Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031215.D
Acq On : 14 Dec 2017 00:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 04:02:13 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

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1502551	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	5337667	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3527660	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2555081	9.37	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	106390	0.69	ppbv		94
3) Chlorodifluoromethane	3.11	51	102086	0.50	ppbv		100
4) Chloromethane	3.27	50	54224	0.70	ppbv	#	87
5) Vinyl Chloride	3.40	62	51633	0.61	ppbv		94
6) Bromomethane	3.63	94	33720	0.66	ppbv		96
7) Chloroethane	3.71	64	20328	0.68	ppbv		97
8) Dichlorotetrafluoroethane	3.32	85	124619	0.70	ppbv		97
9) Propene	3.14	41	49849	0.58	ppbv		98
10) Heptane	8.40	43	143704	0.57	ppbv		98
11) Trichlorofluoromethane	4.13	101	124197	0.69	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.68	101	81594	0.76	ppbv		100
13) Ethanol	3.78	45	16776m	1.03	ppbv		
14) Bromoethene	3.91	108	35733	0.65	ppbv	#	98
15) Acetone	4.04	43	142078	0.94	ppbv		92
16) 1,3-Butadiene	3.47	39	45989	0.65	ppbv		94
17) tert-Butyl alcohol	4.51	59	64972m	0.89	ppbv		
18) 1,1-Dichloroethene	4.48	96	38694m	0.74	ppbv		
19) Isopropyl Alcohol	4.16	45	75926	0.86	ppbv	#	43
20) Methylene Chloride	4.54	84	40448	0.77	ppbv		97
21) Allyl Chloride	4.61	41	66444	0.88	ppbv		96
22) trans-1,2-Dichloroethene	5.10	96	43264	0.66	ppbv		92
23) Vinyl Acetate	5.30	43	183561	0.68	ppbv		99
24) 1,1-Dichloroethane	5.23	63	127669	0.55	ppbv		99
25) Ethyl Acetate	5.92	43	218691	0.58	ppbv		98
26) Hexane	5.93	57	107476	0.59	ppbv		96
27) Carbon Disulfide	4.76	76	99516	0.78	ppbv	#	64
28) Methyl tert-Butyl Ether	5.26	73	135736	0.67	ppbv		100
29) Chloroform	5.99	83	139497	0.53	ppbv		98
30) Cyclohexane	7.40	84	126263	0.87	ppbv		93
31) cis-1,2-Dichloroethene	5.78	61	93140	0.53	ppbv		97
32) 1,1,1-Trichloroethane	6.78	97	214205m	0.98	ppbv		
34) 2-Butanone	5.48	43	143523	0.33	ppbv		99
35) Carbon Tetrachloride	7.29	117	202838	0.54	ppbv		97
36) Benzene	7.16	78	312472	0.51	ppbv		96
37) 1,2-Dichloroethane	6.56	62	172465	0.48	ppbv		99
38) Trichloroethene	8.12	130	85074	0.37	ppbv		91
39) 1,2-Dichloropropane	7.90	63	101403	0.43	ppbv		93
40) 1,4-Dioxane	8.16	88	32383m	0.35	ppbv		
41) Tetrahydrofuran	6.32	42	84593	0.37	ppbv		97
42) Bromodichloromethane	8.08	83	141606	0.33	ppbv		98
43) Methyl Methacrylate	8.30	69	73687	0.34	ppbv		98

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031215.D
Acq On : 14 Dec 2017 00:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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Quant Time: Dec 14 04:02:13 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	357013	0.35	ppbv		97
45) t-1,3-Dichloropropene	9.58	75	94303	0.36	ppbv		95
46) cis-1,3-Dichloropropene	9.00	75	122703	0.35	ppbv		95
47) 1,1,2-Trichloroethane	9.78	97	83744	0.34	ppbv		96
48) Dibromochloromethane	10.62	129	120414	0.36	ppbv		98
49) Bromoform	13.37	173	81129	0.32	ppbv		98
50) 4-Methyl-2-Pentanone	9.05	43	180702	0.33	ppbv		99
51) 2-Hexanone	10.45	43	171648	0.33	ppbv	#	99
52) Tetrachloroethene	11.54	164	82357	0.38	ppbv		98
53) Toluene	10.11	91	249274	0.36	ppbv		100
54) 1,2-Dibromoethane	10.93	107	128316	0.36	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.45	131	89253	0.62	ppbv	#	1
57) Chlorobenzene	12.47	112	197394	0.57	ppbv		94
58) Ethyl Benzene	13.03	91	347639	0.58	ppbv		98
59) m/p-Xylene	13.32	91	561782m	1.10	ppbv		
60) o-Xylene	14.02	91	289586m	0.57	ppbv		
61) Styrene	13.85	104	77385	0.61	ppbv		98
62) Isopropylbenzene	14.99	105	372126	0.61	ppbv		98
63) 1,1,2,2-Tetrachloroethane	14.01	83	183858	0.47	ppbv		100
64) n-propylbenzene	15.89	120	95594	0.58	ppbv		90
65) tert-Butylbenzene	17.07	119	346361	0.65	ppbv		97
66) Benzyl Chloride	17.33	91	27055	0.59	ppbv	#	90
67) sec-Butylbenzene	17.63	105	465018	0.58	ppbv		99
69) p-Isopropyltoluene	17.98	119	386858	0.62	ppbv		99
70) n-Butylbenzene	18.88	91	362247	0.53	ppbv		99
71) 2-Chlorotoluene	15.79	91	273234	0.56	ppbv		99
72) 4-Ethyltoluene	16.17	105	310628	0.61	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	280523	0.59	ppbv		96
74) 1,2,4-Trimethylbenzene	17.09	105	304415	0.58	ppbv		96
75) 1,3-Dichlorobenzene	17.34	146	181245	0.55	ppbv		97
76) 1,4-Dichlorobenzene	17.48	146	186725	0.56	ppbv		99
77) 1,2-Dichlorobenzene	18.16	146	181236	0.56	ppbv		99
78) Hexachloro-1,3-Butadiene	23.70	225	42219m	0.68	ppbv		
79) Naphthalene	22.61	128	229671	0.65	ppbv		97
80) Naphthalene,2-methyl-	25.25	142	72647	0.70	ppbv		97
81) 1,2,4-Trichlorobenzene	22.34	180	108438m	0.62	ppbv		

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

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031215.D
Acq On : 14 Dec 2017 00:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 04:02:13 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 :
VSTDICC0.5

Manual Integrations APPROVED
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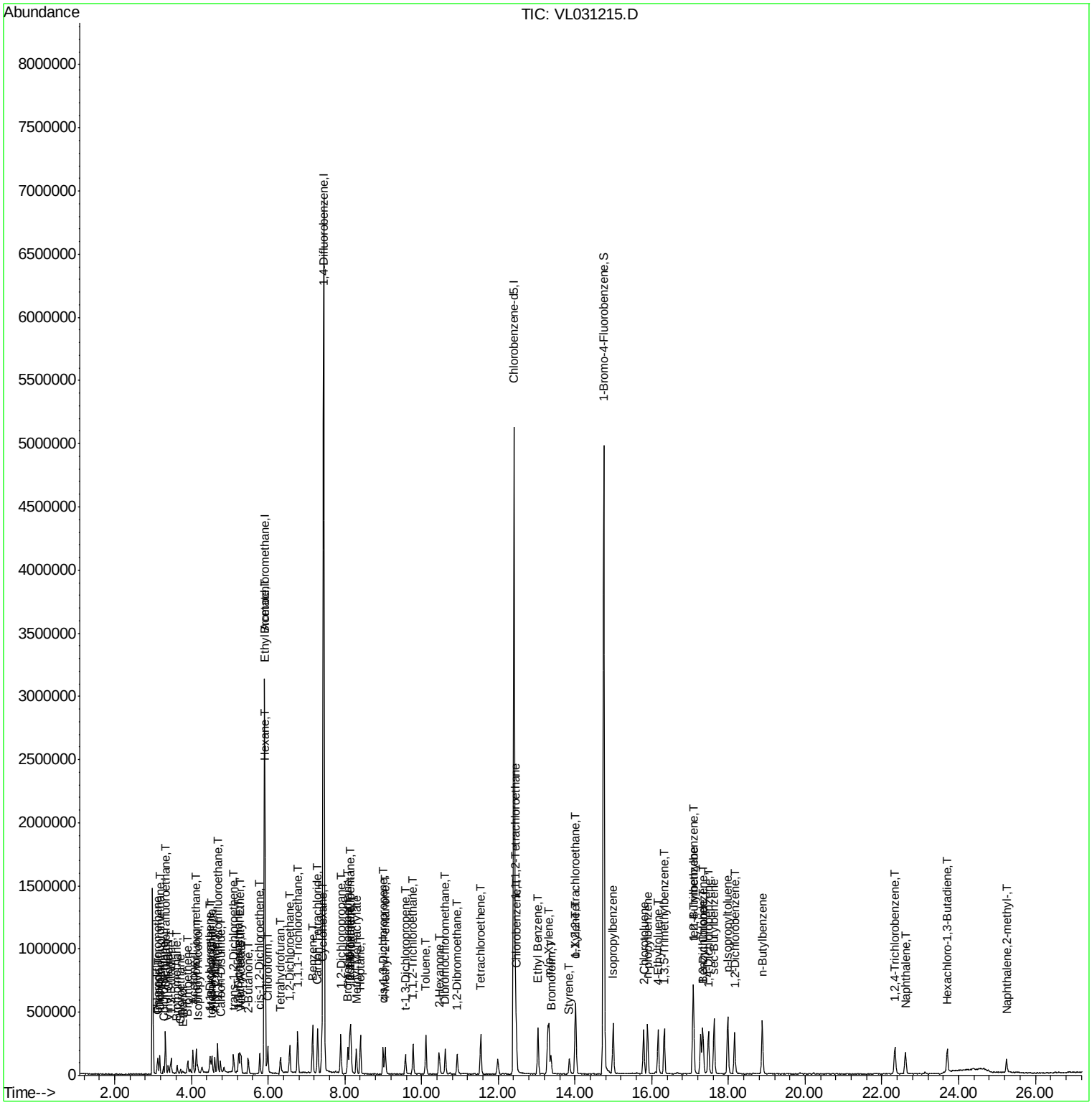
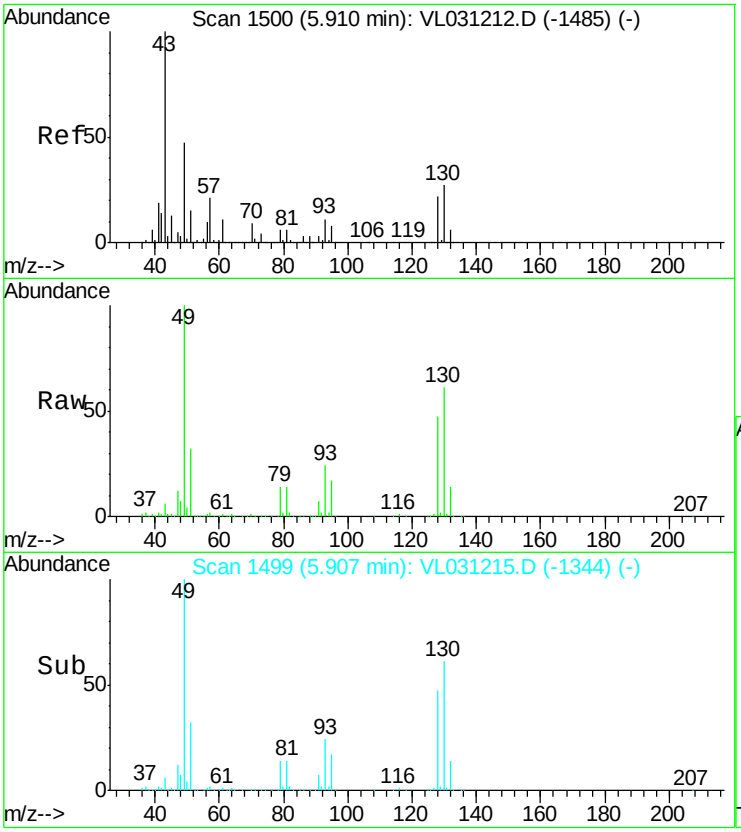
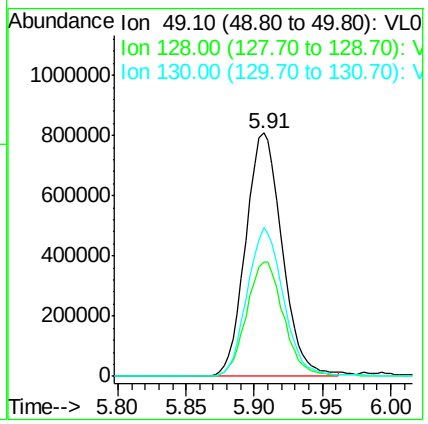




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 49 Resp: 1502551

Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.2	69.5
130	61.5	29.6	88.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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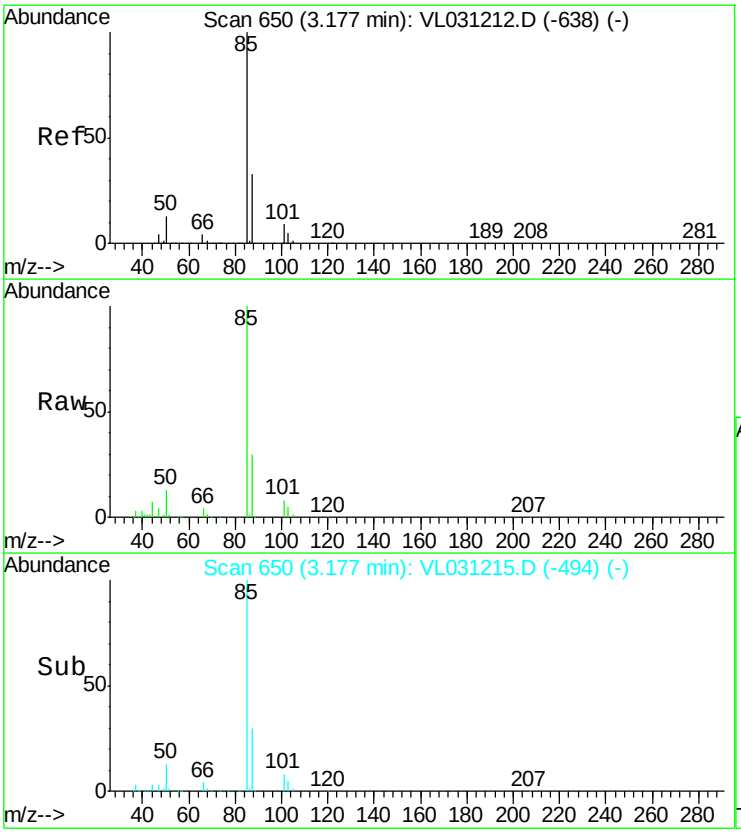
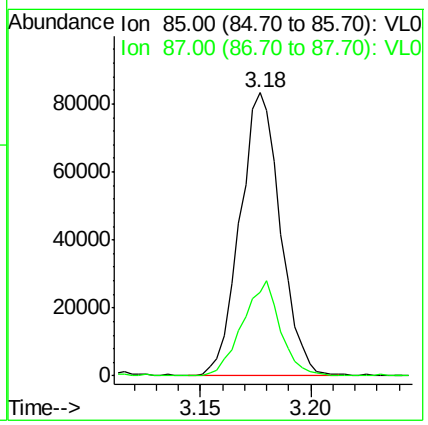
12/15/2017 4:06:56 PM

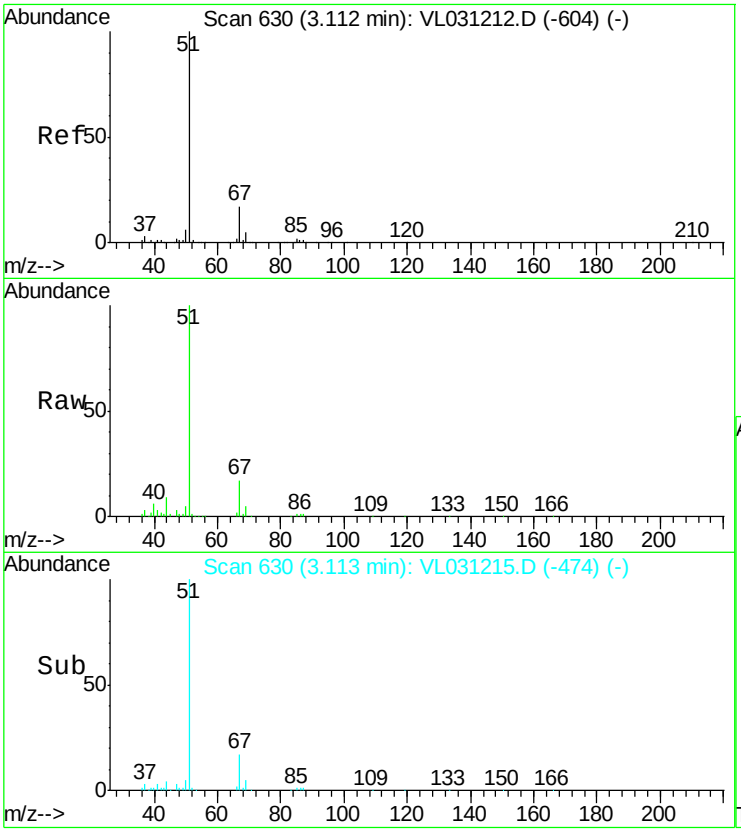


#2
Dichlorodifluoromethane
Concen: 0.69 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 85 Resp: 106390

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.2	39.2

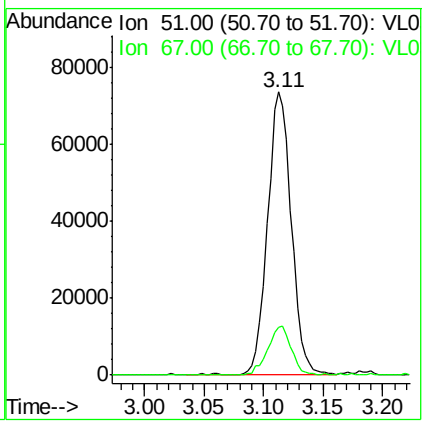




#3
Chlorodifluoromethane
Concen: 0.50 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 51 Resp: 102086

Ion	Ratio	Lower	Upper
51	100		
67	17.2	13.8	20.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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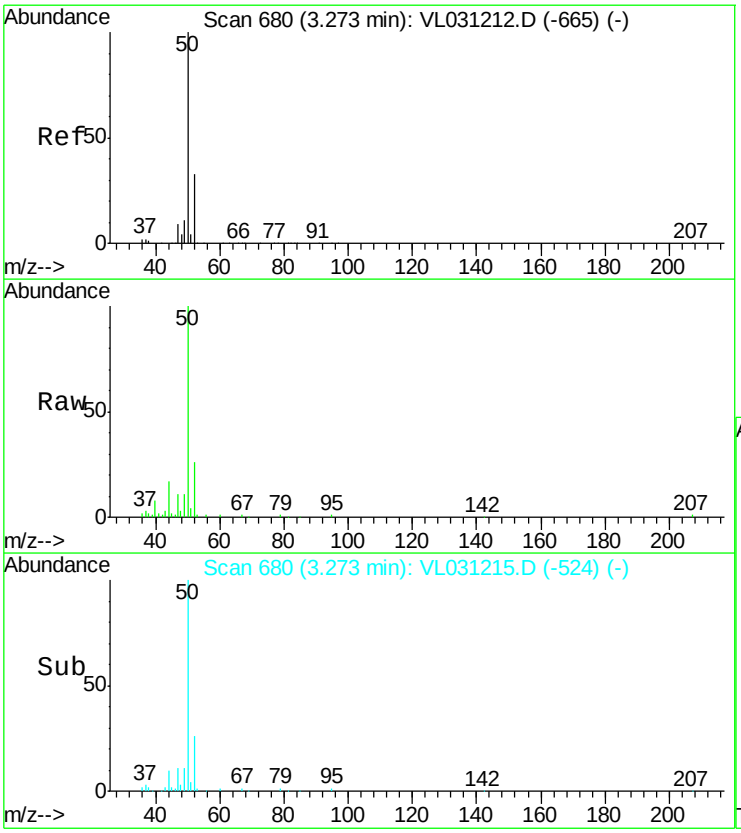
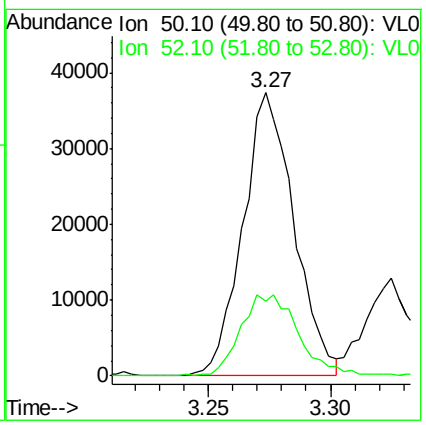
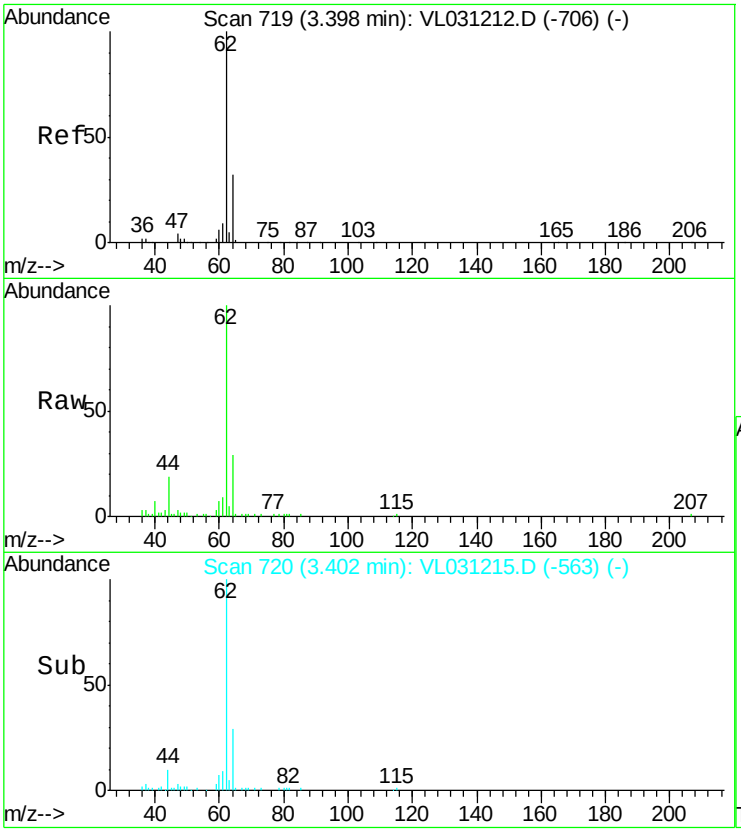


#4
Chloromethane
Concen: 0.70 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 50 Resp: 54224

Ion	Ratio	Lower	Upper
50	100		
52	25.7	26.5	39.7#

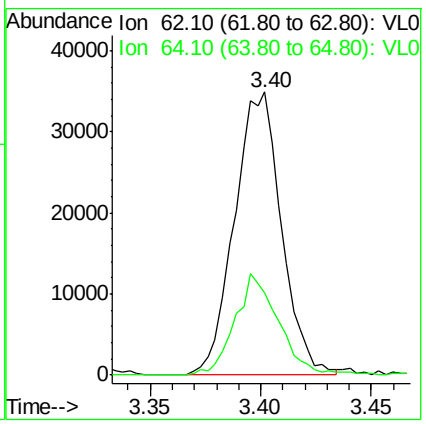




#5
Vinyl Chloride
Concen: 0.61 ppbv
RT: 3.40 min Scan# 720
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 62 Resp: 51633

Ion	Ratio	Lower	Upper
62	100		
64	29.0	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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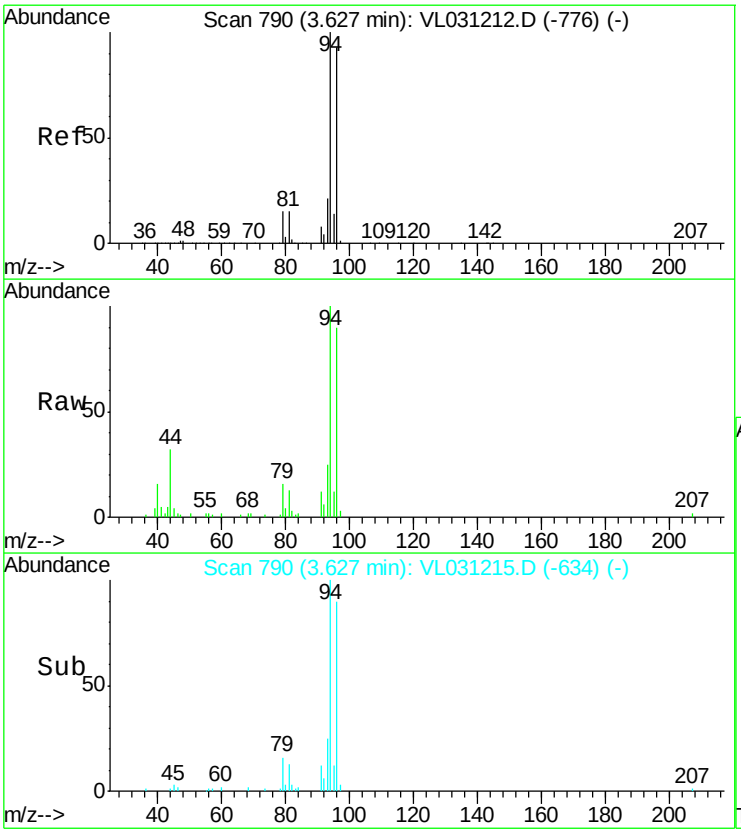
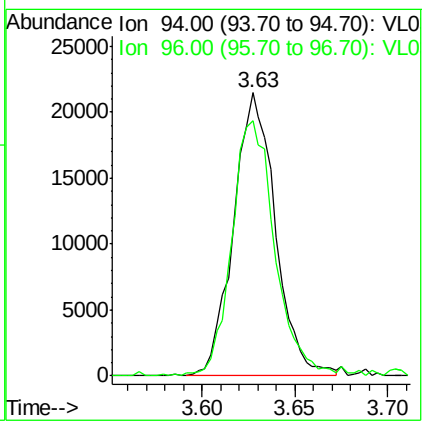
12/15/2017 4:06:56 PM

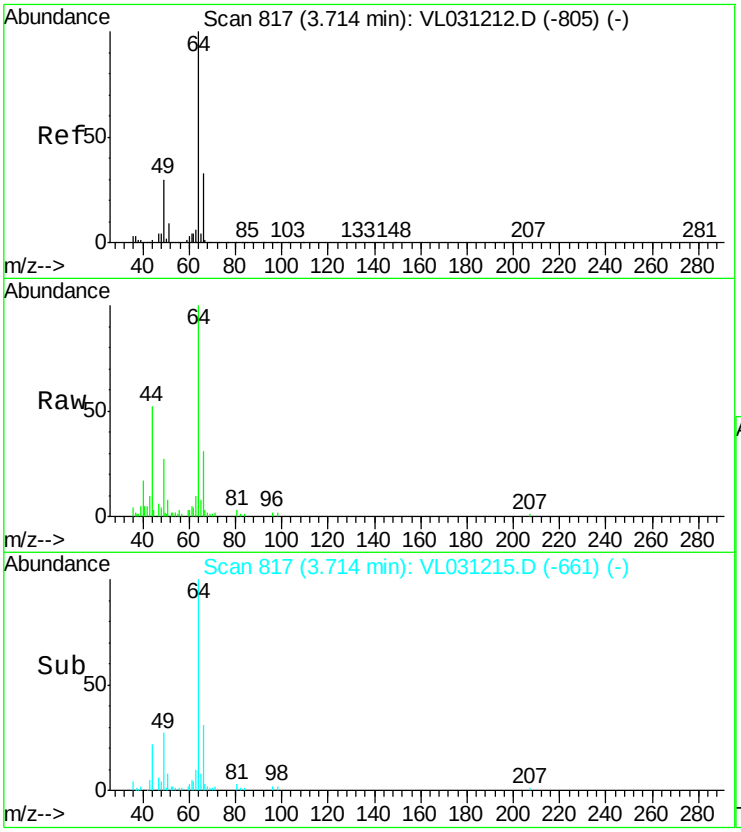


#6
Bromomethane
Concen: 0.66 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 94 Resp: 33720

Ion	Ratio	Lower	Upper
94	100		
96	89.1	74.4	111.6

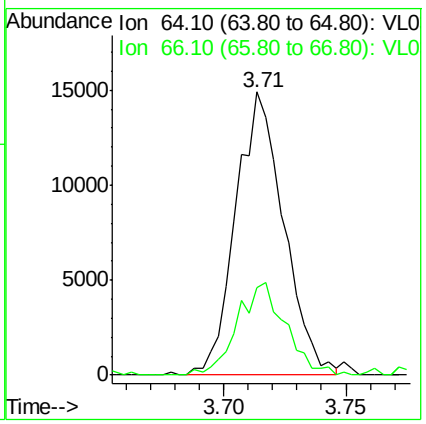




#7
Chloroethane
Concen: 0.68 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 64 Resp: 20328

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.2	39.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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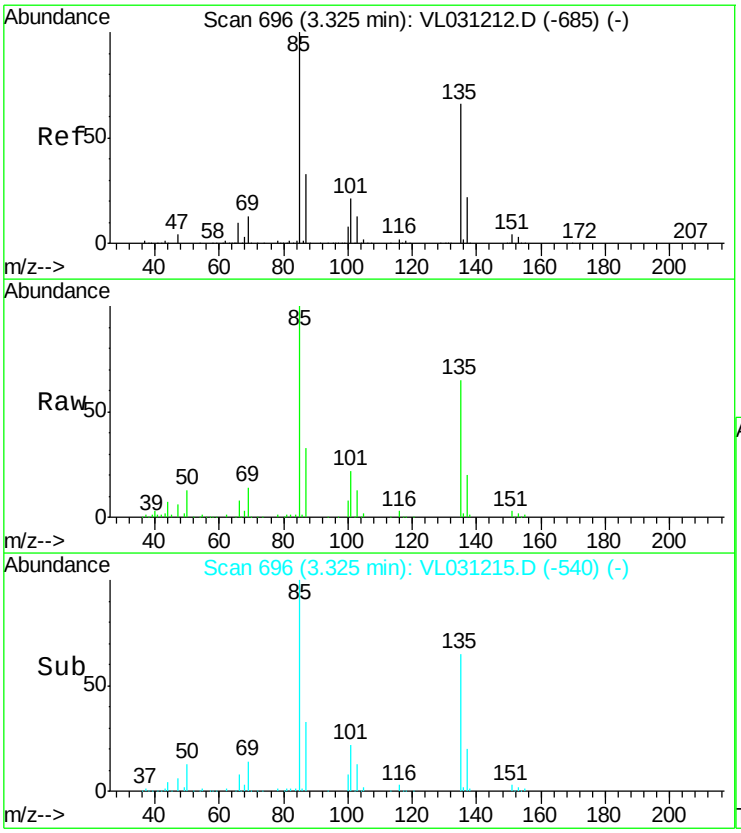
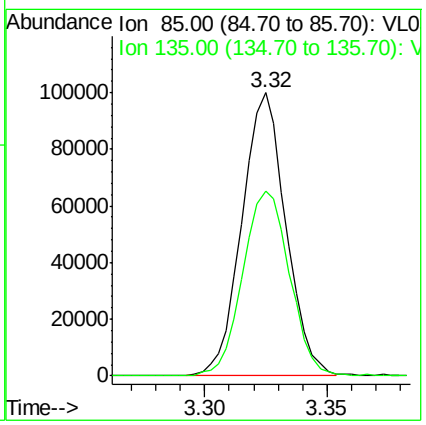
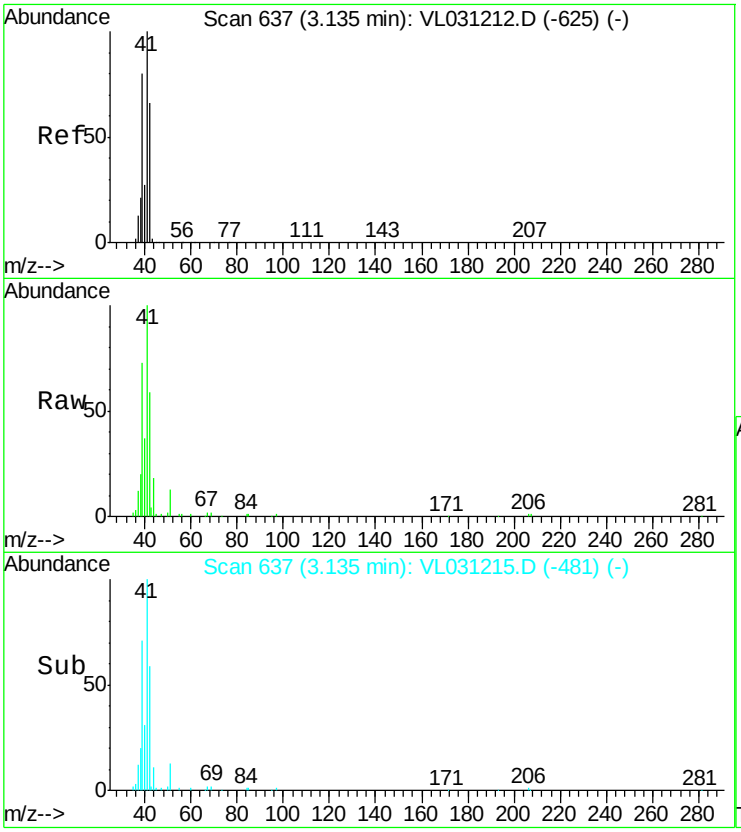


#8
Dichlorotetrafluoroethane
Concen: 0.70 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 85 Resp: 124619

Ion	Ratio	Lower	Upper
85	100		
135	69.6	54.0	81.0

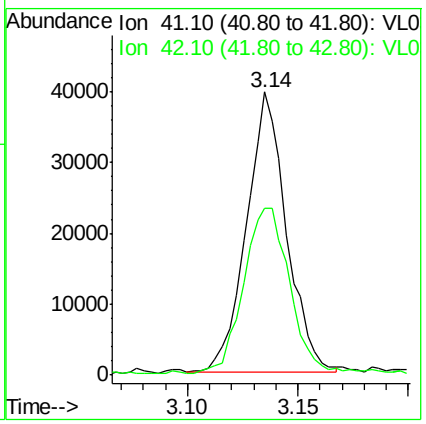




#9
Propene
Concen: 0.58 ppbv
RT: 3.14 min Scan# 637
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 41 Resp: 49849

Ion	Ratio	Lower	Upper
41	100		
42	69.3	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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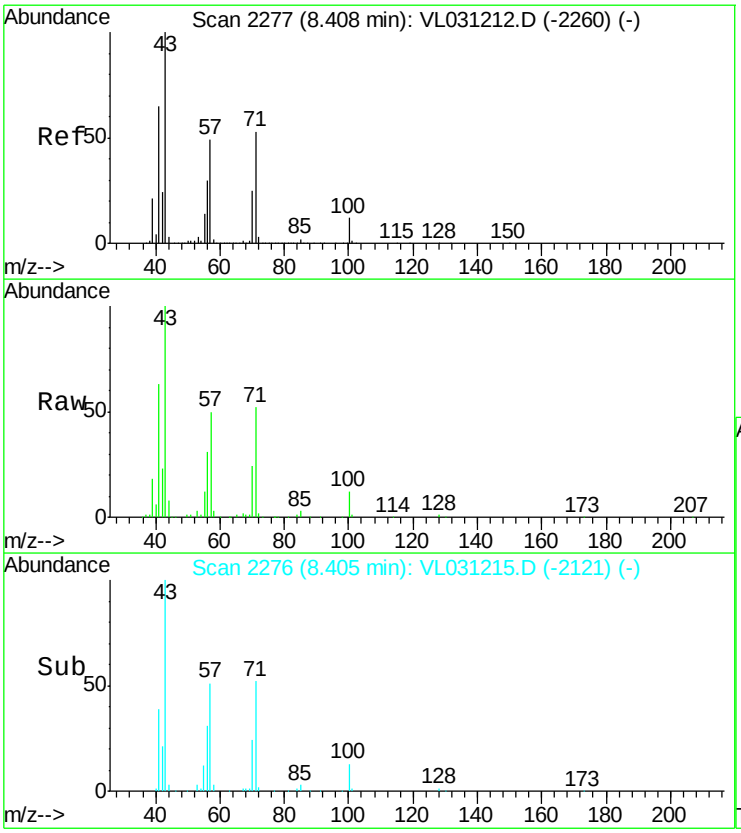
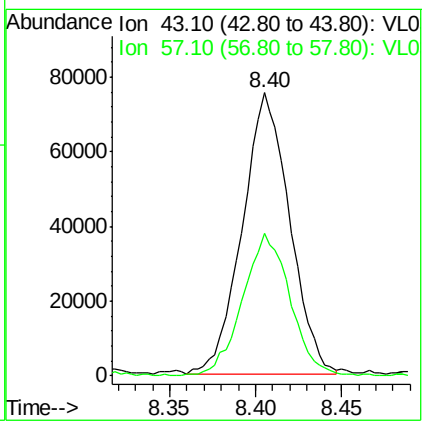
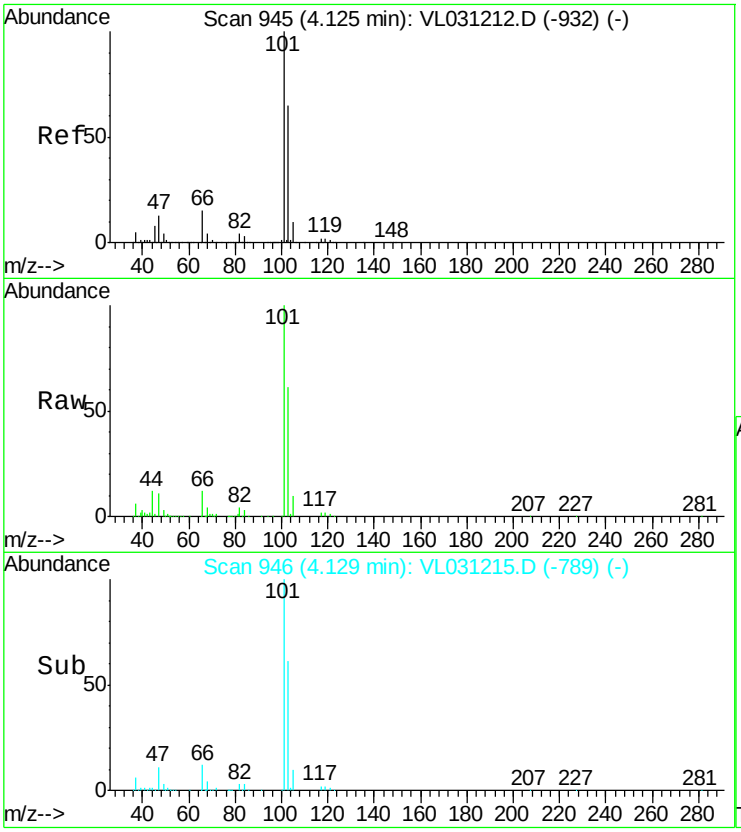


#10
Heptane
Concen: 0.57 ppbv
RT: 8.40 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 143704

Ion	Ratio	Lower	Upper
43	100		
57	51.2	39.8	59.8

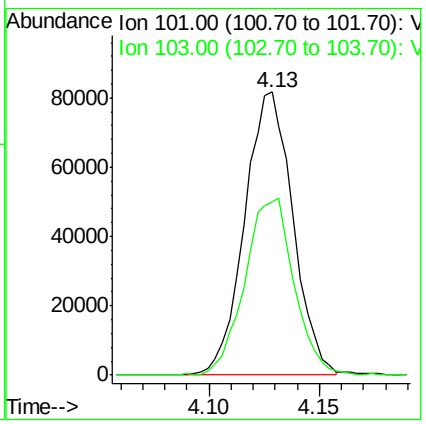




#11
Trichlorofluoromethane
Concen: 0.69 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:101 Resp: 124197

Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.8	77.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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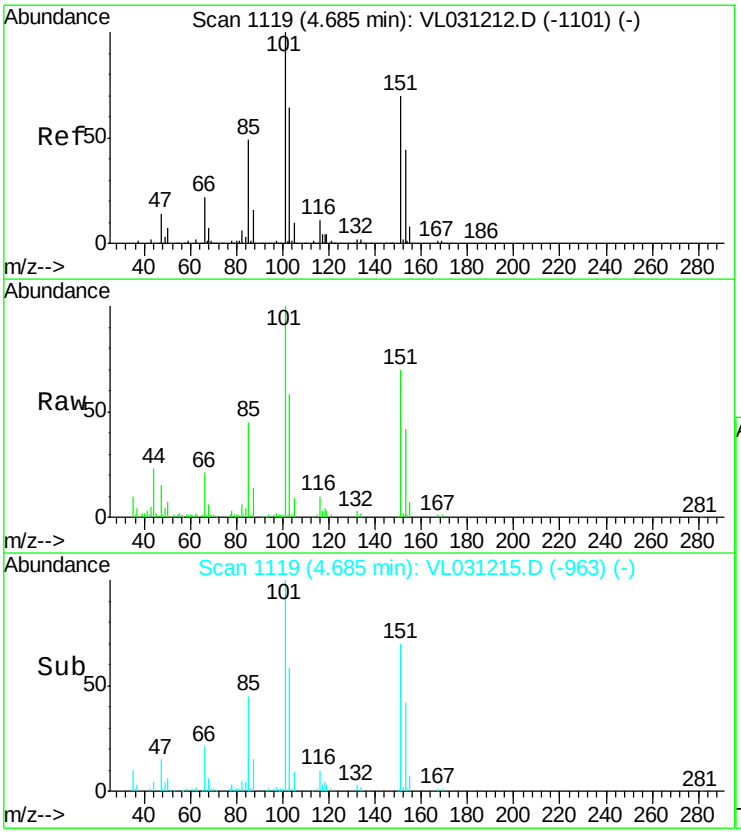
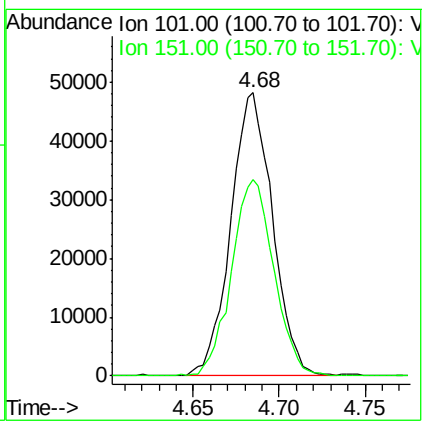
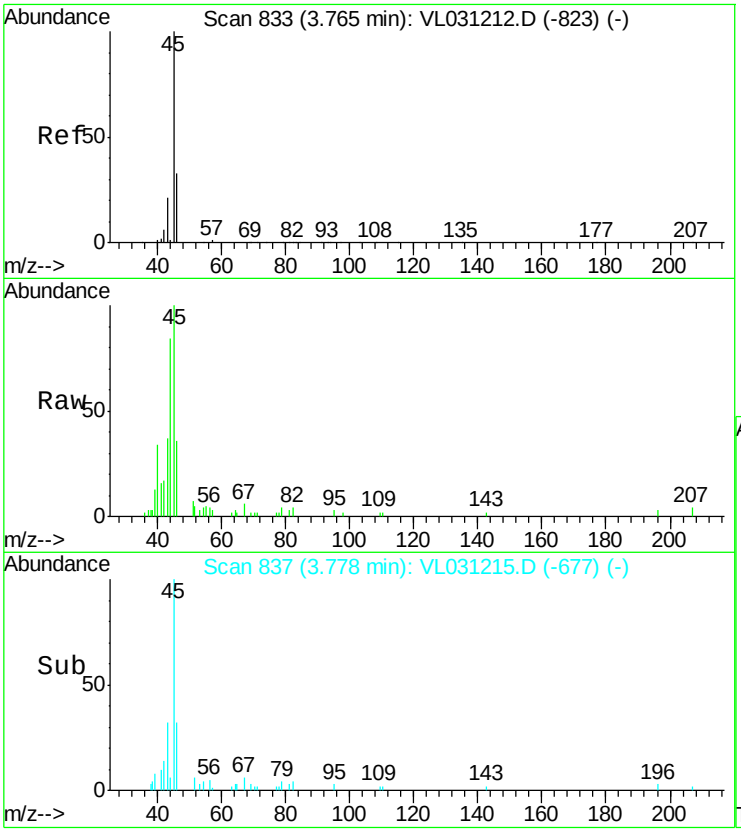


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.76 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:101 Resp: 81594

Ion	Ratio	Lower	Upper
101	100		
151	70.4	56.5	84.7





#13
Ethanol
Concen: 1.03 ppbv m
RT: 3.78 min Scan# 837
Delta R.T. 0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 45 Resp: 16776

Ion	Ratio	Lower	Upper
45	100		
46	41.3	14.6	58.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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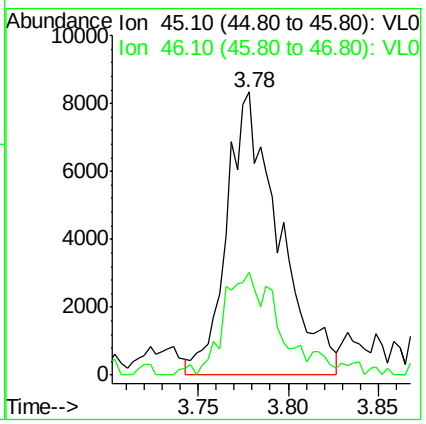
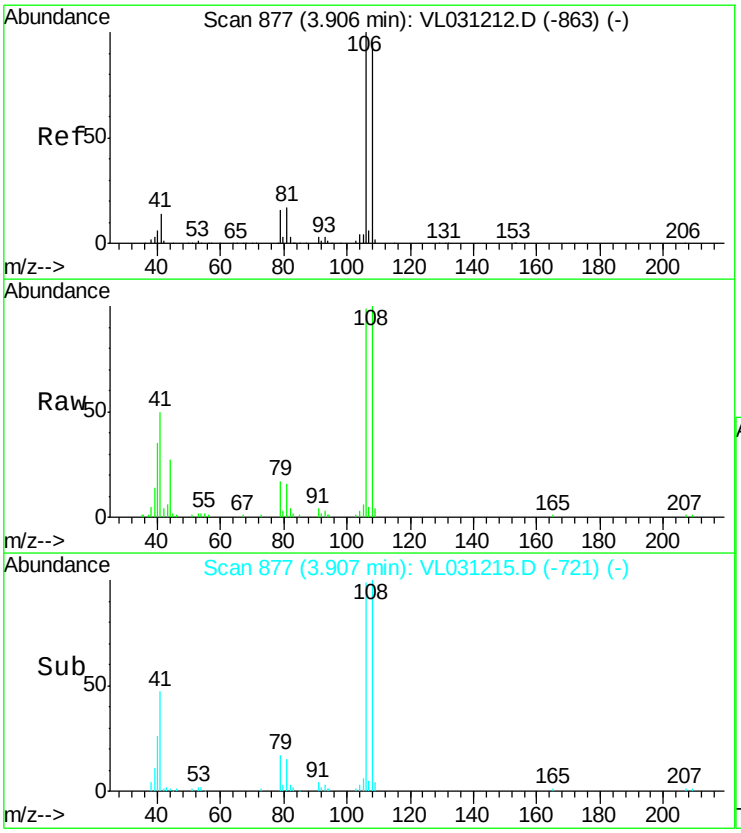
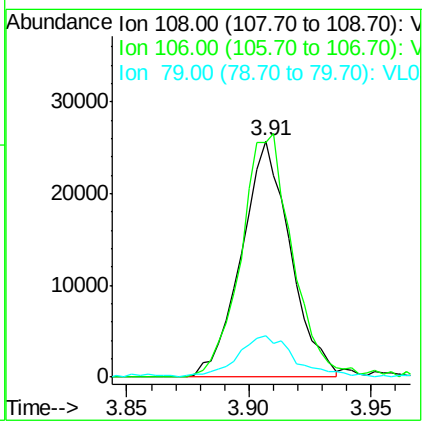


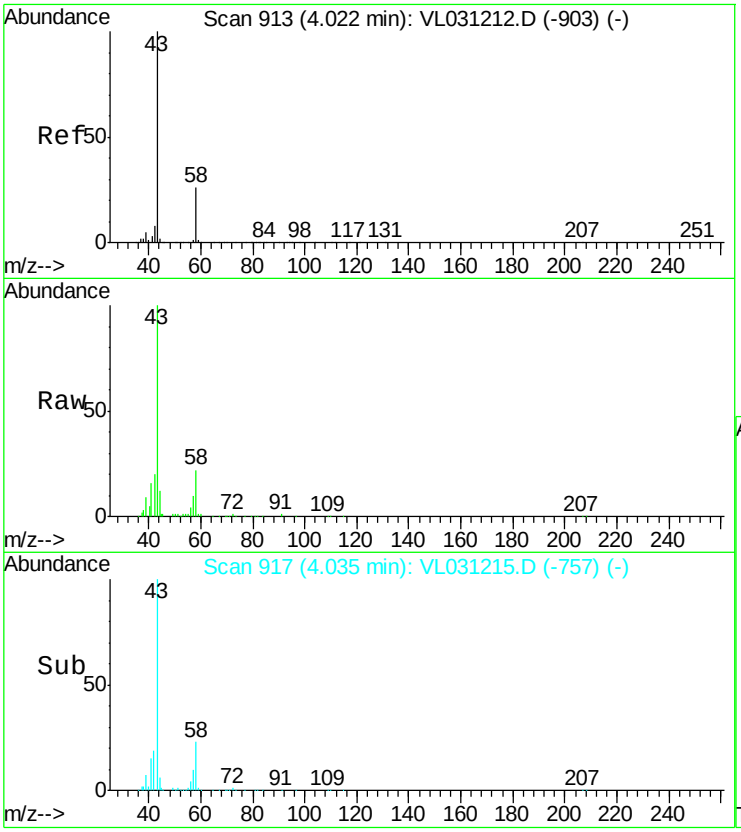


#14
Bromoethene
Concen: 0.65 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:108 Resp: 35733

Ion	Ratio	Lower	Upper
108	100		
106	108.3	86.5	129.7
79	23.9	14.2	21.4#

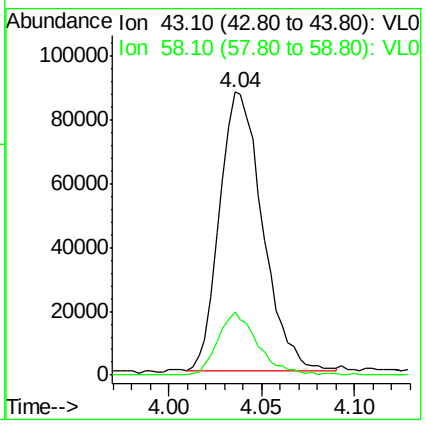




#15
Acetone
Concen: 0.94 ppbv
RT: 4.04 min Scan# 917
Delta R.T. 0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 142078

Ion	Ratio	Lower	Upper
43	100		
58	21.3	20.3	30.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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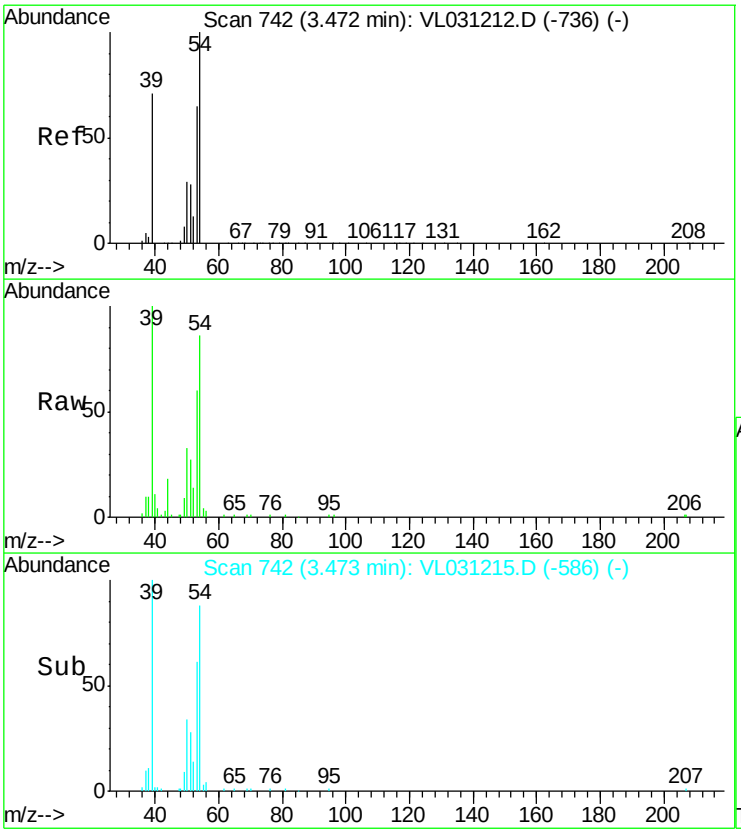
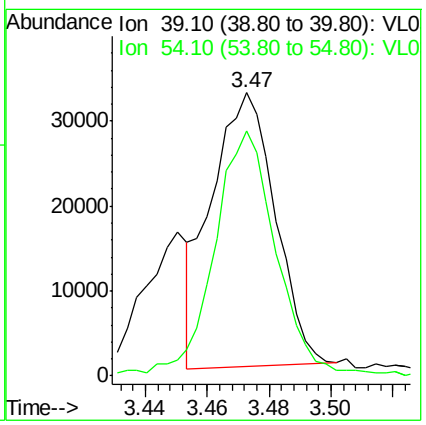
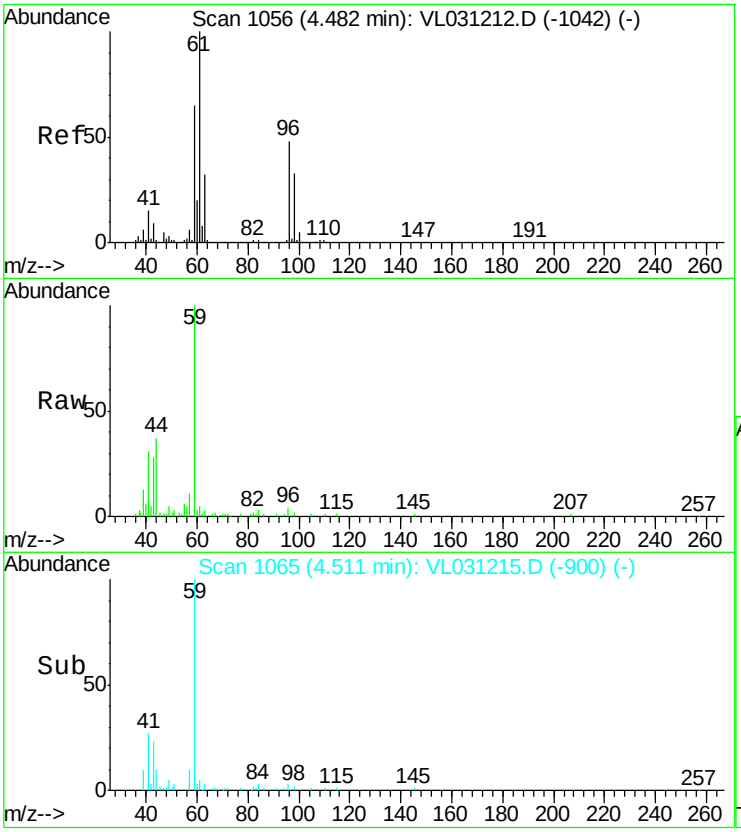


#16
1,3-Butadiene
Concen: 0.65 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 39 Resp: 45989

Ion	Ratio	Lower	Upper
39	100		
54	88.6	66.4	99.6





#17
tert-Butyl alcohol
Concen: 0.89 ppbv m
RT: 4.51 min Scan# 1065
Delta R.T. 0.03 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 59 Resp: 64972

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.2	12.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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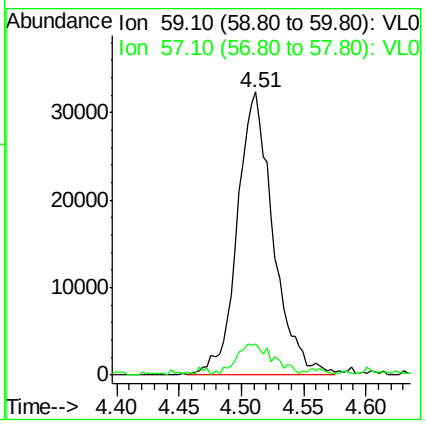
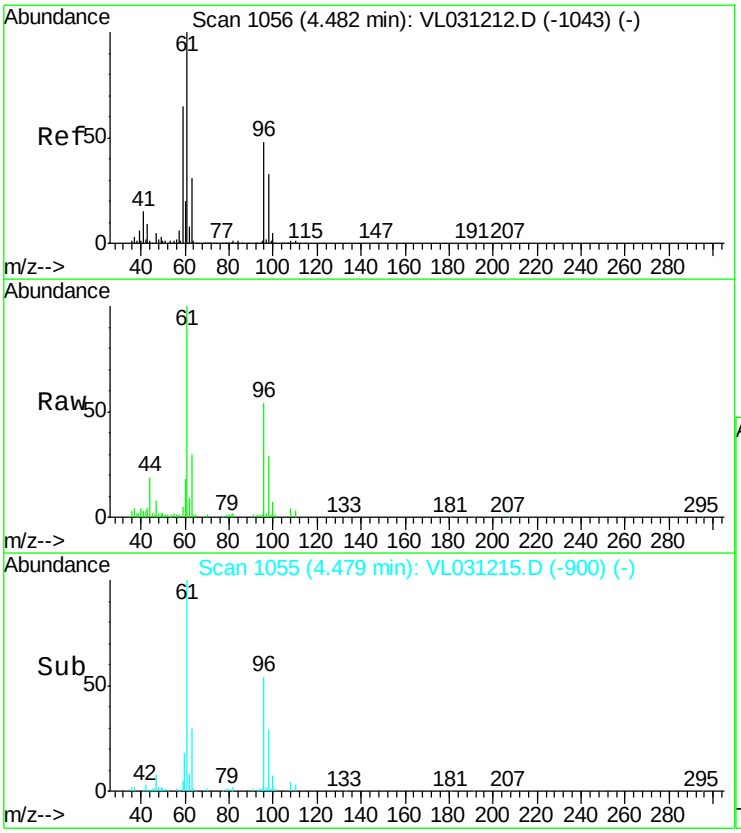
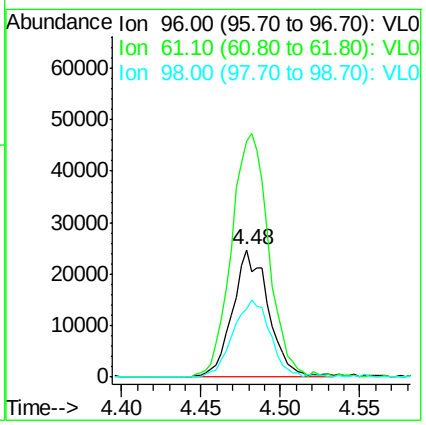


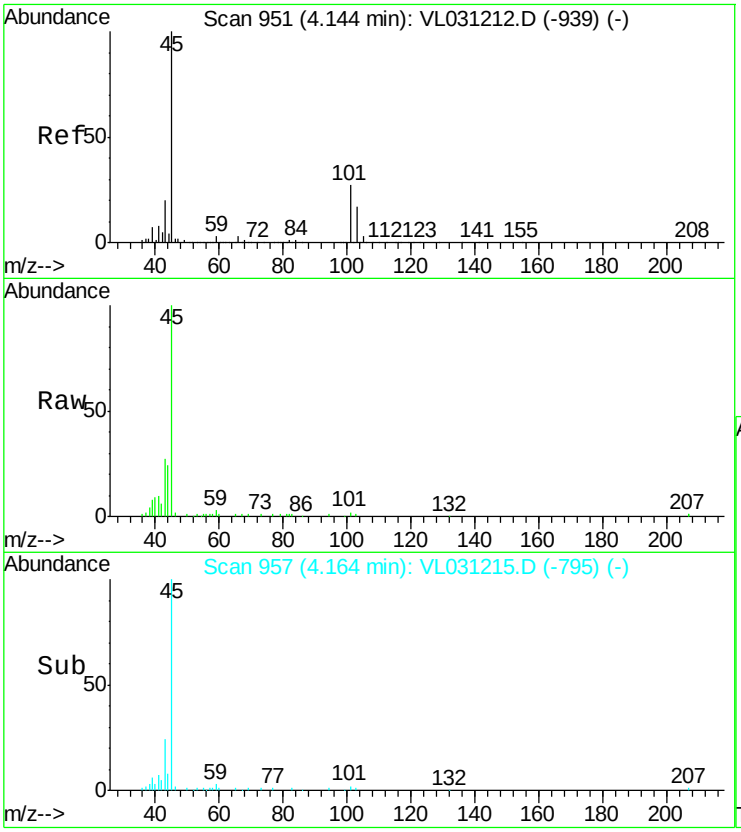


#18
1,1-Dichloroethene
Concen: 0.74 ppbv m
RT: 4.48 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 96 Resp: 38694

Ion	Ratio	Lower	Upper
96	100		
61	184.3	166.8	250.2
98	53.1	55.0	82.6#

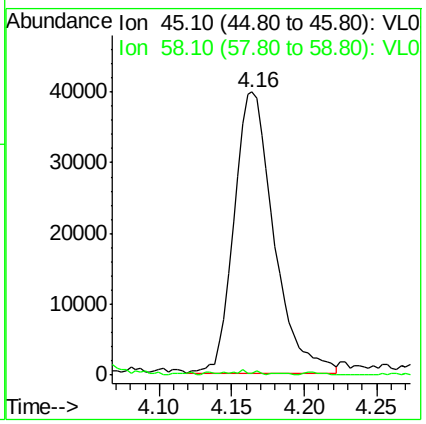




#19
Isopropyl Alcohol
Concen: 0.86 ppbv
RT: 4.16 min Scan# 957
Delta R.T. 0.02 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 45 Resp: 75926

Ion	Ratio	Lower	Upper
45	100		
58	1.6	27.2	40.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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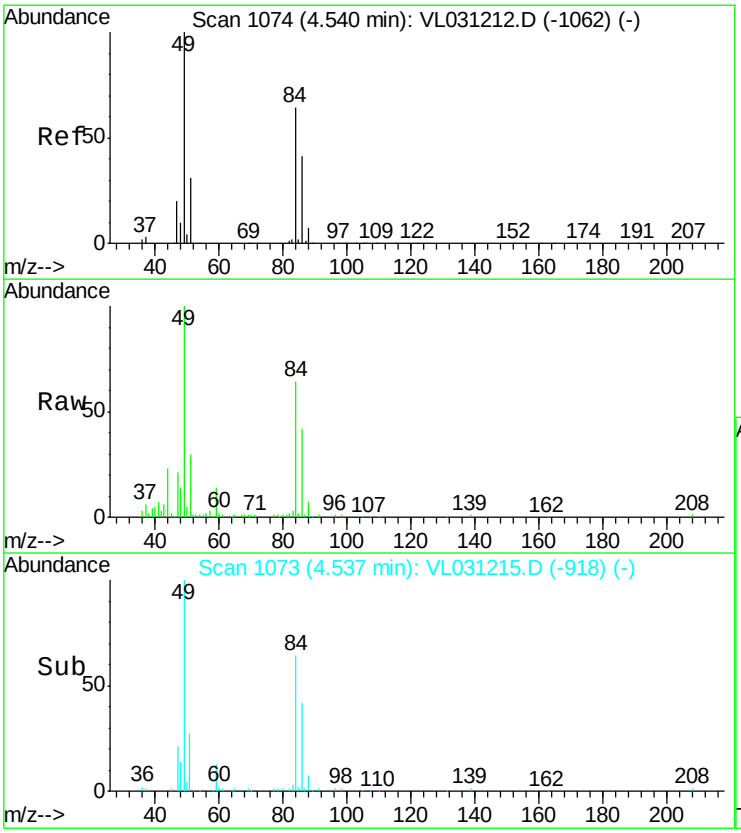
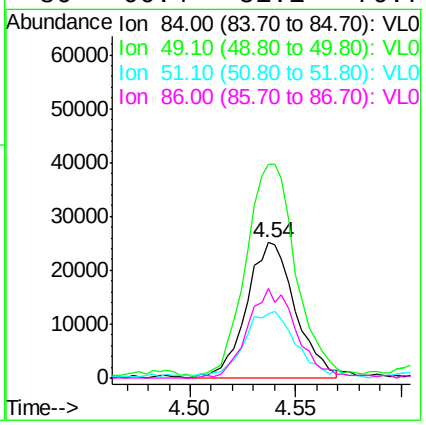
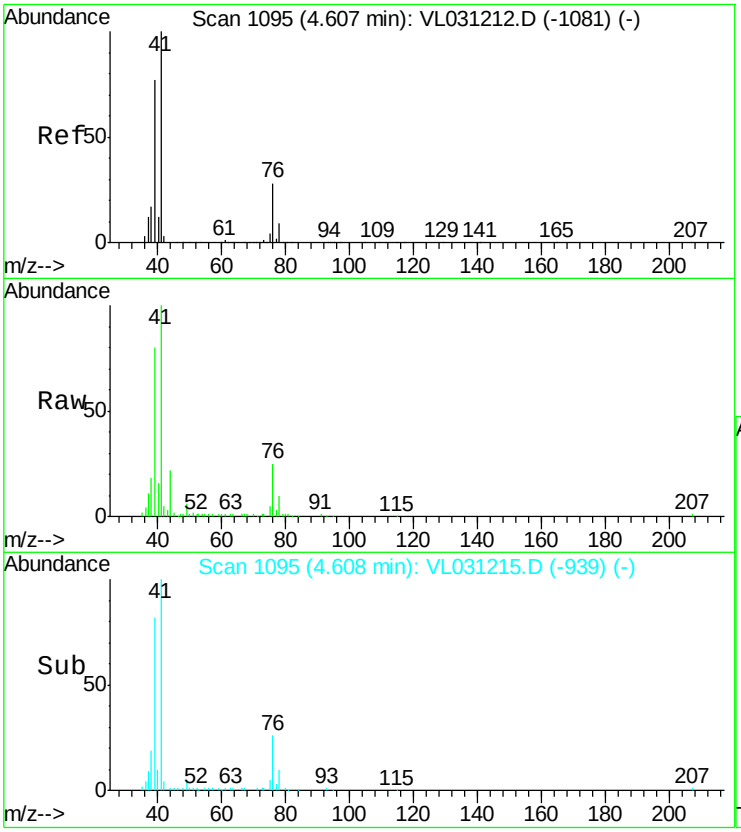


#20
Methylene Chloride
Concen: 0.77 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 84 Resp: 40448

Ion	Ratio	Lower	Upper
84	100		
49	154.7	125.8	188.6
51	45.4	39.3	58.9
86	66.4	51.1	76.7

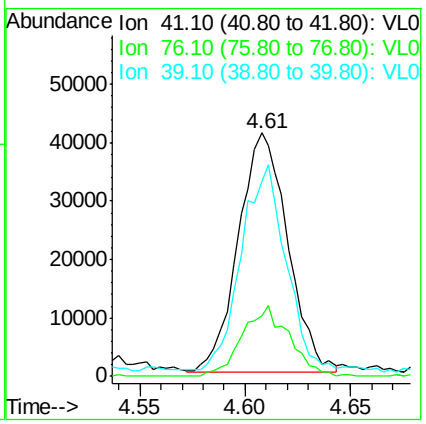




#21
Allvl Chloride
Concen: 0.88 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 41 Resp: 66444

Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.9	34.3
39	82.3	62.6	93.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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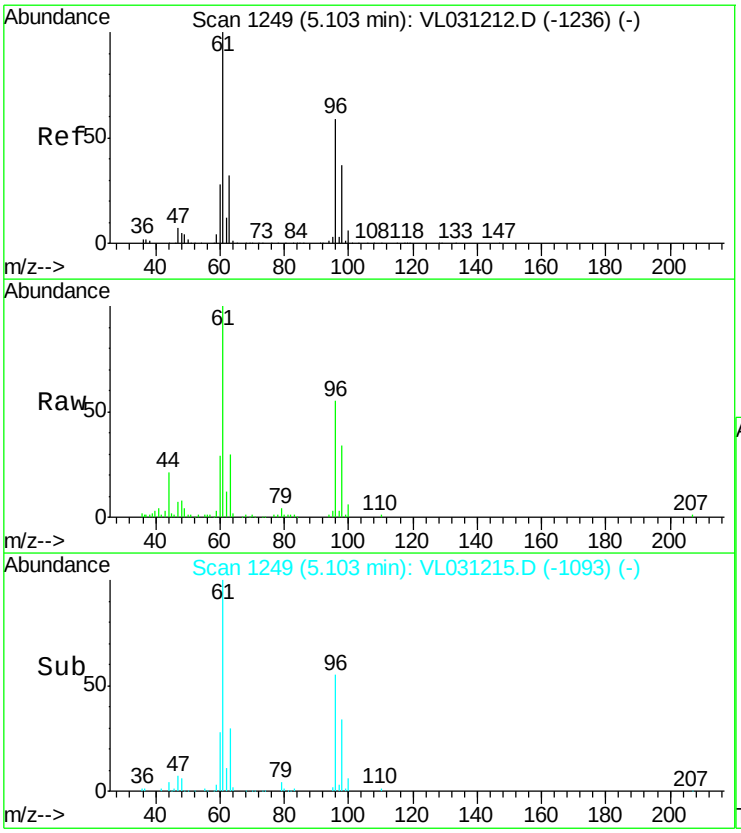
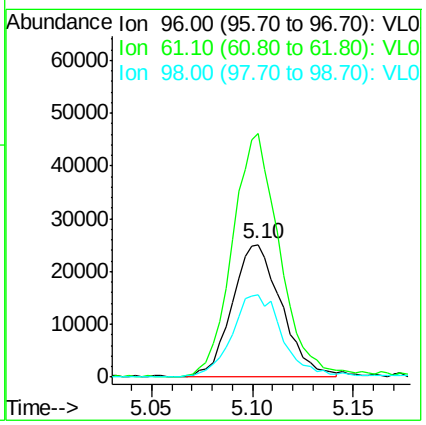
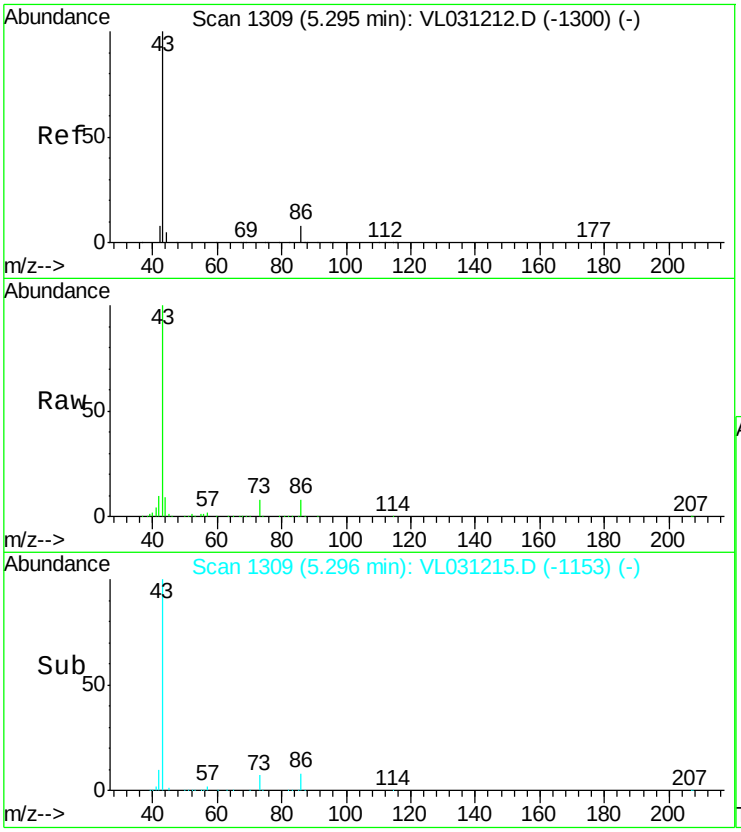


#22
trans-1,2-Dichloroethene
Concen: 0.66 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 96 Resp: 43264

Ion	Ratio	Lower	Upper
96	100		
61	181.4	135.0	202.4
98	60.7	50.5	75.7

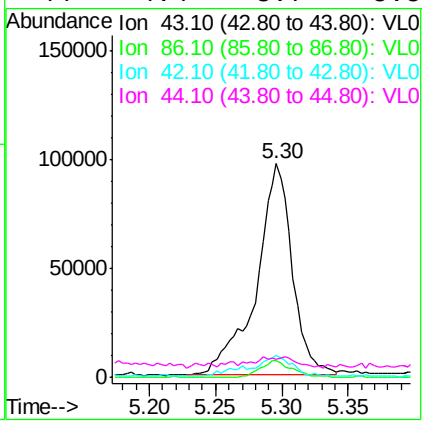




#23
Vinyl Acetate
Concen: 0.68 ppbv
RT: 5.30 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 183561

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.9	8.9
42	9.6	7.3	10.9
44	4.4	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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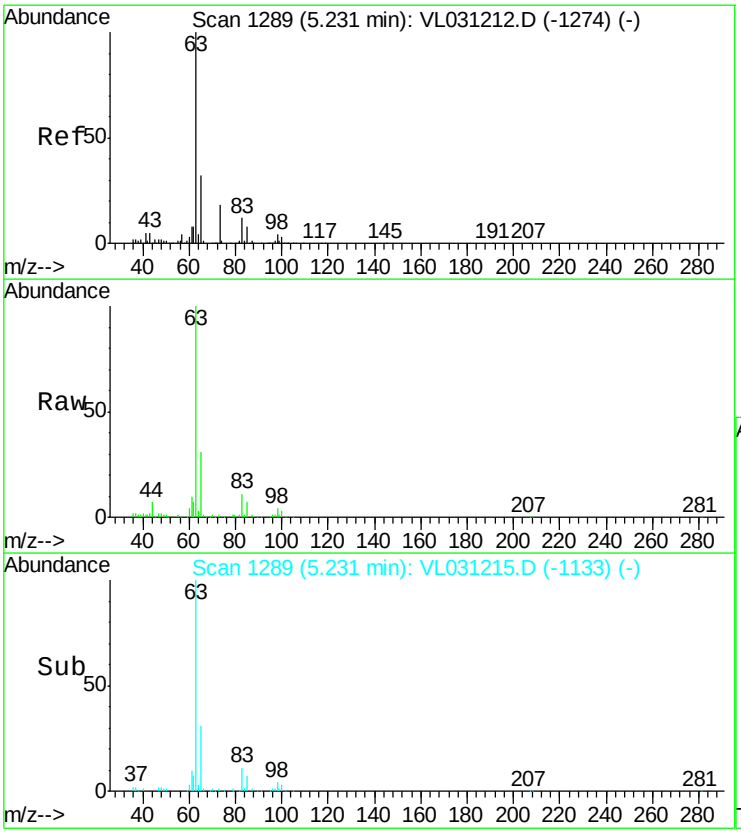
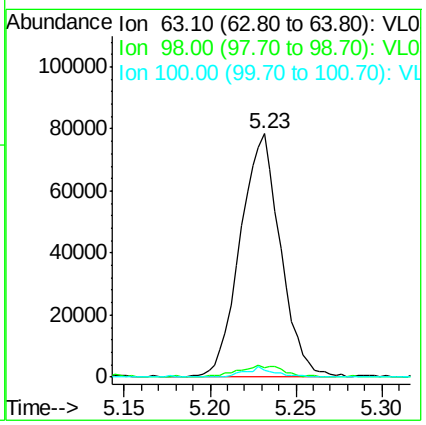
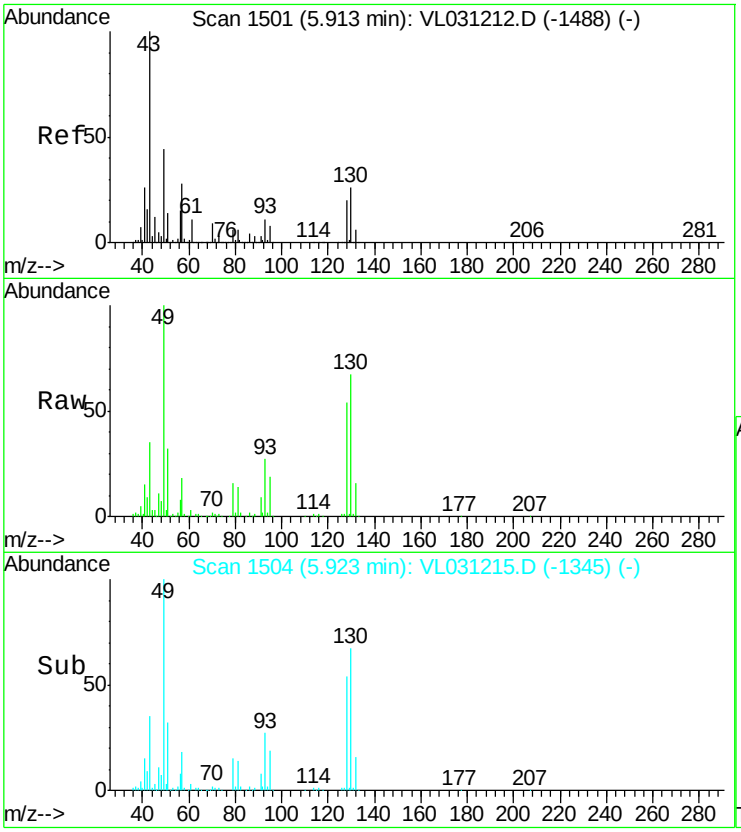


#24
1,1-Dichloroethane
Concen: 0.55 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 63 Resp: 127669

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.8
100	2.8	1.4	4.2

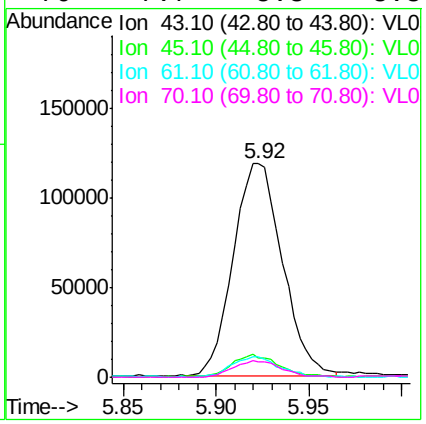




#25
Ethyl Acetate
Concen: 0.58 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 218691

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.0	12.0
61	9.8	7.4	11.0
70	7.7	5.8	8.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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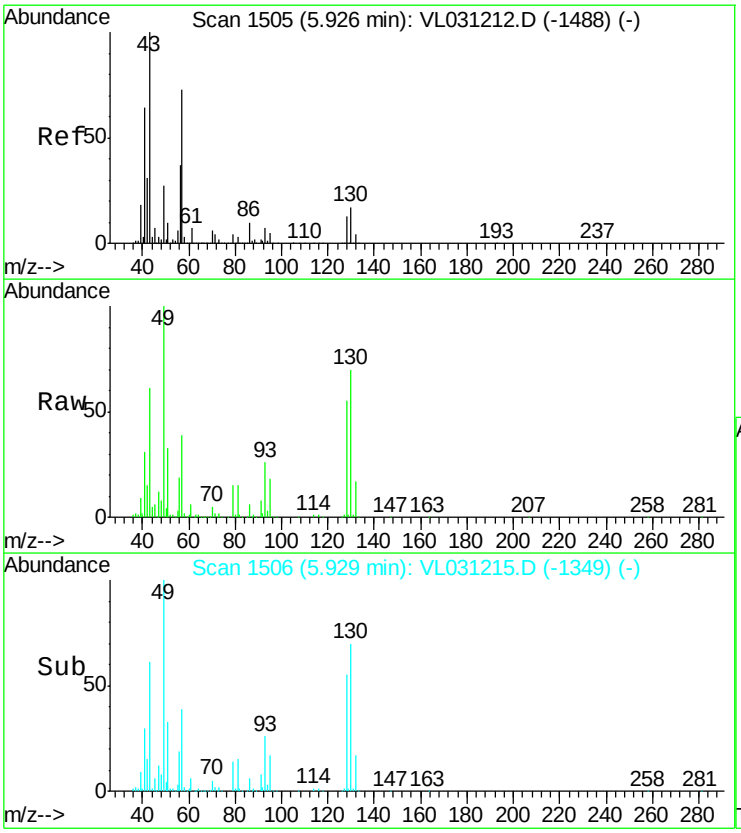
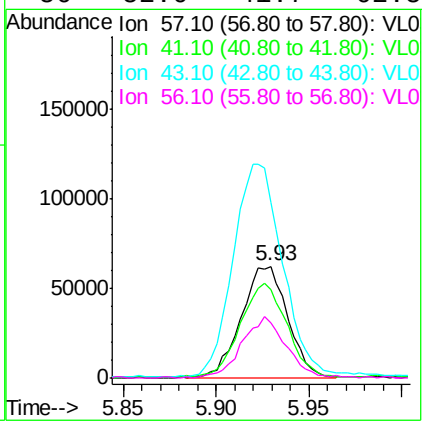
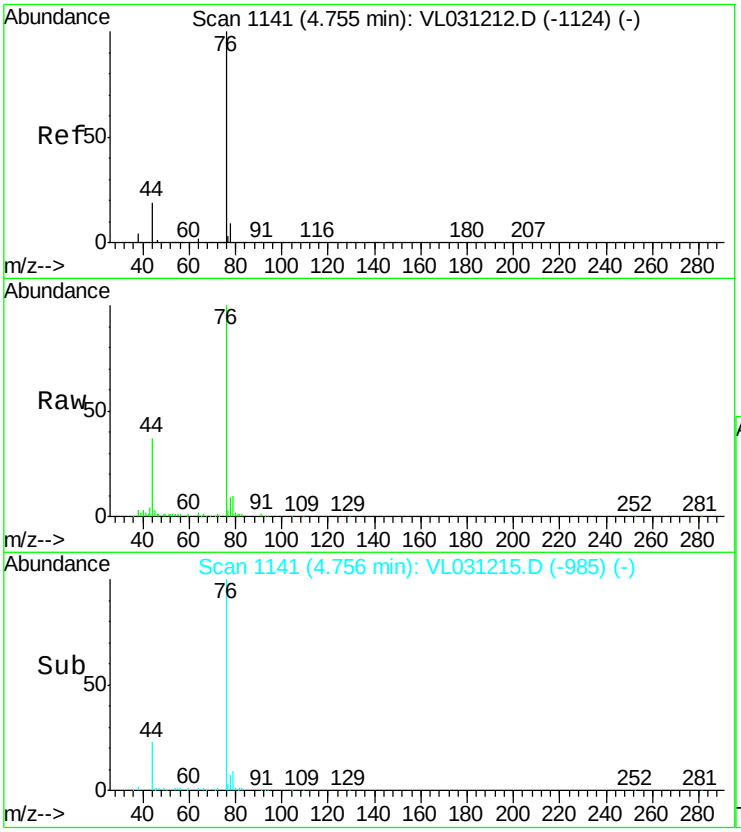


#26
Hexane
Concen: 0.59 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 57 Resp: 107476

Ion	Ratio	Lower	Upper
57	100		
41	84.8	70.3	105.5
43	210.2	173.8	260.8
56	52.0	41.7	62.5

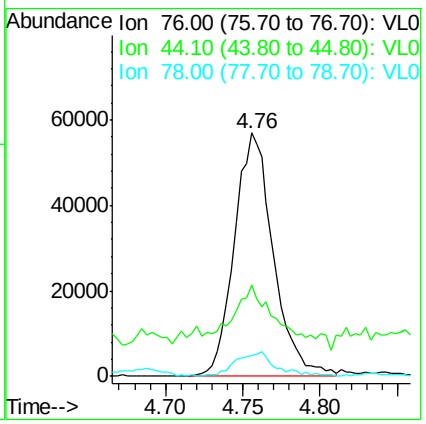




#27
Carbon Disulfide
Concen: 0.78 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 76 Resp: 99516

Ion	Ratio	Lower	Upper
76	100		
44	43.4	16.0	24.0#
78	10.6	7.5	11.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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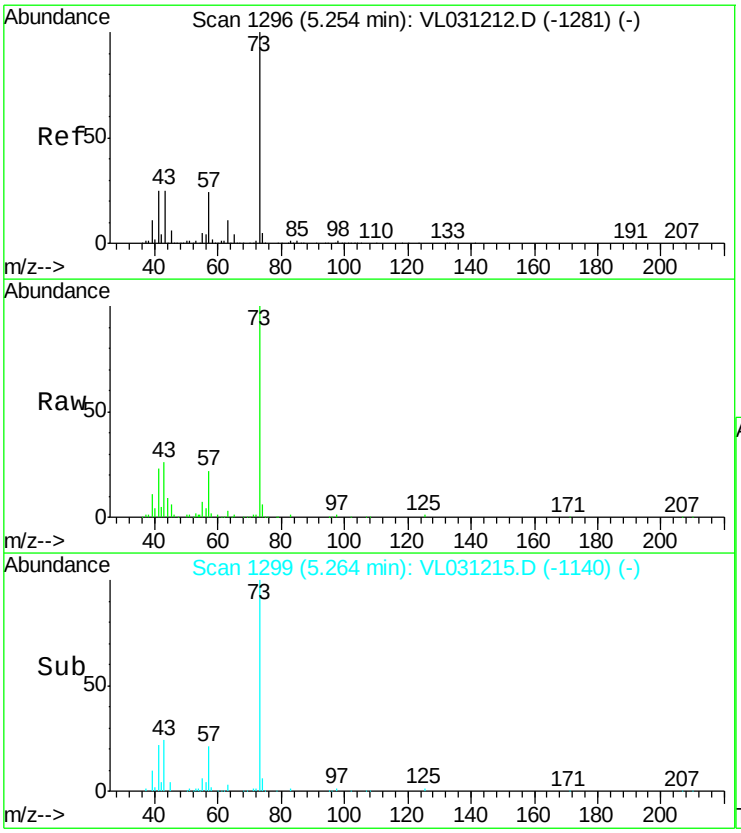
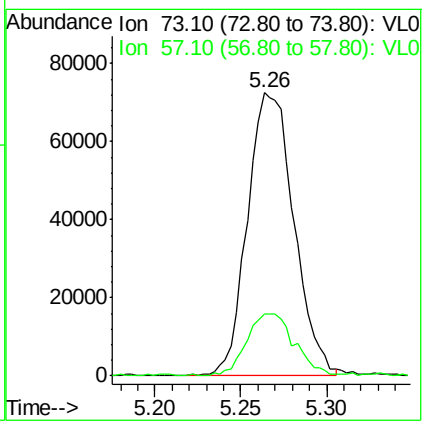
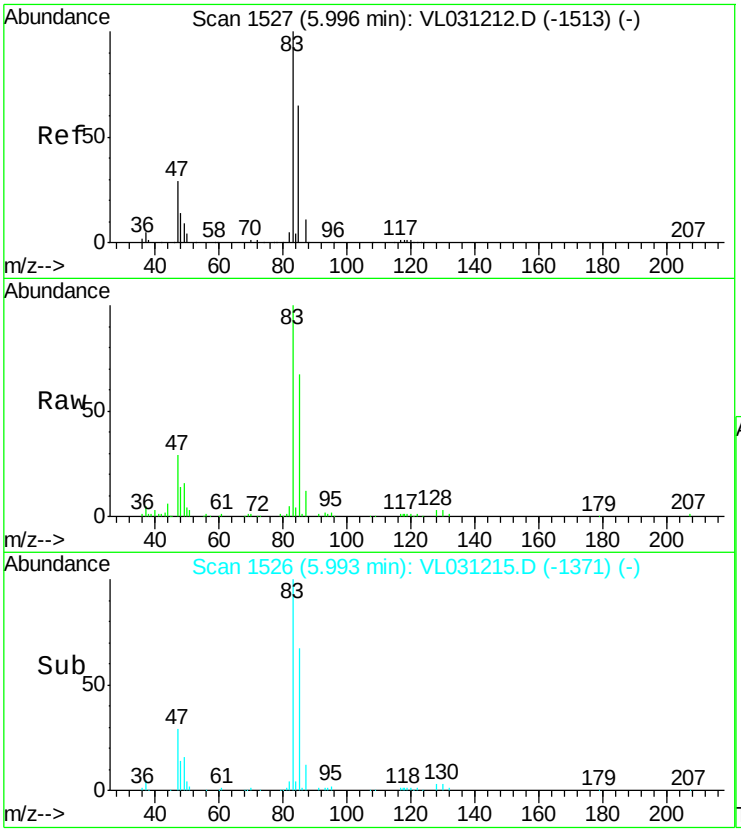


#28
Methyl tert-Butyl Ether
Concen: 0.67 ppbv
RT: 5.26 min Scan# 1299
Delta R.T. 0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 73 Resp: 135736

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.5	27.7

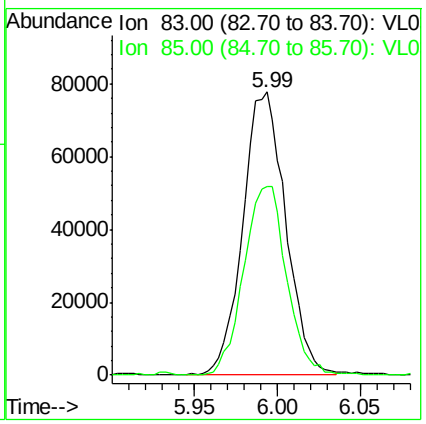




#29
Chloroform
Concen: 0.53 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 83 Resp: 139497

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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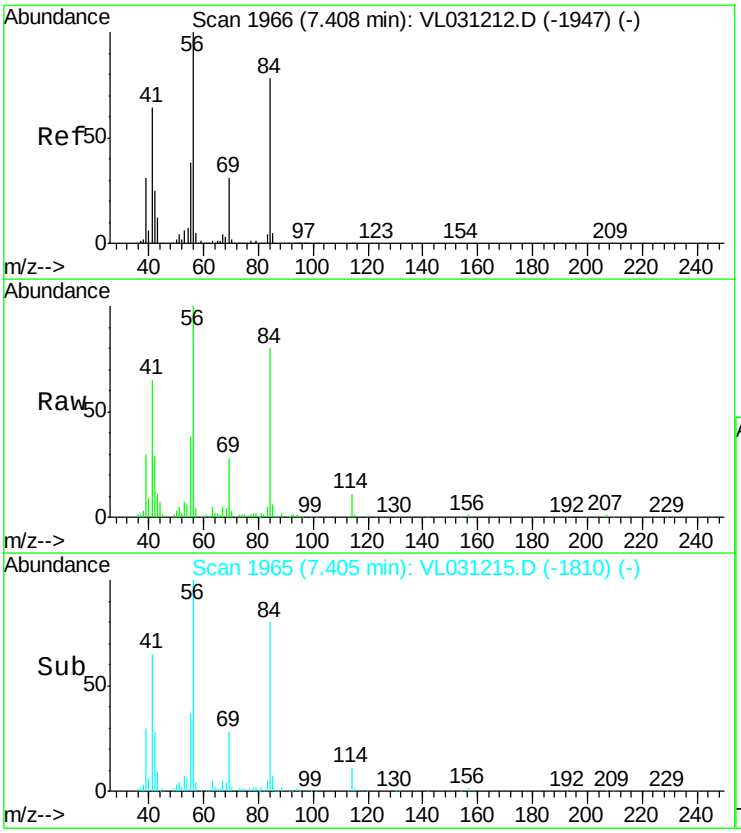
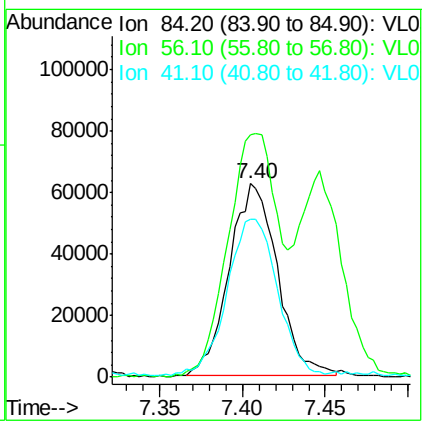
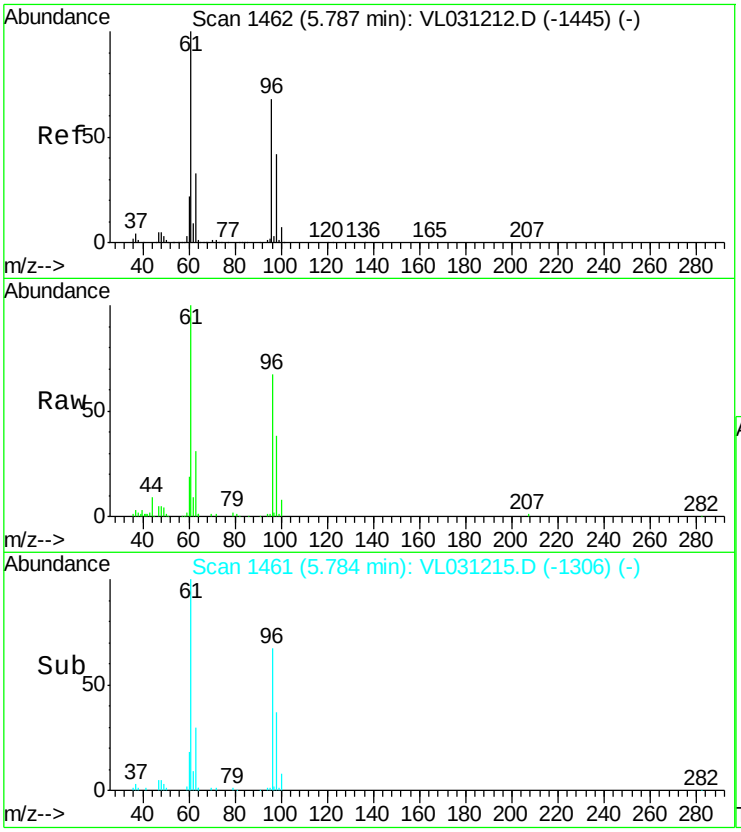


#30
Cyclohexane
Concen: 0.87 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 84 Resp: 126263

Ion	Ratio	Lower	Upper
84	100		
56	125.9	108.0	162.0
41	87.0	66.2	99.4

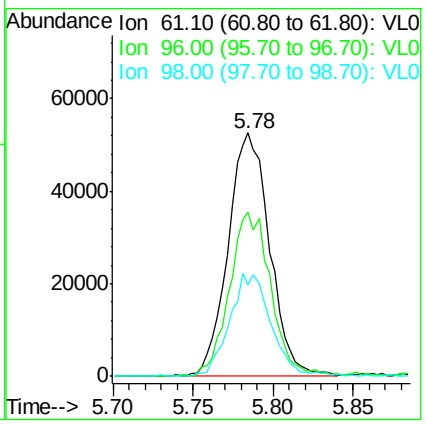




#31
cis-1,2-Dichloroethene
Concen: 0.53 ppbv
RT: 5.78 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 61 Resp: 93140

Ion	Ratio	Lower	Upper
61	100		
96	66.8	54.4	81.6
98	37.7	33.6	50.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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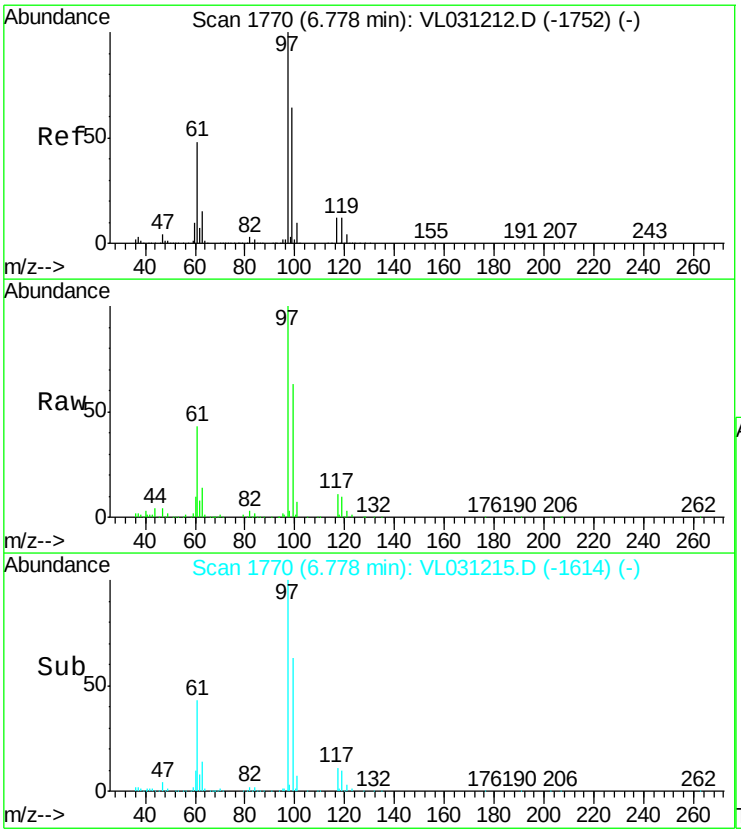
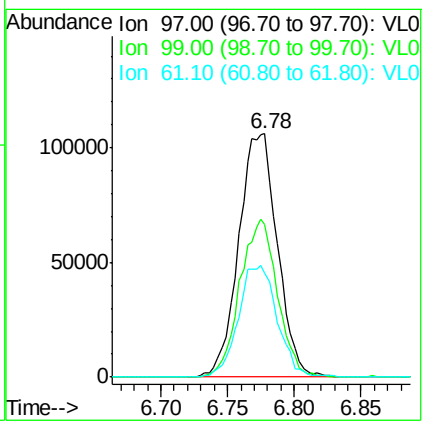
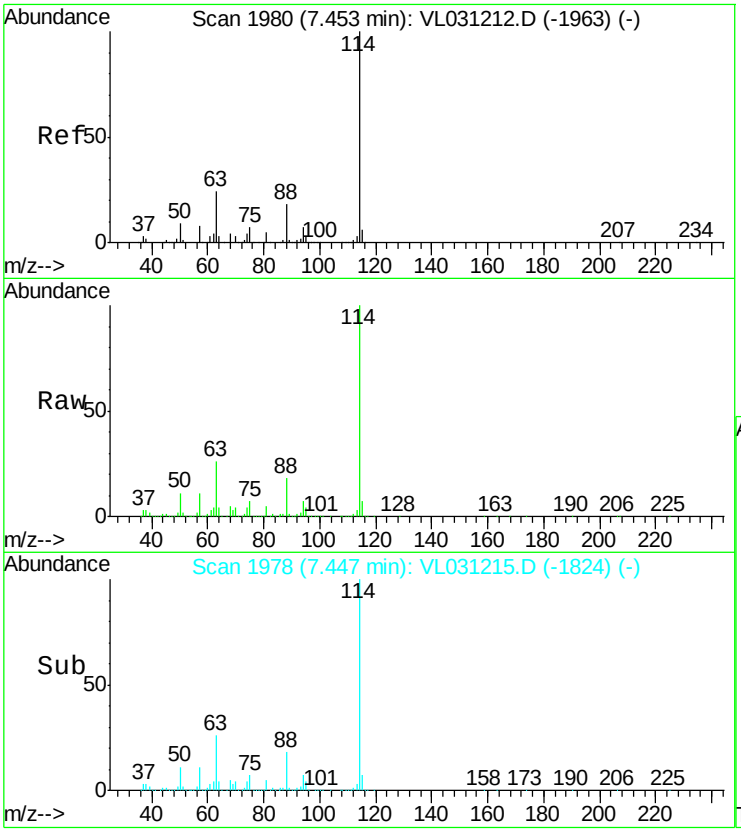


#32
1,1,1-Trichloroethane
Concen: 0.98 ppbv m
RT: 6.78 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 97 Resp: 214205

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.0
61	46.3	38.4	57.6

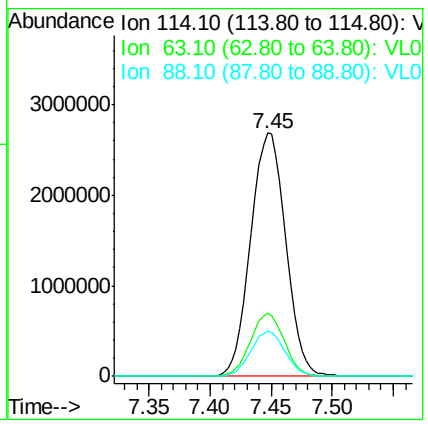




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:114 Resp: 5337667

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.8	29.8
88	18.1	14.2	21.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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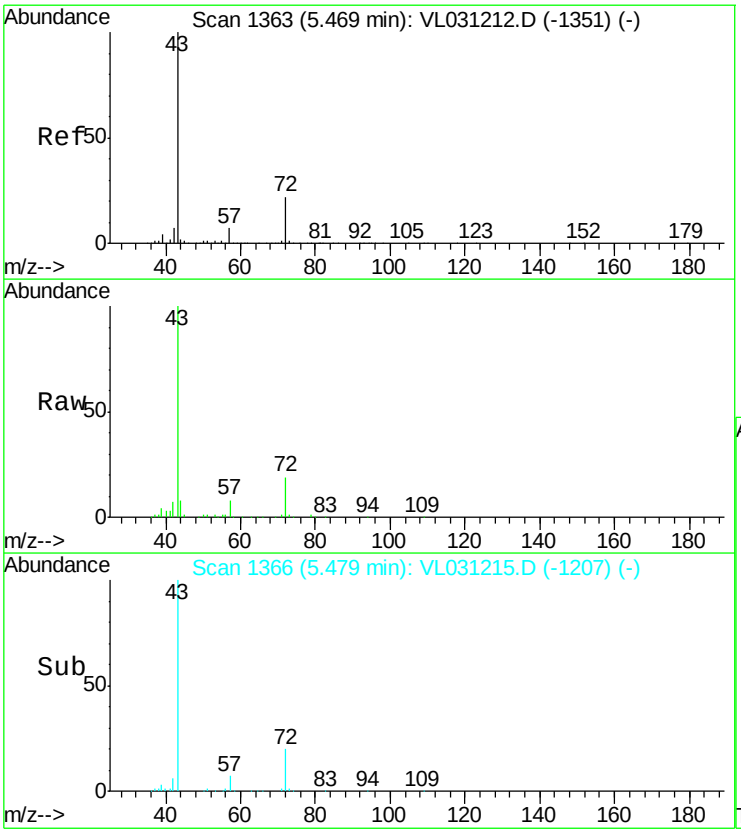
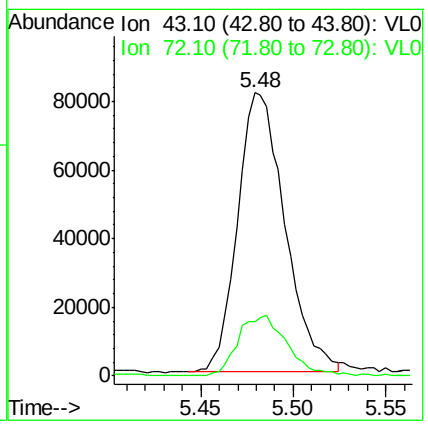
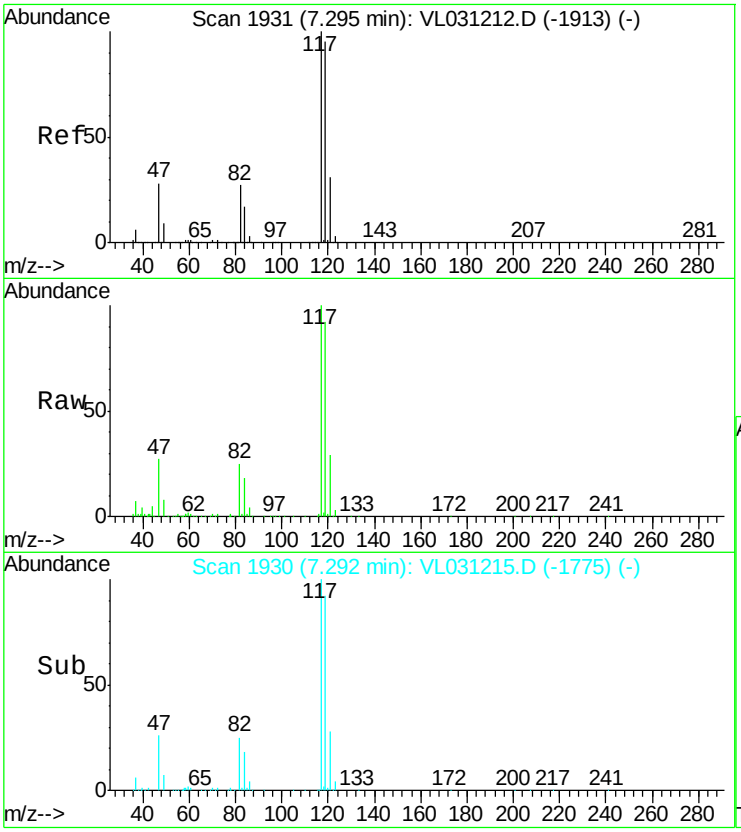


#34
2-Butanone
Concen: 0.33 ppbv
RT: 5.48 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 143523

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1

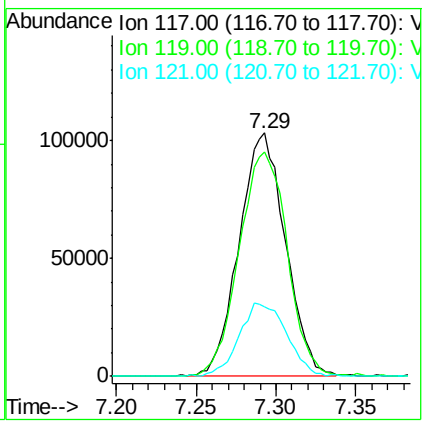




#35
Carbon Tetrachloride
Concen: 0.54 ppbv
RT: 7.29 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:117 Resp: 202838

Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.9	113.9
121	28.7	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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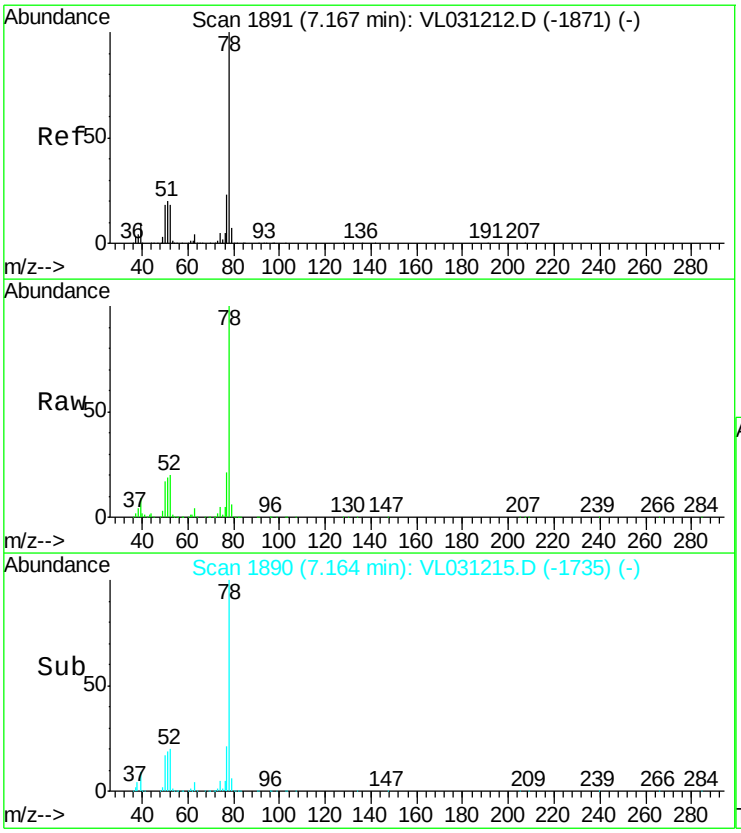
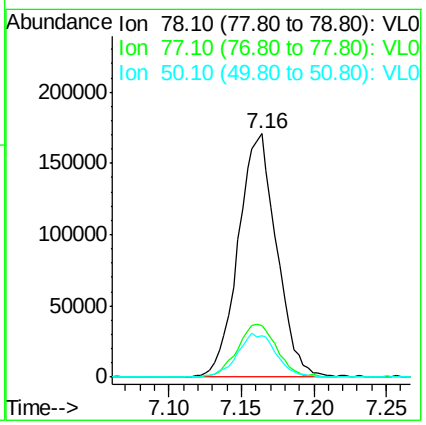
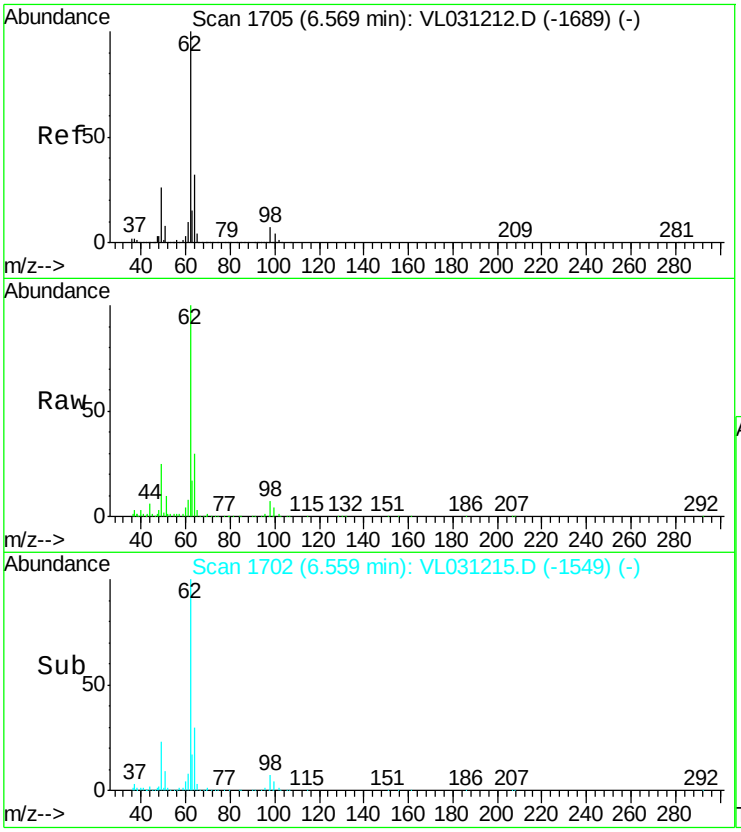


#36
Benzene
Concen: 0.51 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 78 Resp: 312472

Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.1	27.1
50	16.6	14.6	21.8

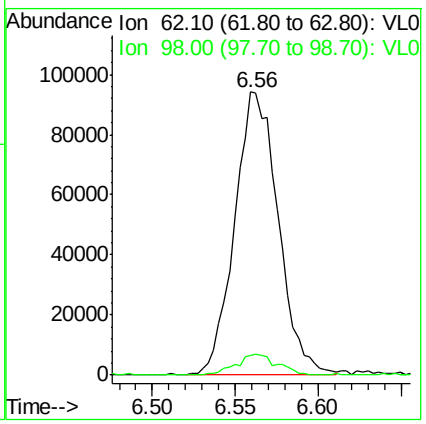




#37
1,2-Dichloroethane
Concen: 0.48 ppbv
RT: 6.56 min Scan# 1702
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 62 Resp: 172465

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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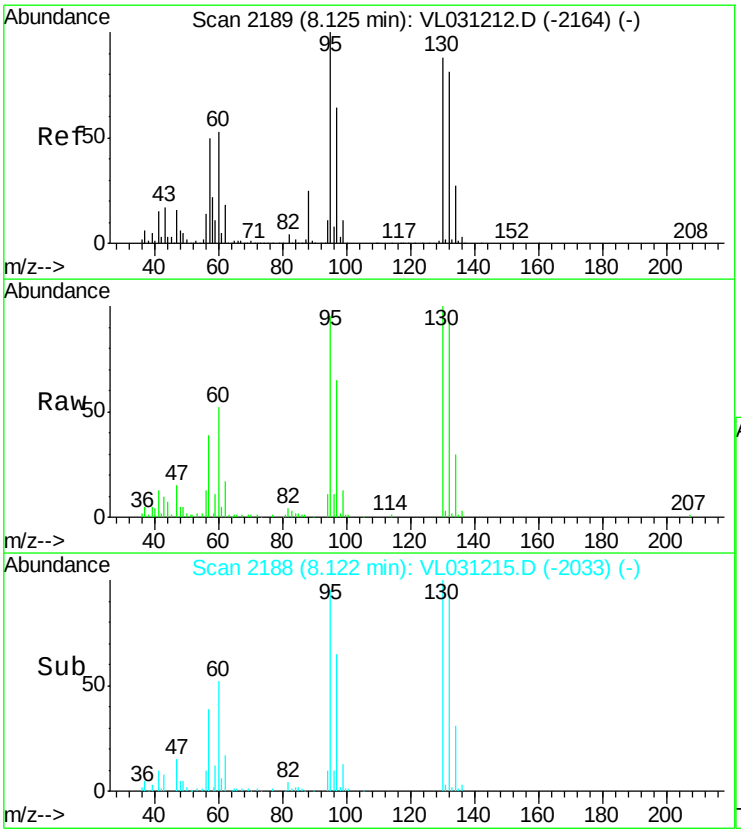
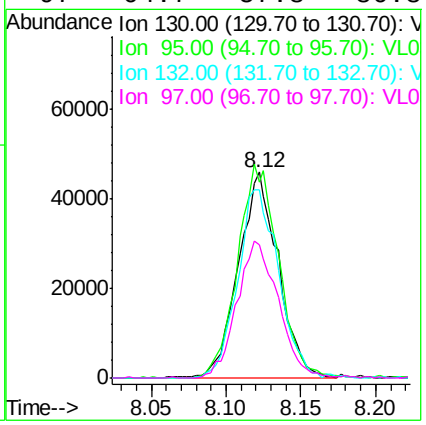
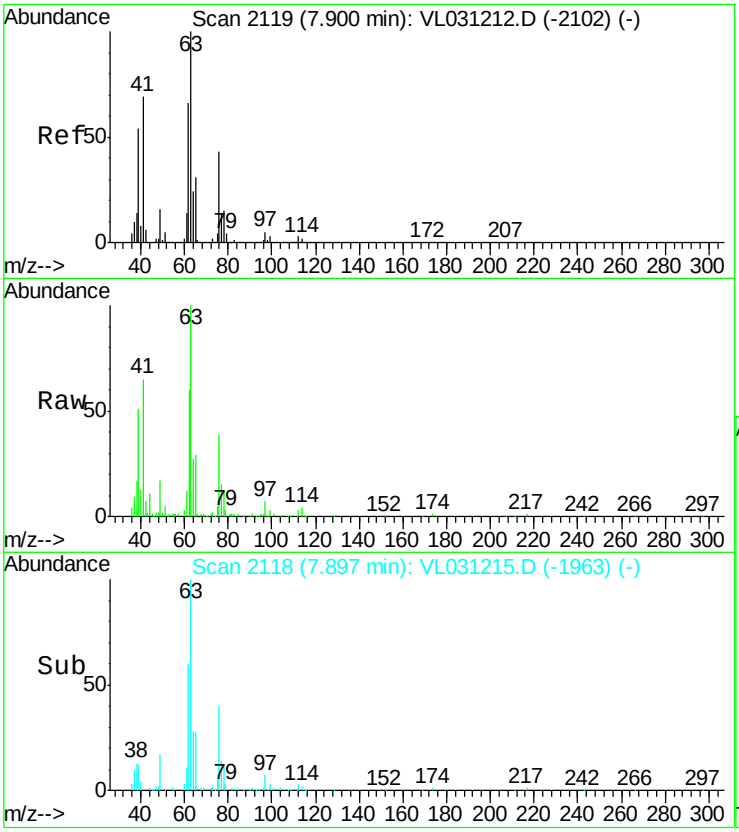


#38
Trichloroethene
Concen: 0.37 ppbv
RT: 8.12 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:130 Resp: 85074

Ion	Ratio	Lower	Upper
130	100		
95	95.2	90.6	135.8
132	91.8	73.5	110.3
97	64.7	57.8	86.8

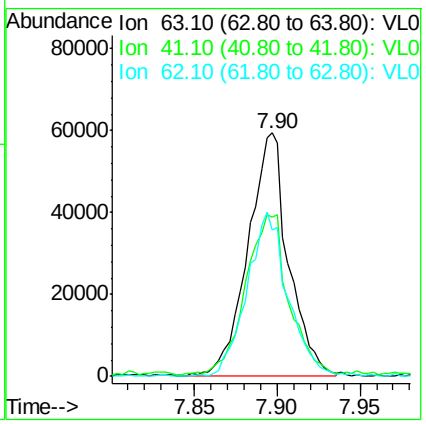




#39
1,2-Dichloropropane
Concen: 0.43 ppbv
RT: 7.90 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 63 Resp: 101403

Ion	Ratio	Lower	Upper
63	100		
41	64.0	55.2	82.8
62	59.7	53.0	79.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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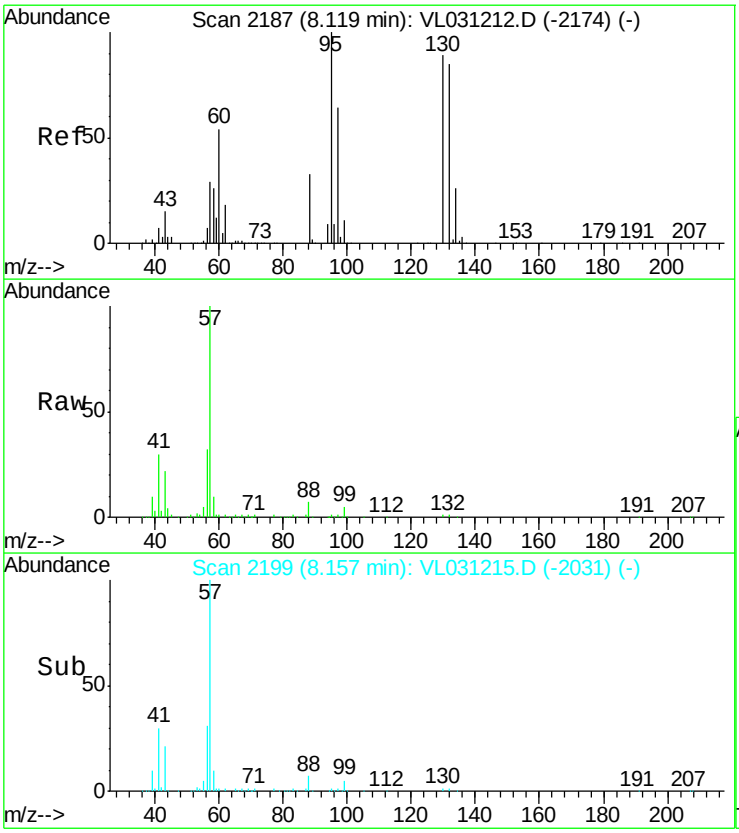
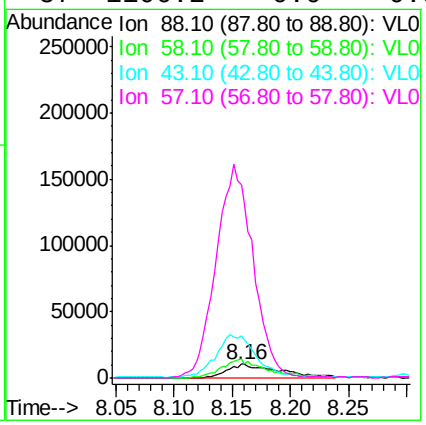
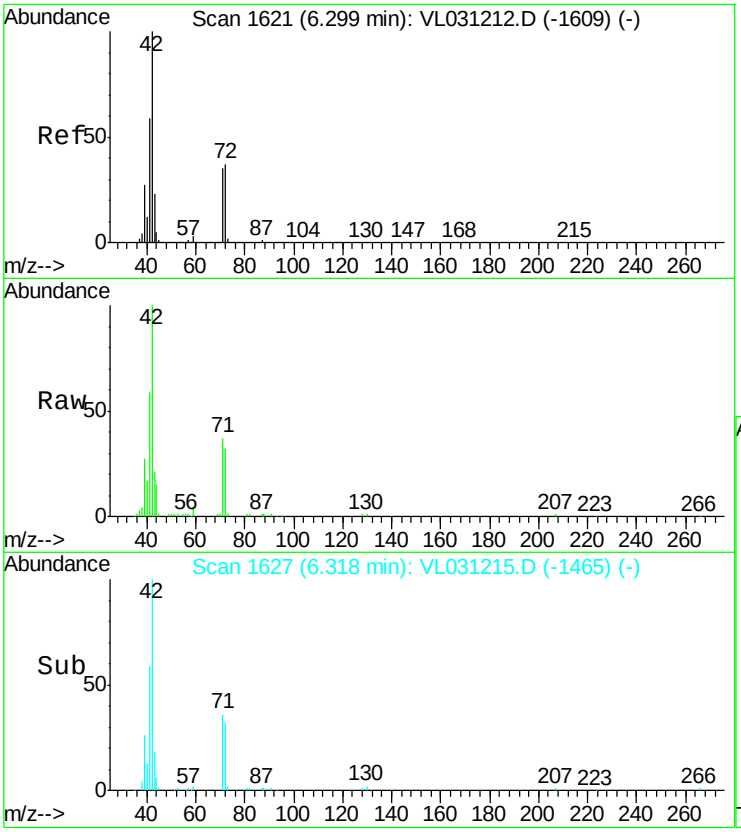


#40
1,4-Dioxane
Concen: 0.35 ppbv m
RT: 8.16 min Scan# 2199
Delta R.T. 0.04 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 88 Resp: 32383

Ion	Ratio	Lower	Upper
88	100		
58	125.5	104.3	156.5
43	250.0	0.0	0.0#
57	1106.2	0.0	0.0#

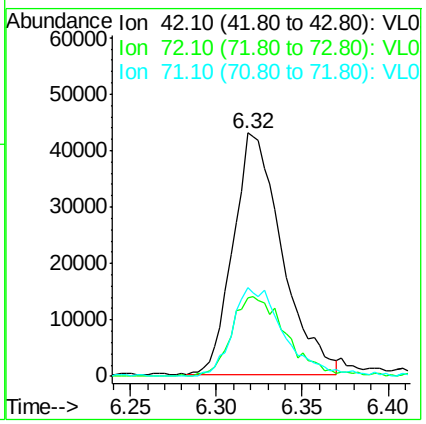




#41
Tetrahydrofuran
Concen: 0.37 ppbv
RT: 6.32 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 42 Resp: 84593

Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.2	45.4
71	39.3	29.0	43.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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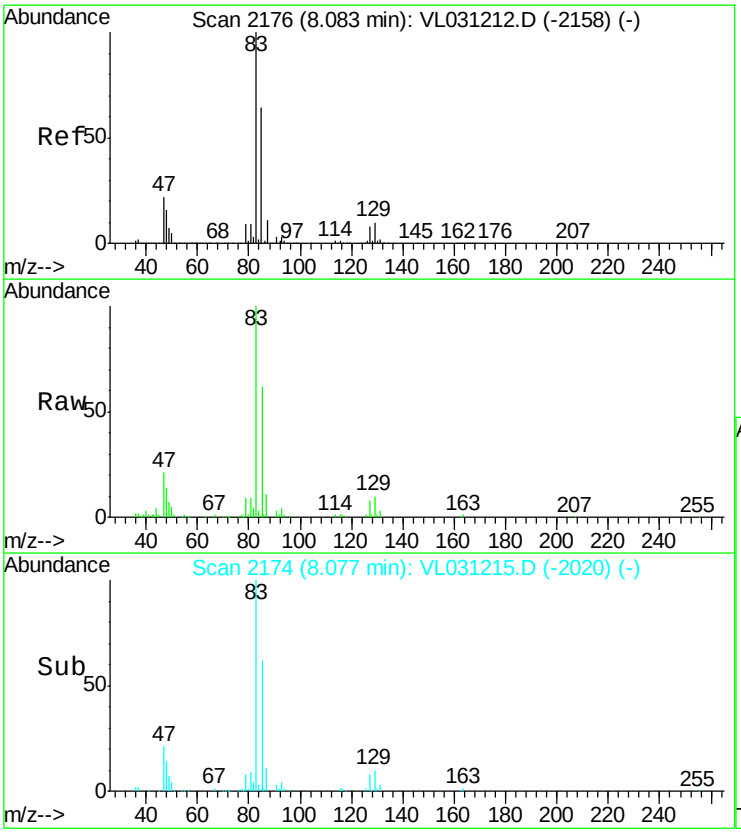
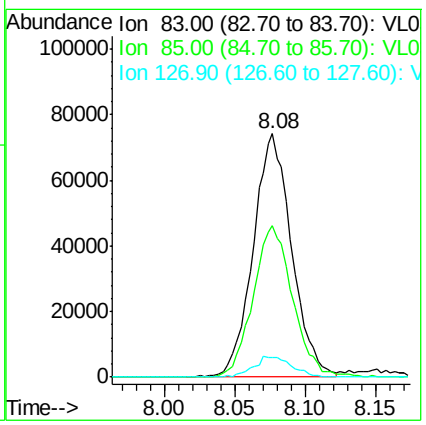
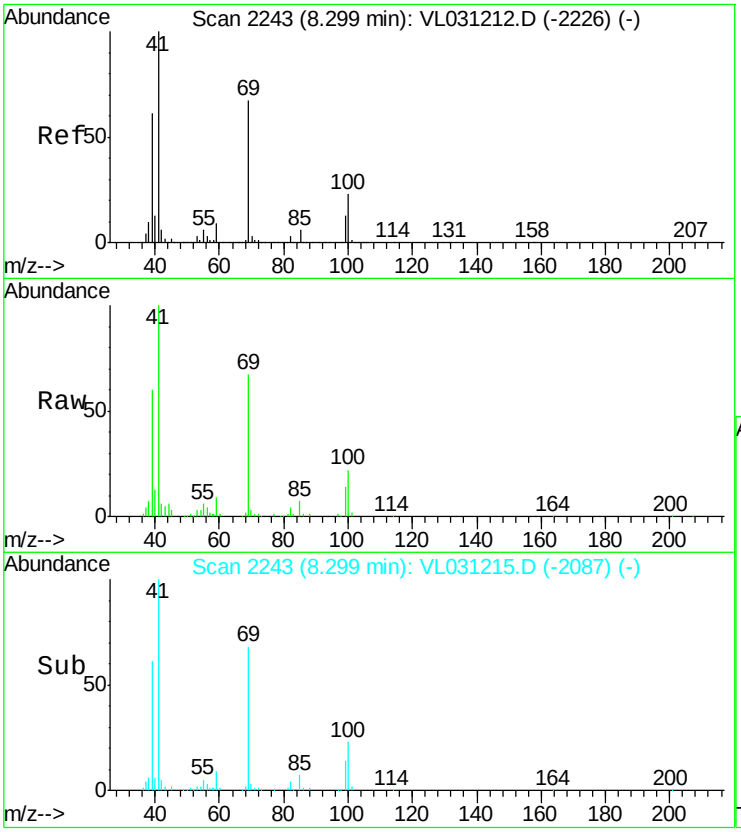


#42
Bromodichloromethane
Concen: 0.33 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 83 Resp: 141606

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3
127	8.2	6.5	9.7

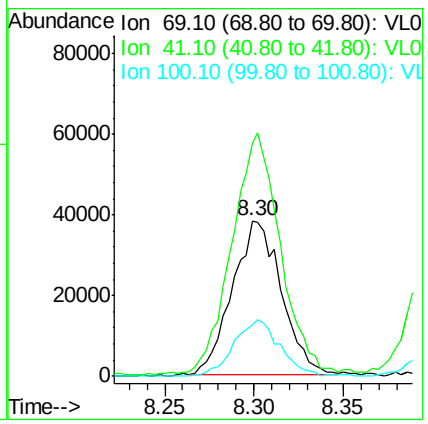




#43
Methyl Methacrylate
Concen: 0.34 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 69 Resp: 73687

Ion	Ratio	Lower	Upper
69	100		
41	154.8	121.1	181.7
100	34.8	27.4	41.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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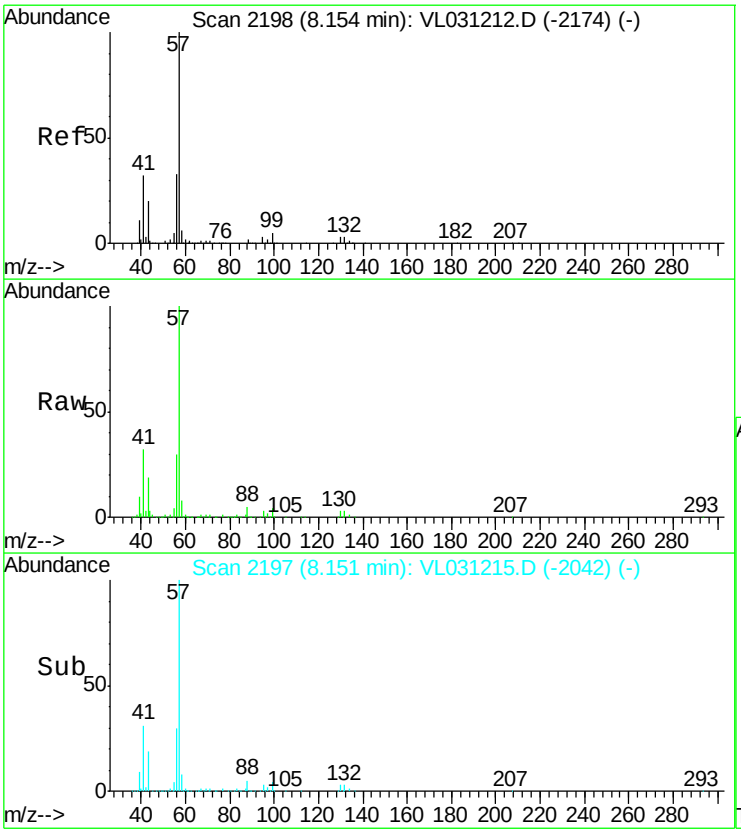
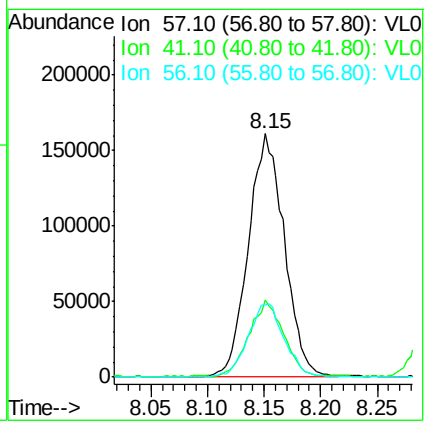
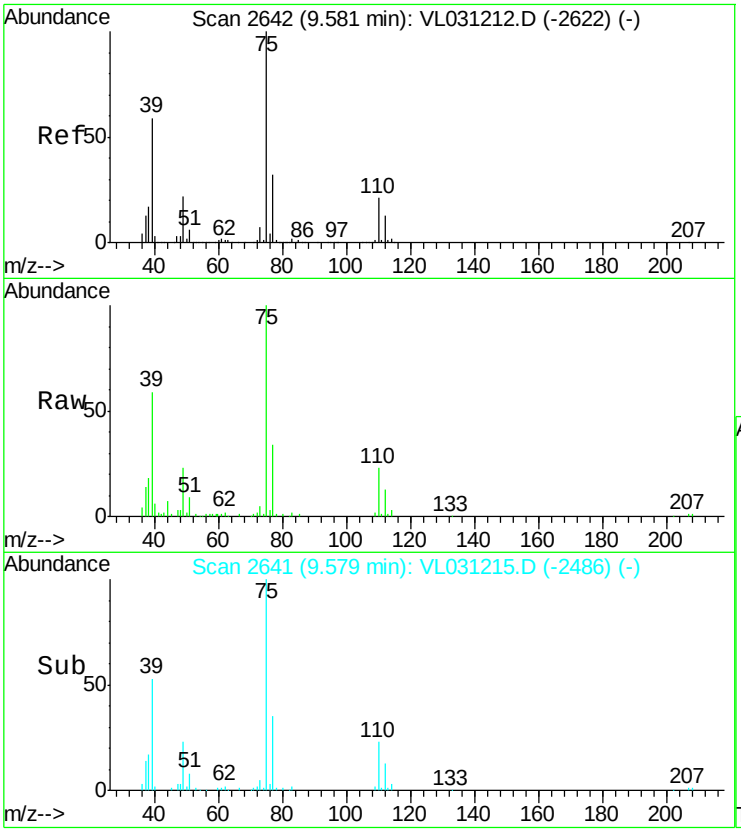


#44
2,2,4-Trimethylpentane
Concen: 0.35 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 57 Resp: 357013

Ion	Ratio	Lower	Upper
57	100		
41	30.1	25.5	38.3
56	30.2	25.0	37.6

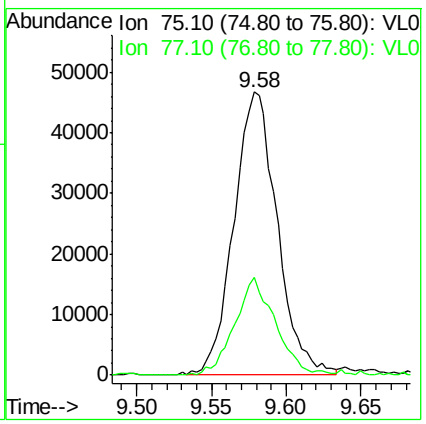




#45
t-1,3-Dichloropropene
Concen: 0.36 ppbv
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 75 Resp: 94303

Ion	Ratio	Lower	Upper
75	100		
77	34.5	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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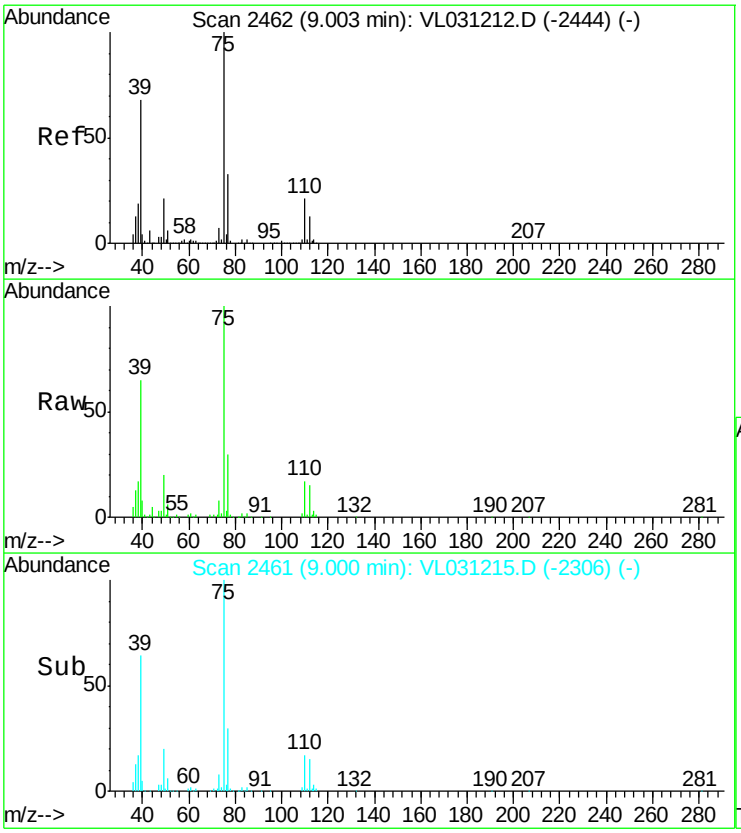
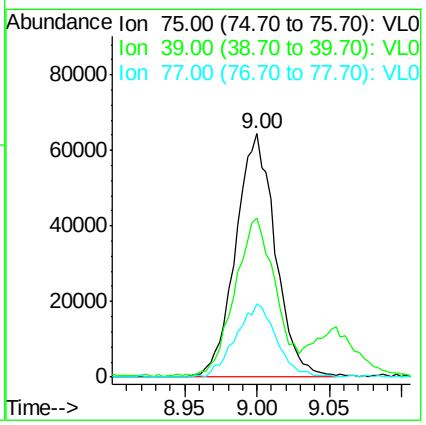
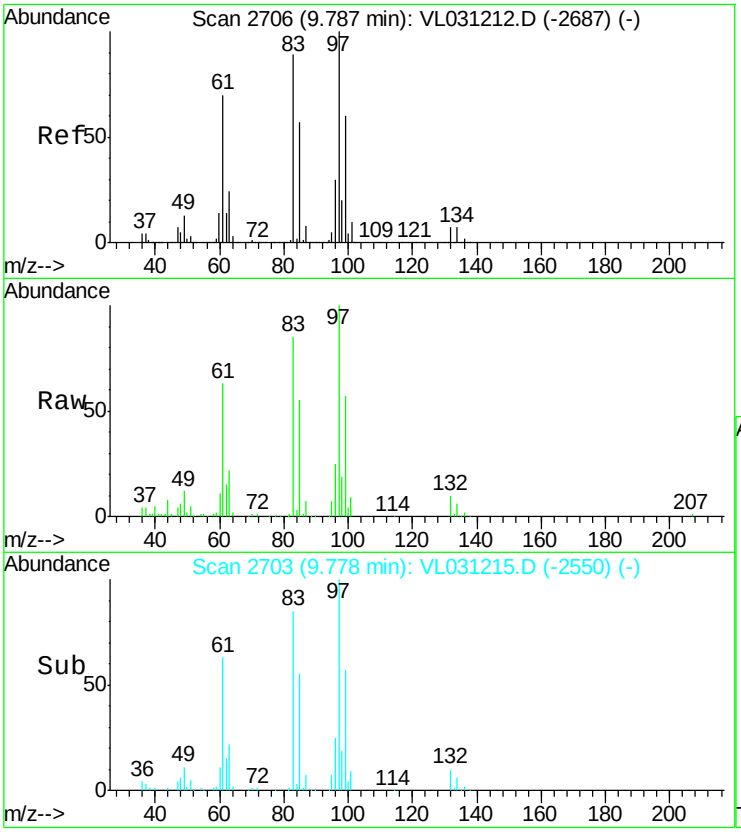


#46
cis-1,3-Dichloropropene
Concen: 0.35 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 75 Resp: 122703

Ion	Ratio	Lower	Upper
75	100		
39	64.2	54.2	81.4
77	29.9	26.2	39.4

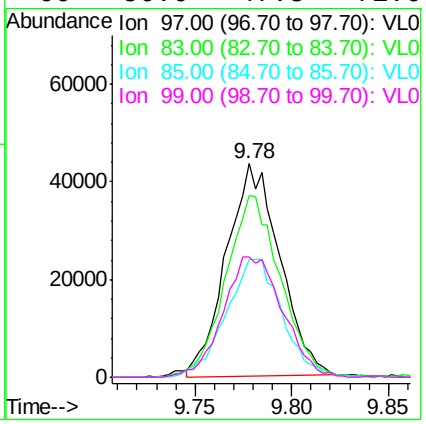




#47
1,1,2-Trichloroethane
Concen: 0.34 ppbv
RT: 9.78 min Scan# 2703
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 97 Resp: 83744

Ion	Ratio	Lower	Upper
97	100		
83	85.2	71.0	106.4
85	54.2	45.3	67.9
99	56.6	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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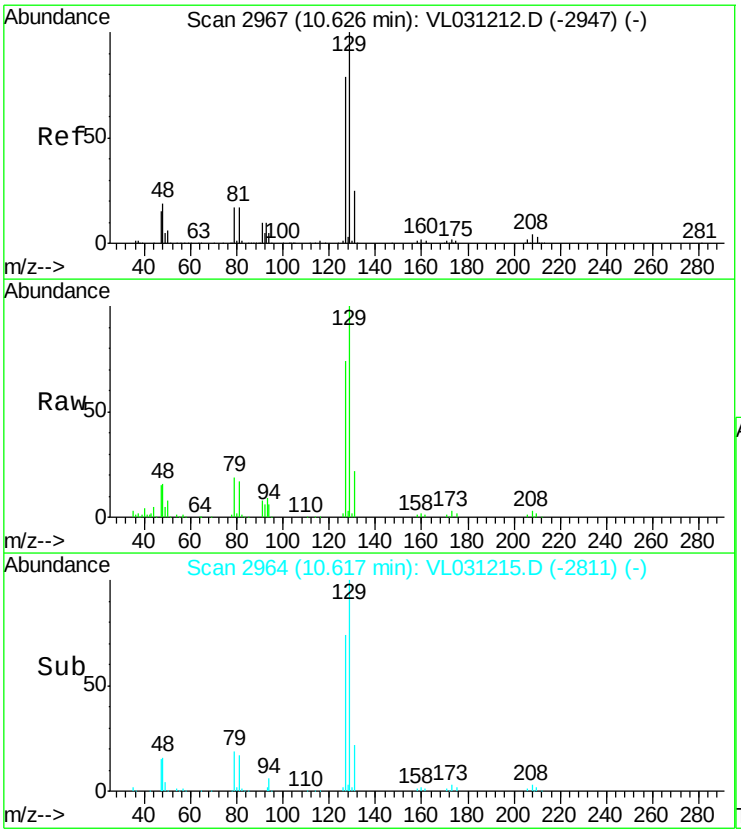
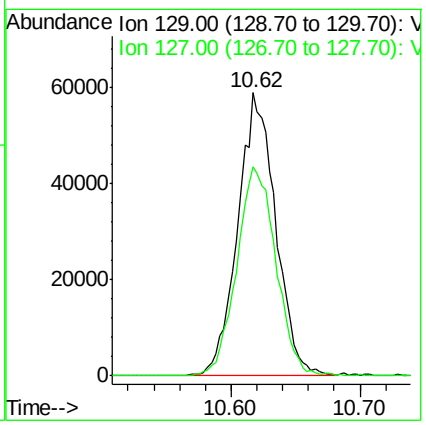
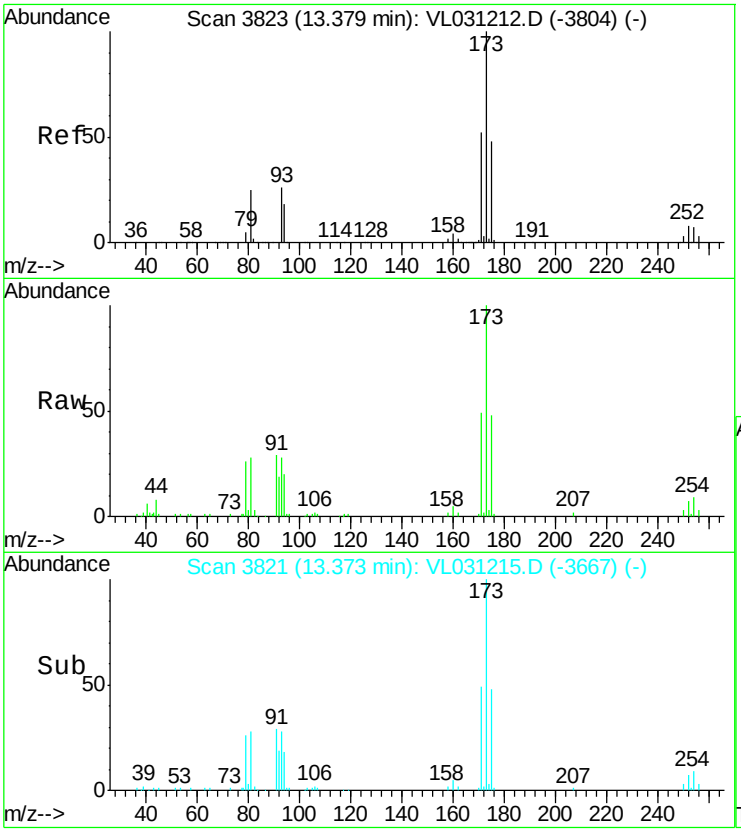


#48
Dibromochloromethane
Concen: 0.36 ppbv
RT: 10.62 min Scan# 2964
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:129 Resp: 120414

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.5

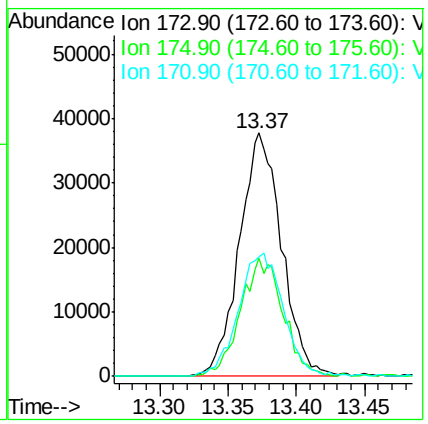




#49
Bromoform
Concen: 0.32 ppbv
RT: 13.37 min Scan# 3821
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:173 Resp: 81129

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.0	58.4
171	54.0	41.8	62.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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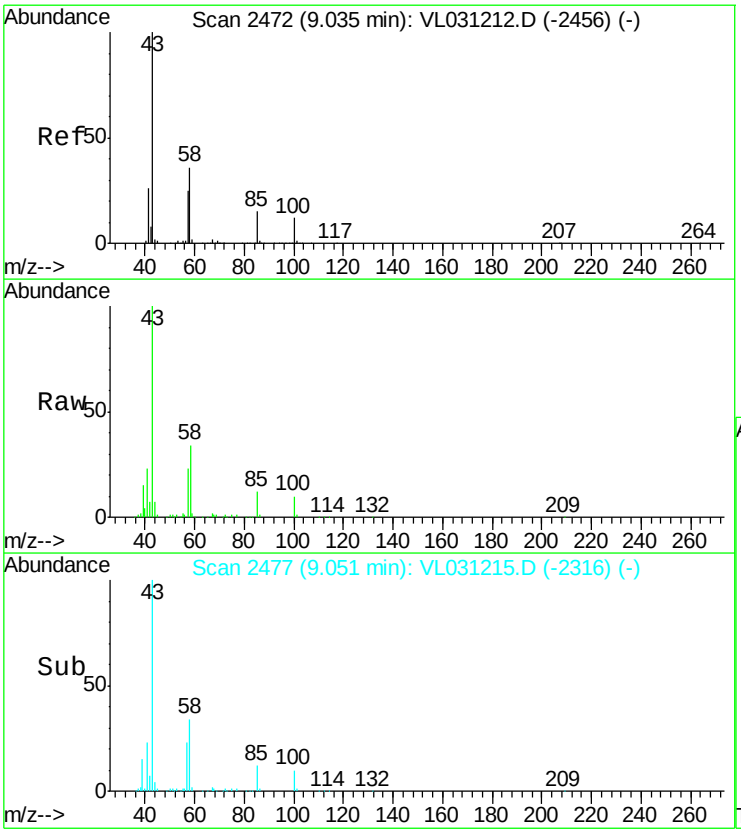
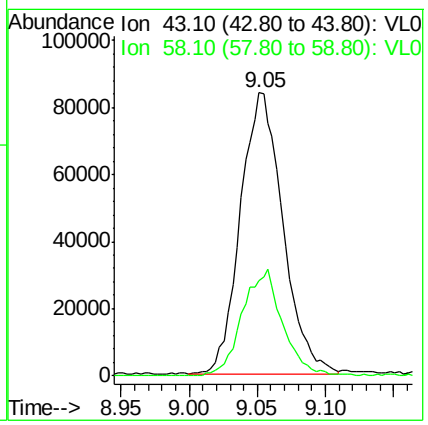
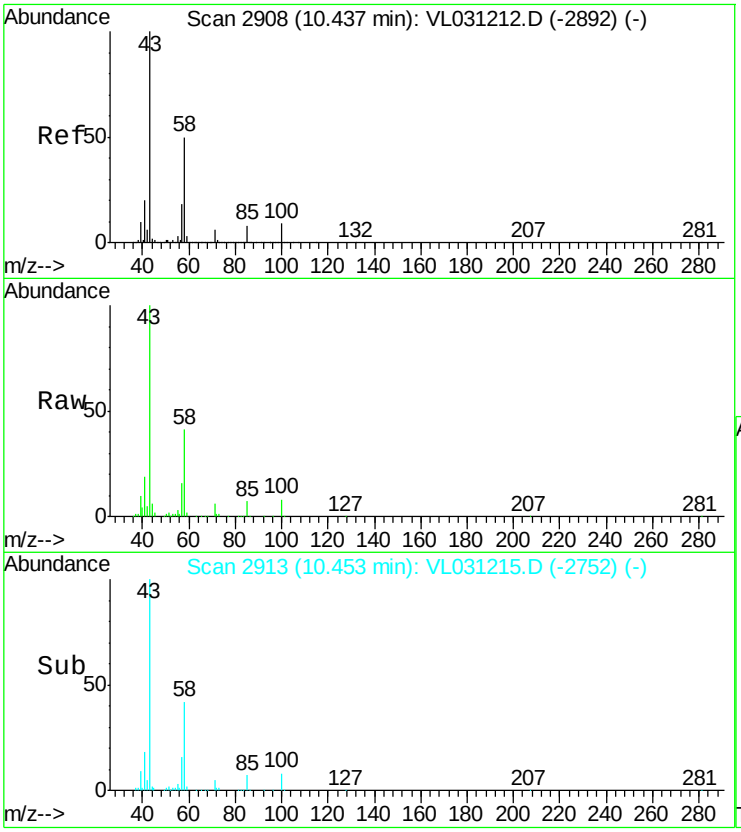


#50
4-Methyl-2-Pentanone
Concen: 0.33 ppbv
RT: 9.05 min Scan# 2477
Delta R.T. 0.02 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 180702

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.8	43.2

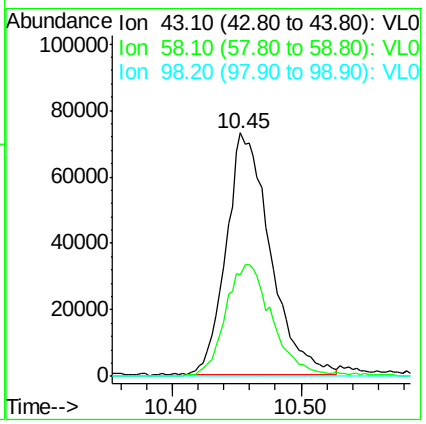




#51
2-Hexanone
Concen: 0.33 ppbv
RT: 10.45 min Scan# 2913
Delta R.T. 0.02 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 43 Resp: 171648

Ion	Ratio	Lower	Upper
43	100		
58	50.3	39.8	59.6
98	0.0	0.0	0.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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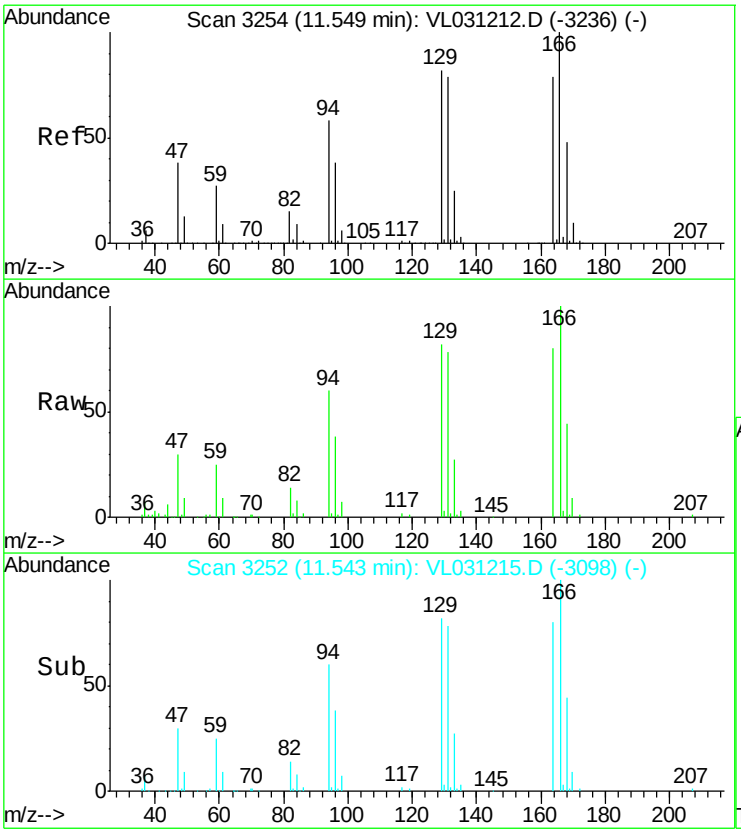
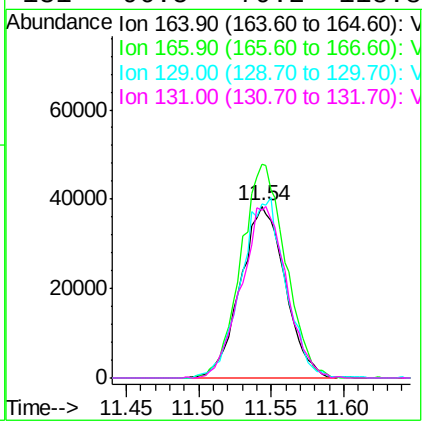
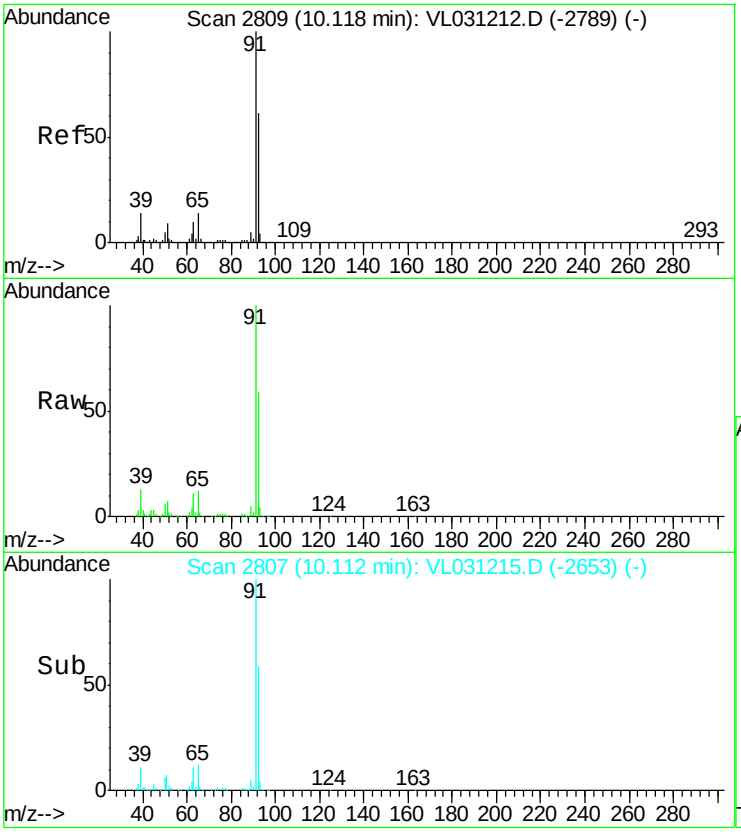


#52
Tetrachloroethene
Concen: 0.38 ppbv
RT: 11.54 min Scan# 3252
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:164 Resp: 82357

Ion	Ratio	Lower	Upper
164	100		
166	124.4	100.6	151.0
129	101.4	82.9	124.3
131	96.5	79.2	118.8





#53
Toluene
Concen: 0.36 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 249274

Ion	Ratio	Lower	Upper
91	100		
92	61.5	49.1	73.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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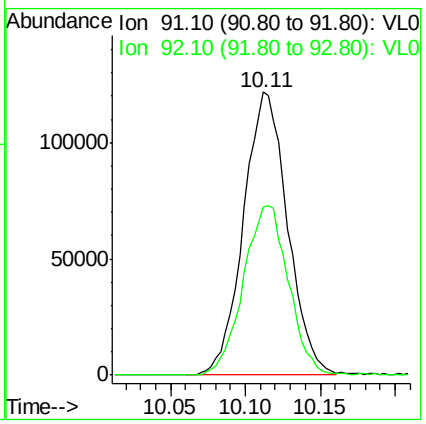
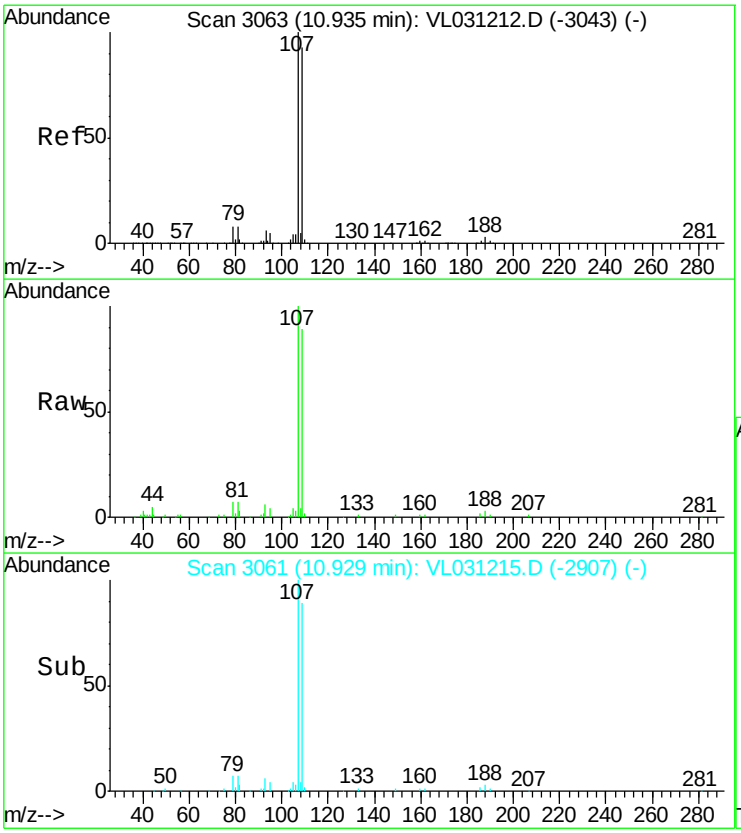
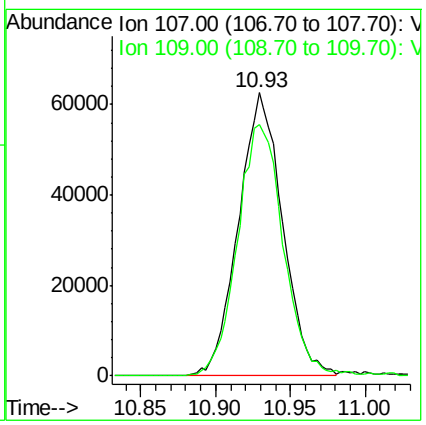


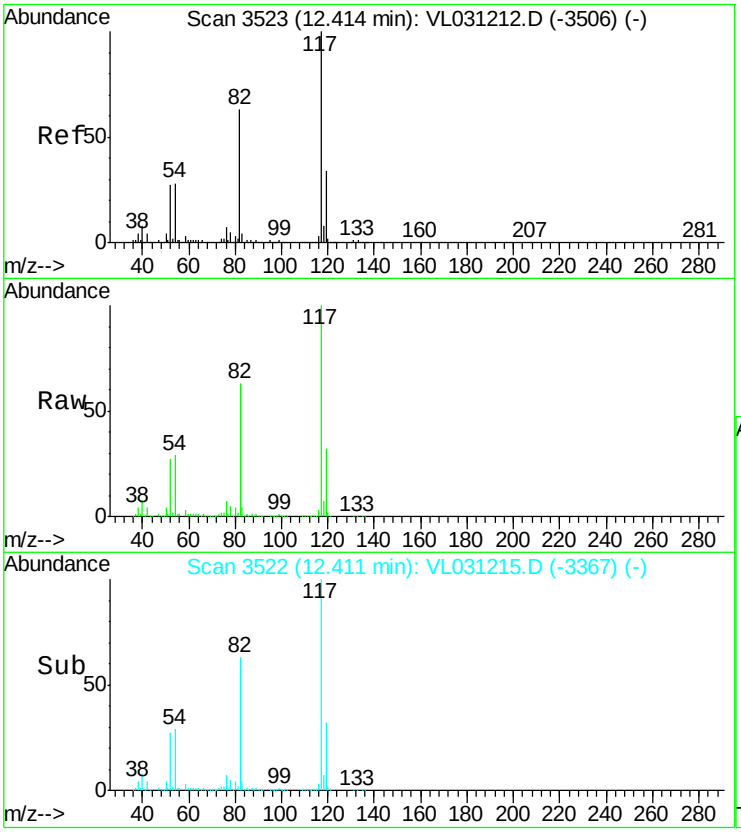


#54
1,2-Dibromoethane
Concen: 0.36 ppbv
RT: 10.93 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:107 Resp: 128316

Ion	Ratio	Lower	Upper
107	100		
109	88.6	74.7	112.1

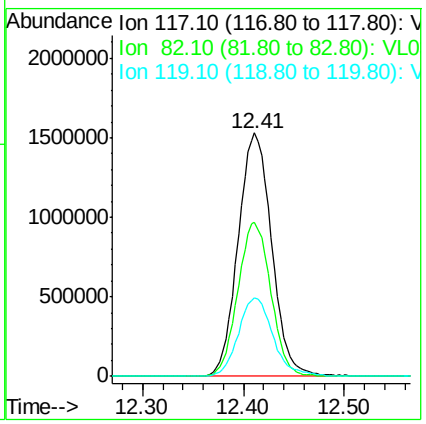




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:117 Resp: 3527660

Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.1	72.1
119	33.5	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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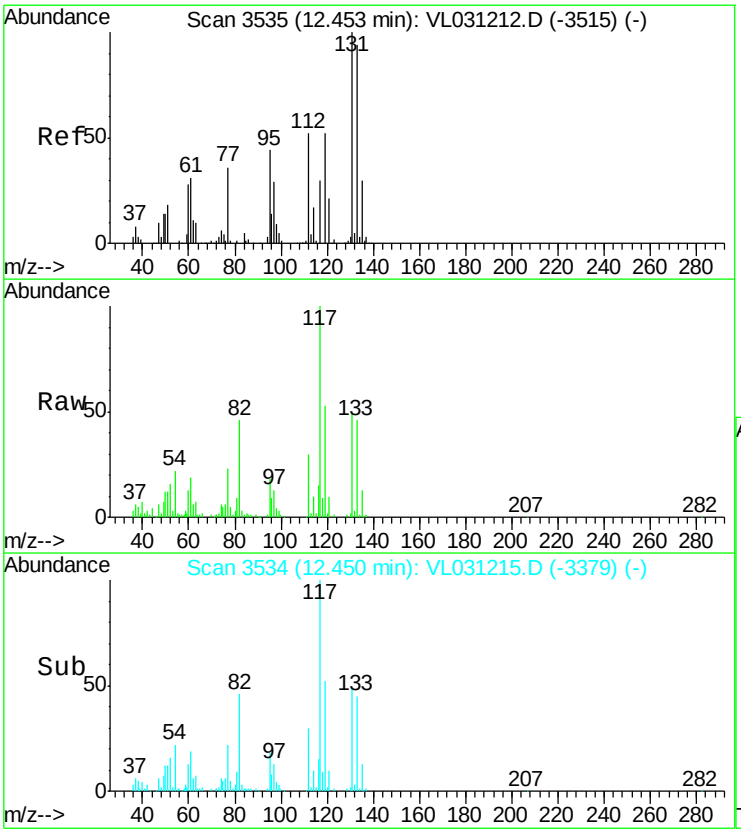
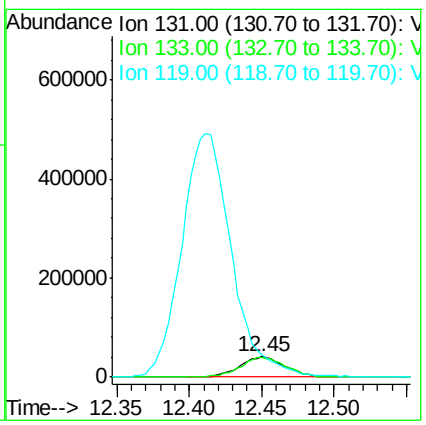
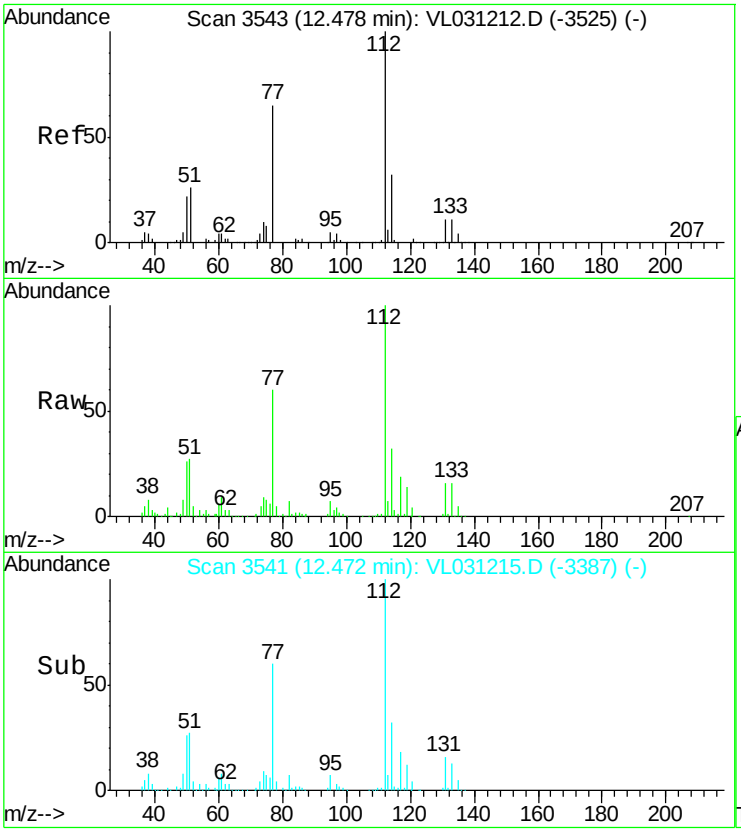


#56
1,1,1,2-Tetrachloroethane
Concen: 0.62 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:131 Resp: 89253

Ion	Ratio	Lower	Upper
131	100		
133	98.8	76.1	114.1
119	1323.8	108.5	162.7#

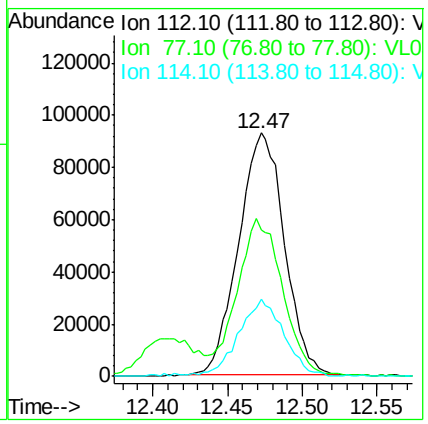




#57
Chlorobenzene
Concen: 0.57 ppbv
RT: 12.47 min Scan# 3541
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:112 Resp: 197394

Ion	Ratio	Lower	Upper
112	100		
77	59.4	52.9	79.3
114	31.7	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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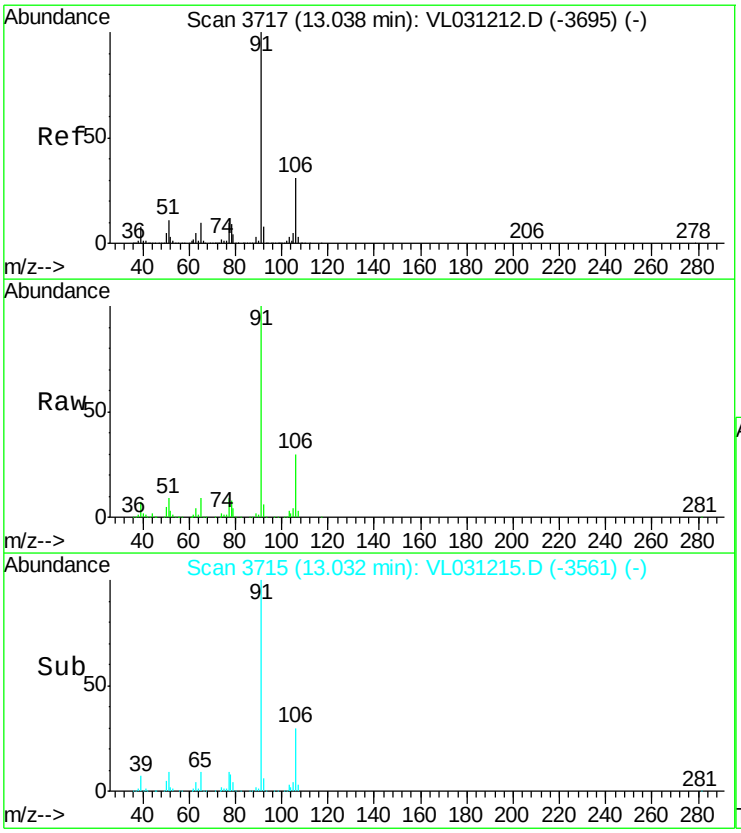
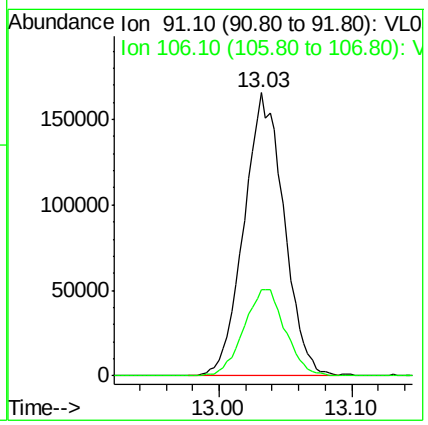
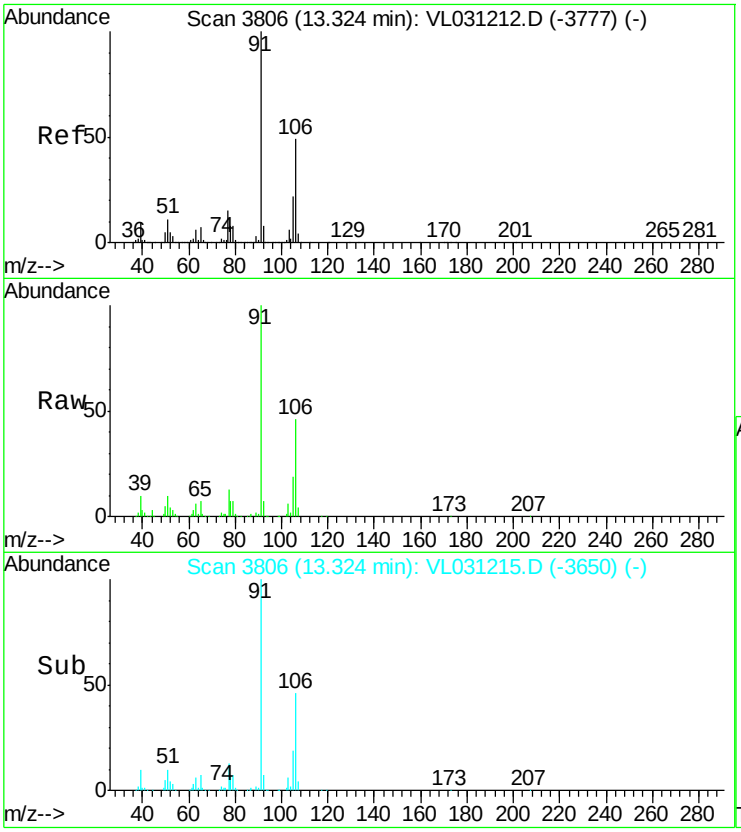


#58
Ethyl Benzene
Concen: 0.58 ppbv
RT: 13.03 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 347639

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.1	37.7





#59
m/p-Xylene
Concen: 1.10 ppbv m
RT: 13.32 min Scan# 3806
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 561782

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.5	57.7#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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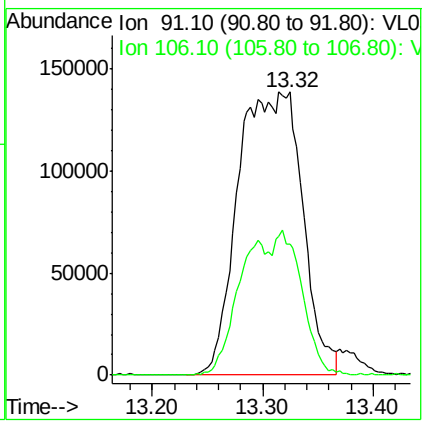
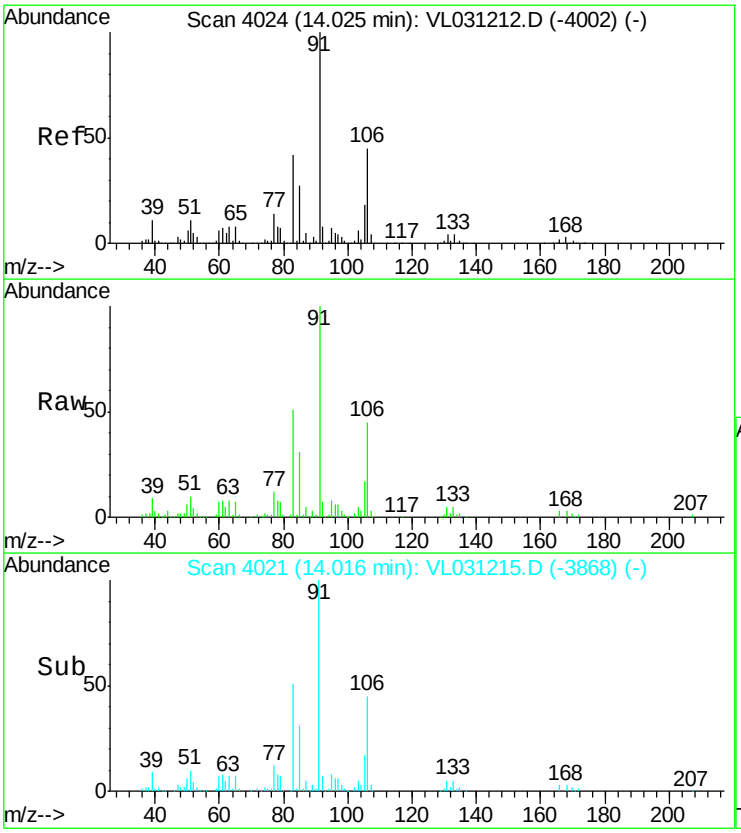
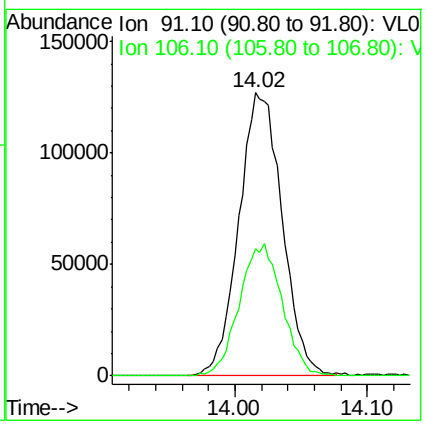


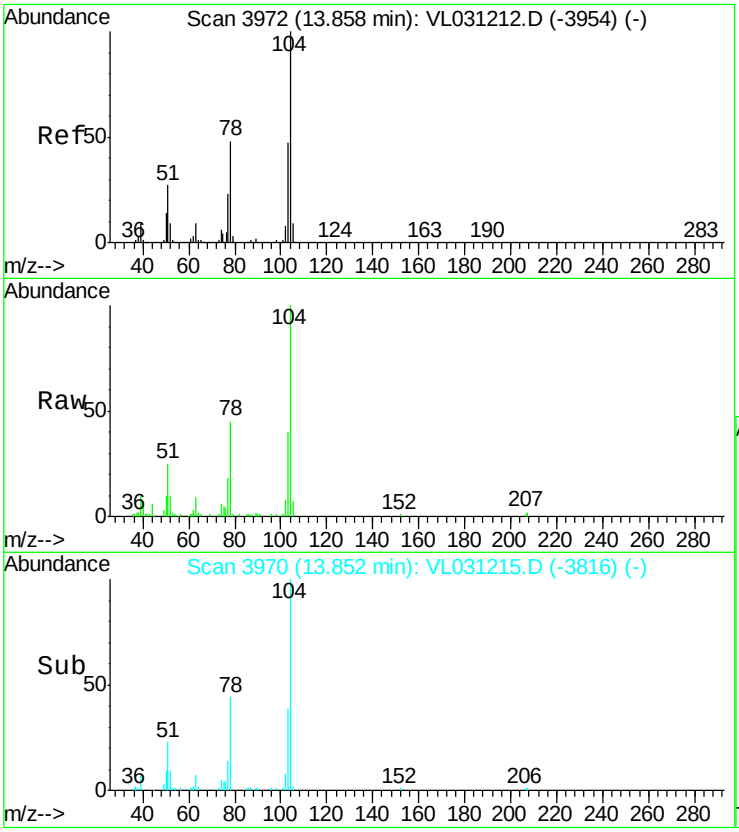


#60
o-Xylene
Concen: 0.57 ppbv m
RT: 14.02 min Scan# 4021
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 289586

Ion	Ratio	Lower	Upper
91	100		
106	46.2	22.7	68.1

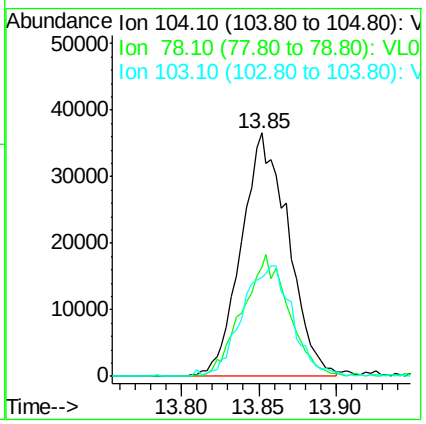




#61
Stvrene
Concen: 0.61 ppbv
RT: 13.85 min Scan# 3970
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:104 Resp: 77385

Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.1	58.7
103	48.8	37.3	55.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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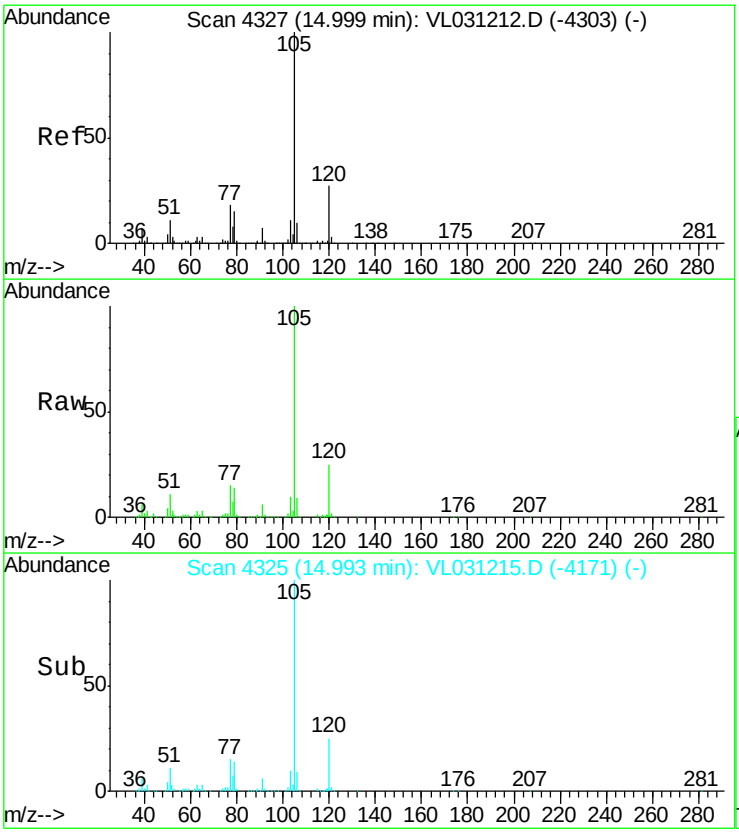
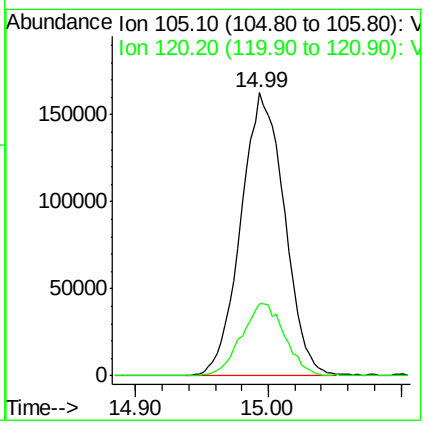
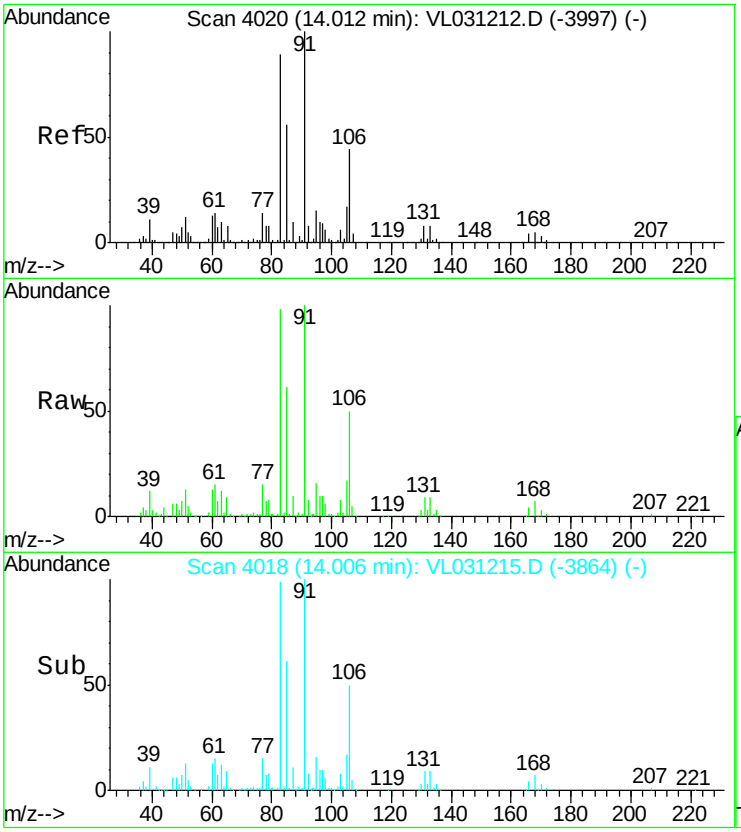


#62
Isopropylbenzene
Concen: 0.61 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:105 Resp: 372126

Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.0	31.6

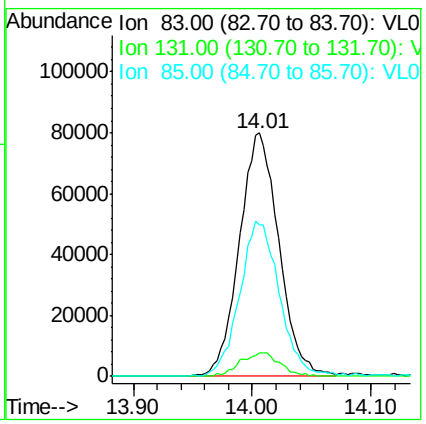




#63
1,1,2,2-Tetrachloroethane
Concen: 0.47 ppbv
RT: 14.01 min Scan# 4018
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 83 Resp: 183858

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.3
85	64.2	32.1	96.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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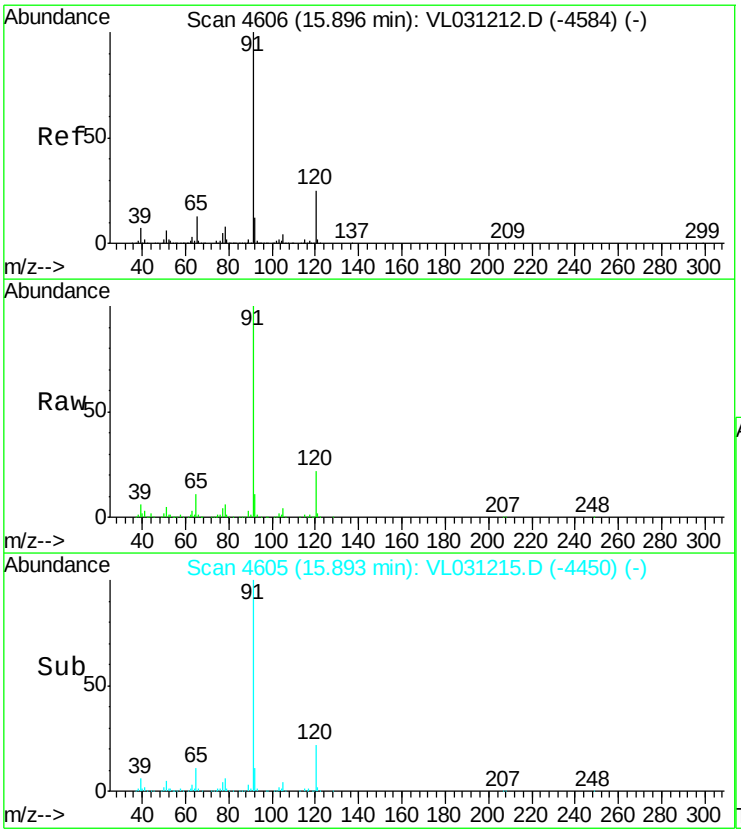
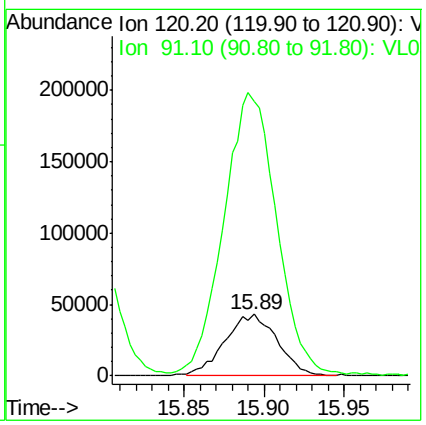
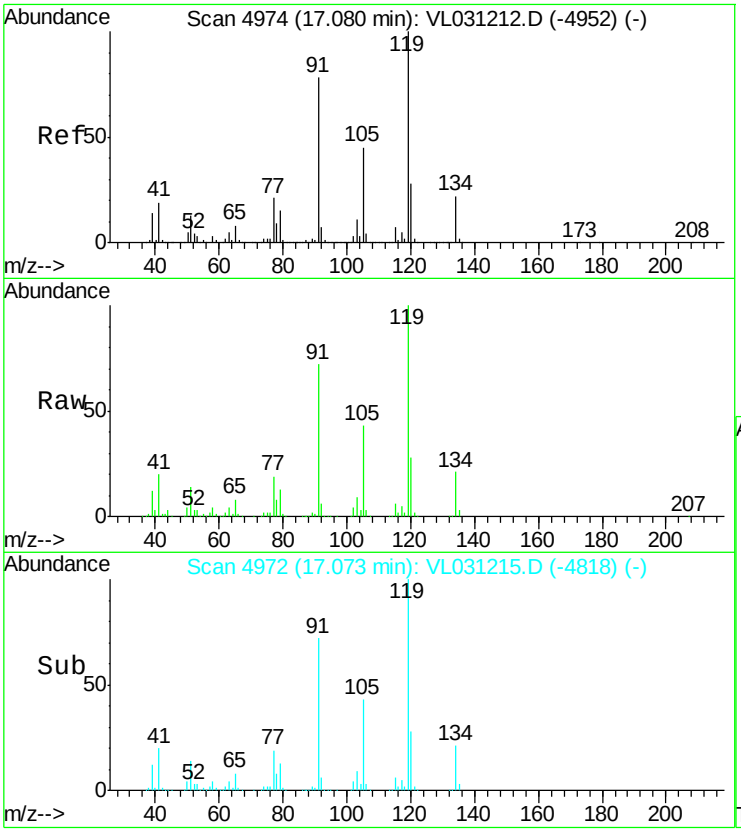


#64
n-propylbenzene
Concen: 0.58 ppbv
RT: 15.89 min Scan# 4605
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:120 Resp: 95594

Ion	Ratio	Lower	Upper
120	100		
91	466.3	352.1	528.1

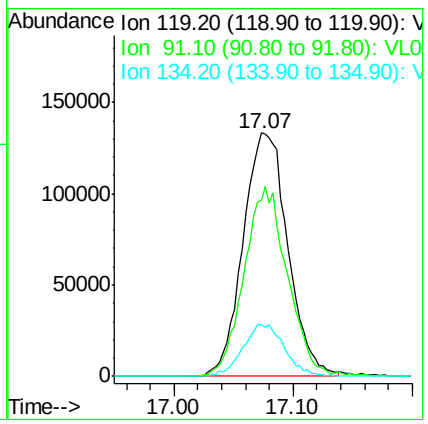




#65
tert-Butylbenzene
Concen: 0.65 ppbv
RT: 17.07 min Scan# 4972
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:119 Resp: 346361

Ion	Ratio	Lower	Upper
119	100		
91	76.0	63.3	94.9
134	20.0	16.1	24.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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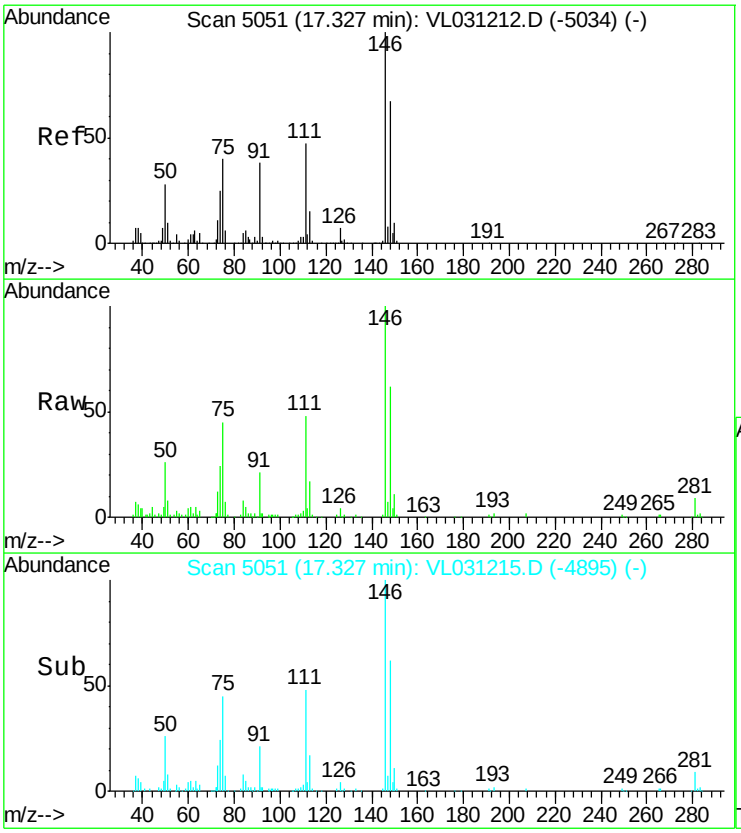
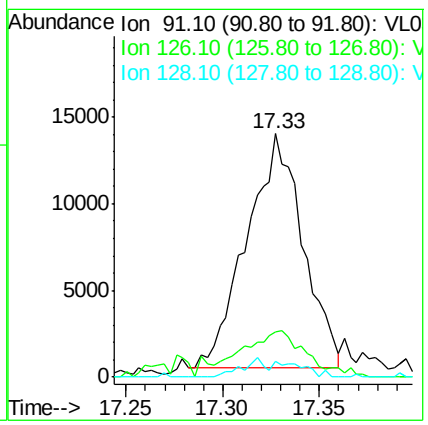
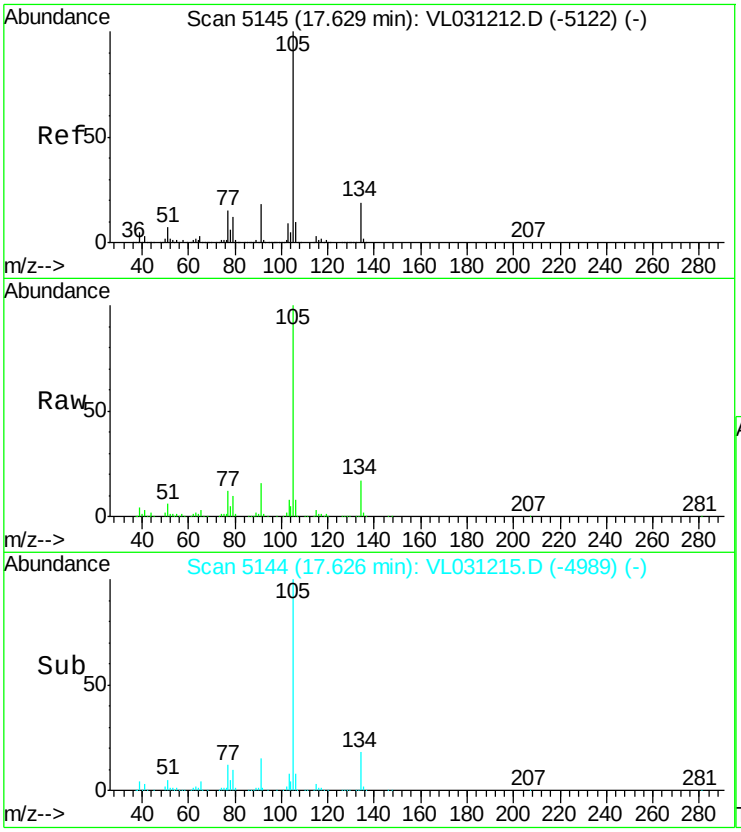


#66
Benzyl Chloride
Concen: 0.59 ppbv
RT: 17.33 min Scan# 5051
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 27055

Ion	Ratio	Lower	Upper
91	100		
126	24.4	15.2	22.8#
128	7.1	4.9	7.3





#67
sec-Butylbenzene
Concen: 0.58 ppbv
RT: 17.63 min Scan# 5144
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:105 Resp: 465018

Ion	Ratio	Lower	Upper
105	100		
134	18.5	15.3	22.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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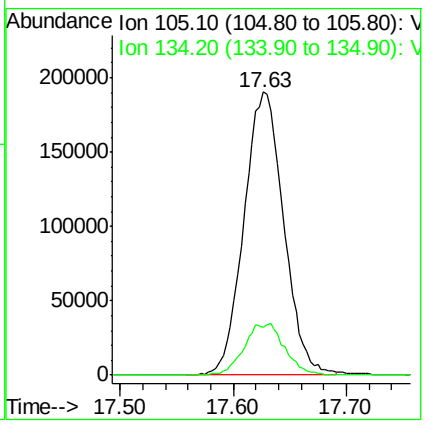
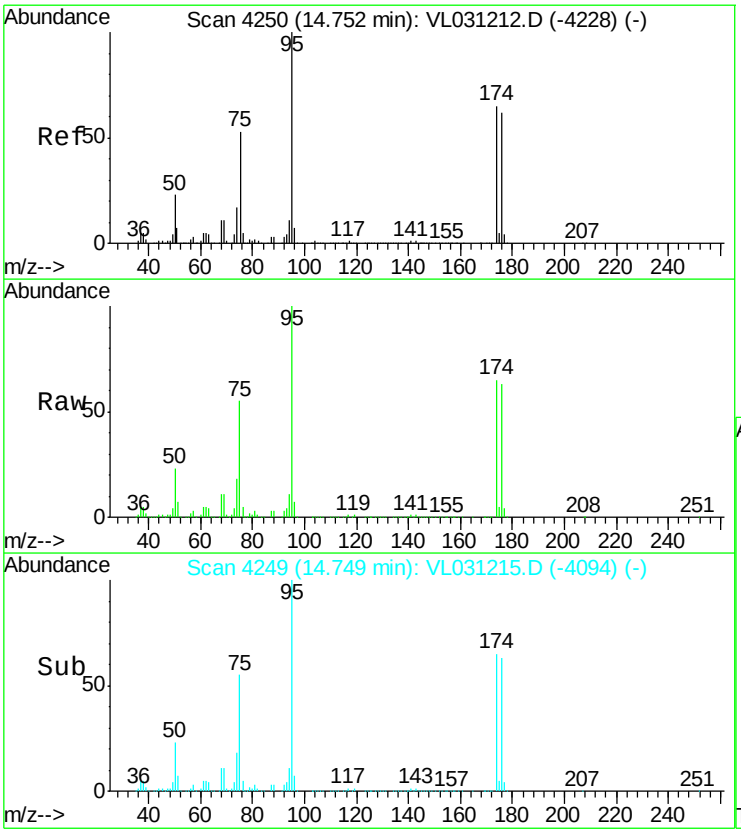
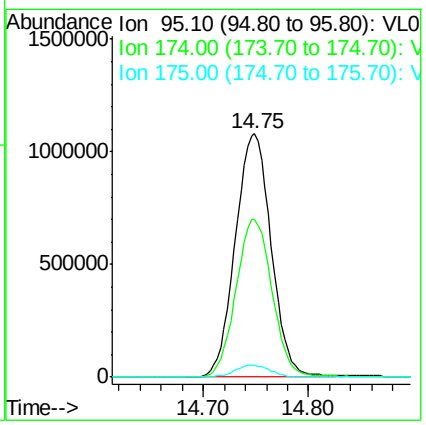


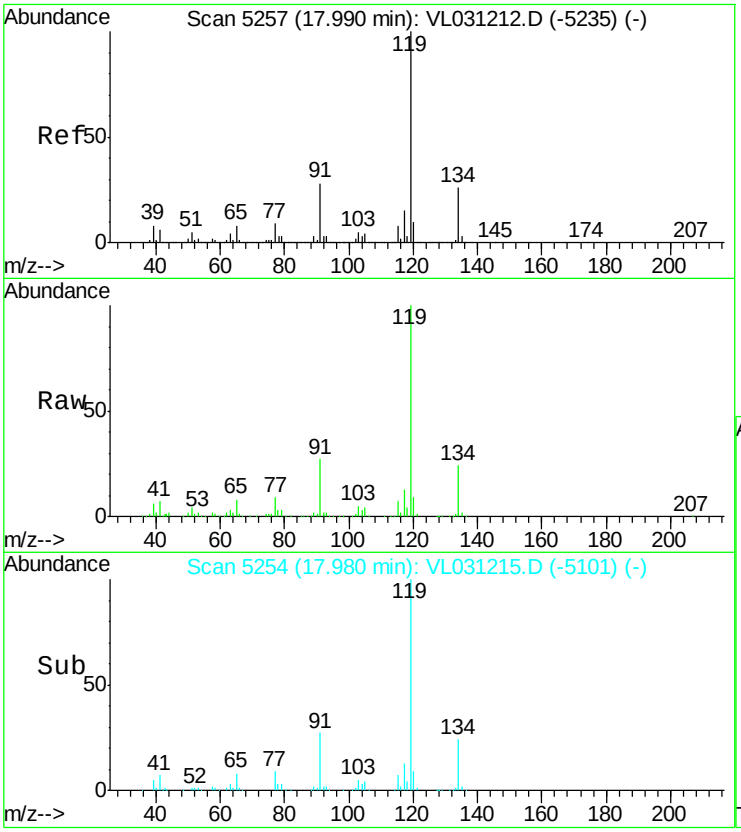


#68
1-Bromo-4-Fluorobenzene
Concen: 9.37 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 95 Resp: 2555081

Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.5	78.7
175	5.1	4.1	6.1

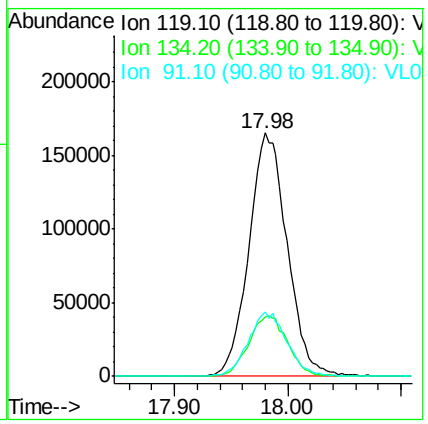




#69
p-Isopropyltoluene
Concen: 0.62 ppbv
RT: 17.98 min Scan# 5254
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:119 Resp: 386858

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.7	31.1
91	27.0	22.3	33.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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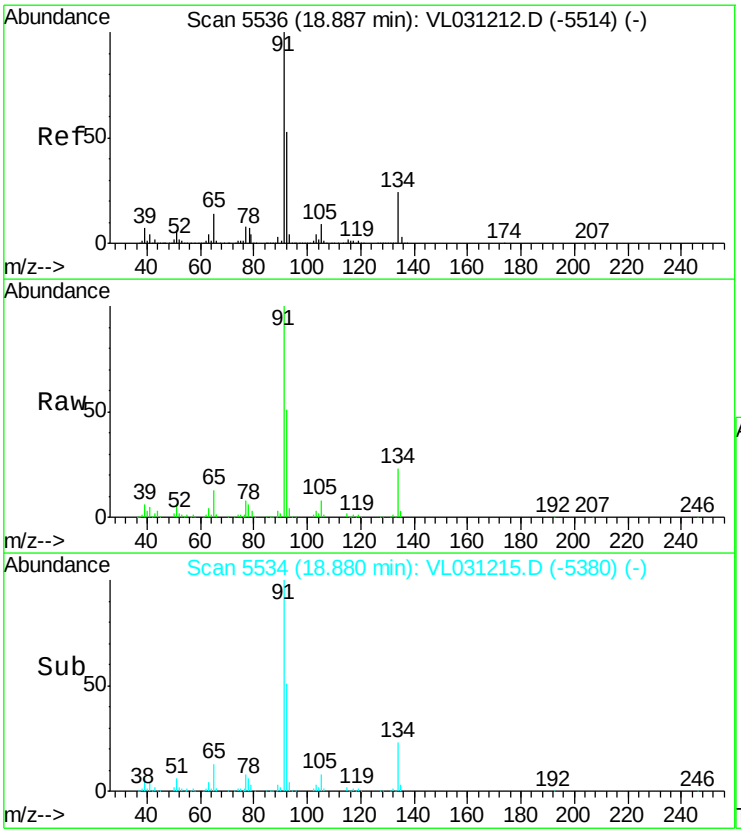
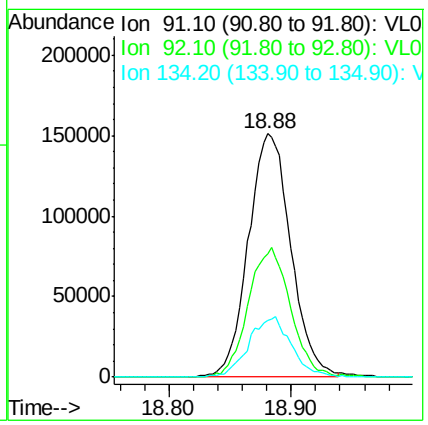
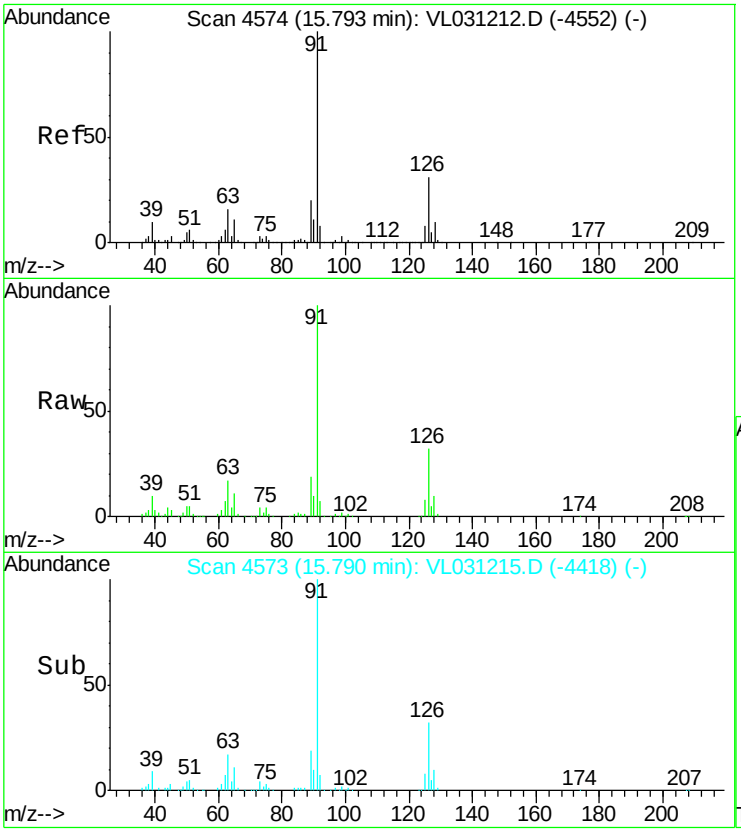


#70
n-Butylbenzene
Concen: 0.53 ppbv
RT: 18.88 min Scan# 5534
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 362247

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.4	65.2
134	25.0	19.3	28.9





#71
2-Chlorotoluene
Concen: 0.56 ppbv
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion: 91 Resp: 273234

Ion	Ratio	Lower	Upper
91	100		
126	32.2	12.6	50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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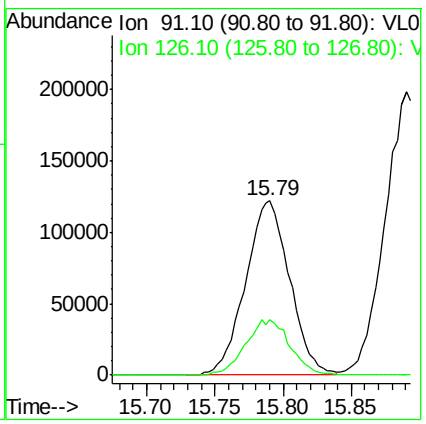
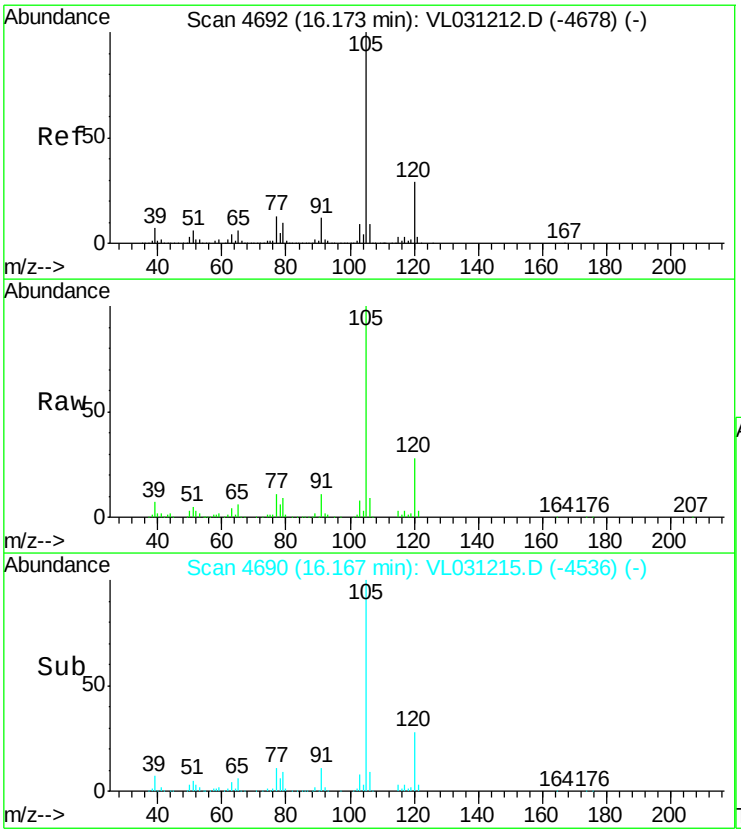
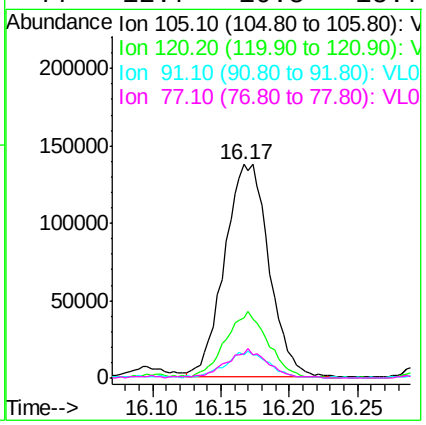


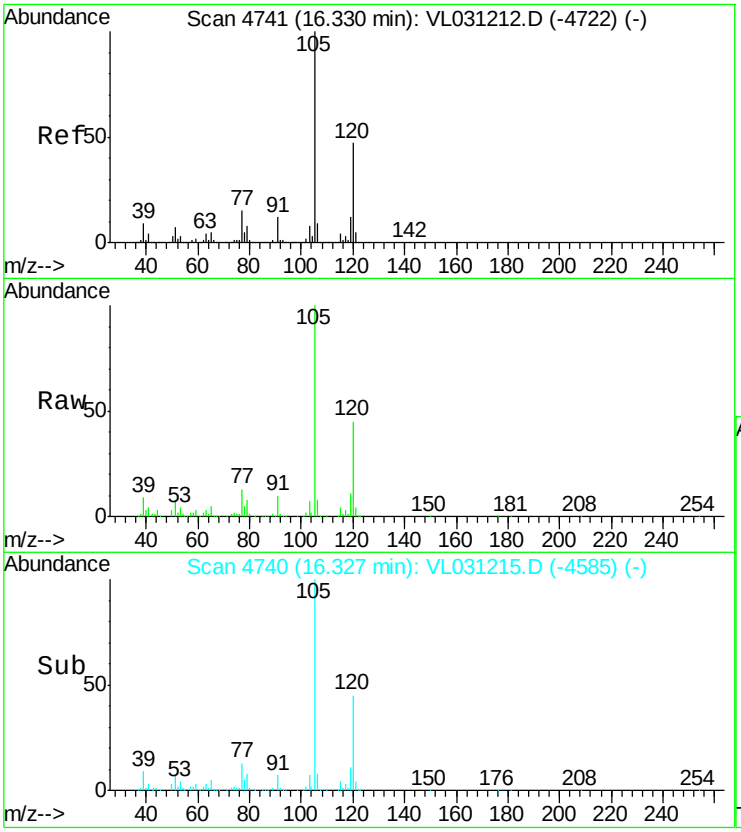


#72
4-Ethyltoluene
Concen: 0.61 ppbv
RT: 16.17 min Scan# 4690
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:105 Resp: 310628

Ion	Ratio	Lower	Upper
105	100		
120	30.5	24.2	36.2
91	12.2	9.8	14.8
77	12.7	10.5	15.7

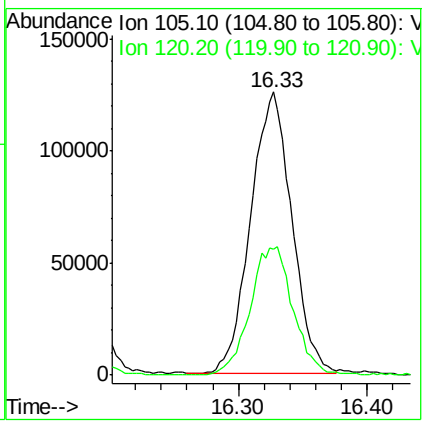




#73
1,3,5-Trimethylbenzene
Concen: 0.59 ppbv
RT: 16.33 min Scan# 4740
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:105 Resp: 280523

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.8	56.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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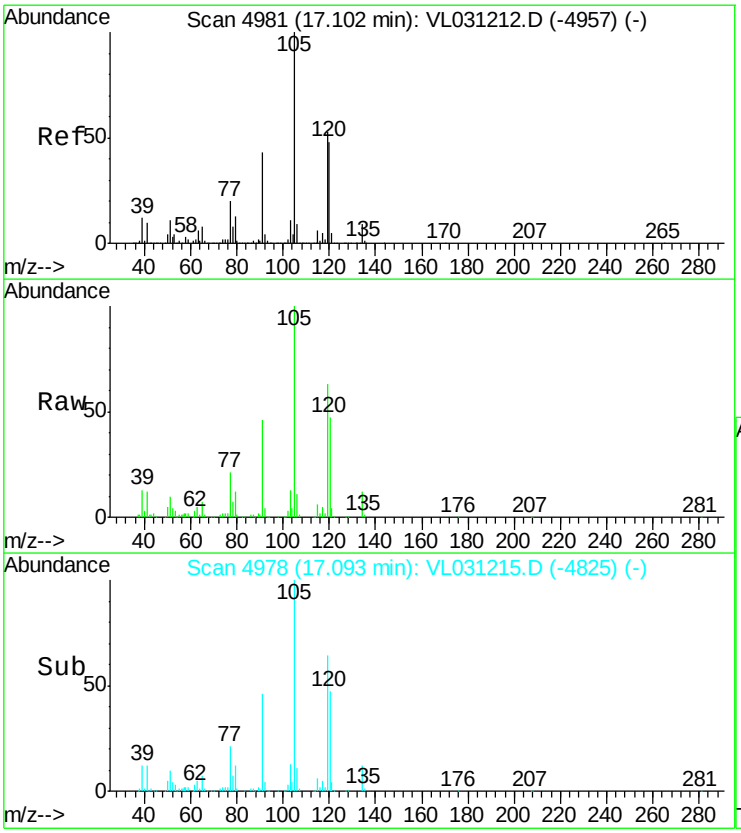
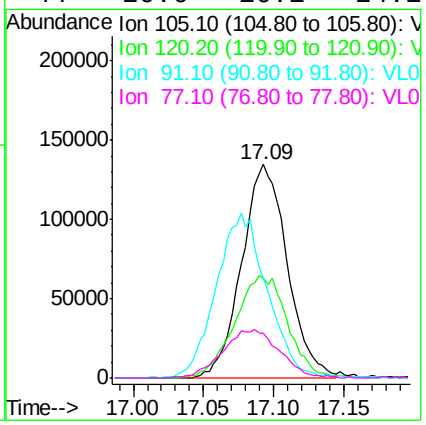
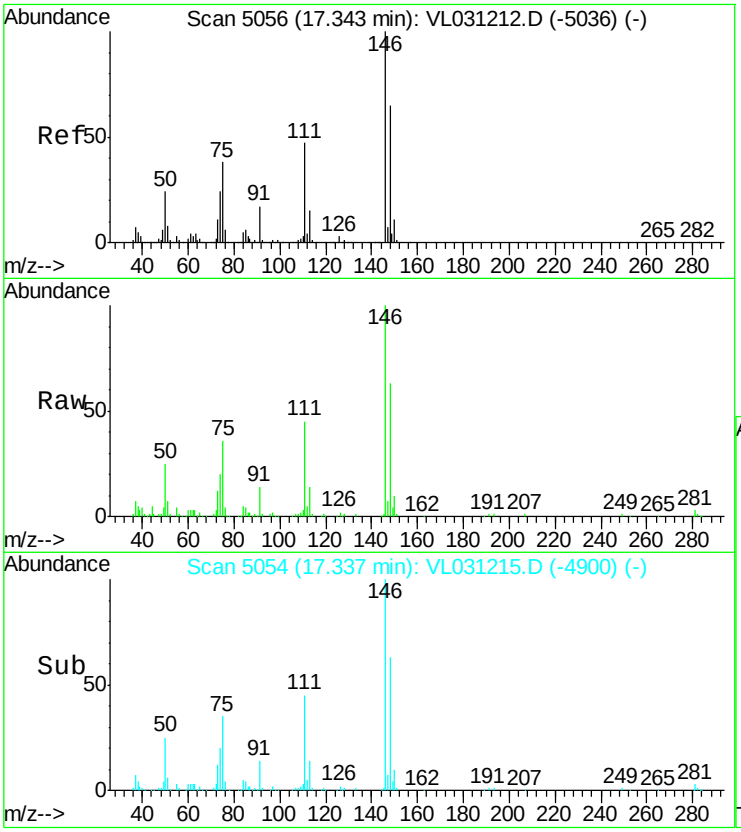


#74
1,2,4-Trimethylbenzene
Concen: 0.58 ppbv
RT: 17.09 min Scan# 4978
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:105 Resp: 304415

Ion	Ratio	Lower	Upper
105	100		
120	45.9	38.6	58.0
91	45.8	34.2	51.4
77	20.6	16.1	24.1

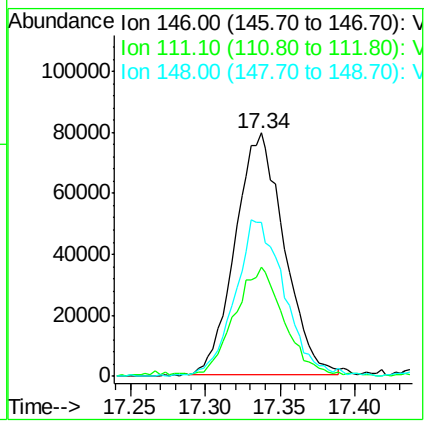




#75
1,3-Dichlorobenzene
Concen: 0.55 ppbv
RT: 17.34 min Scan# 5054
Delta R.T. -0.01 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:146 Resp: 181245

Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.7	68.1
148	66.0	32.0	96.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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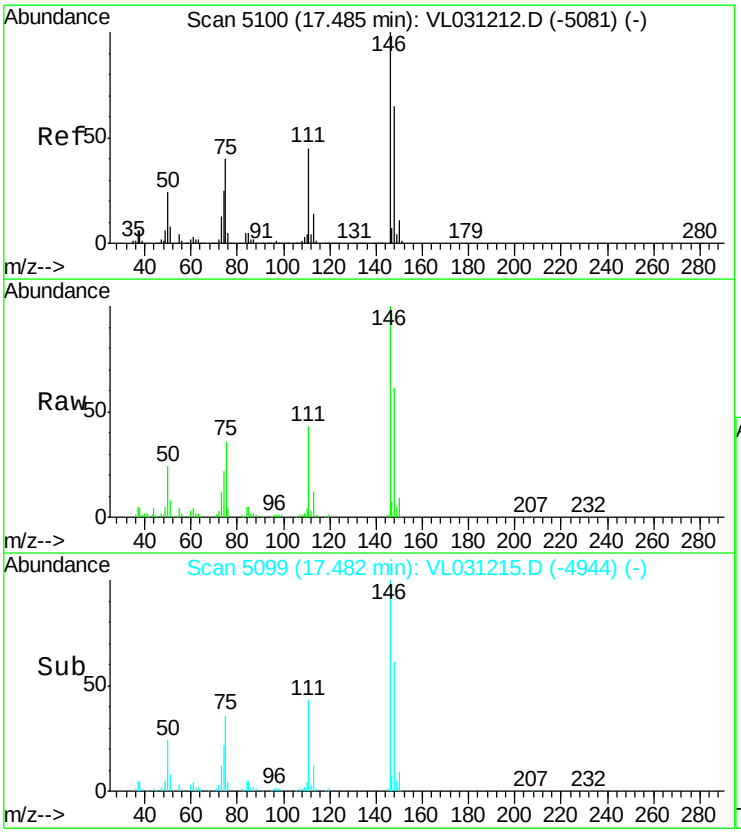
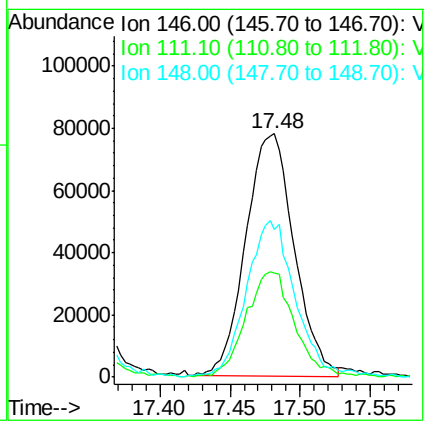
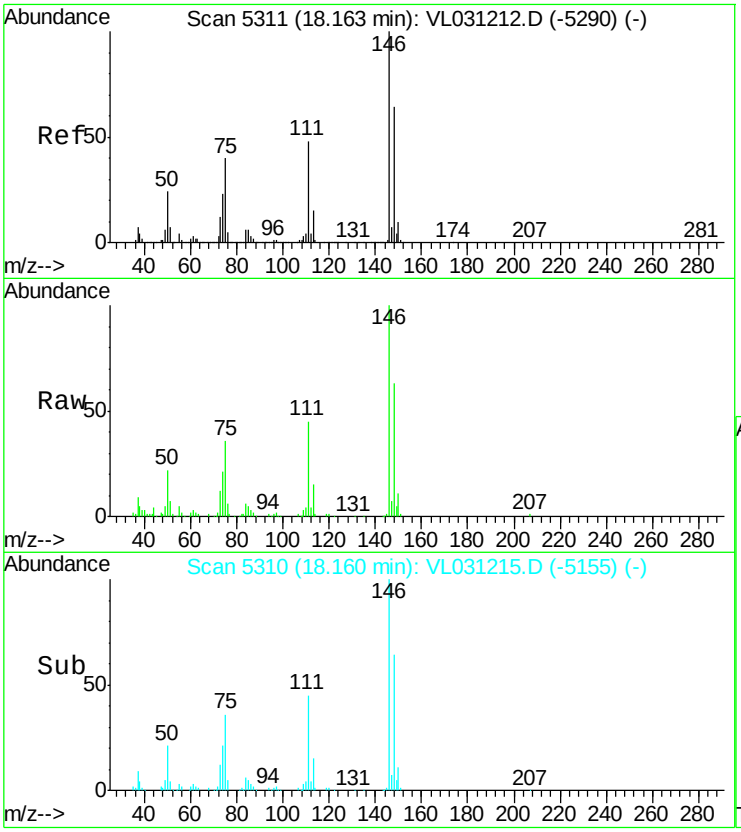


#76
1,4-Dichlorobenzene
Concen: 0.56 ppbv
RT: 17.48 min Scan# 5099
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:146 Resp: 186725

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.1	66.1
148	65.5	32.0	96.0

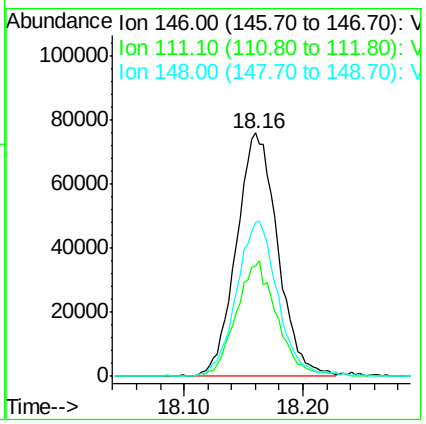




#77
1,2-Dichlorobenzene
Concen: 0.56 ppbv
RT: 18.16 min Scan# 5310
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:146 Resp: 181236

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.3	69.8
148	64.4	31.9	95.7



Instrument :
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ClientSampleId :
VSTDICC0.5

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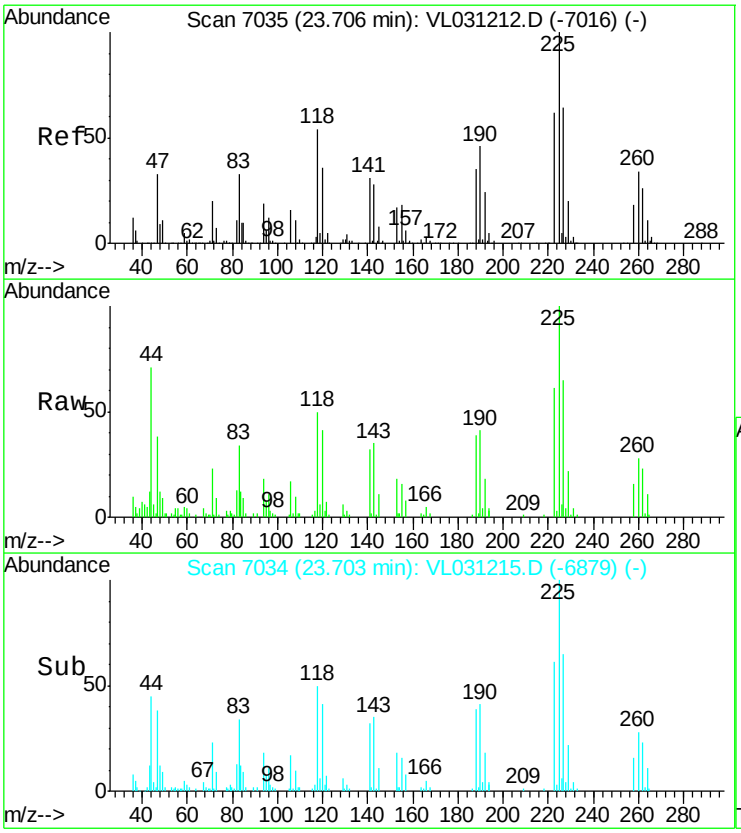
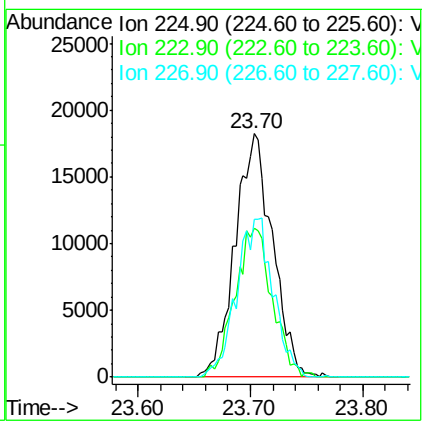
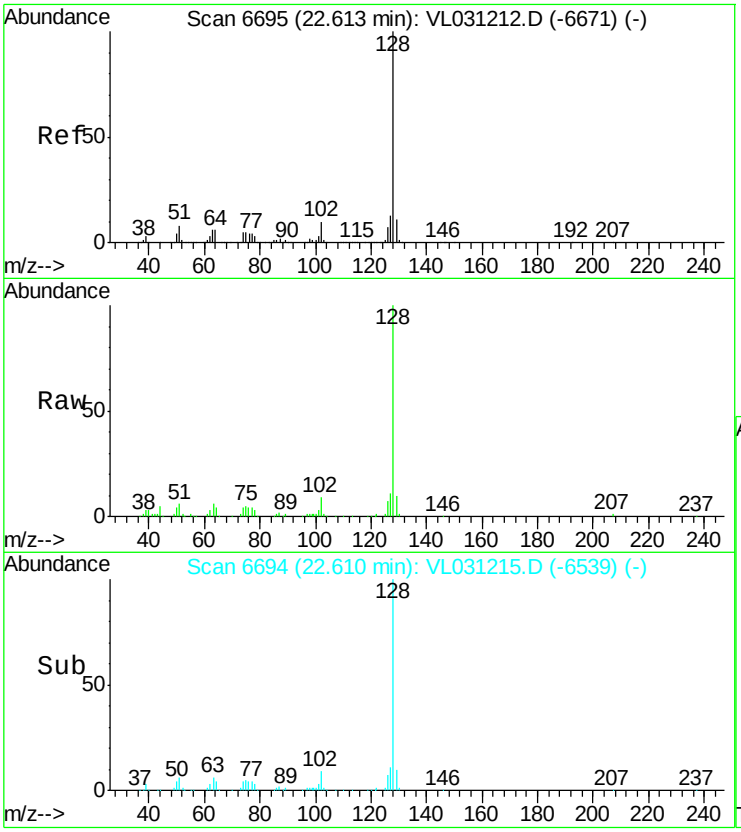


#78
Hexachloro-1,3-Butadiene
Concen: 0.68 ppbv m
RT: 23.70 min Scan# 7034
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:225 Resp: 42219

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.4	75.6
227	63.9	51.3	76.9

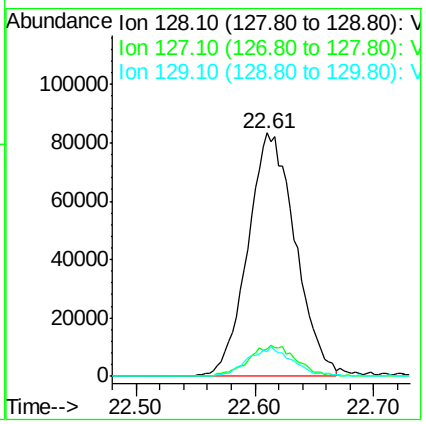




#79
Naphthalene
Concen: 0.65 ppbv
RT: 22.61 min Scan# 6694
Delta R.T. -0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:128 Resp: 229671

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.2	15.2
129	10.3	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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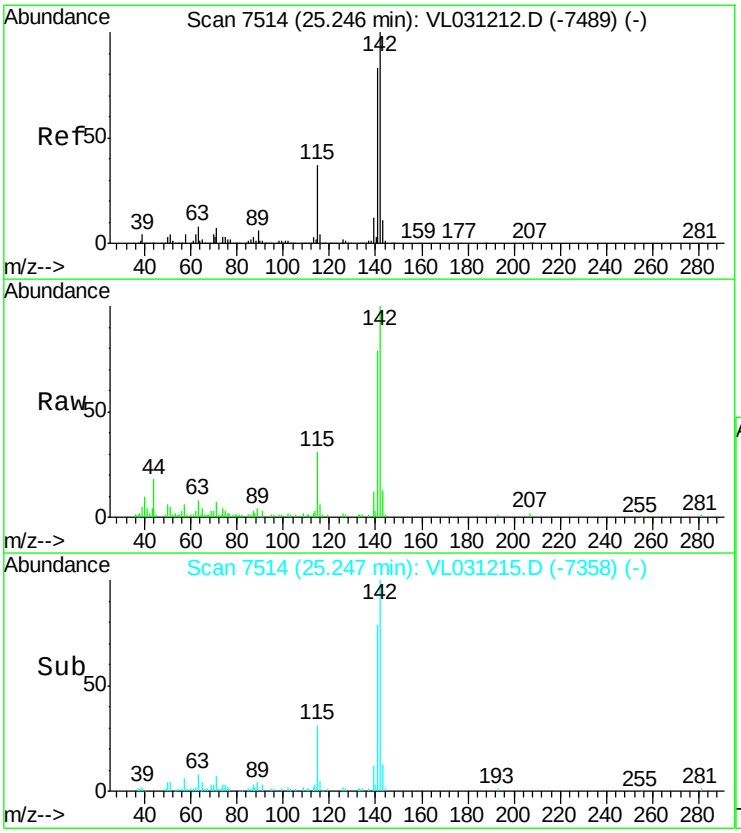
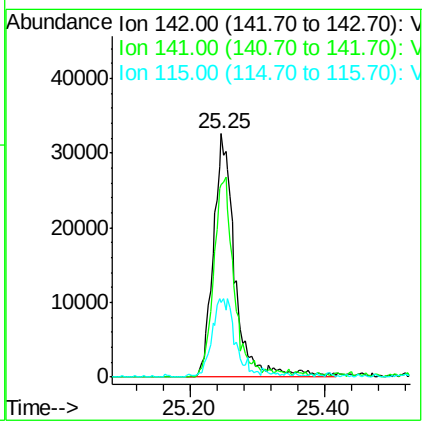
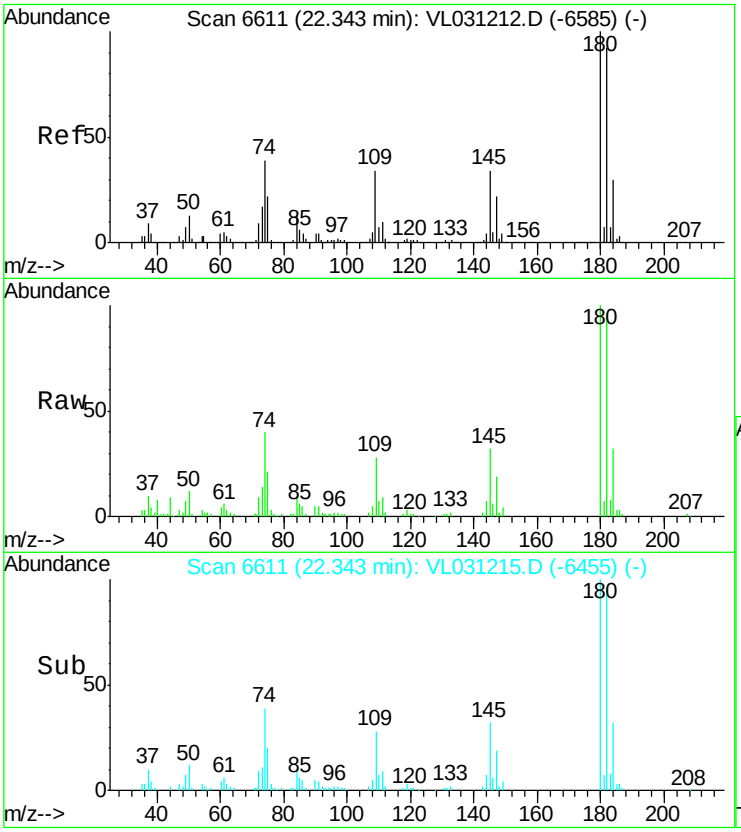


#80
Naphthalene,2-methyl-
Concen: 0.70 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:142 Resp: 72647

Ion	Ratio	Lower	Upper
142	100		
141	80.3	66.8	100.2
115	36.5	29.7	44.5

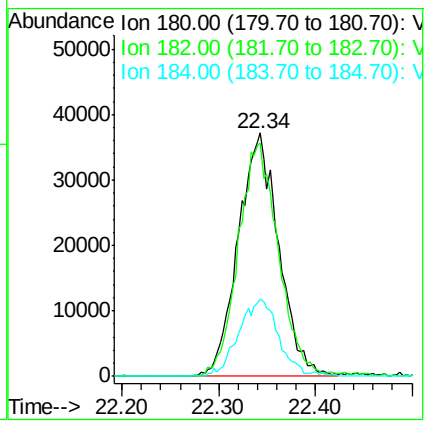




#81
1,2,4-Trichlorobenzene
Concen: 0.62 ppbv m
RT: 22.34 min Scan# 6611
Delta R.T. 0.00 min
Lab File: VL031215.D
Acq: 14 Dec 2017 00:21

Tgt Ion:180 Resp: 108438

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	31.5	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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