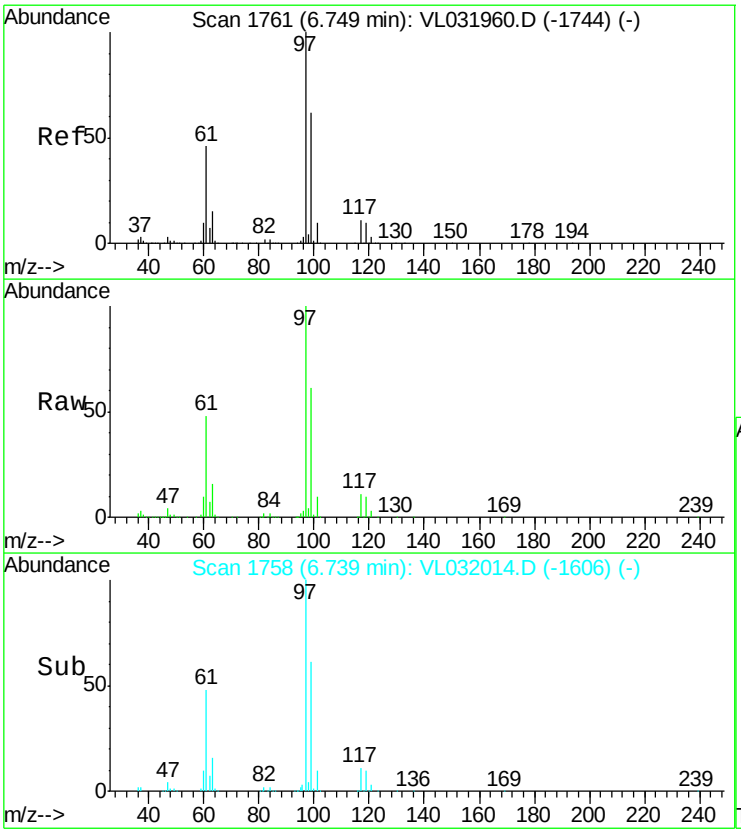
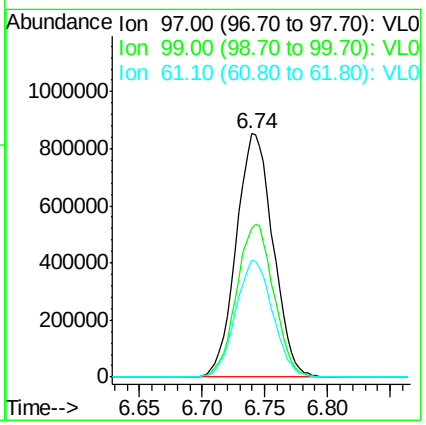
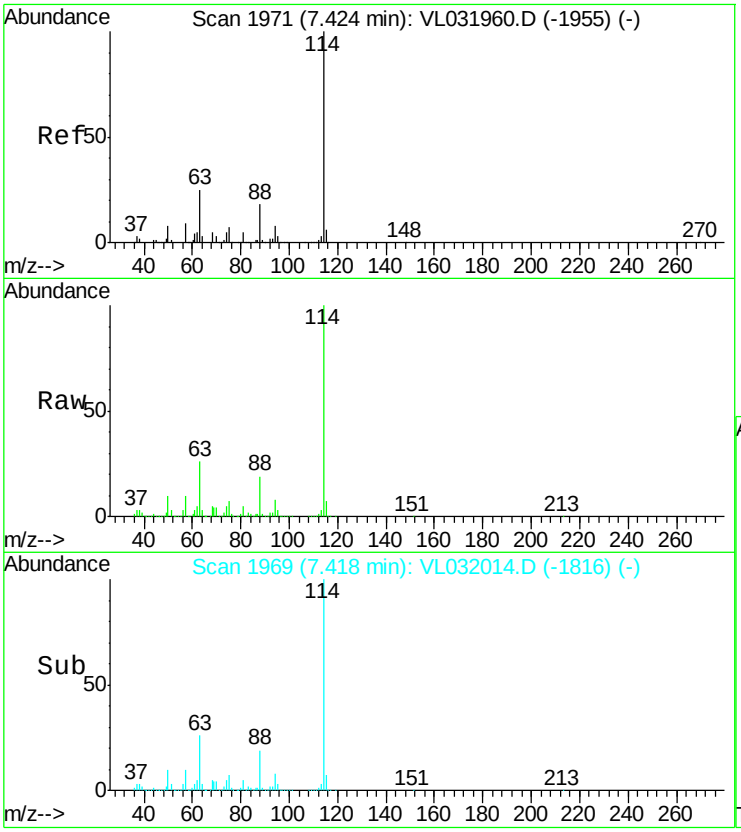


#32
1,1,1-Trichloroethane
Concen: 8.54 ppbv
RT: 6.74 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 97 Resp: 1740033

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	48.3	38.1	57.1

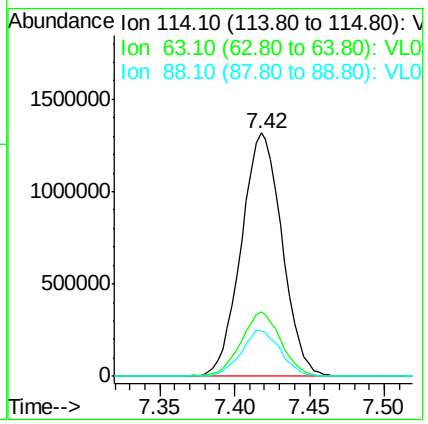




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:114 Resp: 2497717

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.8	31.2
88	18.3	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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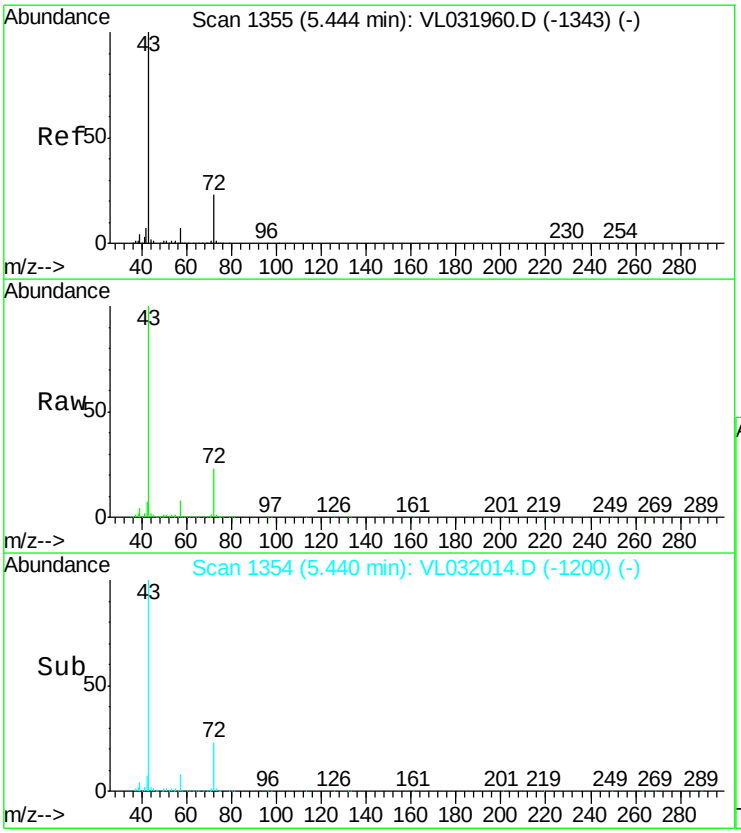
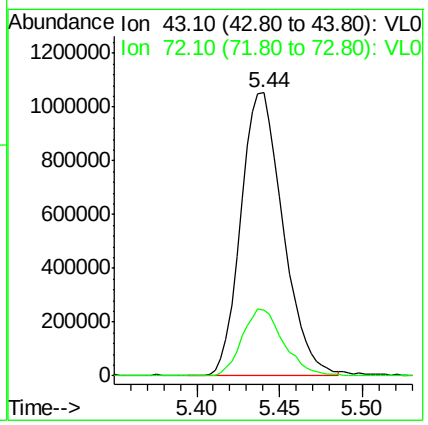
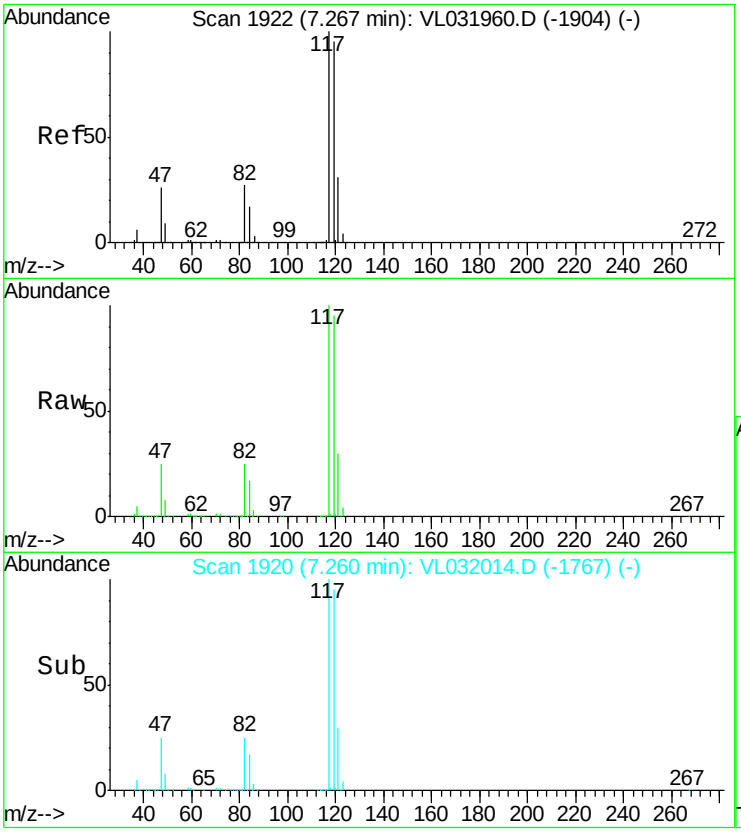


#34
2-Butanone
Concen: 9.05 ppbv
RT: 5.44 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1865182

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.3	27.5

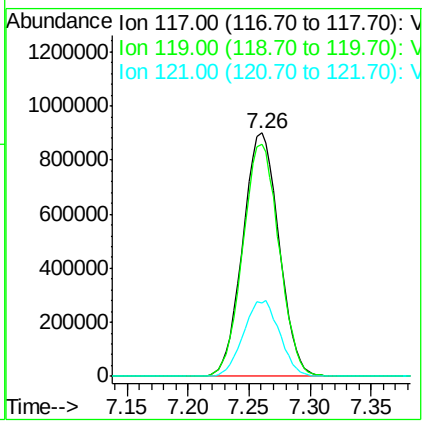




#35
Carbon Tetrachloride
Concen: 9.29 ppbv
RT: 7.26 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:117 Resp: 1839667

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.4	114.6
121	30.0	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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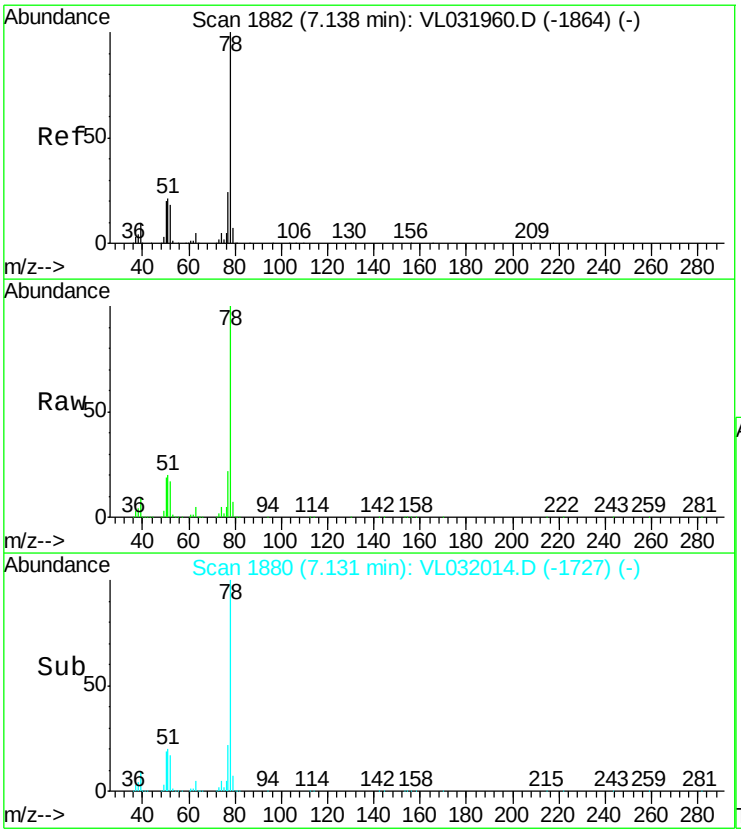
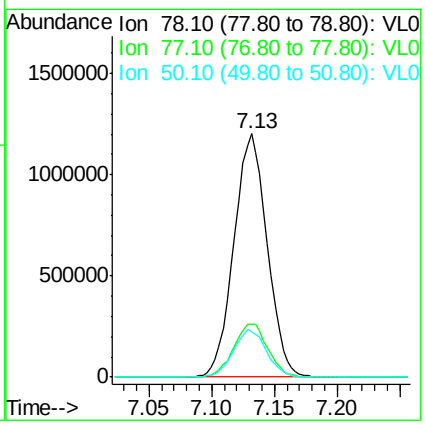
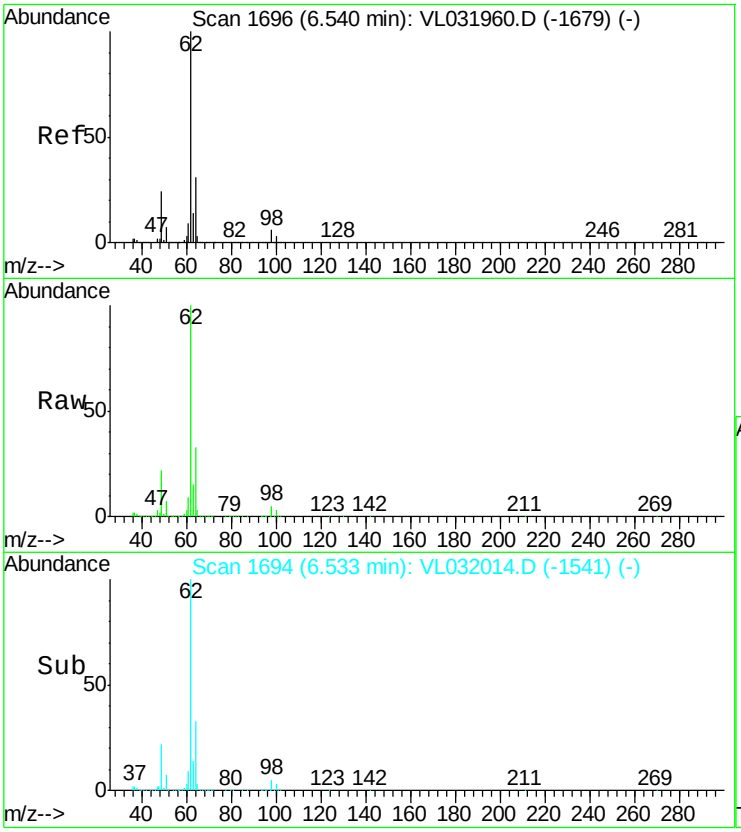


#36
Benzene
Concen: 9.43 ppbv
RT: 7.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 78 Resp: 2218147

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.2	28.8
50	18.8	16.2	24.4

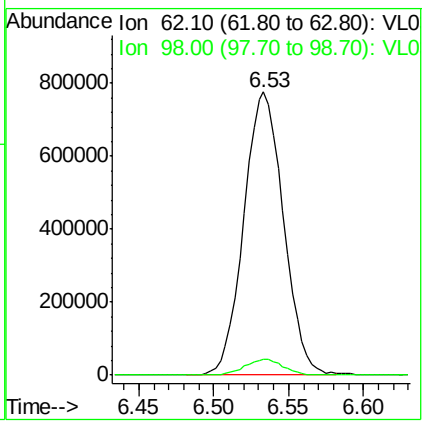




#37
1,2-Dichloroethane
Concen: 8.46 ppbv
RT: 6.53 min Scan# 1694
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 62 Resp: 1430683

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.6	6.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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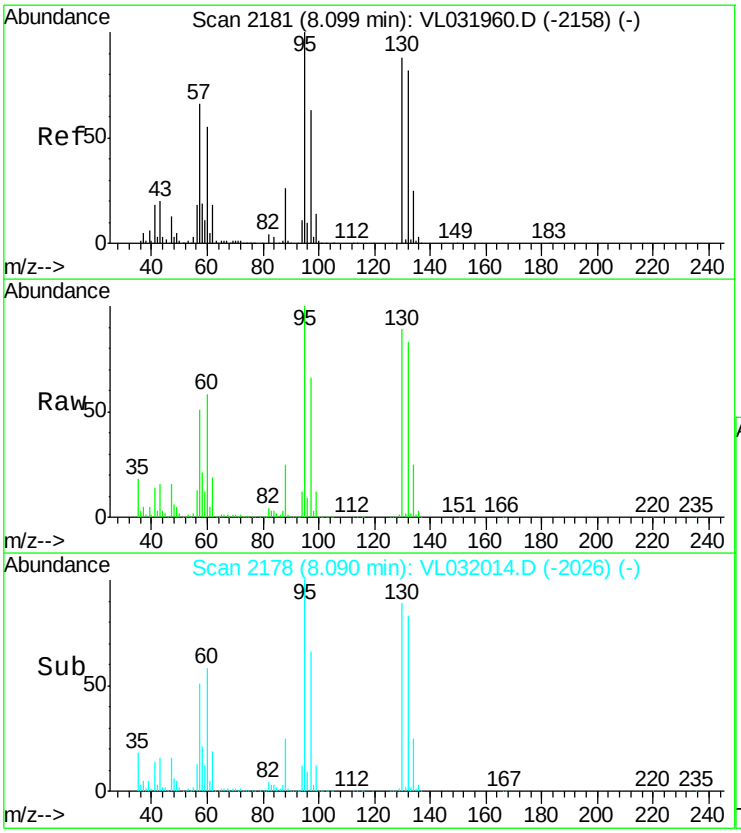
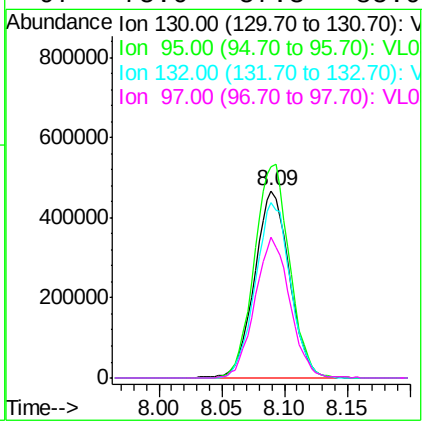
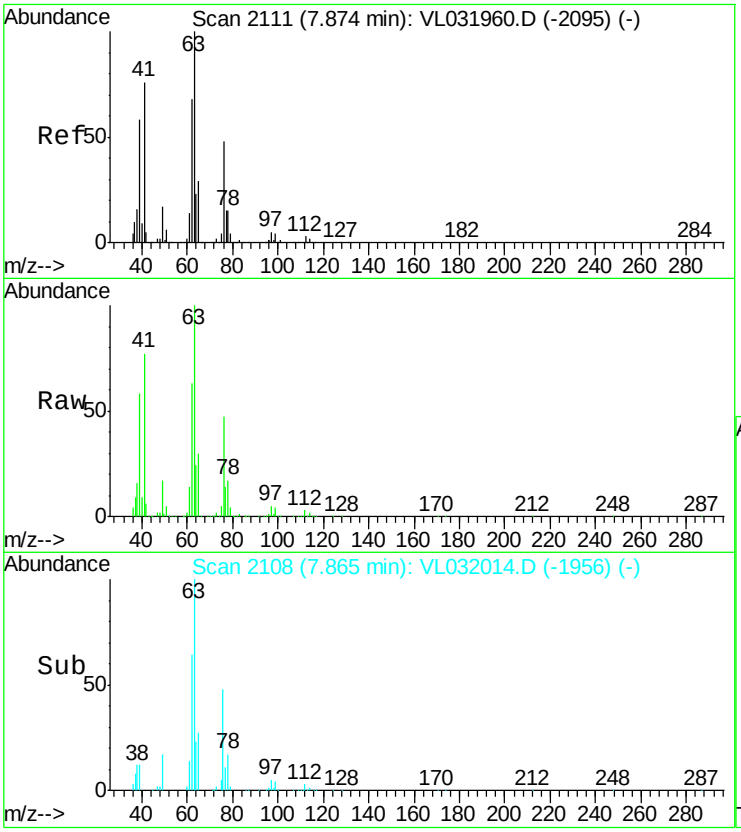


#38
Trichloroethene
Concen: 10.14 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:130 Resp: 906273

Ion	Ratio	Lower	Upper
130	100		
95	112.8	90.7	136.1
132	93.5	74.3	111.5
97	75.0	57.3	85.9

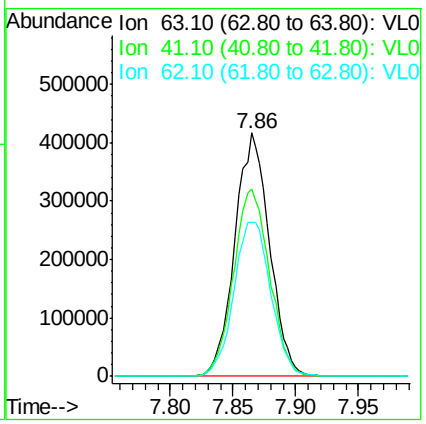




#39
1,2-Dichloropropane
Concen: 9.79 ppbv
RT: 7.86 min Scan# 2108
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 63 Resp: 801535

Ion	Ratio	Lower	Upper
63	100		
41	77.0	60.7	91.1
62	63.1	54.7	82.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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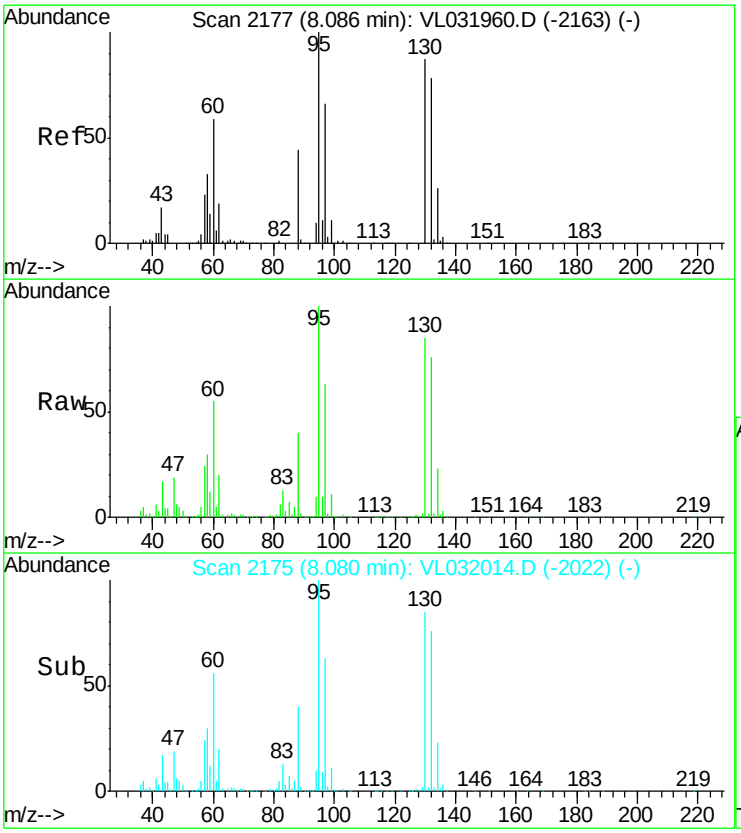
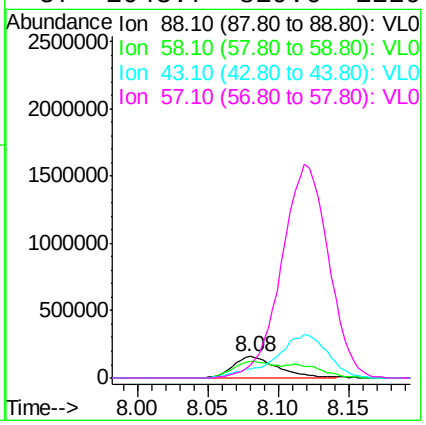
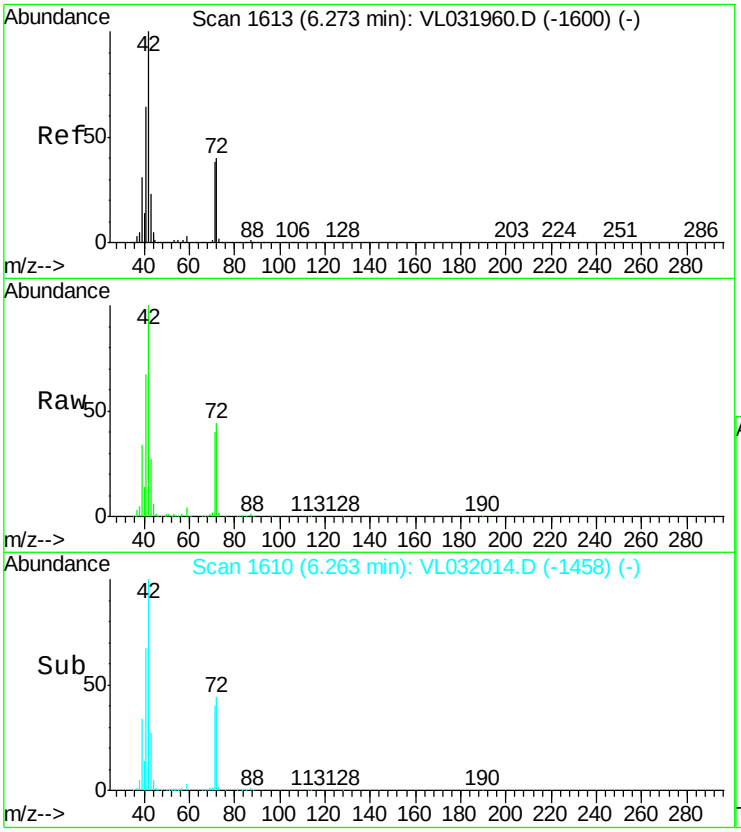


#40
1,4-Dioxane
Concen: 9.60 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 88 Resp: 354385

Ion	Ratio	Lower	Upper
88	100		
58	124.6	94.9	142.3
43	240.2	188.2	282.2
57	1043.7	819.6	1229.4

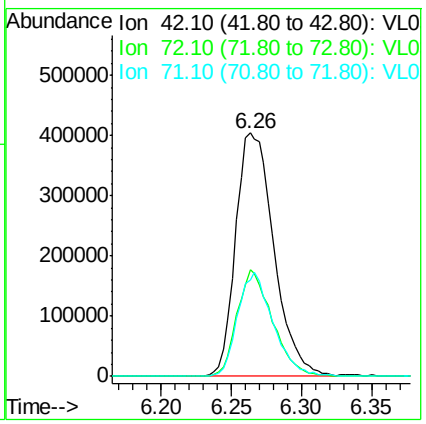




#41
Tetrahydrofuran
Concen: 8.57 ppbv
RT: 6.26 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 42 Resp: 769064

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.3	48.5
71	39.8	31.4	47.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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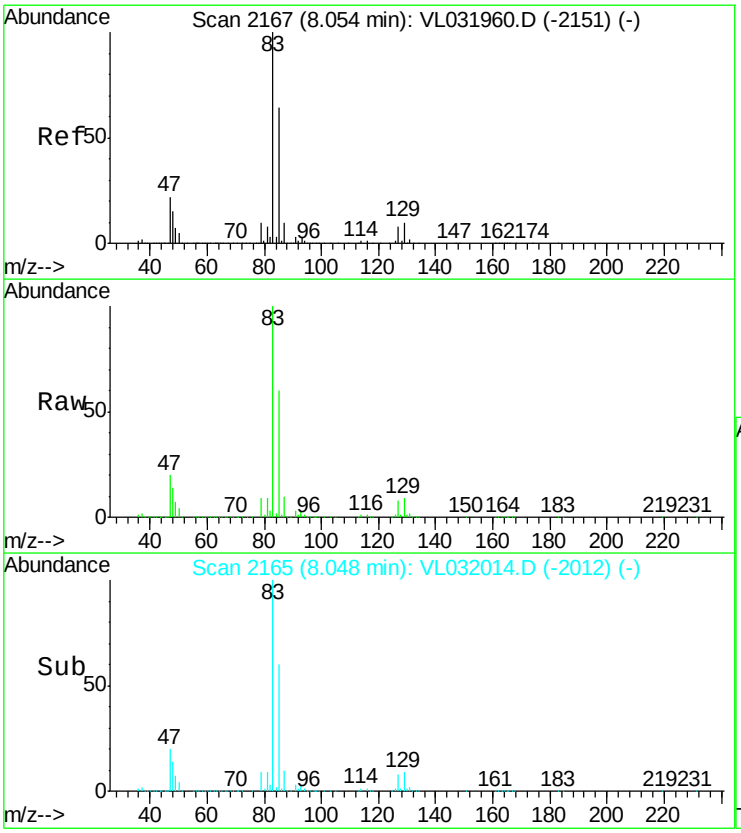
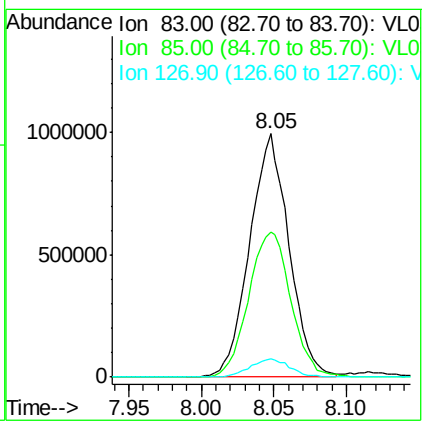
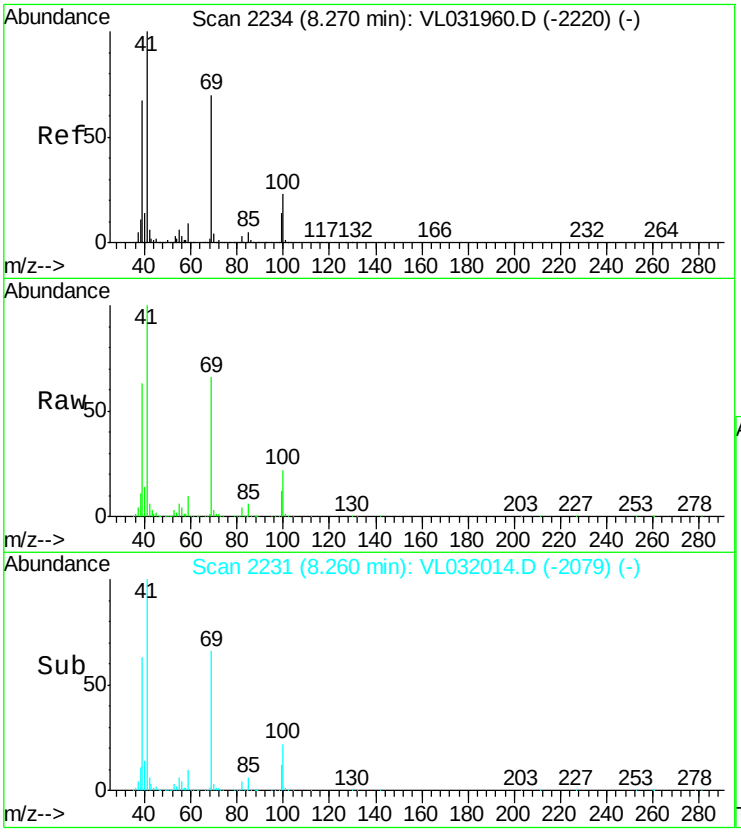


#42
Bromodichloromethane
Concen: 9.95 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 83 Resp: 1876585

Ion	Ratio	Lower	Upper
83	100		
85	59.8	51.0	76.6
127	7.6	6.7	10.1

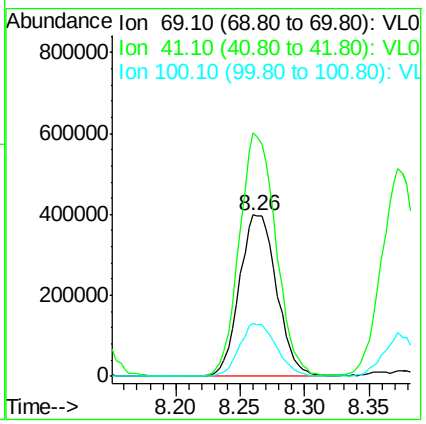




#43
Methyl Methacrylate
Concen: 10.14 ppbv
RT: 8.26 min Scan# 2231
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 69 Resp: 803685

Ion	Ratio	Lower	Upper
69	100		
41	147.9	119.4	179.2
100	32.5	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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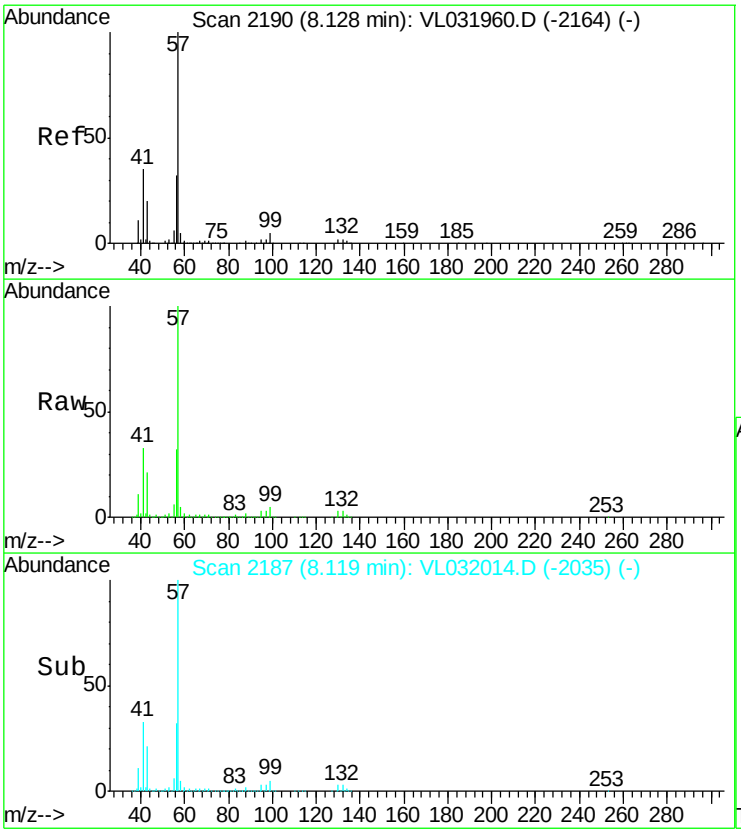
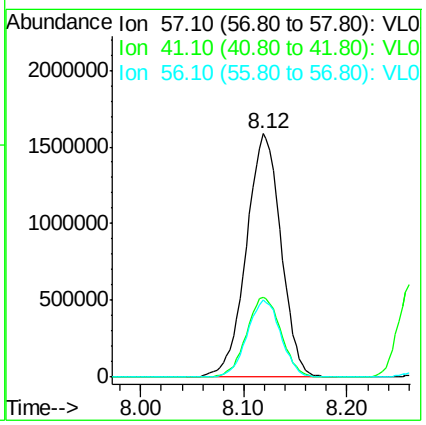
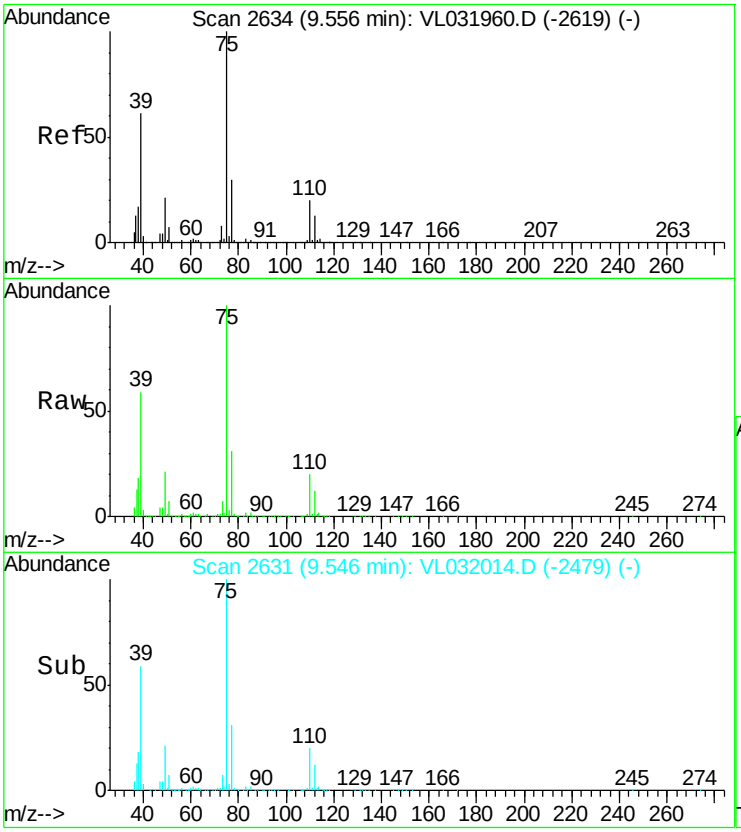


#44
2,2,4-Trimethylpentane
Concen: 9.73 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 57 Resp: 3692627

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.6	39.8
56	30.7	24.4	36.6

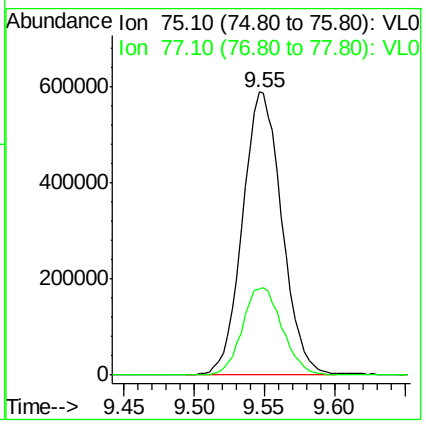




#45
t-1,3-Dichloropropene
Concen: 10.93 ppbv
RT: 9.55 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 75 Resp: 1148305

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
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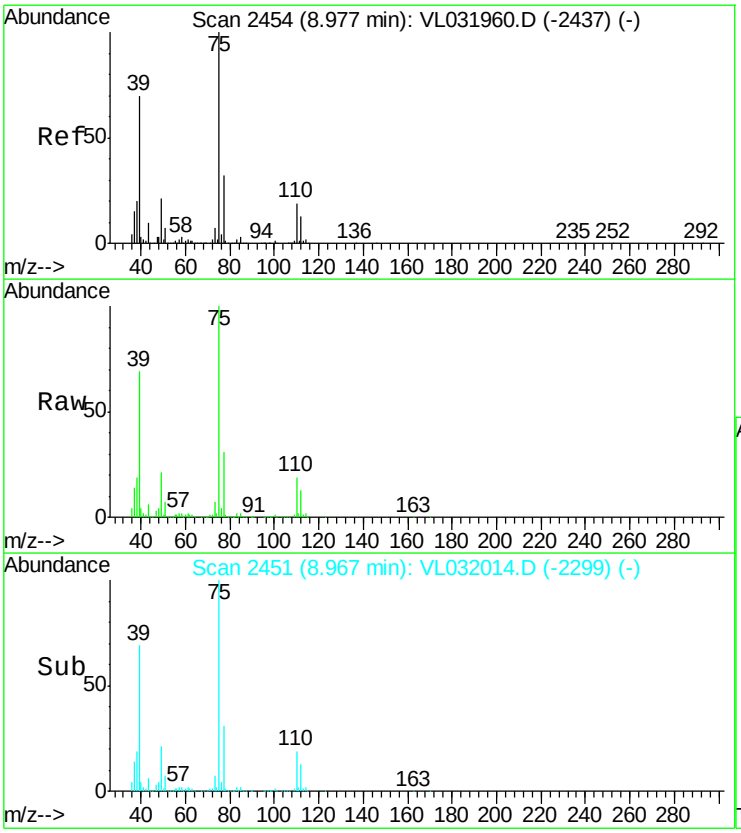
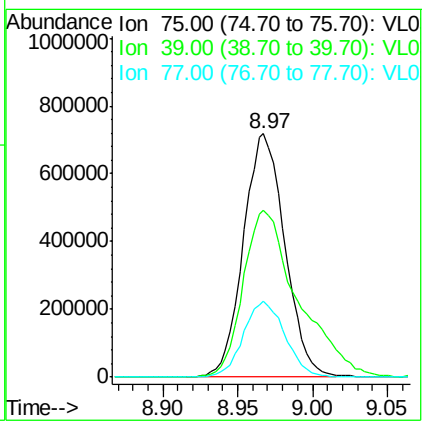
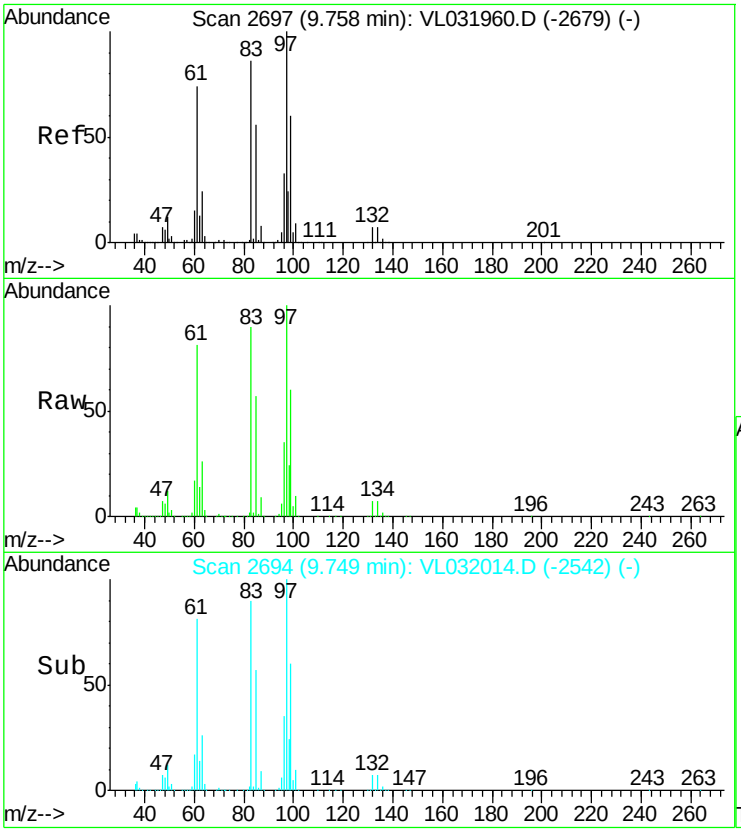


#46
cis-1,3-Dichloropropene
Concen: 10.65 ppbv
RT: 8.97 min Scan# 2451
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 75 Resp: 1381287

Ion	Ratio	Lower	Upper
75	100		
39	68.6	55.7	83.5
77	31.5	25.9	38.9

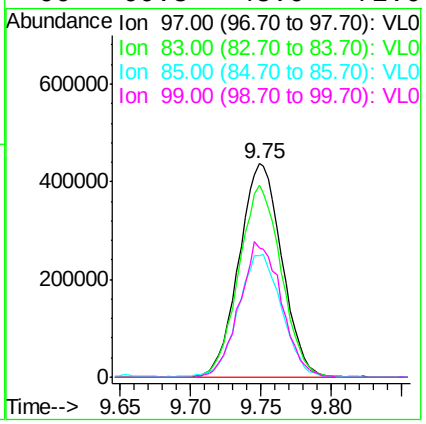




#47
1,1,2-Trichloroethane
Concen: 9.56 ppbv
RT: 9.75 min Scan# 2694
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 97 Resp: 925988

Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.0	103.4
85	56.5	45.0	67.6
99	60.3	48.0	72.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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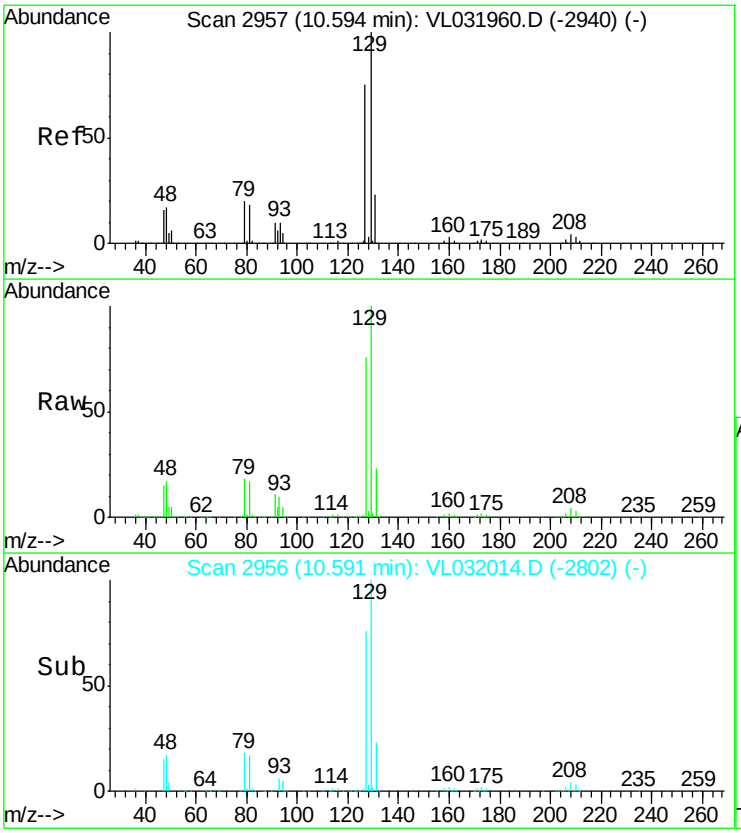
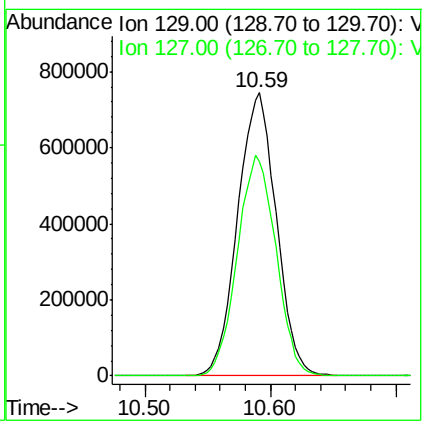
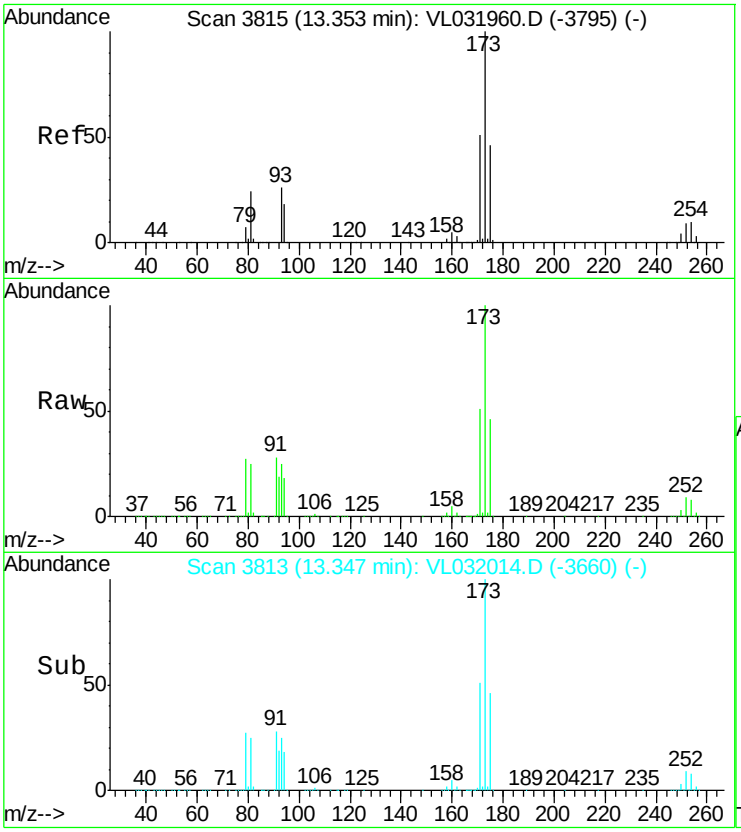


#48
Dibromochloromethane
Concen: 10.25 ppbv
RT: 10.59 min Scan# 2956
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:129 Resp: 1593513

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

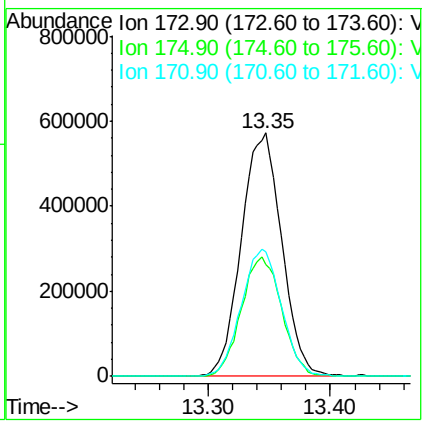




#49
Bromoform
Concen: 10.87 ppbv
RT: 13.35 min Scan# 3813
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:173 Resp: 1310176

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.2	58.8
171	52.1	41.5	62.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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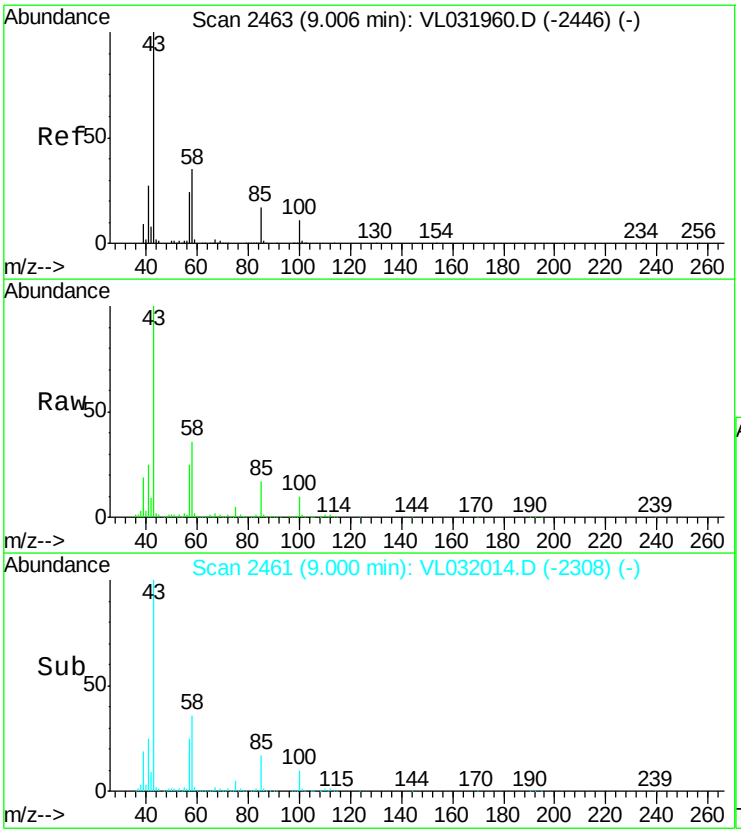
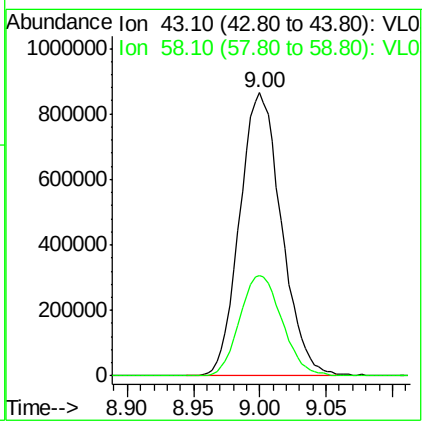
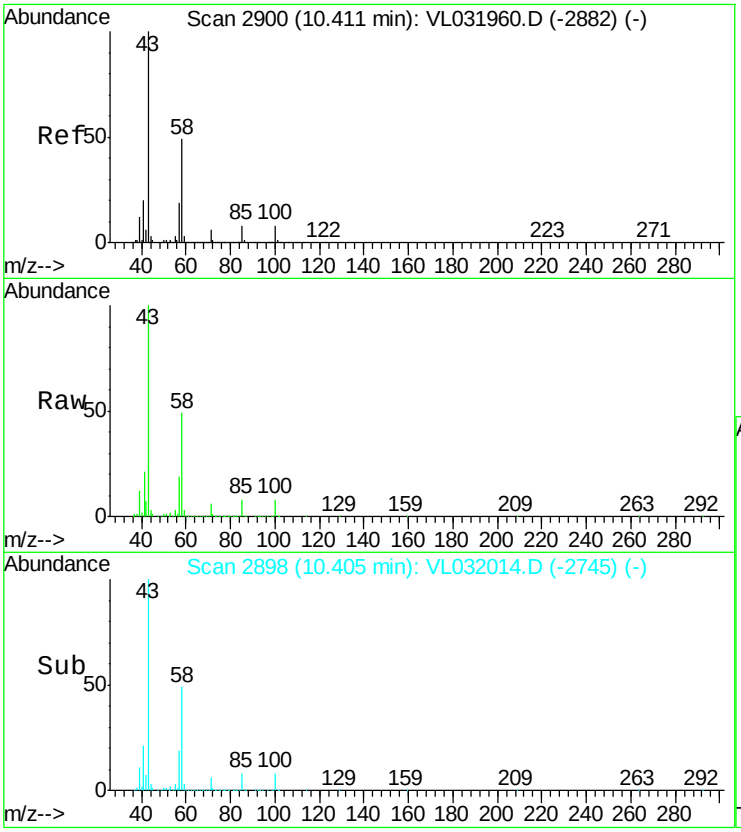


#50
4-Methyl-2-Pentanone
Concen: 9.73 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1893424

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.6	42.8

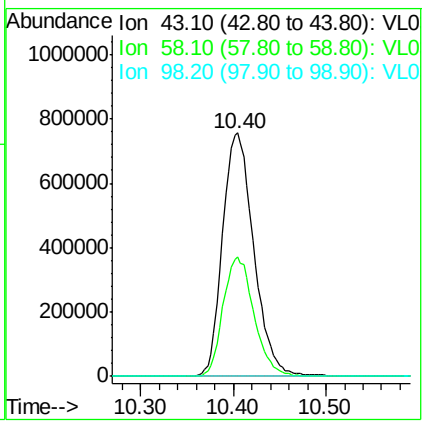




#51
2-Hexanone
Concen: 9.96 ppbv
RT: 10.40 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1764531

Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.6	58.0
98	0.3	0.2	0.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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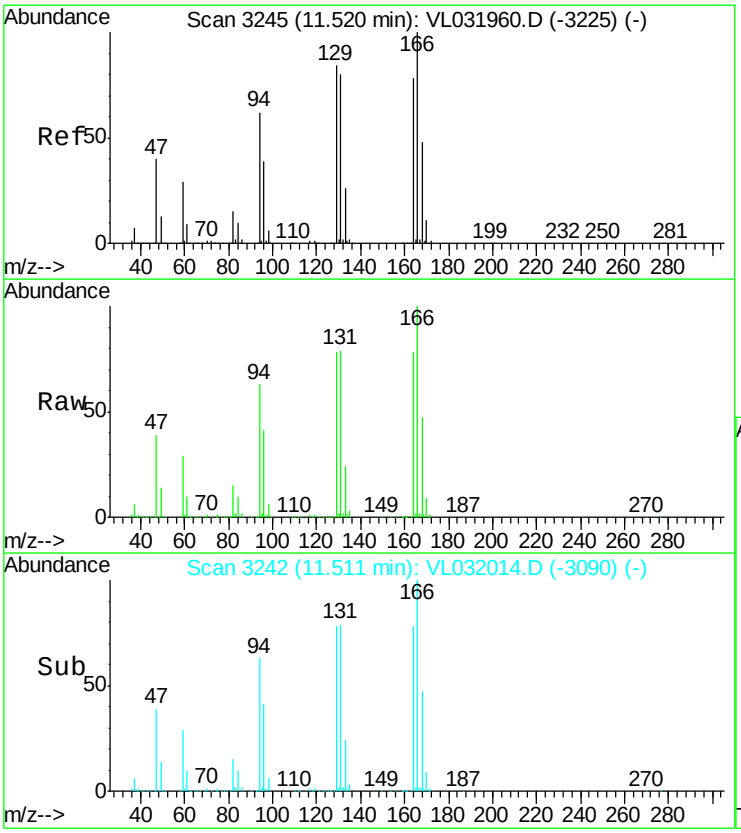
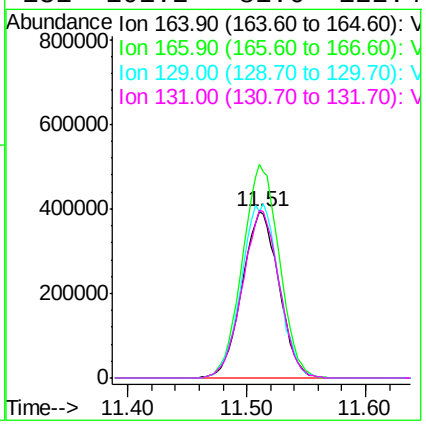
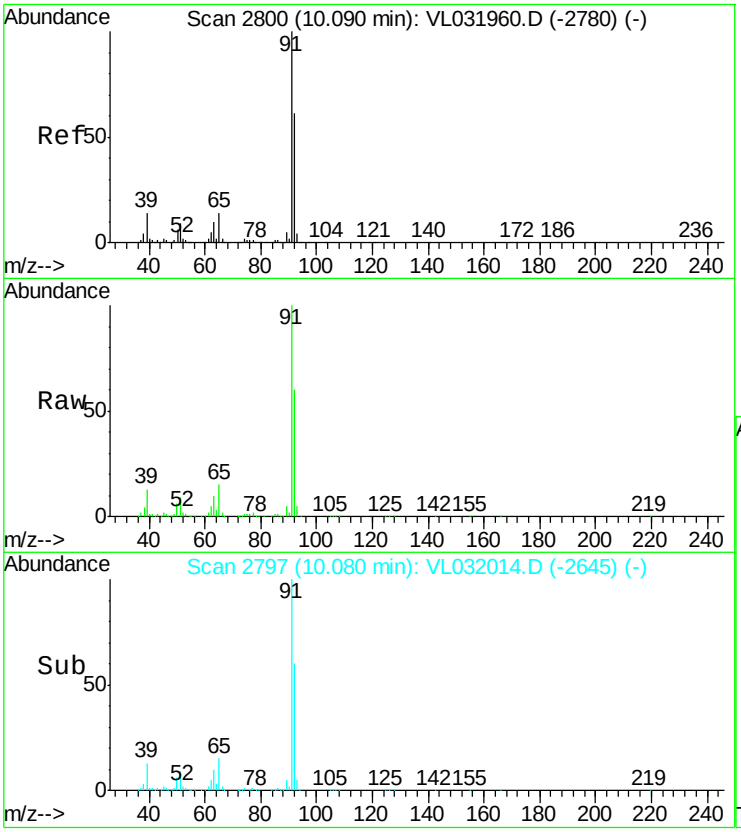


#52
Tetrachloroethene
Concen: 9.65 ppbv
RT: 11.51 min Scan# 3242
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:164 Resp: 840707

Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.9	152.9
129	100.3	85.8	128.6
131	101.2	81.6	122.4





#53
Toluene
Concen: 10.20 ppbv
RT: 10.08 min Scan# 2797
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 2587696

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.4	71.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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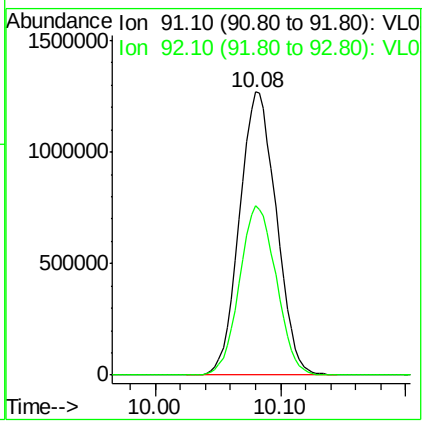
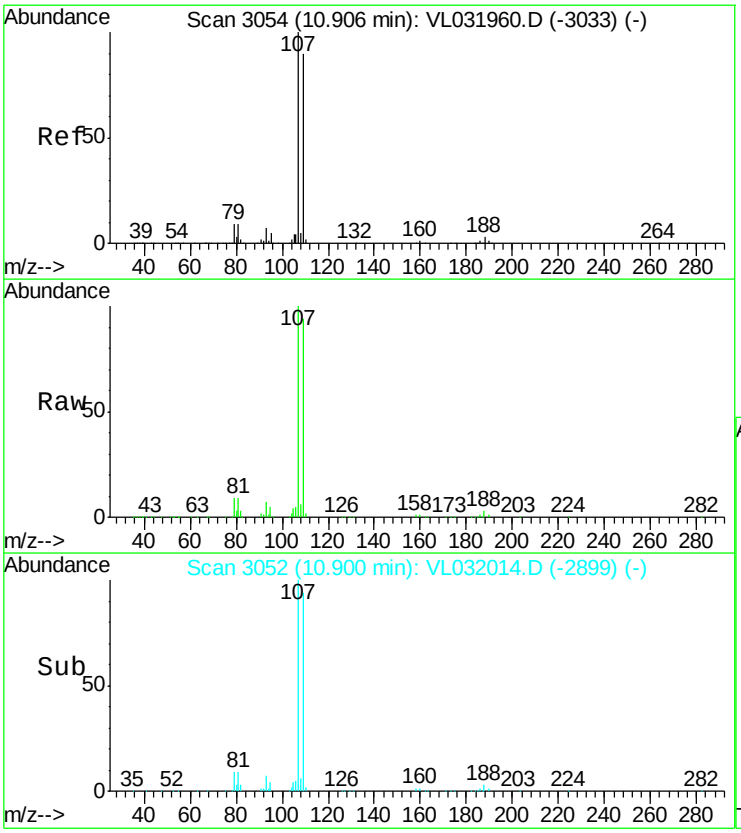
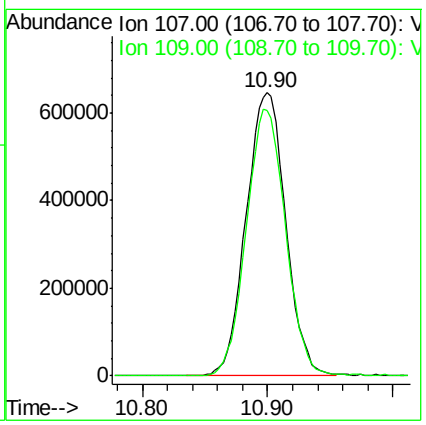


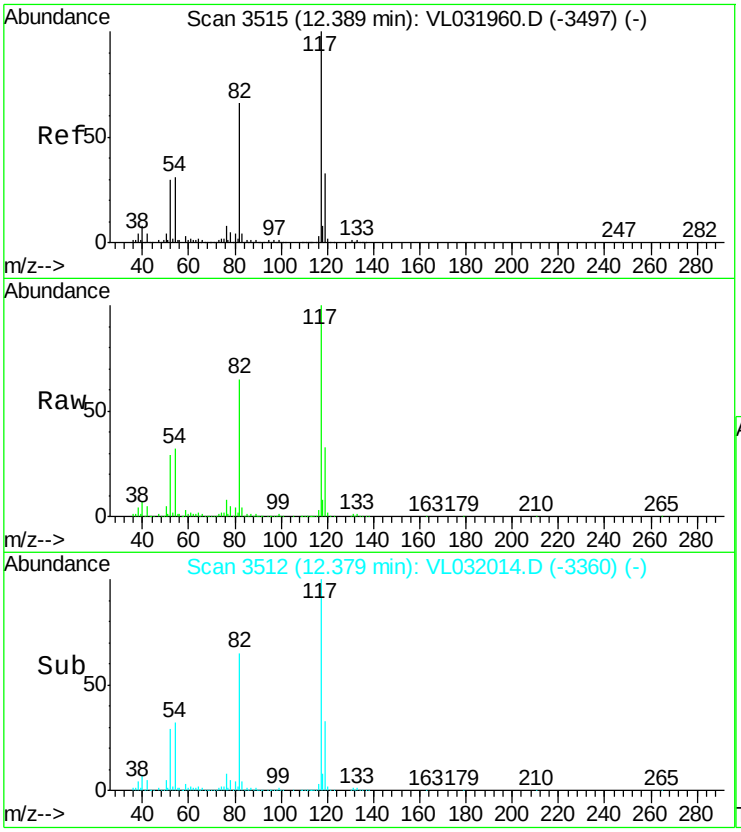


#54
1,2-Dibromoethane
Concen: 9.79 ppbv
RT: 10.90 min Scan# 3052
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:107 Resp: 1414213

Ion	Ratio	Lower	Upper
107	100		
109	93.6	72.1	108.1

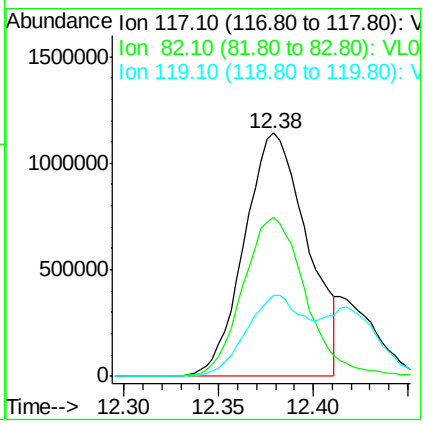




#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.38 min Scan# 3512
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:117 Resp: 2648245

Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.6	77.4
119	29.6	44.2	66.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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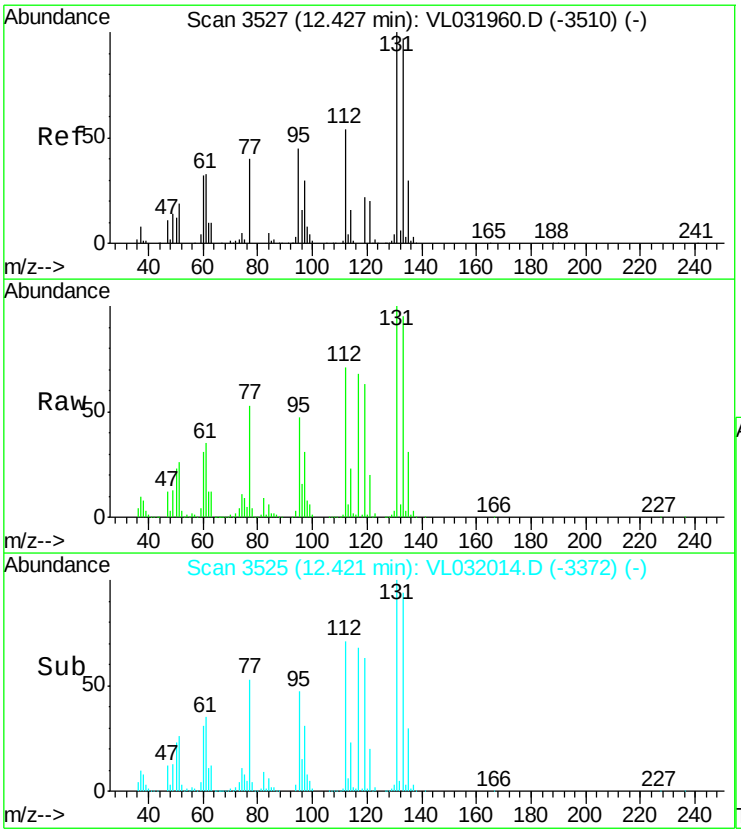
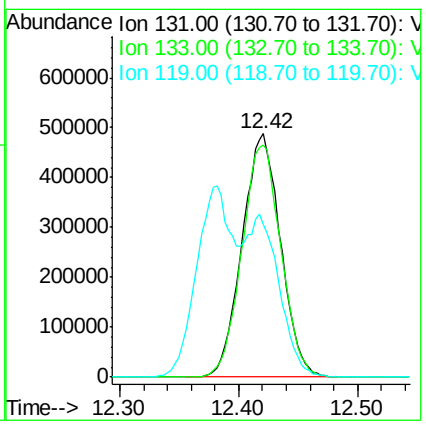
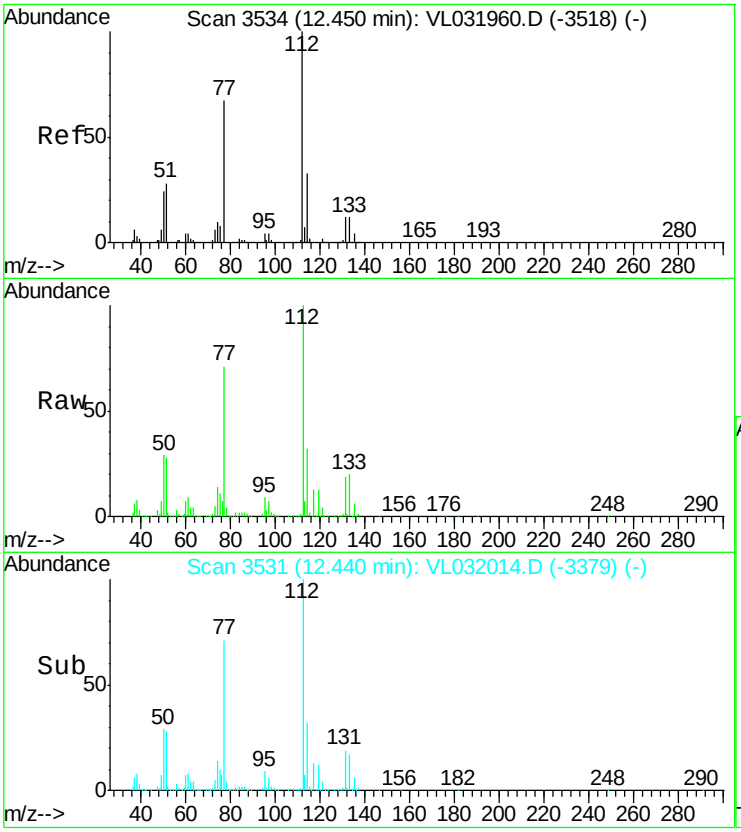


#56
1,1,1,2-Tetrachloroethane
Concen: 9.05 ppbv
RT: 12.42 min Scan# 3525
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:131 Resp: 1091017

Ion	Ratio	Lower	Upper
131	100		
133	97.1	76.2	114.4
119	58.5	44.7	67.1

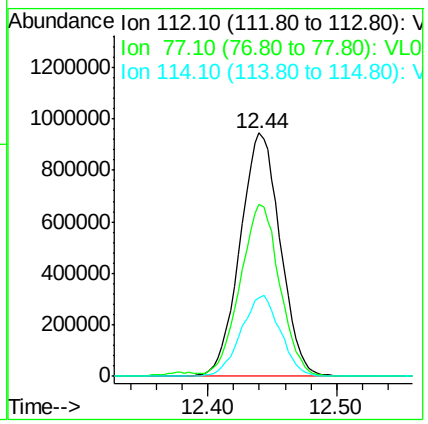




#57
Chlorobenzene
Concen: 8.94 ppbv
RT: 12.44 min Scan# 3531
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:112 Resp: 2040997

Ion	Ratio	Lower	Upper
112	100		
77	70.5	54.6	82.0
114	31.9	29.2	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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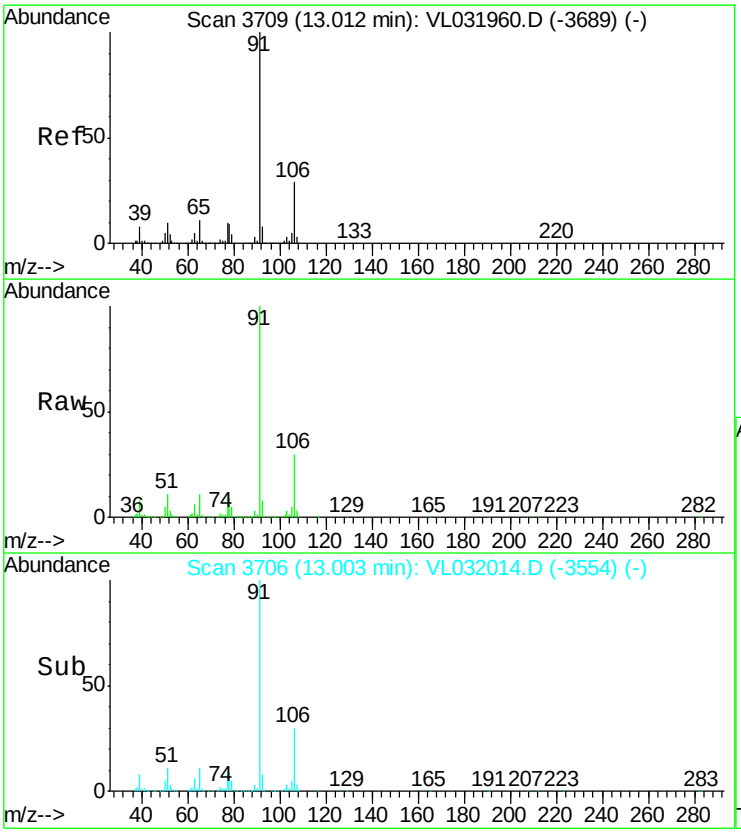
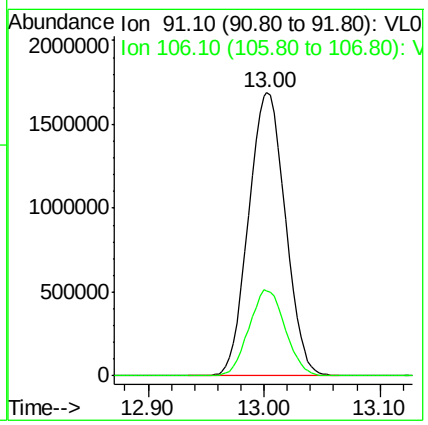
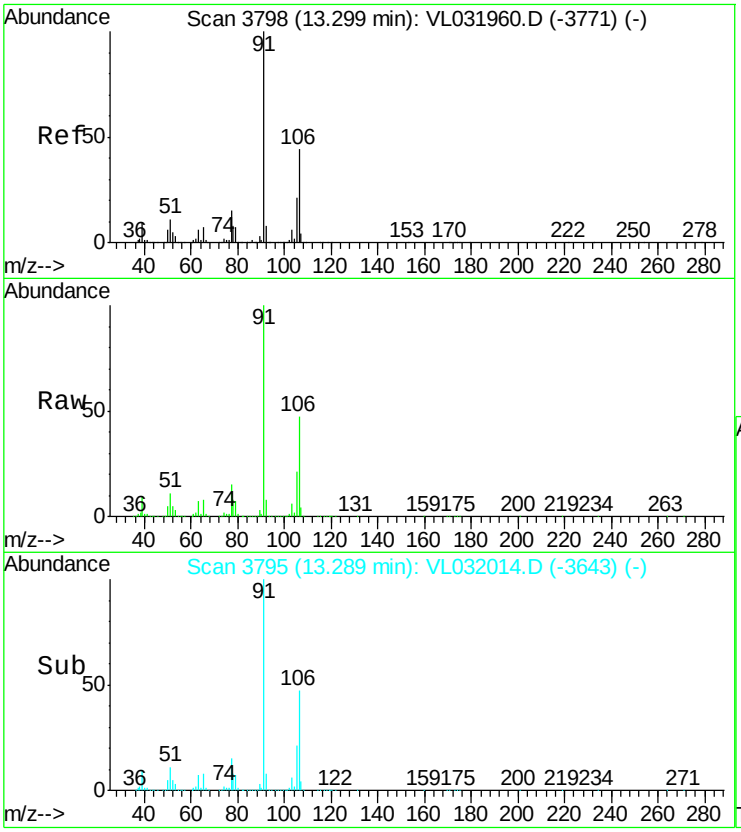


#58
Ethyl Benzene
Concen: 9.84 ppbv
RT: 13.00 min Scan# 3706
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 3732327

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

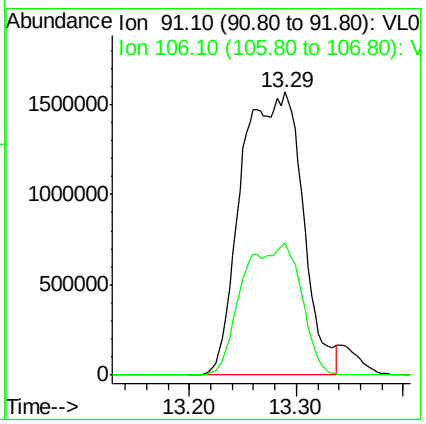




#59
m/p-Xylene
Concen: 19.40 ppbv m
RT: 13.29 min Scan# 3795
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 6240238

Ion	Ratio	Lower	Upper
91	100		
106	44.4	35.9	53.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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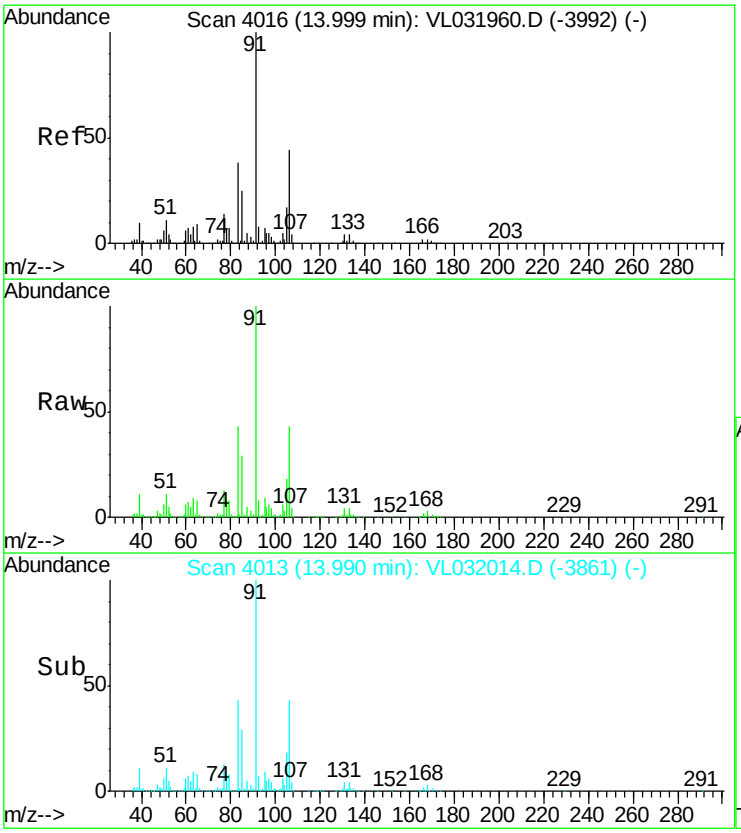
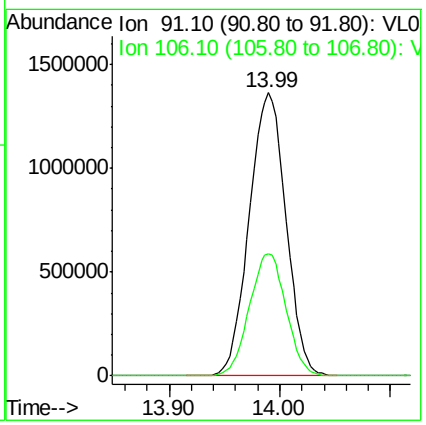
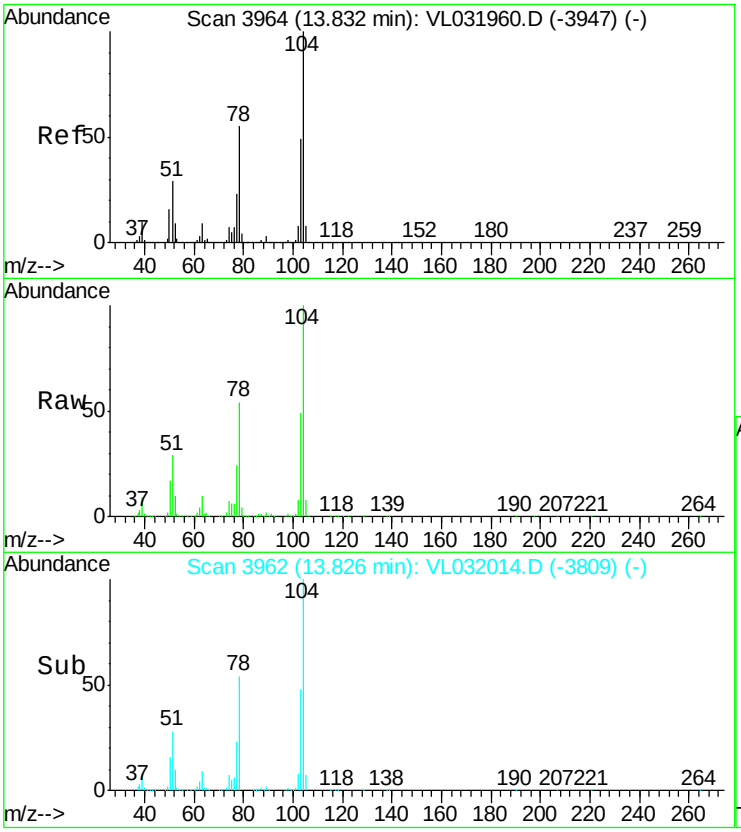


#60
o-Xylene
Concen: 9.74 ppbv
RT: 13.99 min Scan# 4013
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 3145960

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.5	64.5

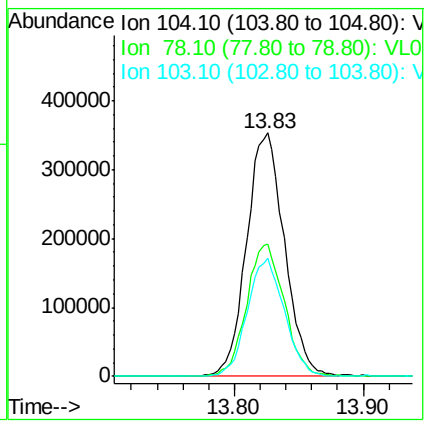




#61
Stvrene
Concen: 11.03 ppbv
RT: 13.83 min Scan# 3962
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:104 Resp: 722424

Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.8	65.8
103	47.5	38.4	57.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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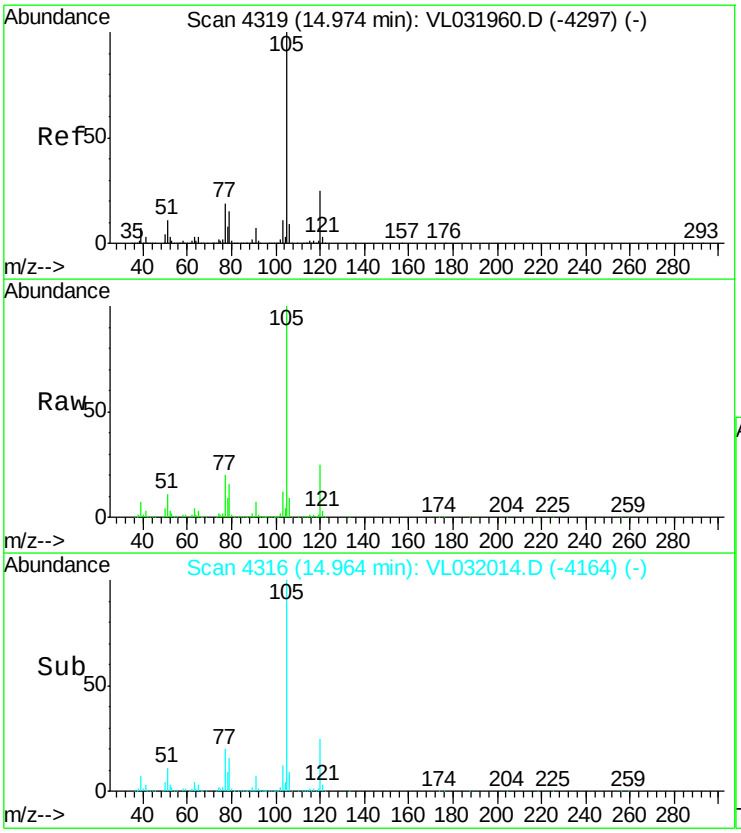
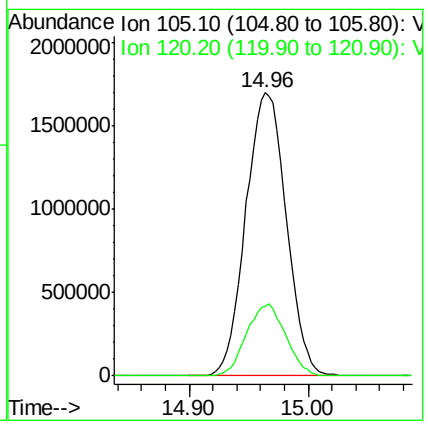
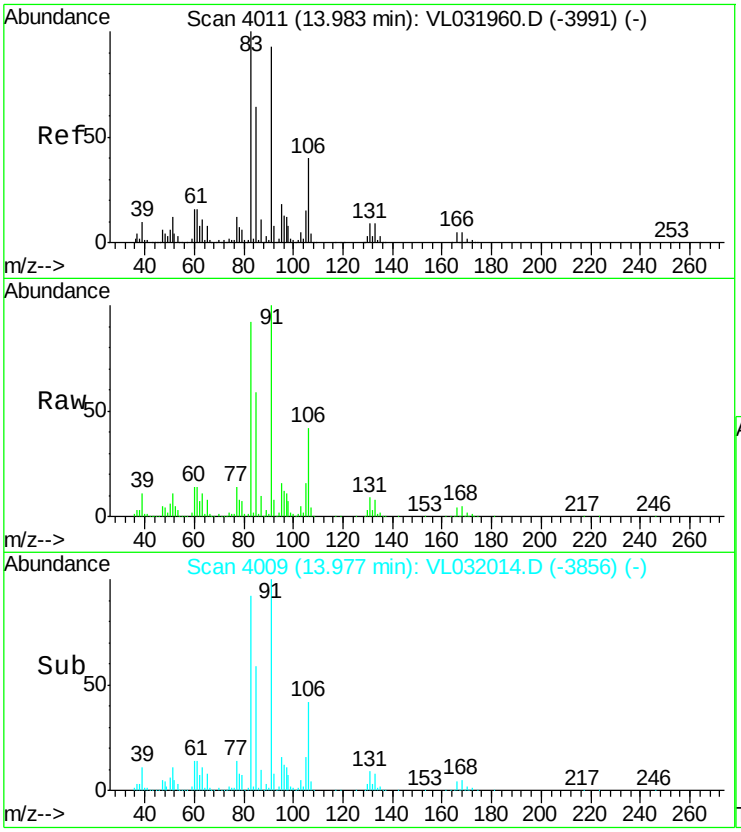


#62
Isopropylbenzene
Concen: 9.69 ppbv
RT: 14.96 min Scan# 4316
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3998895

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.9	29.9

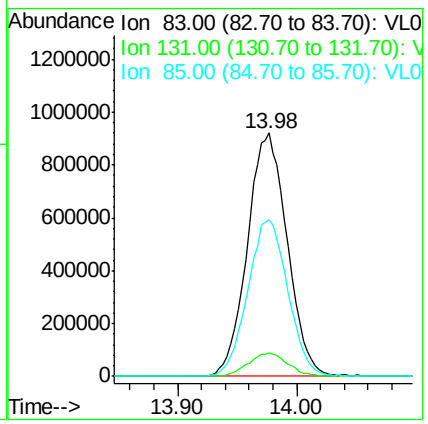




#63
1,1,2,2-Tetrachloroethane
Concen: 9.28 ppbv
RT: 13.98 min Scan# 4009
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 83 Resp: 2128288

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	65.2	32.7	98.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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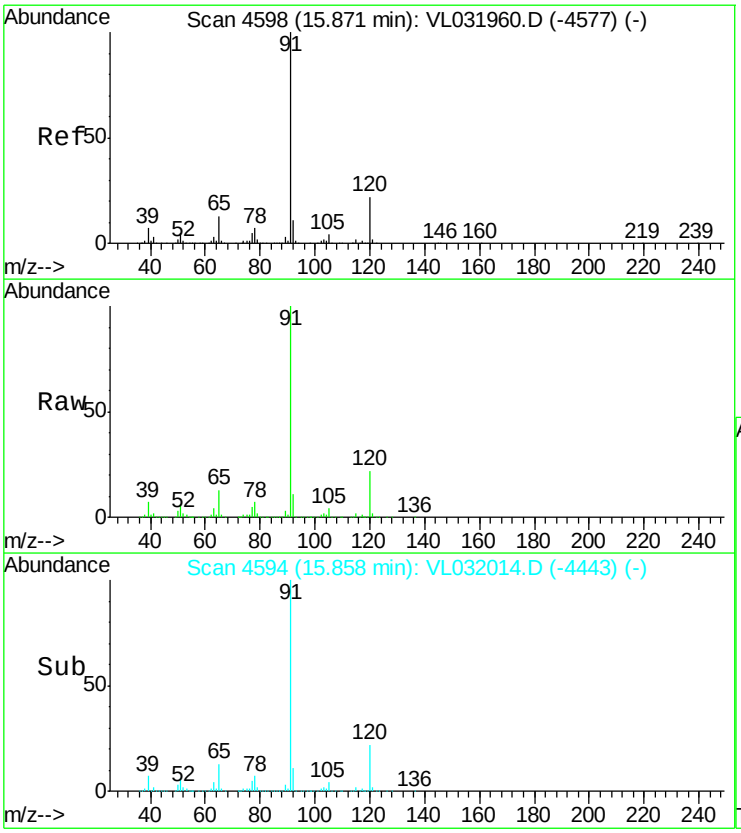
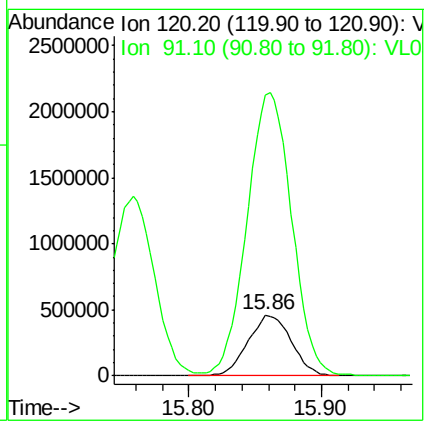
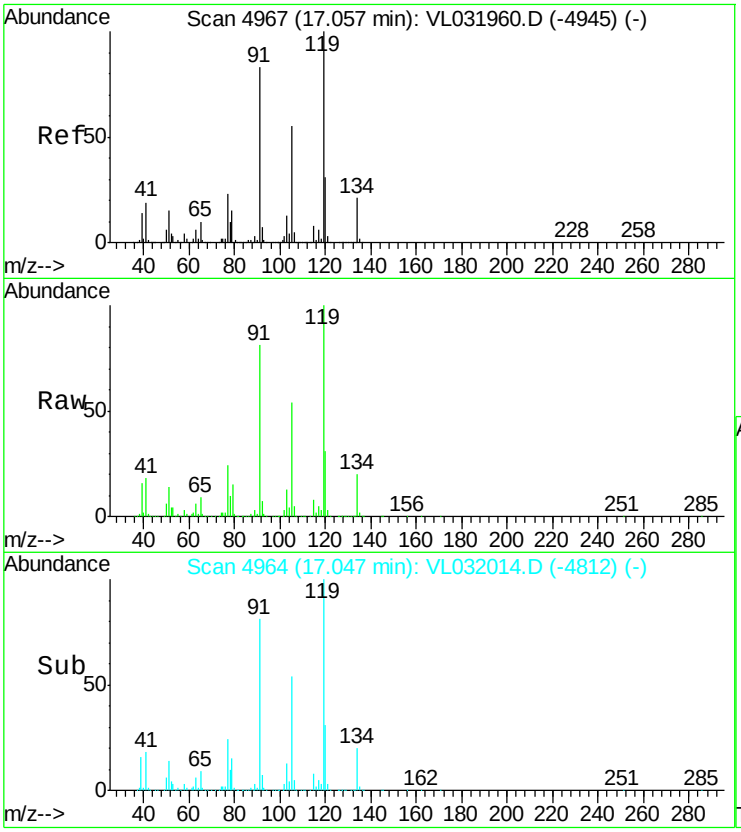


#64
n-propylbenzene
Concen: 10.17 ppbv
RT: 15.86 min Scan# 4594
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:120 Resp: 1052811

Ion	Ratio	Lower	Upper
120	100		
91	477.9	388.6	583.0

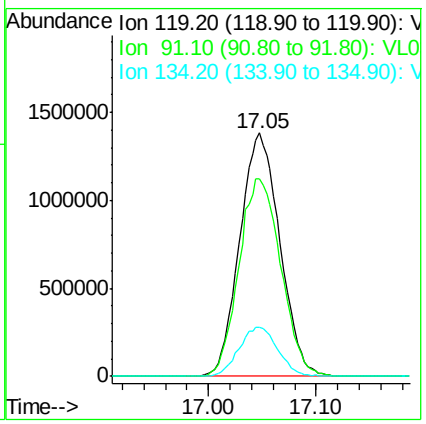




#65
tert-Butylbenzene
Concen: 9.68 ppbv
RT: 17.05 min Scan# 4964
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:119 Resp: 3561693

Ion	Ratio	Lower	Upper
119	100		
91	85.2	68.1	102.1
134	19.5	15.4	23.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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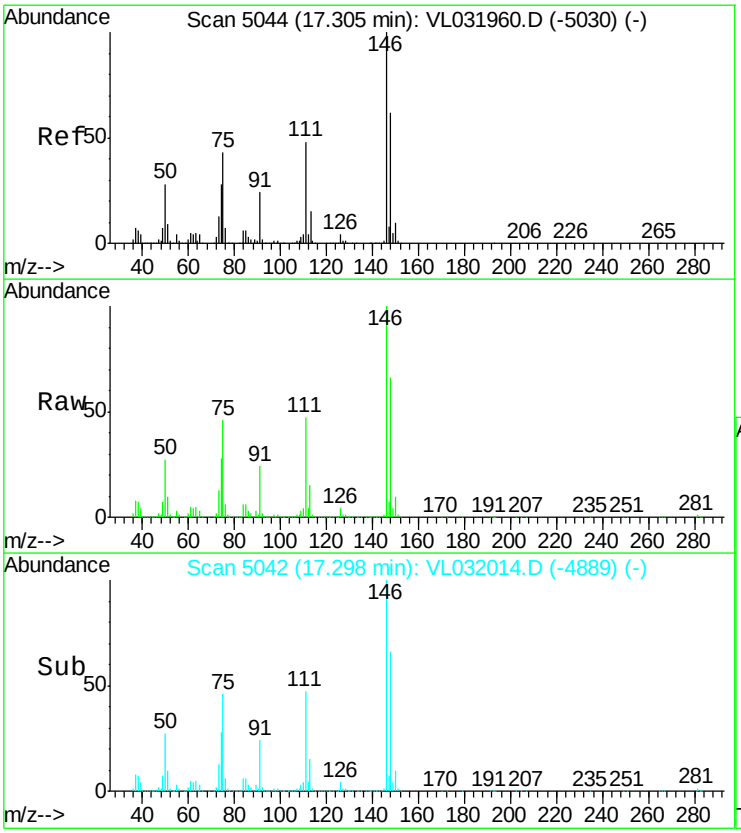
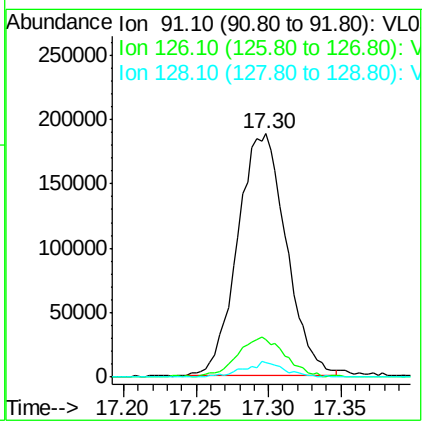
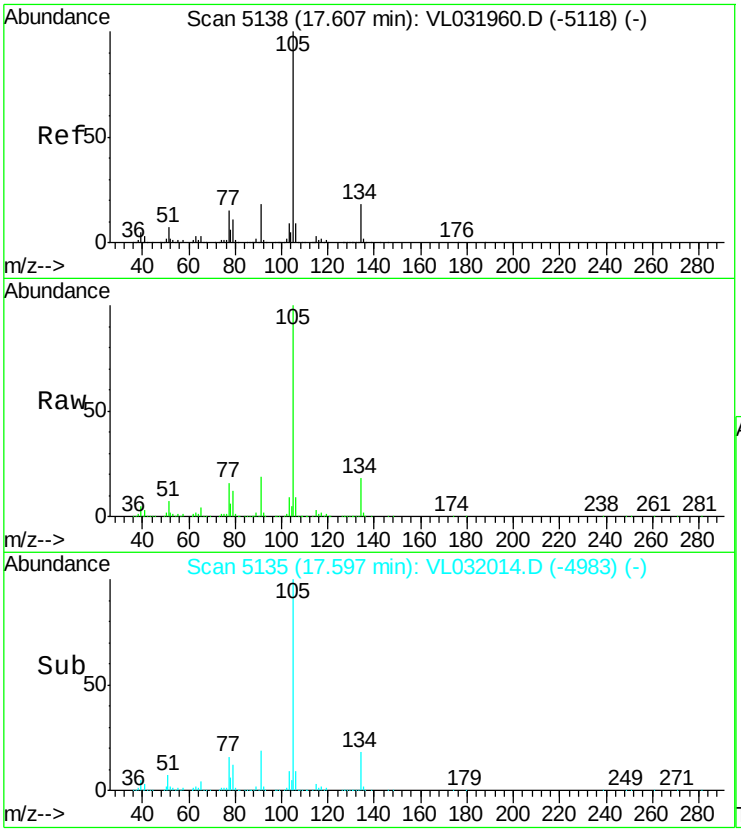


#66
Benzyl Chloride
Concen: 13.05 ppbv
RT: 17.30 min Scan# 5042
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 436313

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.4	20.0
128	5.5	4.6	6.8

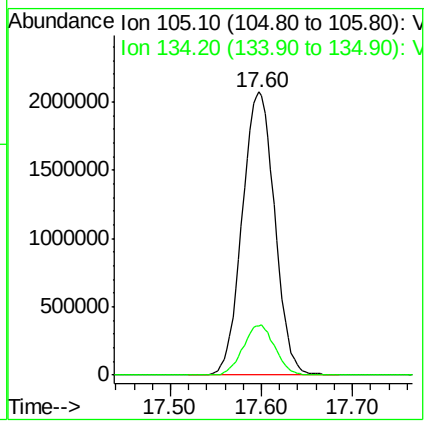




#67
sec-Butylbenzene
Concen: 10.01 ppbv
RT: 17.60 min Scan# 5135
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 5117051

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.2	21.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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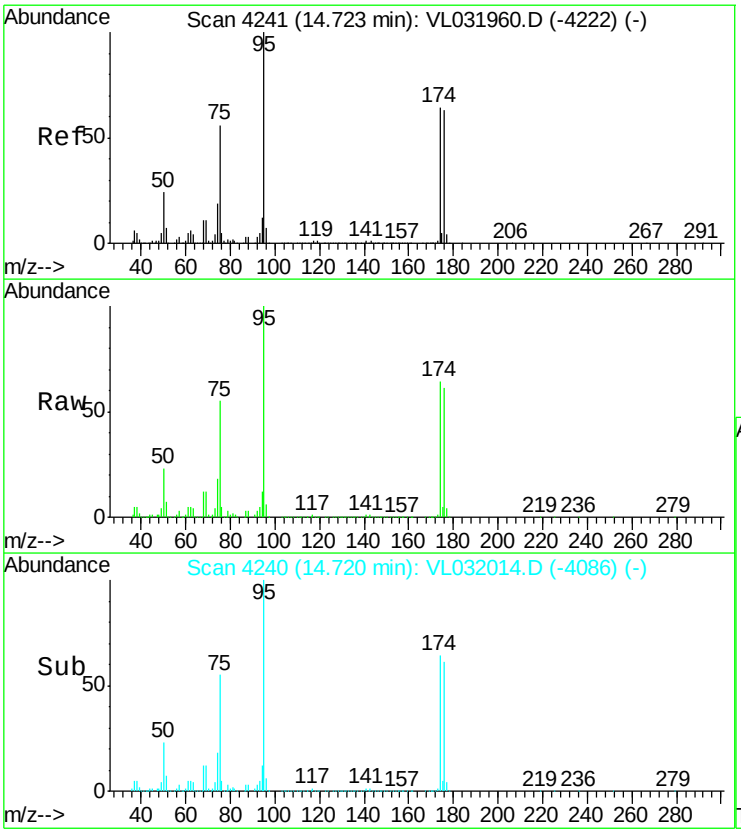
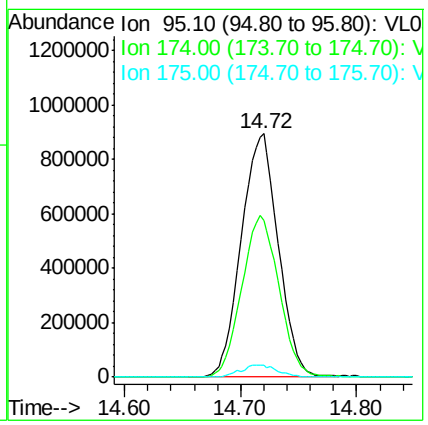
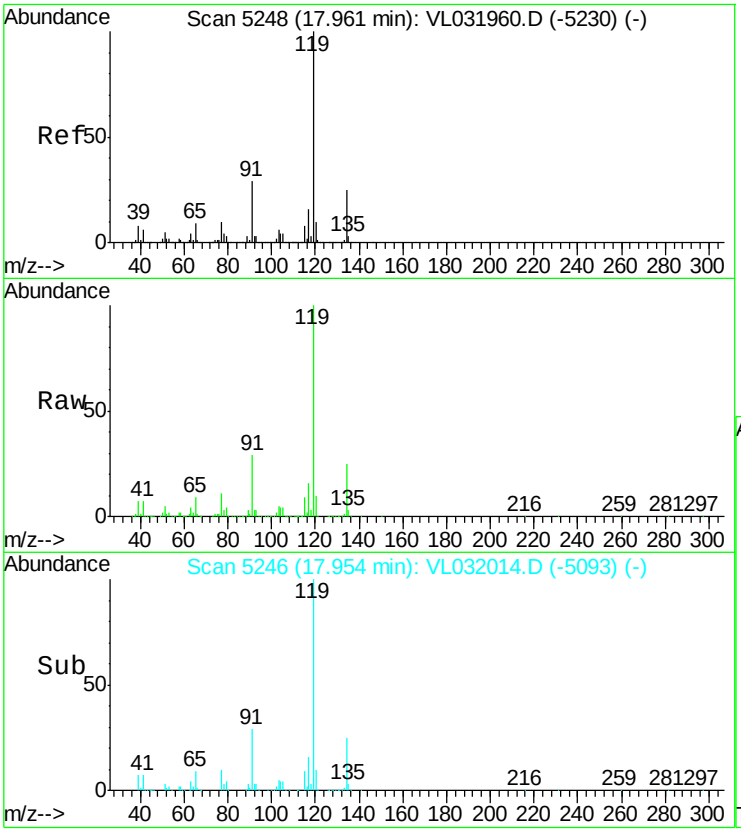


#68
1-Bromo-4-Fluorobenzene
Concen: 9.69 ppbv
RT: 14.72 min Scan# 4240
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 95 Resp: 1989350

Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.0	79.6
175	5.0	3.9	5.9

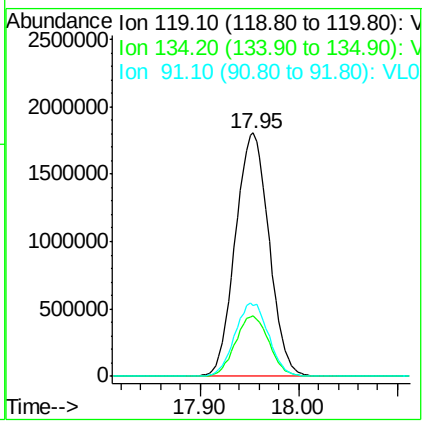




#69
p-Isopropyltoluene
Concen: 10.40 ppbv
RT: 17.95 min Scan# 5246
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:119 Resp: 4270191

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.8	29.8
91	30.0	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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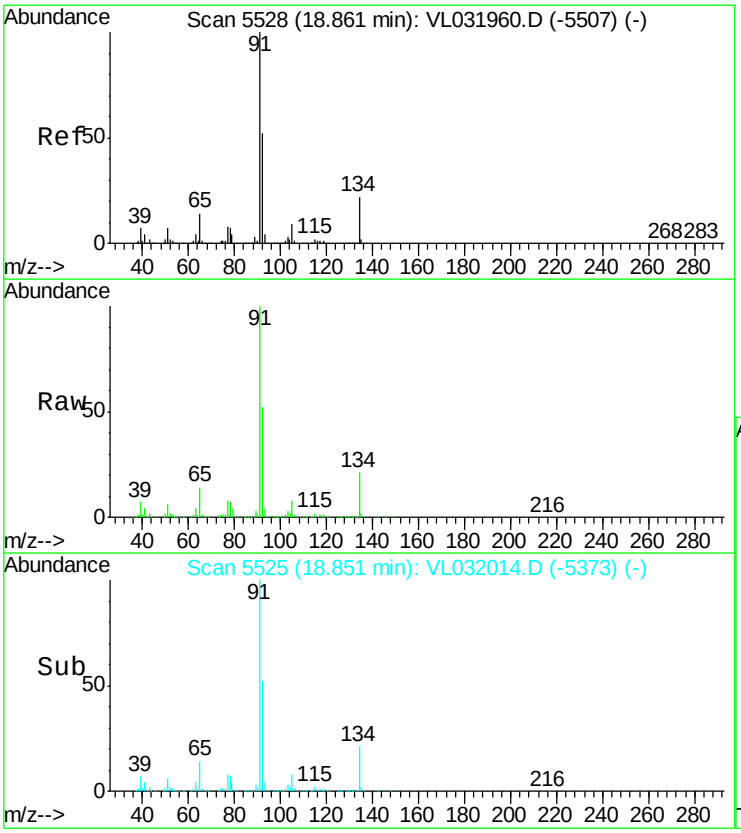
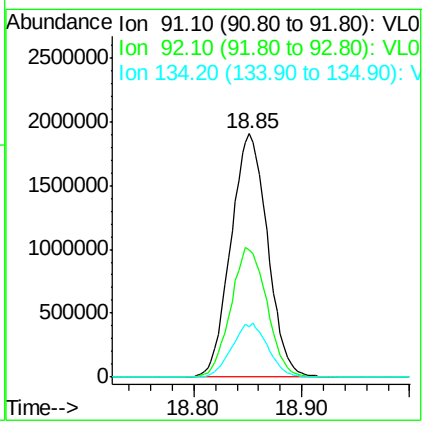
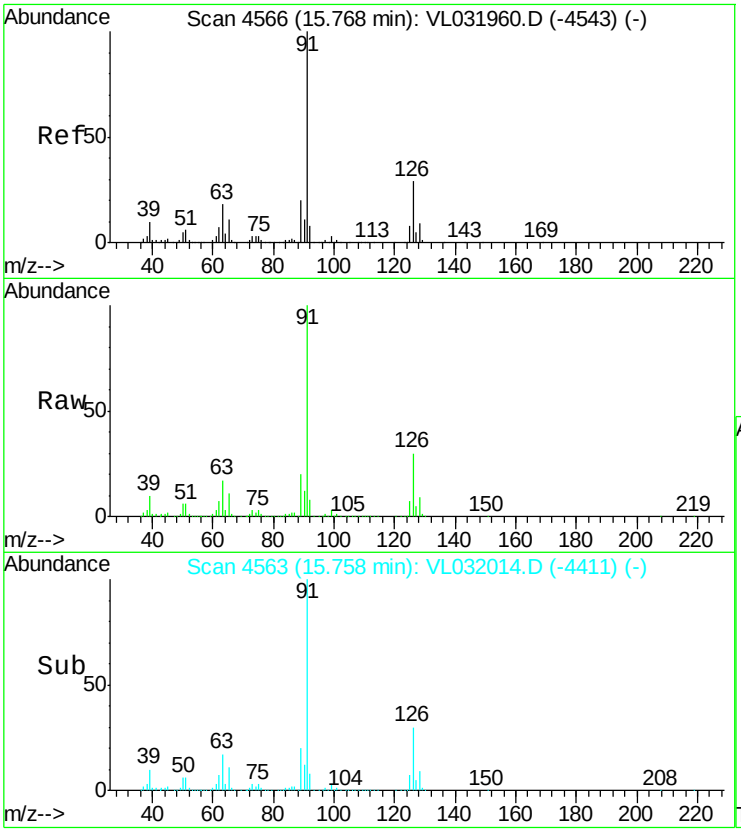


#70
n-Butylbenzene
Concen: 10.57 ppbv
RT: 18.85 min Scan# 5525
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 4491246

Ion	Ratio	Lower	Upper
91	100		
92	52.7	41.8	62.8
134	21.8	17.6	26.4

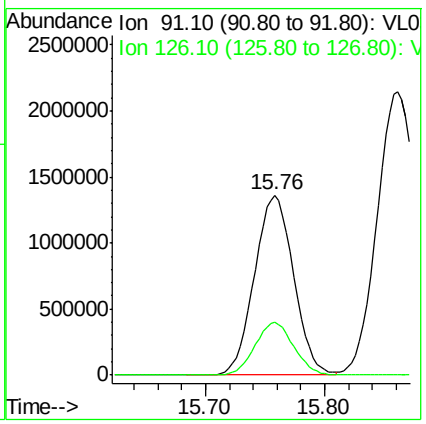




#71
2-Chlorotoluene
Concen: 10.27 ppbv
RT: 15.76 min Scan# 4563
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 3101306

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.8	47.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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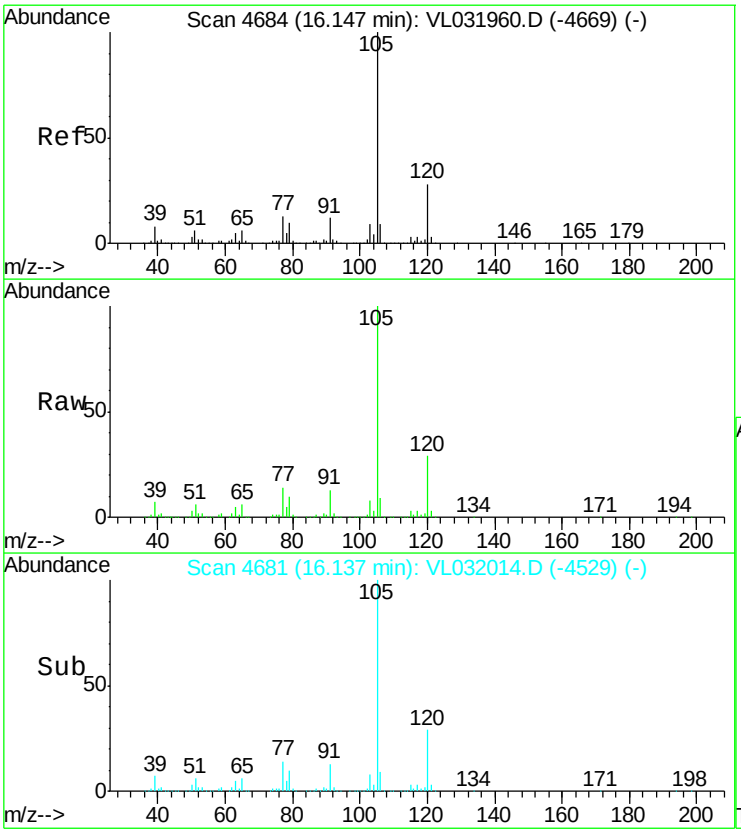
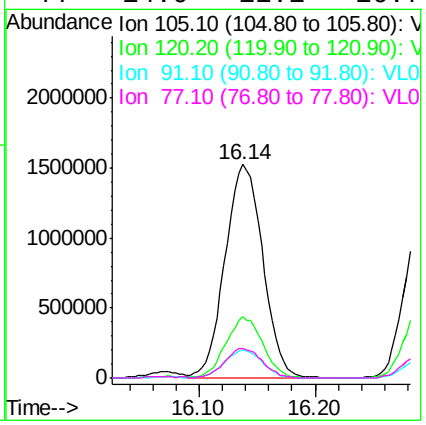
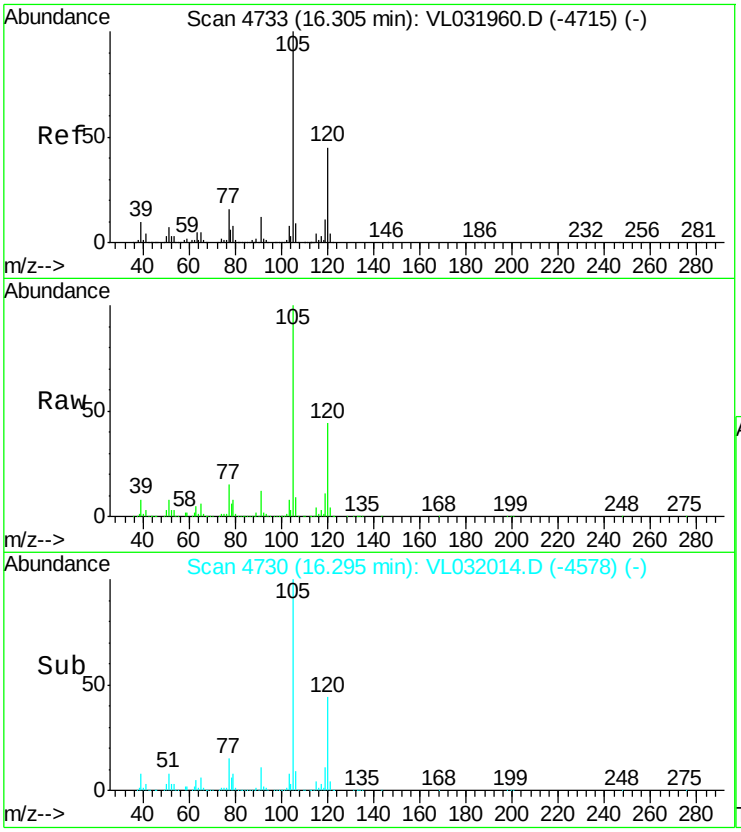


#72
4-Ethyltoluene
Concen: 10.46 ppbv
RT: 16.14 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3428458

Ion	Ratio	Lower	Upper
105	100		
120	28.2	22.6	33.8
91	13.1	10.5	15.7
77	14.0	11.1	16.7

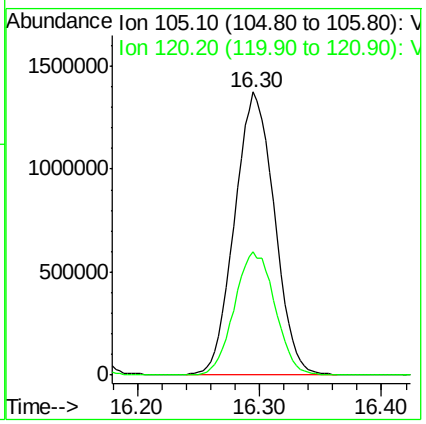




#73
1,3,5-Trimethylbenzene
Concen: 10.20 ppbv
RT: 16.30 min Scan# 4730
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3091388

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.0	54.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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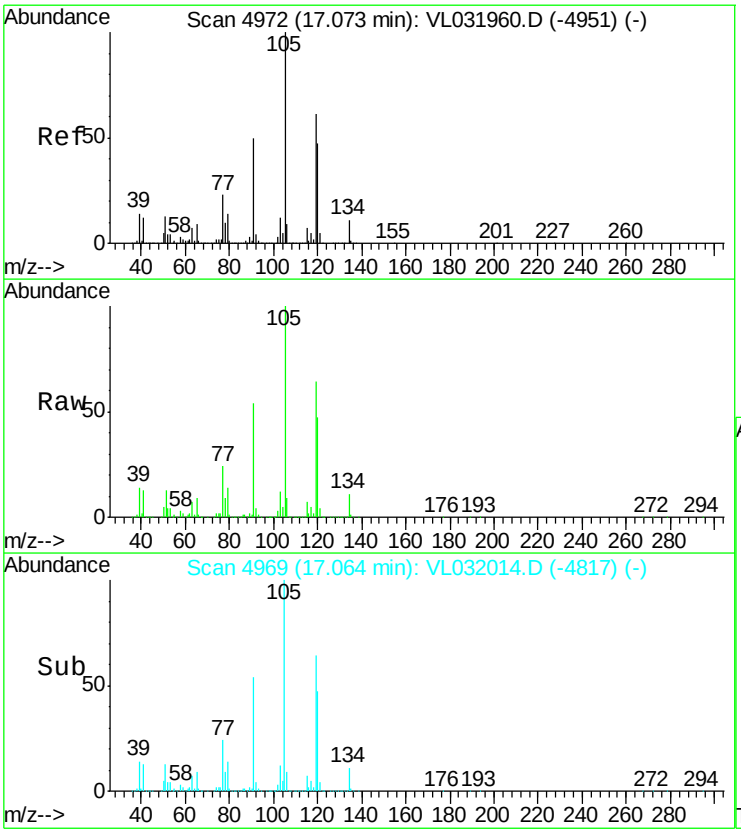
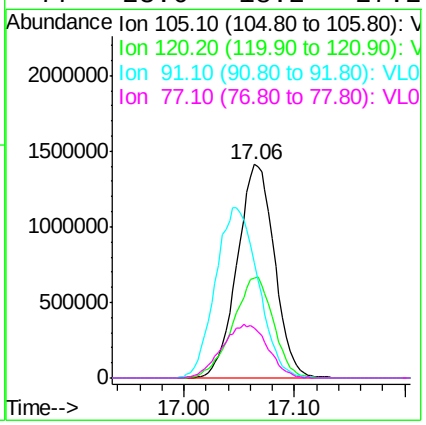
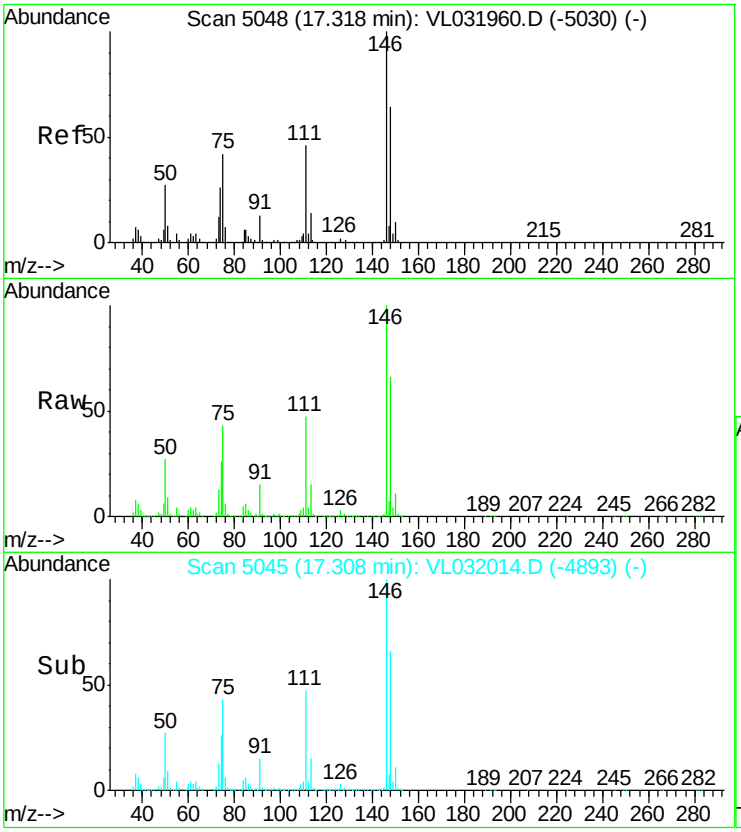


#74
1,2,4-Trimethylbenzene
Concen: 9.85 ppbv
RT: 17.06 min Scan# 4969
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3302734

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.8	56.6
91	53.6	40.5	60.7
77	23.6	18.2	27.2

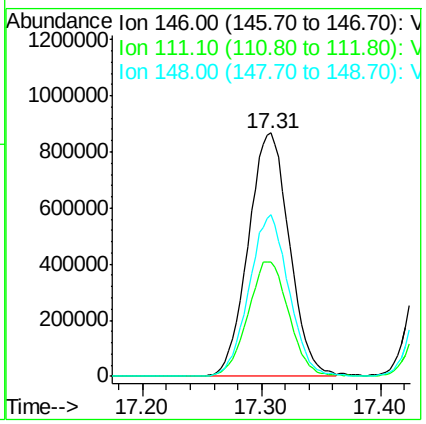




#75
1,3-Dichlorobenzene
Concen: 10.02 ppbv
RT: 17.31 min Scan# 5045
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:146 Resp: 2072345

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.5	70.5
148	64.3	32.3	96.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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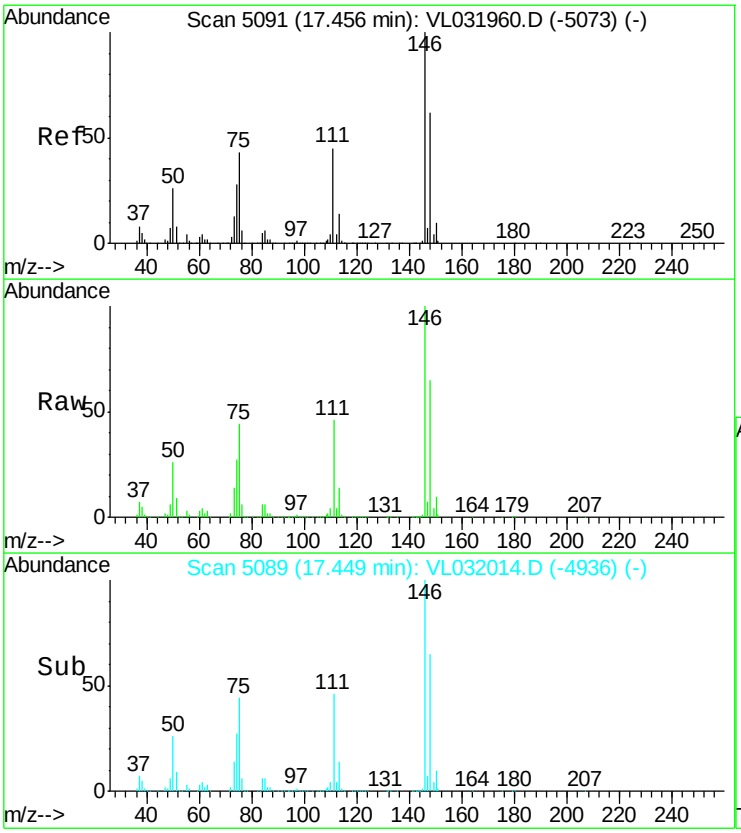
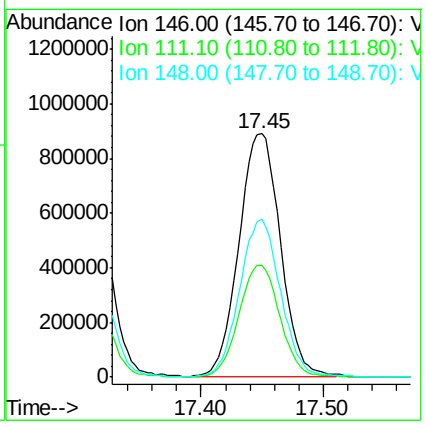
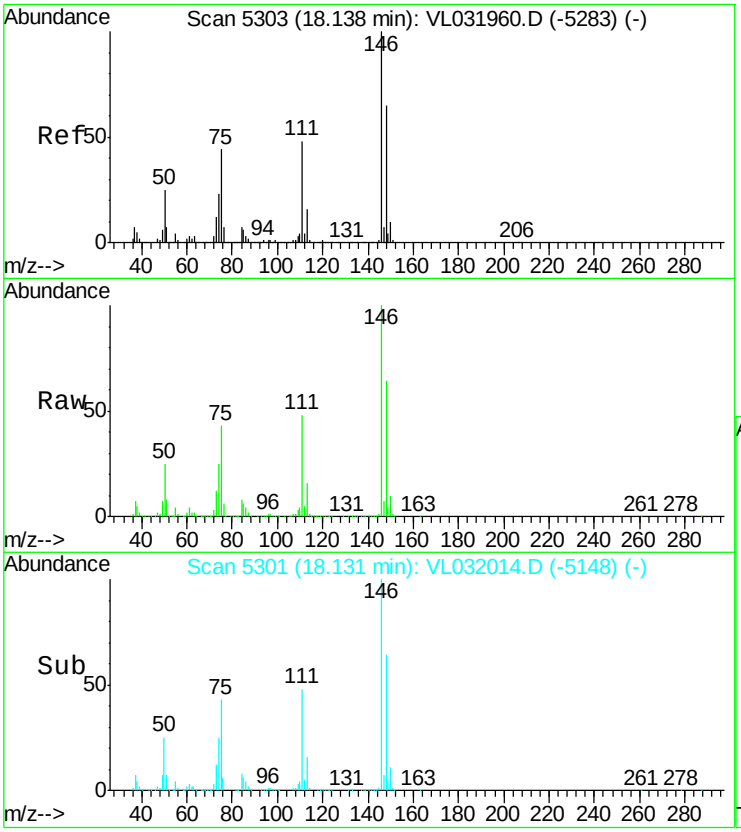


#76
1,4-Dichlorobenzene
Concen: 10.16 ppbv
RT: 17.45 min Scan# 5089
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:146 Resp: 2079422

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.0	69.0
148	64.7	32.4	97.2

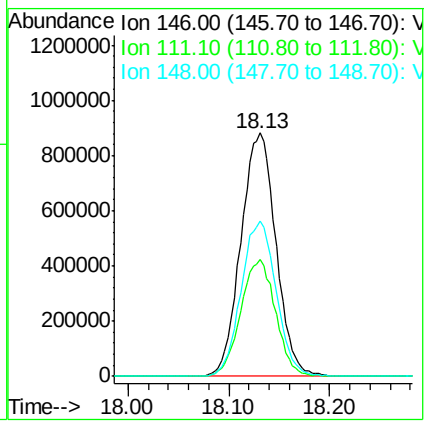




#77
1,2-Dichlorobenzene
Concen: 10.19 ppbv
RT: 18.13 min Scan# 5301
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:146 Resp: 2122087

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.2	72.6
148	64.0	32.0	96.2



Instrument :
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ClientSampleId :
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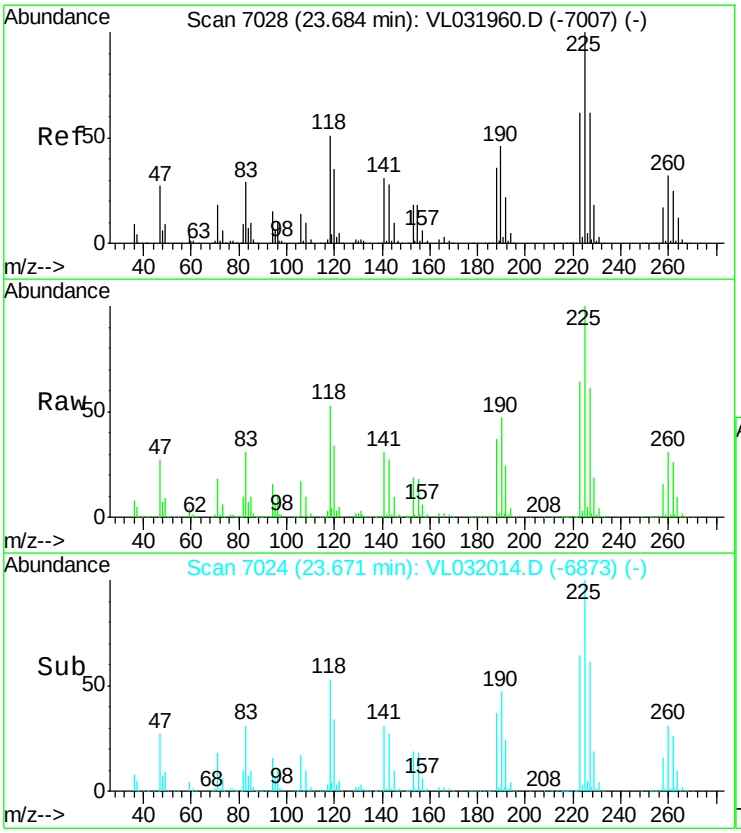
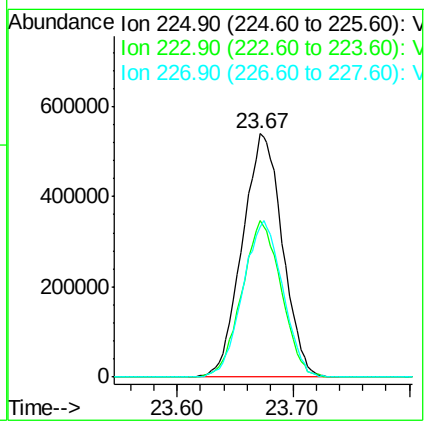
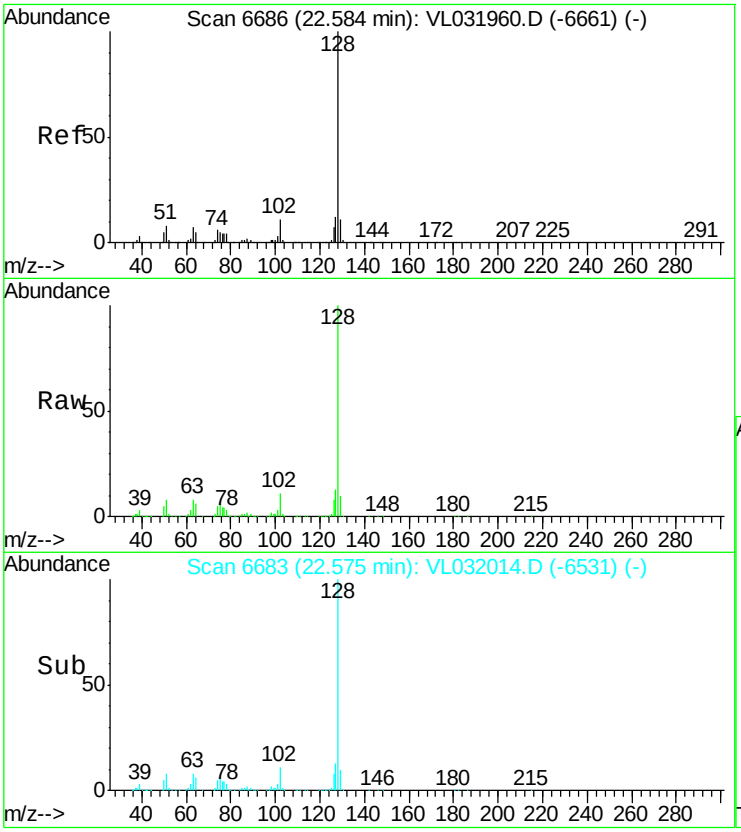


#78
Hexachloro-1,3-Butadiene
Concen: 13.71 ppbv
RT: 23.67 min Scan# 7024
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:225 Resp: 1298061

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	63.9	50.9	76.3

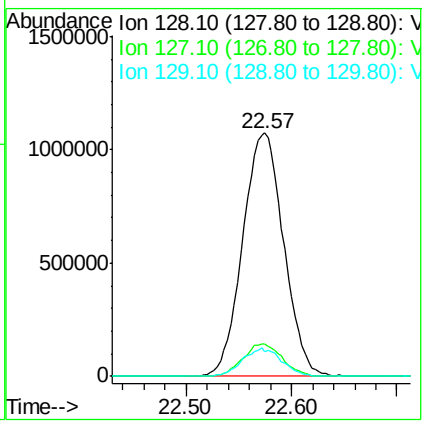




#79
Naphthalene
Concen: 12.43 ppbv
RT: 22.57 min Scan# 6683
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:128 Resp: 2901975

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	10.4	9.0	13.4



Instrument :
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ClientSampleId :
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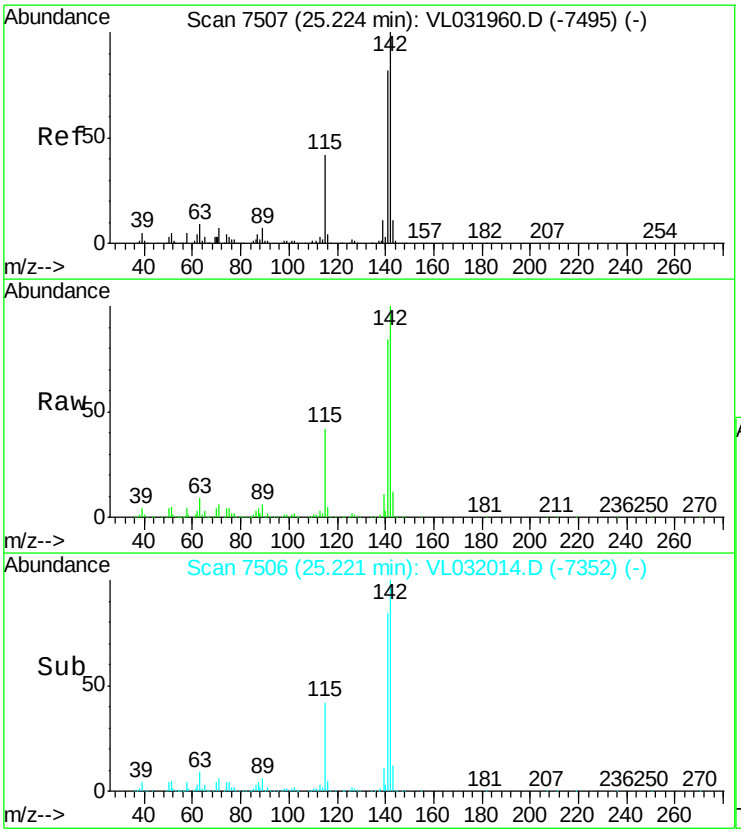
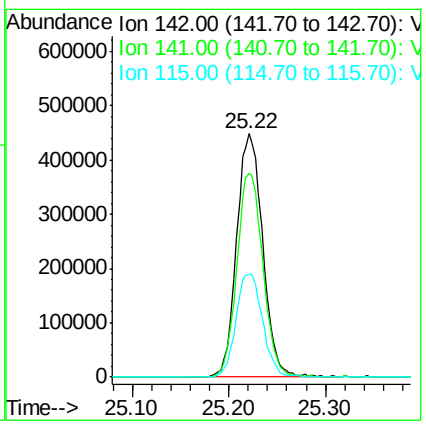
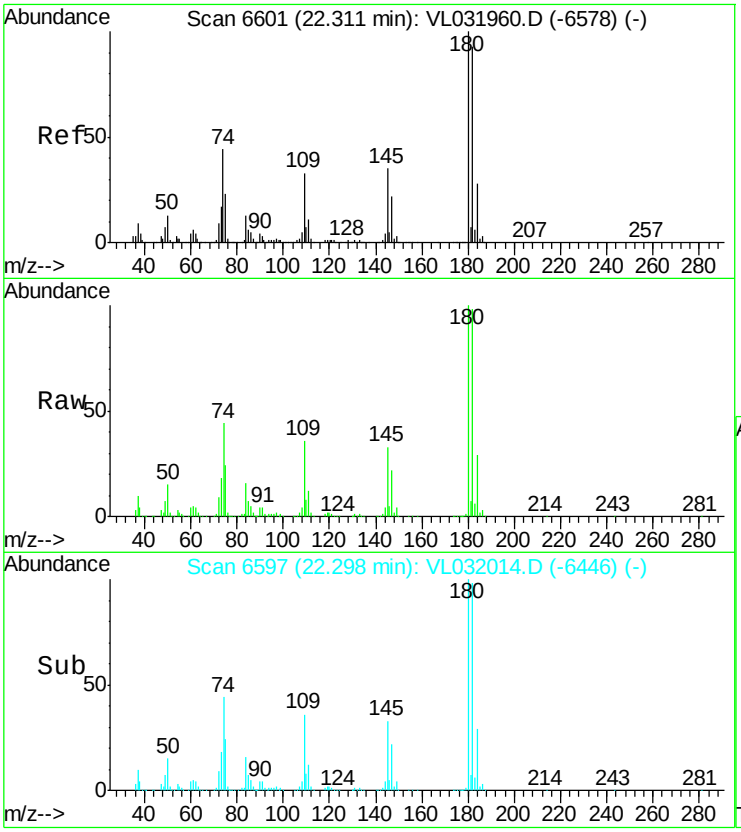


#80
Naphthalene,2-methyl-
Concen: 15.08 ppbv
RT: 25.22 min Scan# 7506
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:142 Resp: 839709

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.9	101.9
115	43.8	33.8	50.8

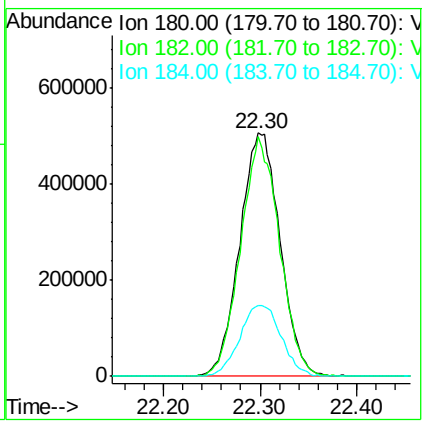




#81
1,2,4-Trichlorobenzene
Concen: 11.33 ppbv
RT: 22.30 min Scan# 6597
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:180 Resp: 1467002

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
184	30.2	24.0	36.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
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