Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\
Data File : VL032743.D
Acq On : 14 Nov 2018 3:08
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
11/16/2018 1:29:42 PM

Quant Time: Nov 14 05:53:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1684331	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4210053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4352065	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2905778	8.86	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 88.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	502442	2.615	ppbv	97
3) Chlorodifluoromethane	3.02	51	280438	2.105	ppbv	96
4) Chloromethane	3.18	50	152061	2.054	ppbv	93
5) Vinyl Chloride	3.30	62	152832	1.908	ppbv	100
6) Bromomethane	3.52	94	100747	2.001	ppbv	100
7) Chloroethane	3.61	64	56587	1.912	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	395473	2.155	ppbv	98
9) Propene	3.04	41	111253	2.053	ppbv	98
10) Heptane	8.25	43	430549	2.047	ppbv	100
11) Trichlorofluoromethane	4.01	101	436265	1.913	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	378763	2.056	ppbv	100
13) Ethanol	3.66	45	38525	2.516	ppbv	98
14) Bromoethene	3.80	108	127795	2.016	ppbv	98
15) Acetone	3.91	43	280522	1.792	ppbv	97
16) 1,3-Butadiene	3.37	39	126773	2.136	ppbv	92
17) tert-Butyl alcohol	4.38	59	96079m	2.172	ppbv	
18) 1,1-Dichloroethene	4.36	96	183586	2.209	ppbv	94
19) Isopropyl Alcohol	4.04	45	190438	1.745	ppbv #	98
20) Methylene Chloride	4.42	84	170107	2.135	ppbv	95
21) Allyl Chloride	4.48	41	275976	2.203	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	190650	2.230	ppbv	95
23) Vinyl Acetate	5.16	43	544234	1.926	ppbv	98
24) 1,1-Dichloroethane	5.10	63	440707	1.983	ppbv	98
25) Ethyl Acetate	5.78	43	754476	2.105	ppbv	99
26) Hexane	5.79	57	343110	2.034	ppbv	97
27) Carbon Disulfide	4.63	76	399220	1.973	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	513650	2.052	ppbv	99
29) Chloroform	5.85	83	590170	2.162	ppbv	98
30) Cyclohexane	7.26	84	292583	2.162	ppbv	86
31) cis-1,2-Dichloroethene	5.65	61	334011	2.120	ppbv	96
32) 1,1,1-Trichloroethane	6.63	97	625726	2.236	ppbv	99
34) 2-Butanone	5.34	43	464668	2.056	ppbv	99
35) Carbon Tetrachloride	7.14	117	667046	2.211	ppbv	97
36) Benzene	7.01	78	705075	2.073	ppbv	99
37) 1,2-Dichloroethane	6.42	62	468225	2.215	ppbv	99
38) Trichloroethene	7.97	130	282165	2.215	ppbv	95
39) 1,2-Dichloropropane	7.74	63	262749	2.001	ppbv	97
40) 1,4-Dioxane	7.98	88	101703m	2.277	ppbv	
41) Tetrahydrofuran	6.17	42	274288	2.193	ppbv	99
42) Bromodichloromethane	7.92	83	656528	2.222	ppbv	97
43) Methyl Methacrylate	8.15	69	270716	2.166	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\
Data File : VL032743.D
Acq On : 14 Nov 2018 3:08
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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11/16/2018 1:29:42 PM

Quant Time: Nov 14 05:53:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	1254458	2.159	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	347065	2.074	ppbv		99
46) cis-1,3-Dichloropropene	8.85	75	424328	2.183	ppbv		91
47) 1,1,2-Trichloroethane	9.62	97	334910	2.159	ppbv		94
48) Dibromochloromethane	10.46	129	541245	2.071	ppbv		99
49) Bromoform	13.21	173	480382	2.341	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	754178	2.231	ppbv		98
51) 2-Hexanone	10.29	43	470744	1.935	ppbv	#	98
52) Tetrachloroethene	11.38	164	246038	2.064	ppbv		92
53) Toluene	9.96	91	773342	2.011	ppbv		100
54) 1,2-Dibromoethane	10.77	107	469836	2.252	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	428878	2.219	ppbv	#	1
57) Chlorobenzene	12.31	112	701578	2.167	ppbv		100
58) Ethyl Benzene	12.87	91	1168566	2.288	ppbv		100
59) m/p-Xylene	13.13	91	2057622m	4.526	ppbv		
60) o-Xylene	13.85	91	1014975	2.299	ppbv		99
61) Styrene	13.69	104	678601	2.297	ppbv		99
62) Isopropylbenzene	14.83	105	1303799	2.090	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	720640	2.099	ppbv		98
64) n-propylbenzene	15.73	120	341588	2.187	ppbv		96
65) tert-Butylbenzene	16.92	119	1206886	2.245	ppbv		97
66) Benzyl Chloride	17.16	91	635242	2.263	ppbv		99
67) sec-Butylbenzene	17.47	105	1730105	2.267	ppbv		100
69) p-Isopropyltoluene	17.82	119	1386331	2.287	ppbv		100
70) n-Butylbenzene	18.72	91	1418650	2.282	ppbv		98
71) 2-Chlorotoluene	15.63	91	993114	2.217	ppbv		100
72) 4-Ethyltoluene	16.01	105	1073806	2.259	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	1033486	2.231	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	1111320	2.249	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	637498	2.240	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	581123	2.208	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	590953	2.201	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	291677	2.144	ppbv		98
79) Naphthalene	22.42	128	760406	2.447	ppbv		97
80) Naphthalene,2-methyl-	25.13	142	173249	2.329	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	366206	2.304	ppbv		99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\
Data File : VL032743.D
Acq On : 14 Nov 2018 3:08
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 14 05:53:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov
QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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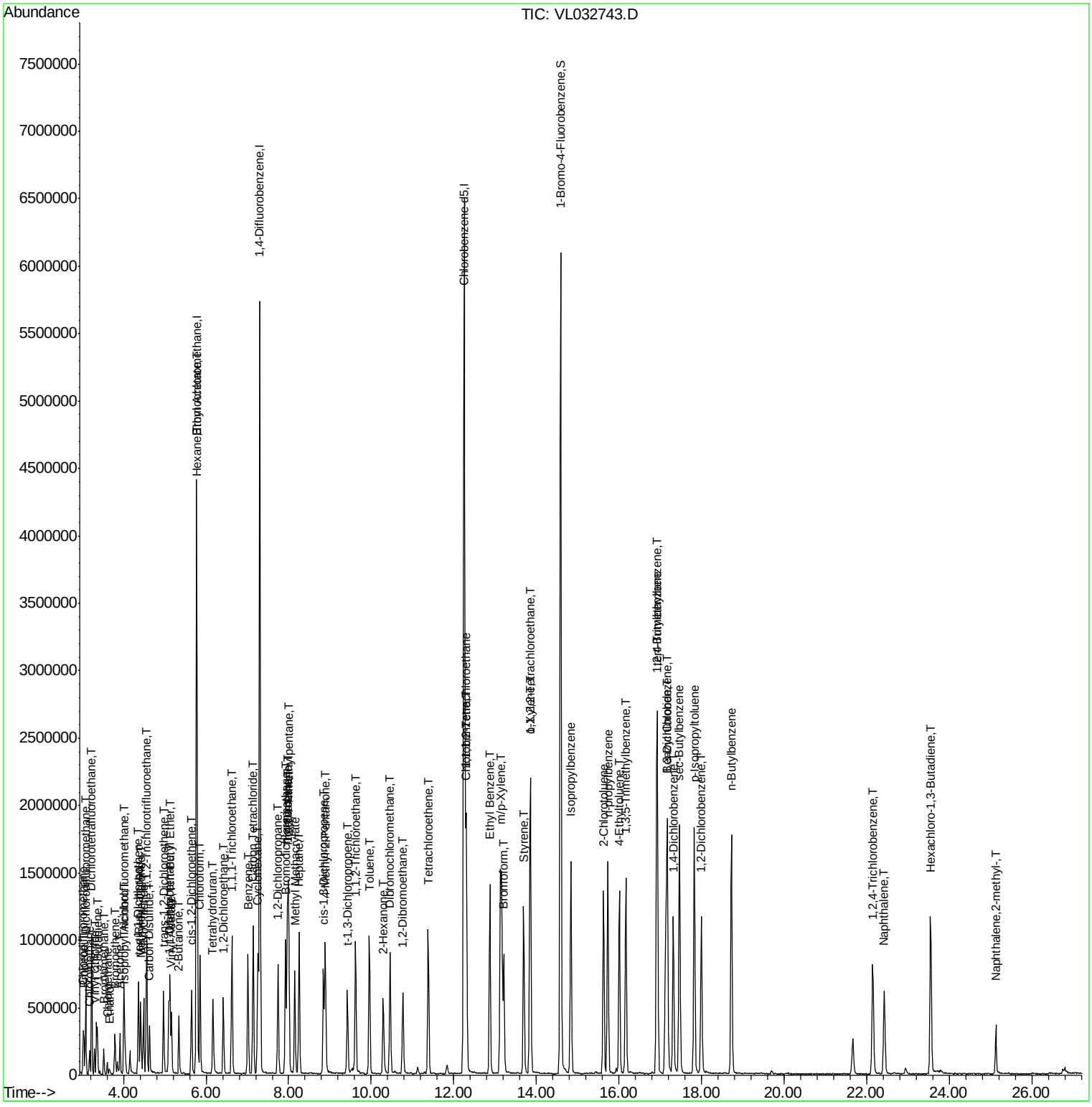
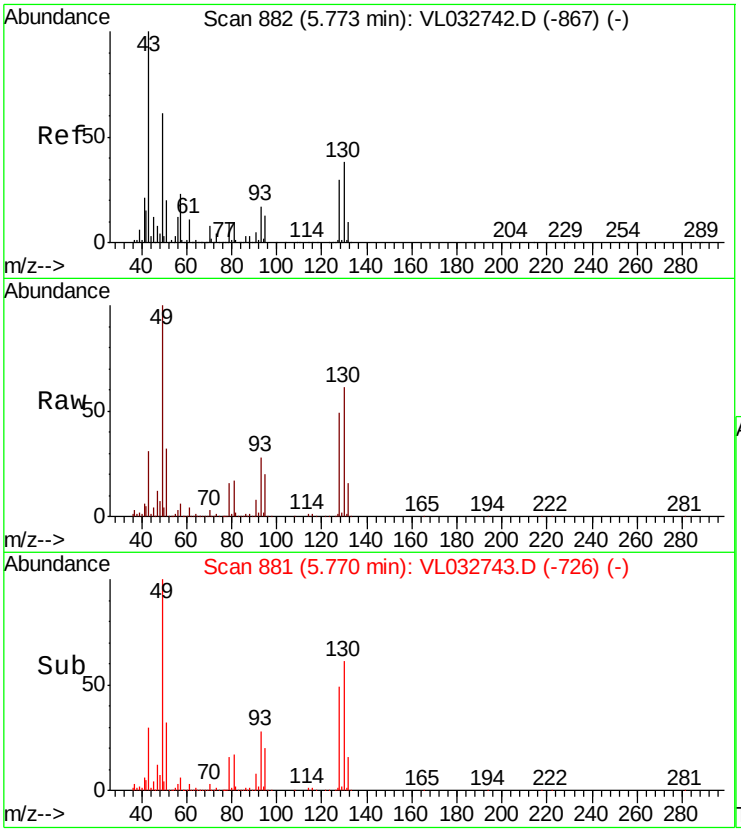
11/16/2018 1:29:42 PM

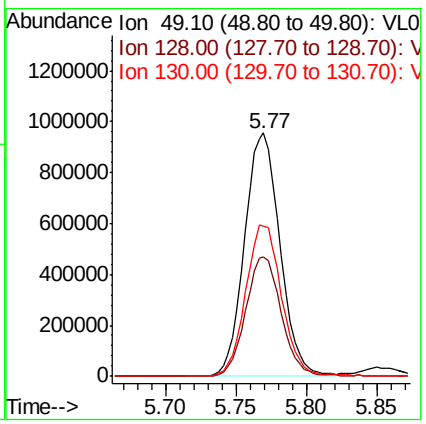




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 49 Resp: 1684331

Ion	Ratio	Lower	Upper
49	100		
128	49.6	24.9	74.6
130	63.4	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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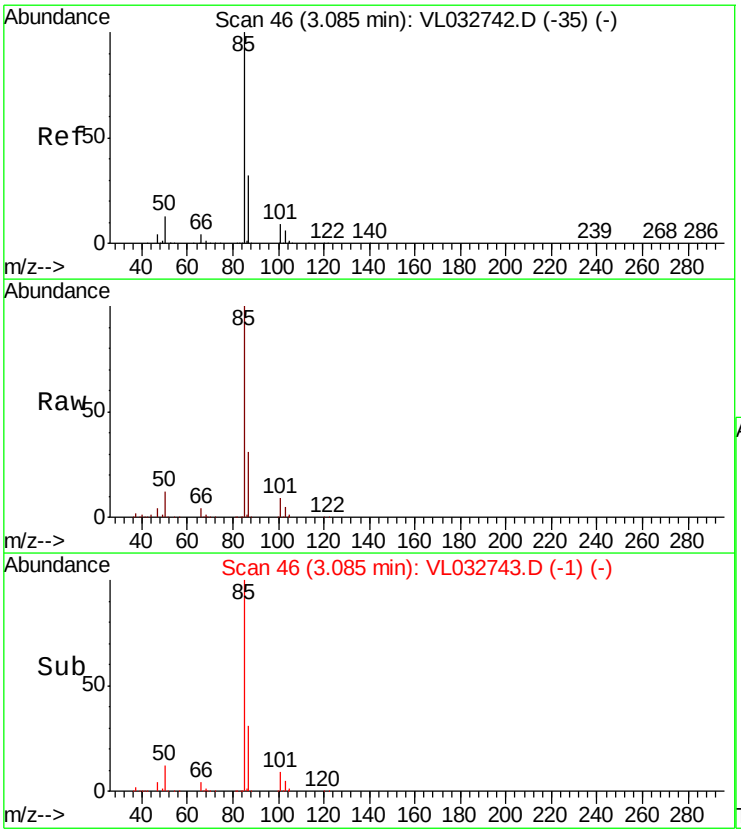
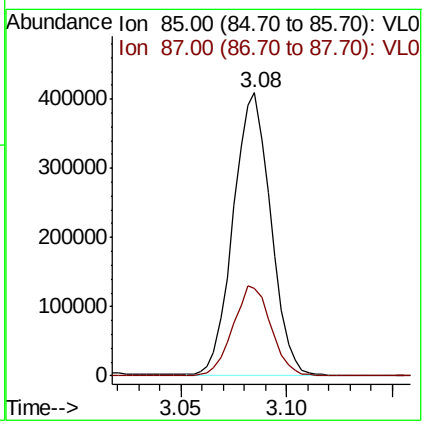
11/16/2018 1:29:42 PM

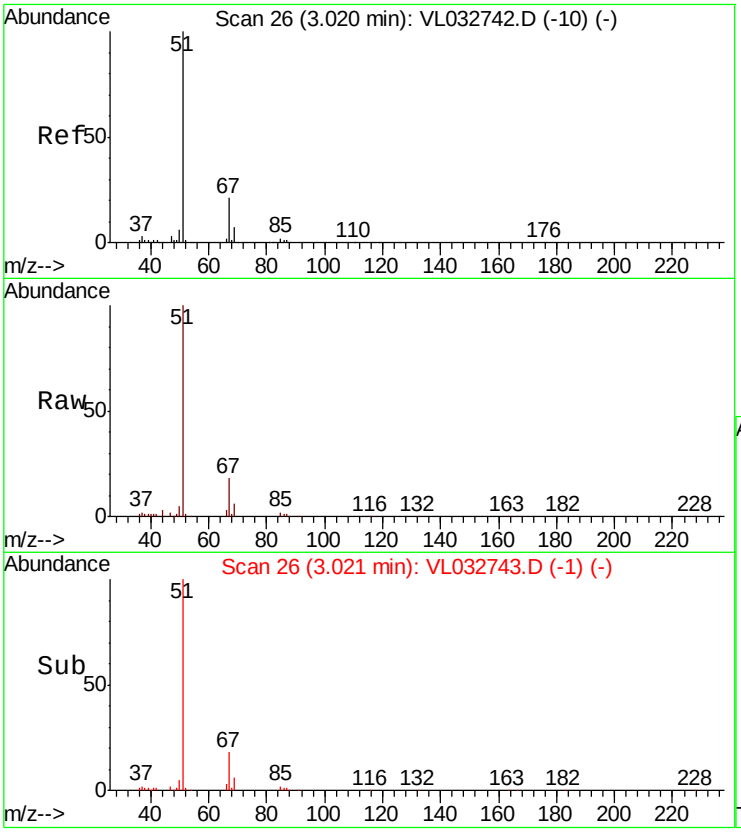


#2
Dichlorodifluoromethane
Concen: 2.615 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 85 Resp: 502442

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.0	39.0

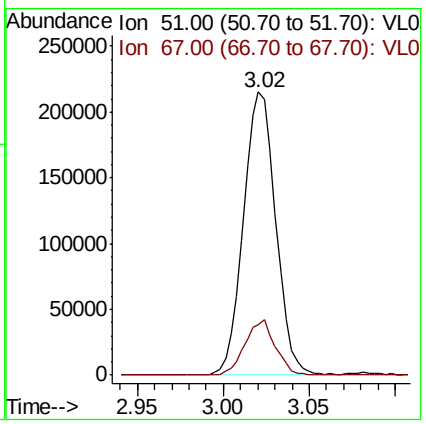




#3
Chlorodifluoromethane
Concen: 2.105 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 51 Resp: 280438

Ion	Ratio	Lower	Upper
51	100		
67	18.5	16.1	24.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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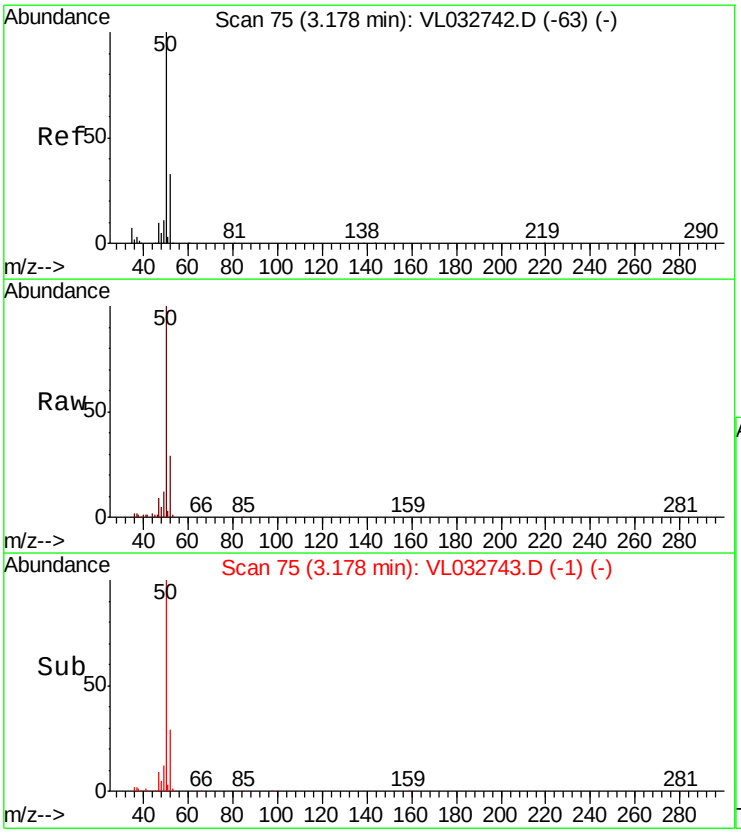
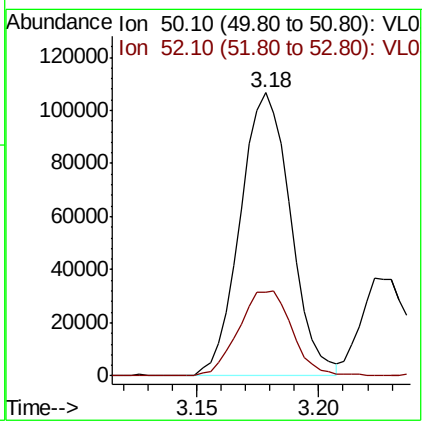
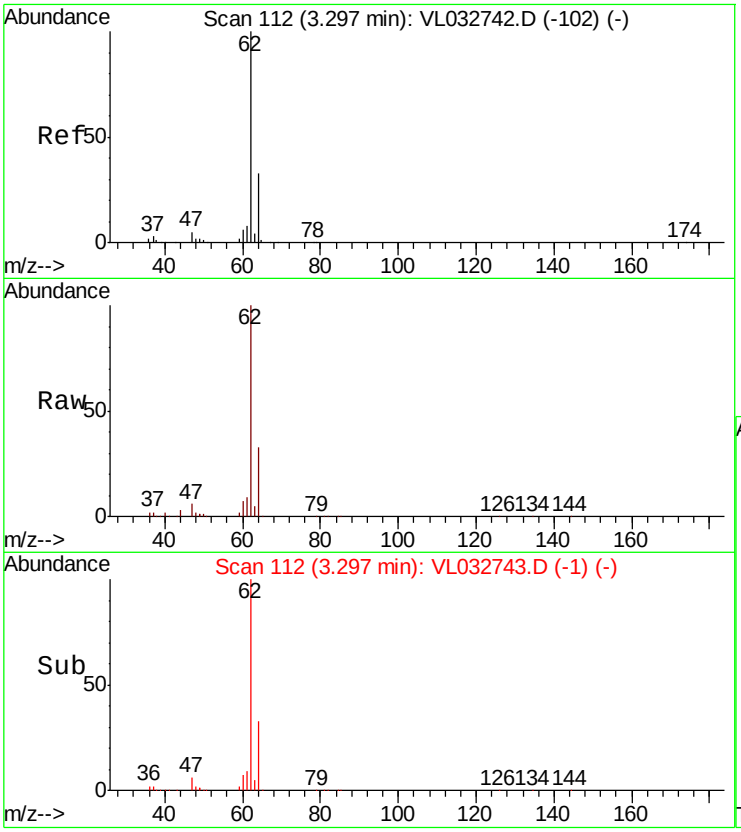


#4
Chloromethane
Concen: 2.054 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 50 Resp: 152061

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.6	40.0

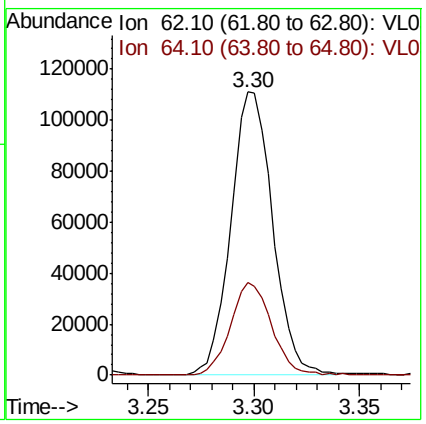




#5
Vinyl Chloride
Concen: 1.908 ppbv
RT: 3.30 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 62 Resp: 152832

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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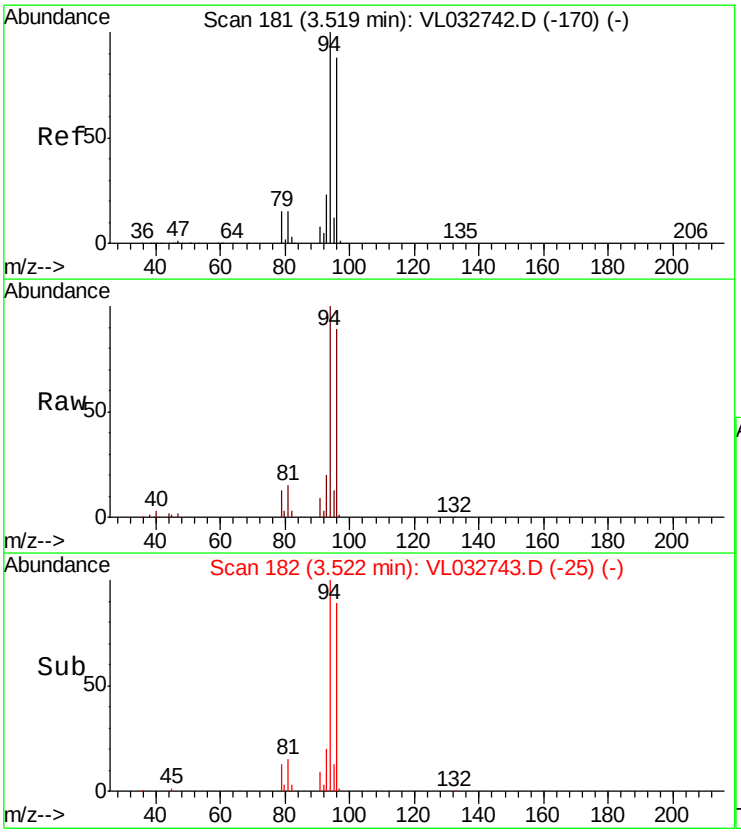
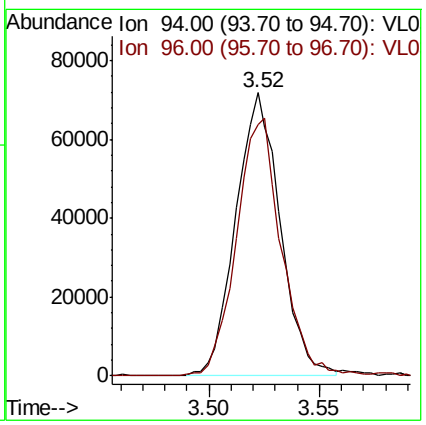
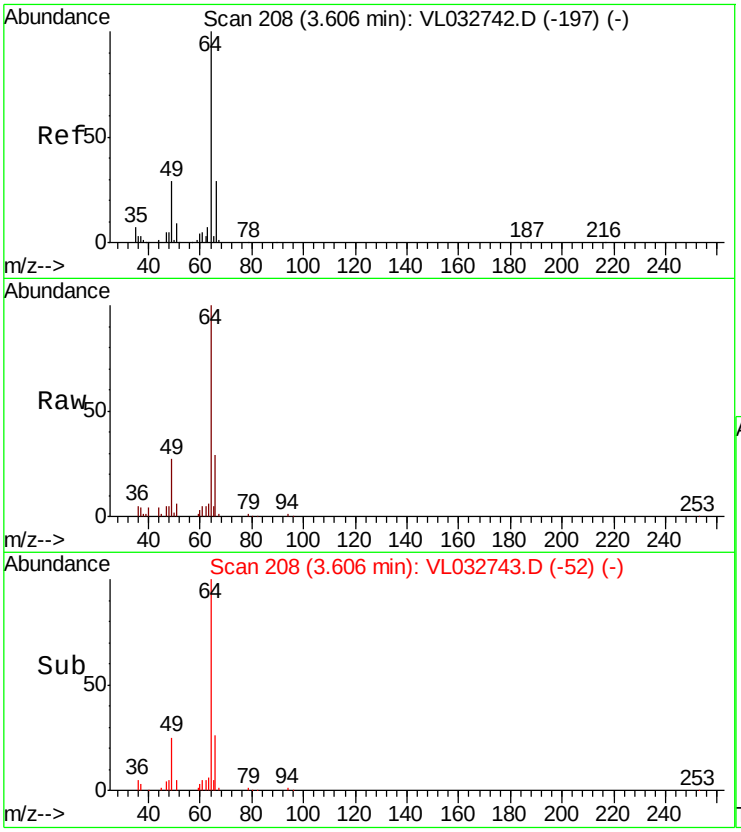


#6
Bromomethane
Concen: 2.001 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 94 Resp: 100747

Ion	Ratio	Lower	Upper
94	100		
96	88.1	70.2	105.2

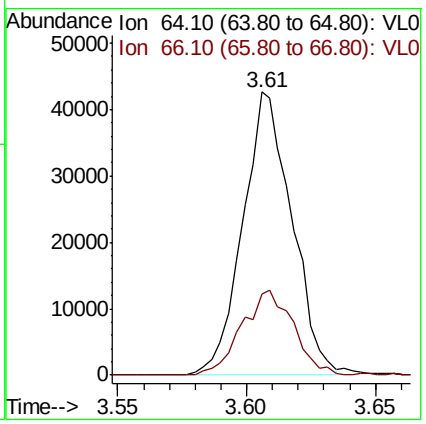




#7
Chloroethane
Concen: 1.912 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 64 Resp: 56587

Ion	Ratio	Lower	Upper
64	100		
66	28.8	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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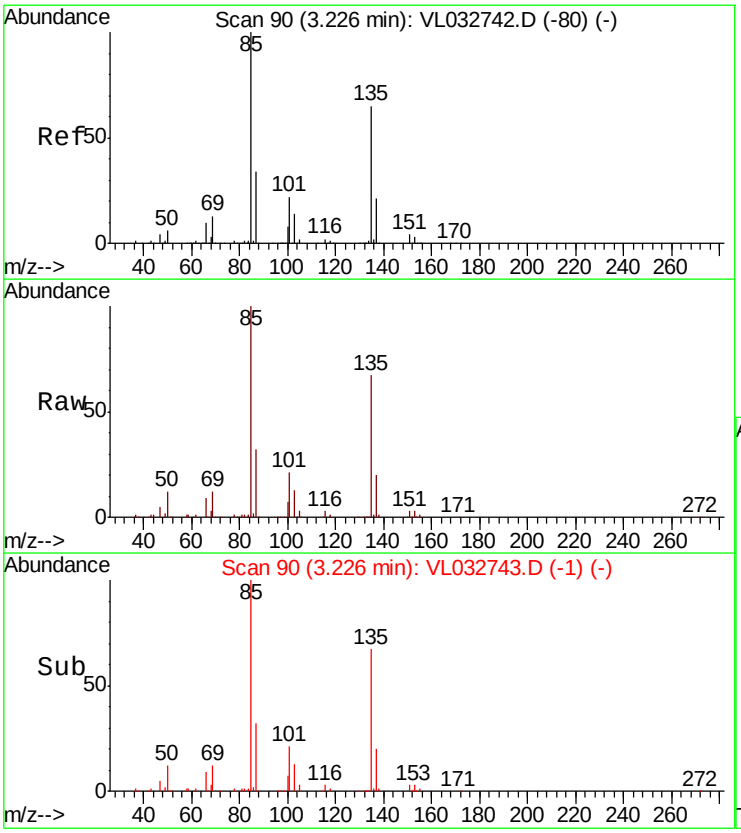
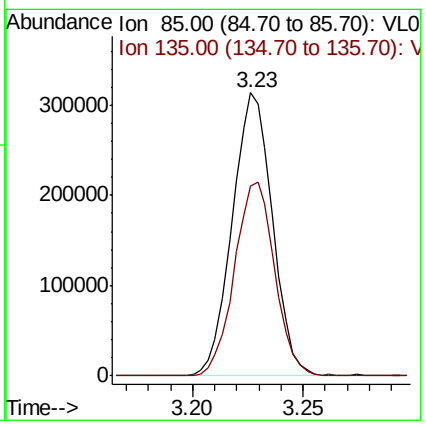
11/16/2018 1:29:42 PM

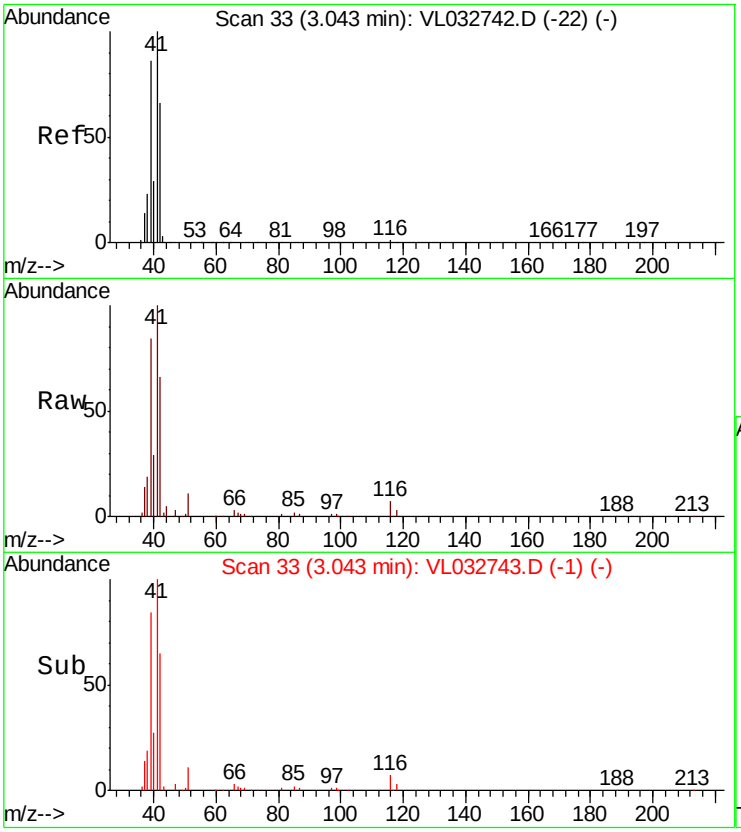


#8
Dichlorotetrafluoroethane
Concen: 2.155 ppbv
RT: 3.23 min Scan# 90
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 85 Resp: 395473

Ion	Ratio	Lower	Upper
85	100		
135	69.0	53.8	80.8





#9
Propene
Concen: 2.053 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 41 Resp: 111253

Ion	Ratio	Lower	Upper
41	100		
42	70.1	55.0	82.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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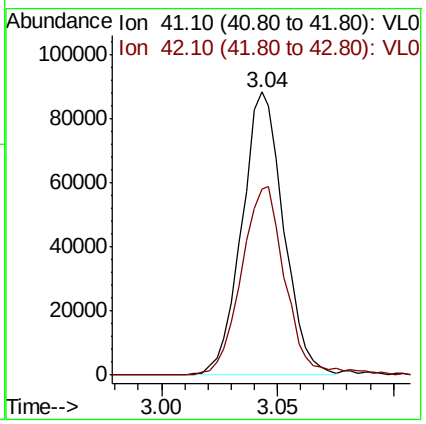
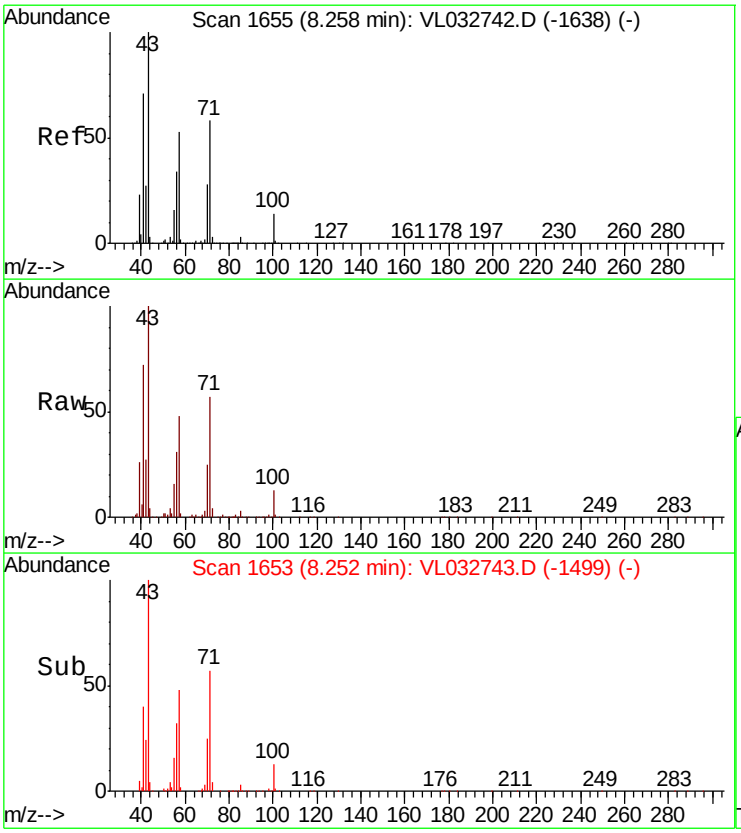
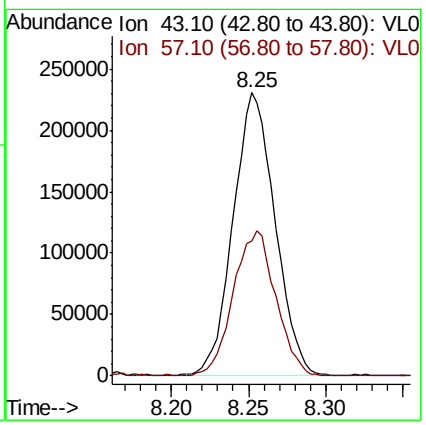


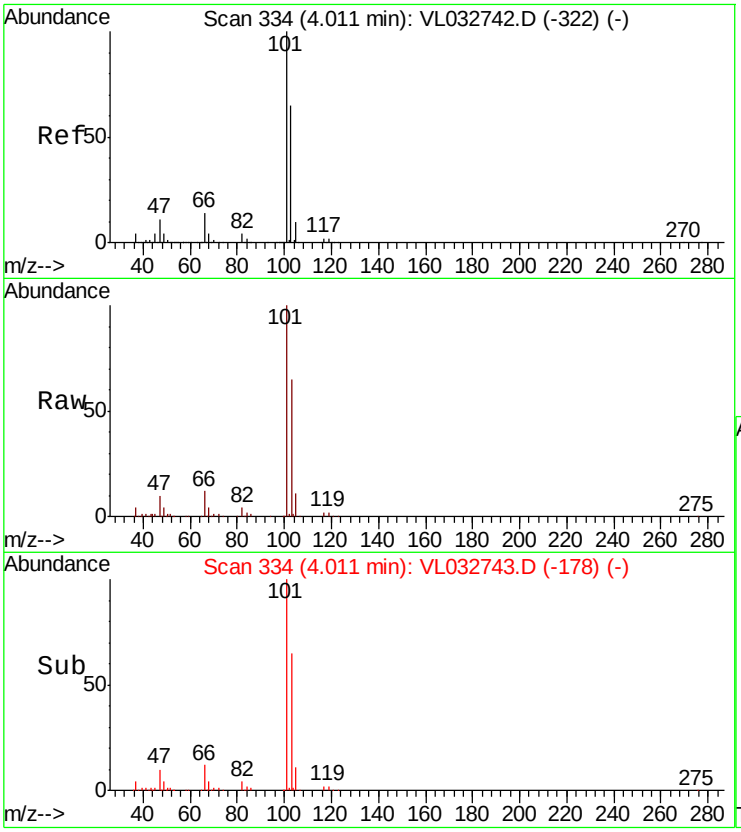


#10
Heptane
Concen: 2.047 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 430549

Ion	Ratio	Lower	Upper
43	100		
57	52.6	41.8	62.8

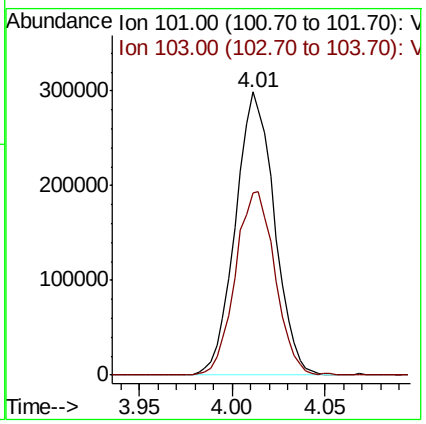




#11
Trichlorofluoromethane
Concen: 1.913 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

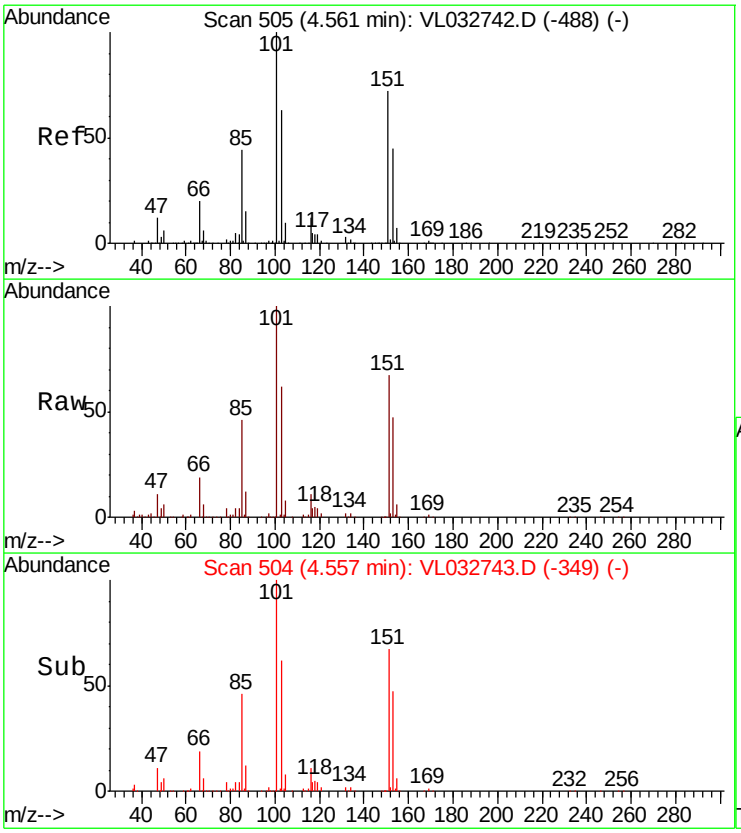
Tgt Ion:101 Resp: 436265

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

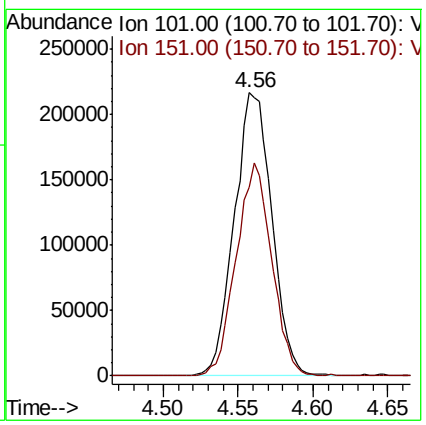
Manual Integrations APPROVED
MMDadoda
11/16/2018 1:29:42 PM

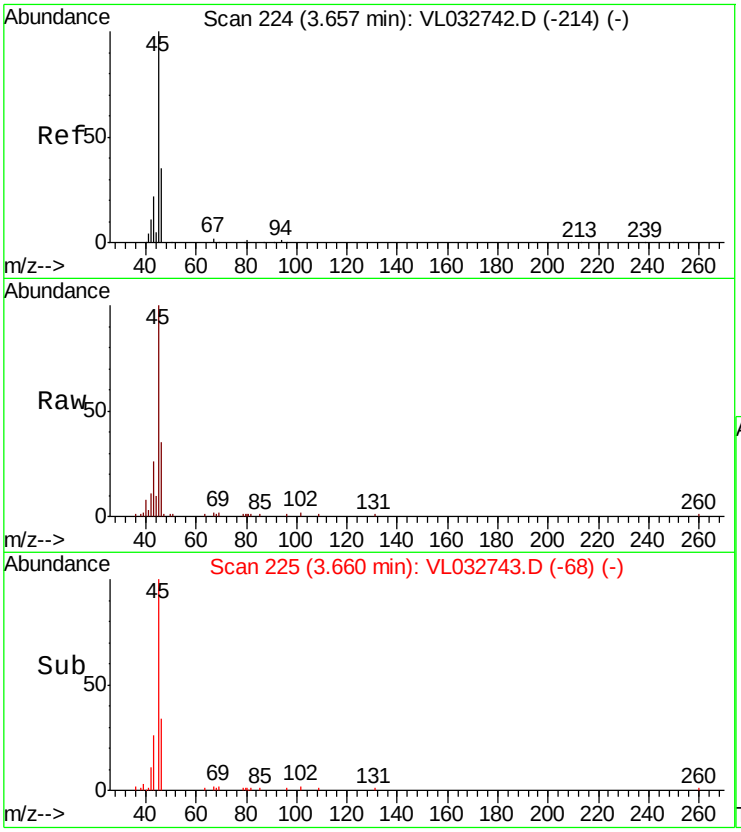


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.056 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:101 Resp: 378763

Ion	Ratio	Lower	Upper
101	100		
151	71.2	56.7	85.1

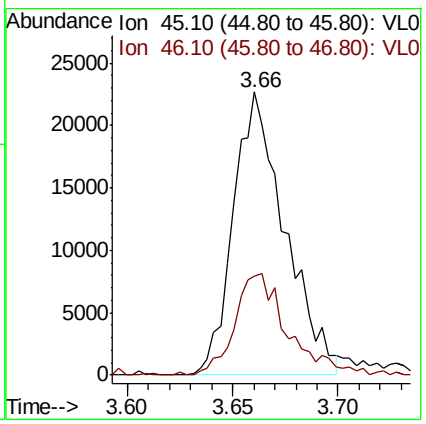




#13
Ethanol
Concen: 2.516 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 45 Resp: 38525

Ion	Ratio	Lower	Upper
45	100		
46	37.5	14.5	57.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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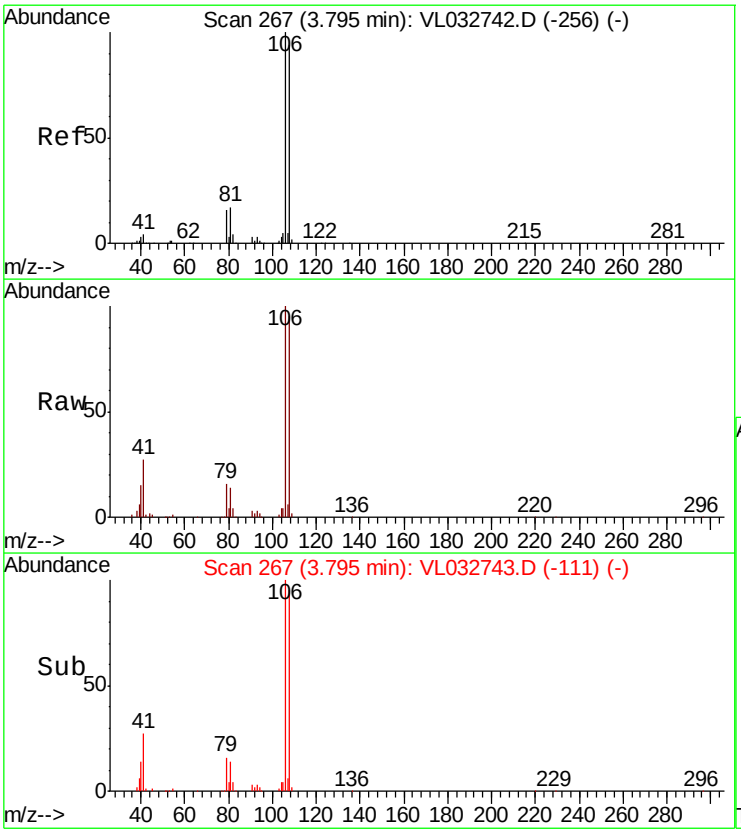
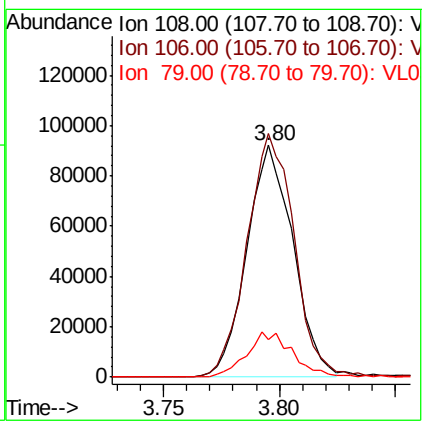
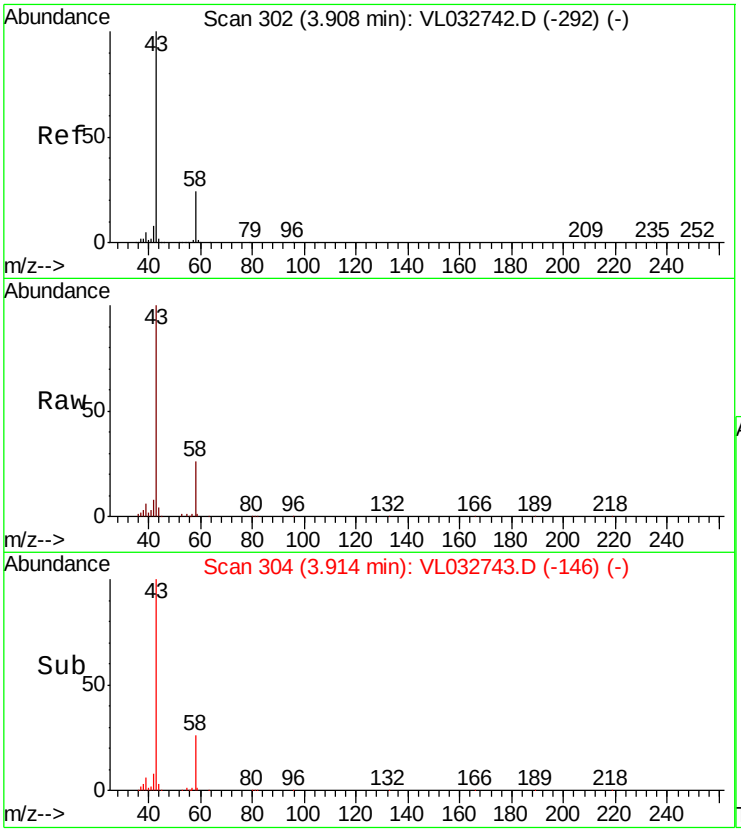


#14
Bromoethene
Concen: 2.016 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:108 Resp: 127795

Ion	Ratio	Lower	Upper
108	100		
106	107.7	84.9	127.3
79	19.7	14.2	21.4





#15
Acetone
Concen: 1.792 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 280522

Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.1	31.7

Instrument :
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ClientSampleId :
VSTDICC002

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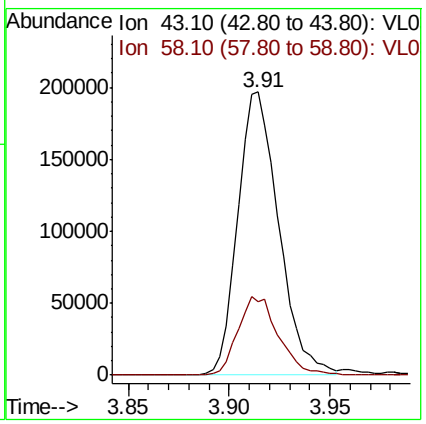
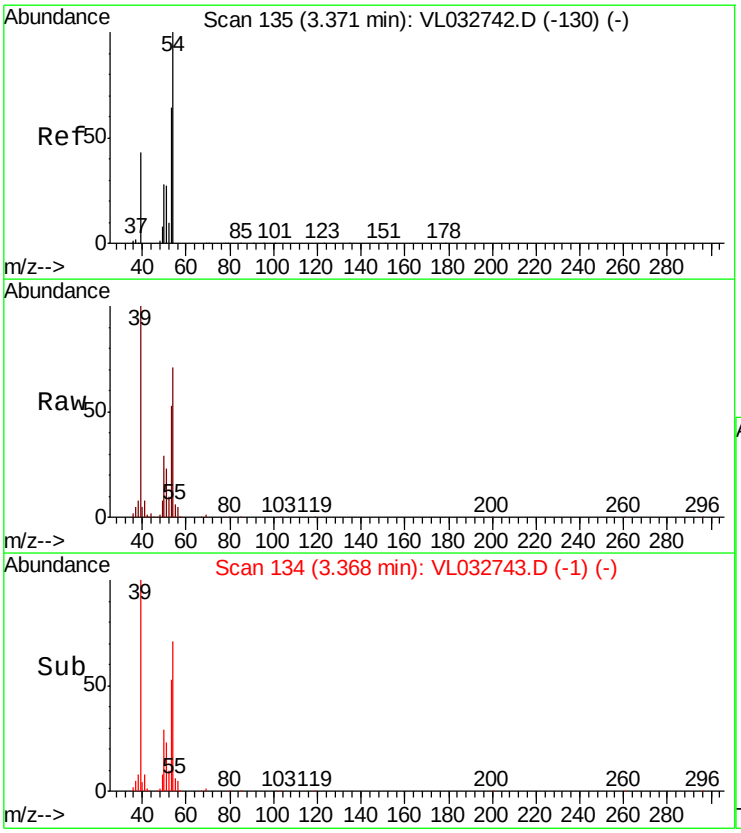
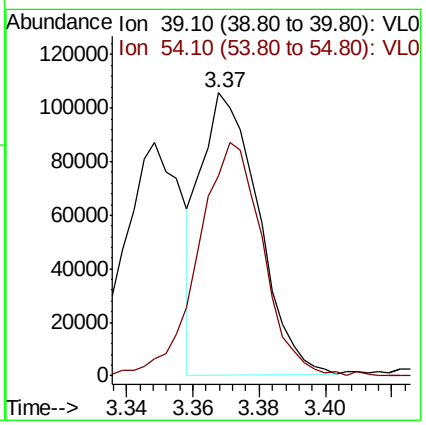


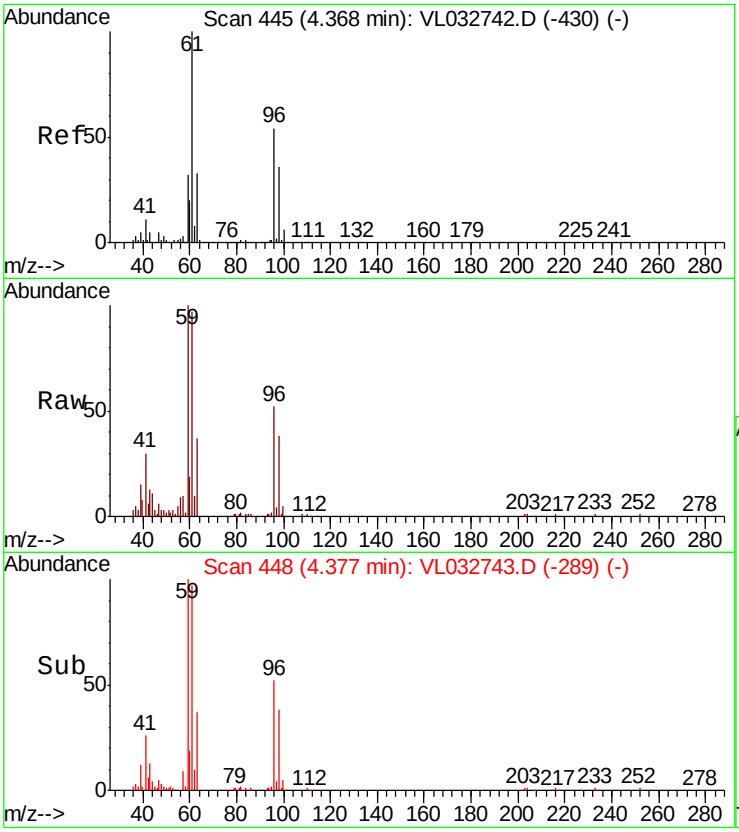


#16
1,3-Butadiene
Concen: 2.136 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 39 Resp: 126773

Ion	Ratio	Lower	Upper
39	100		
54	93.3	68.9	103.3





#17
tert-Butyl alcohol
Concen: 2.172 ppbv m
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 59 Resp: 96079

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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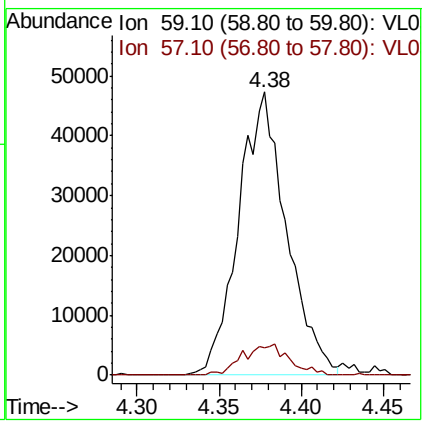
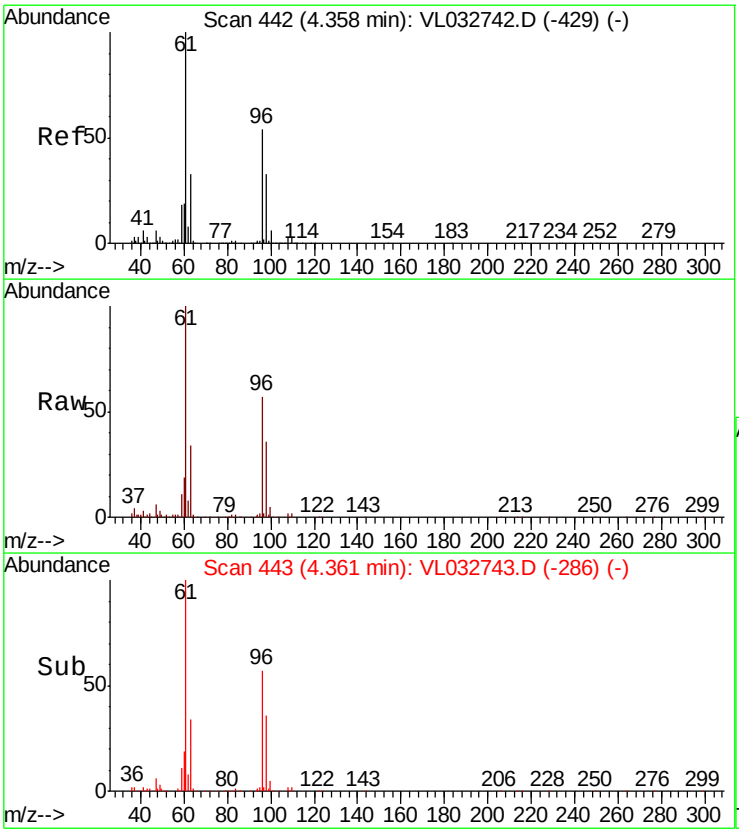
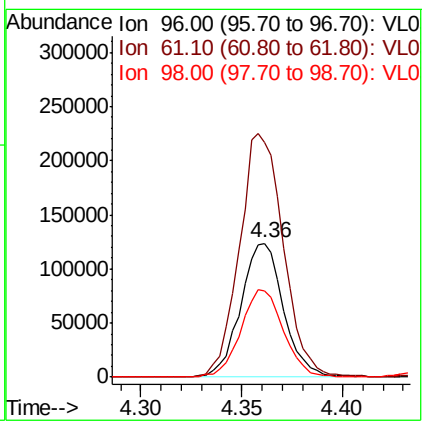


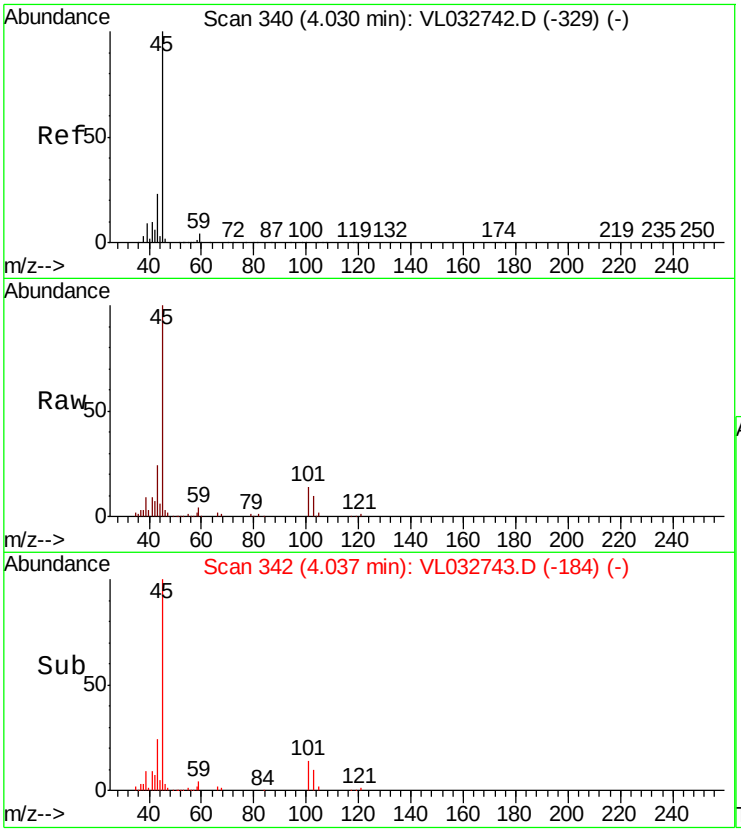


#18
1,1-Dichloroethene
Concen: 2.209 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 96 Resp: 183586

Ion	Ratio	Lower	Upper
96	100		
61	176.3	148.5	222.7
98	64.1	48.6	72.8





#19
Isopropyl Alcohol
Concen: 1.745 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 45 Resp: 190438

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.4	2.0#

Instrument :
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ClientSampleId :
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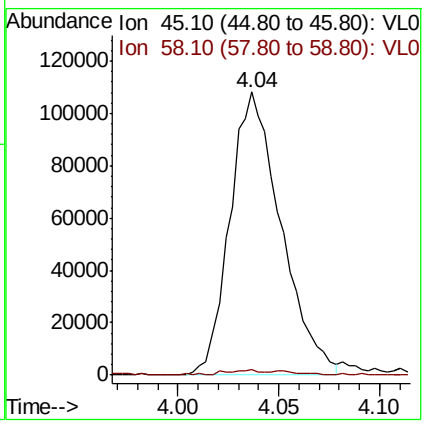
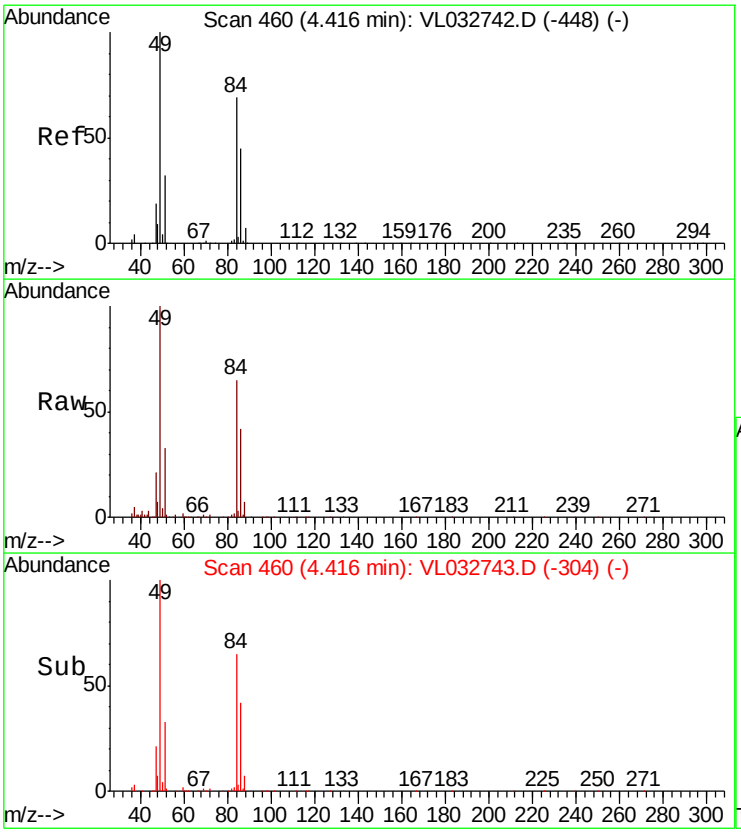
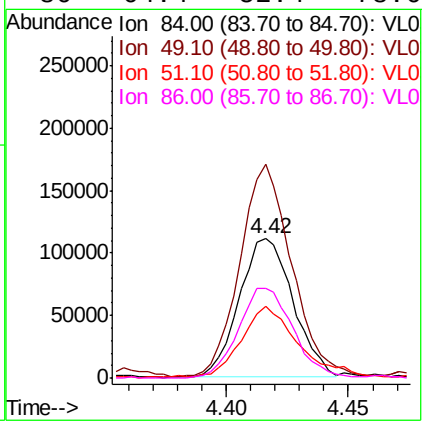


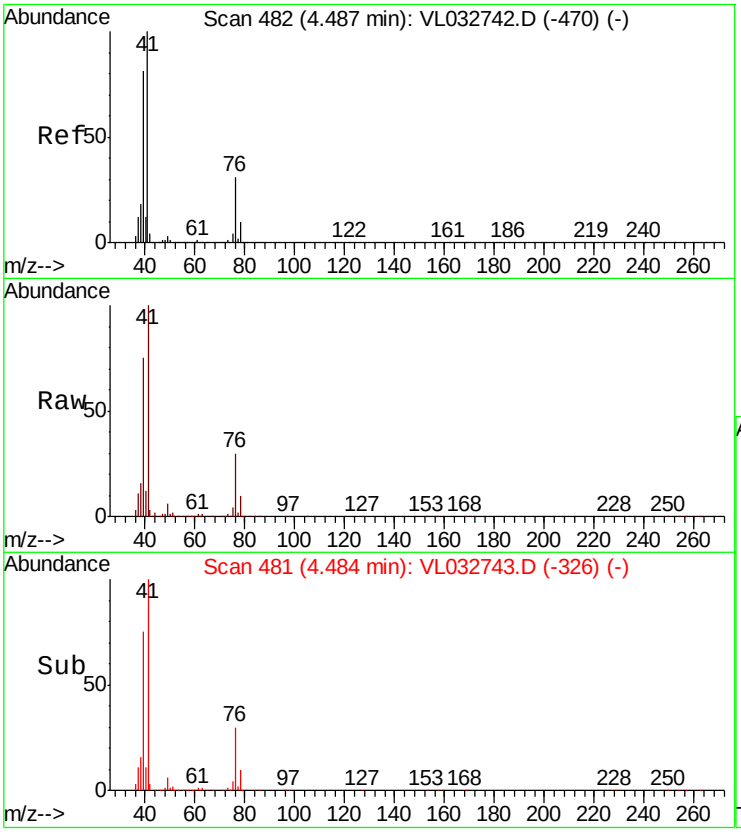


#20
Methylene Chloride
Concen: 2.135 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 84 Resp: 170107

Ion	Ratio	Lower	Upper
84	100		
49	151.9	115.8	173.6
51	49.9	36.9	55.3
86	64.4	52.4	78.6

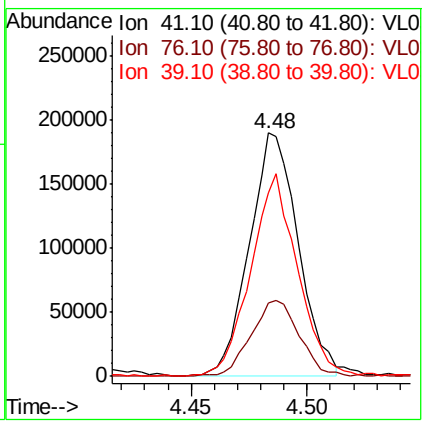




#21
Allyl Chloride
Concen: 2.203 ppbv
RT: 4.48 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 41 Resp: 275976

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.4	36.6
39	79.9	63.5	95.3



Instrument :
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ClientSampleId :
VSTDICC002

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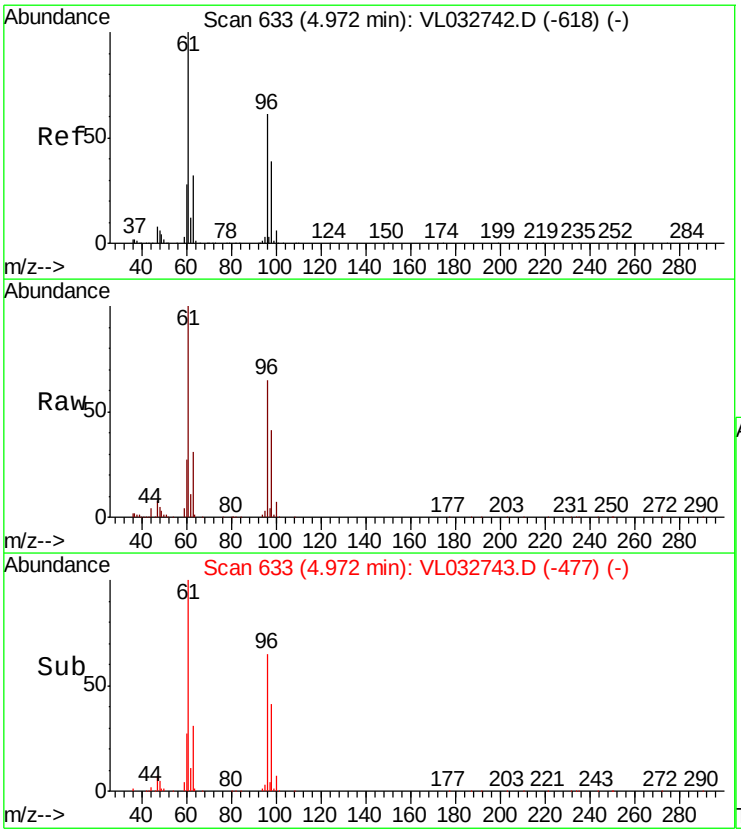
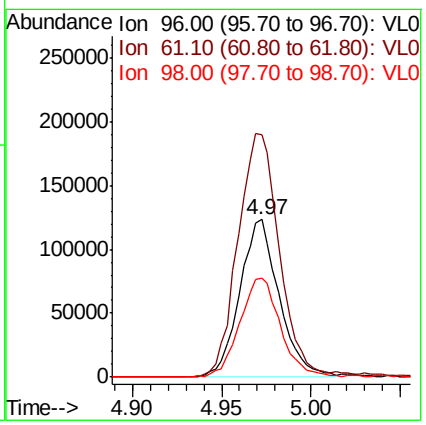
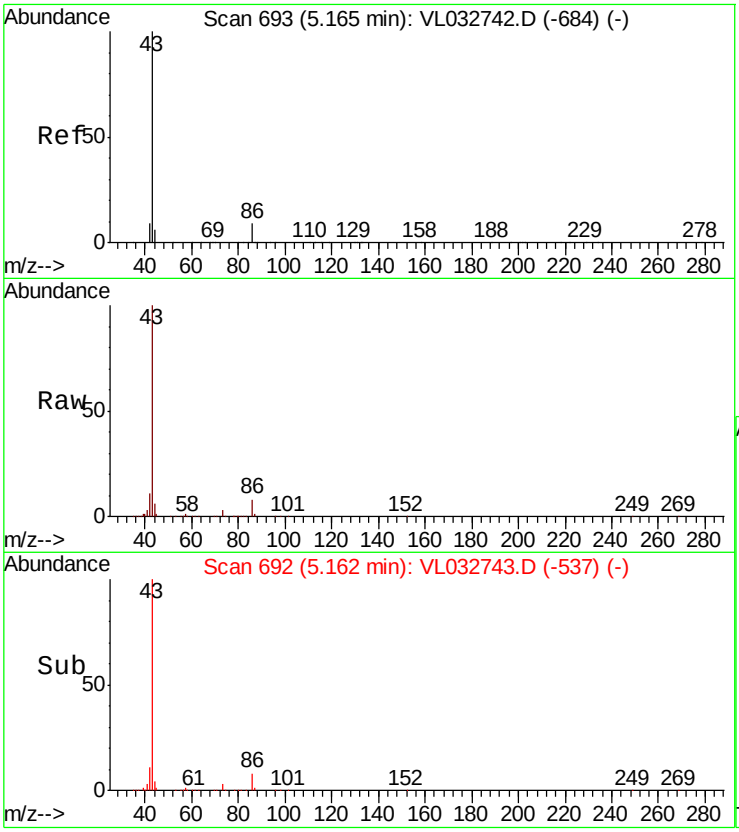


#22
trans-1,2-Dichloroethene
Concen: 2.230 ppbv
RT: 4.97 min Scan# 633
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 96 Resp: 190650

Ion	Ratio	Lower	Upper
96	100		
61	153.3	130.2	195.2
98	62.6	50.2	75.2

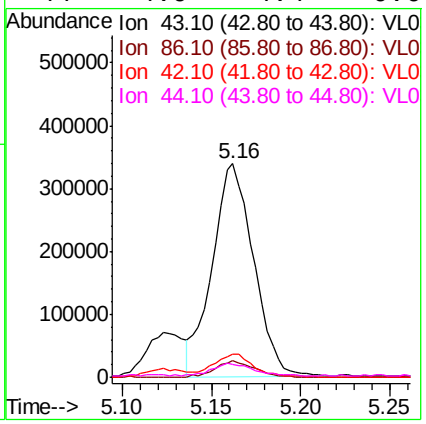




#23
Vinyl Acetate
Concen: 1.926 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 544234

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	10.7	7.8	11.6
44	4.9	4.4	6.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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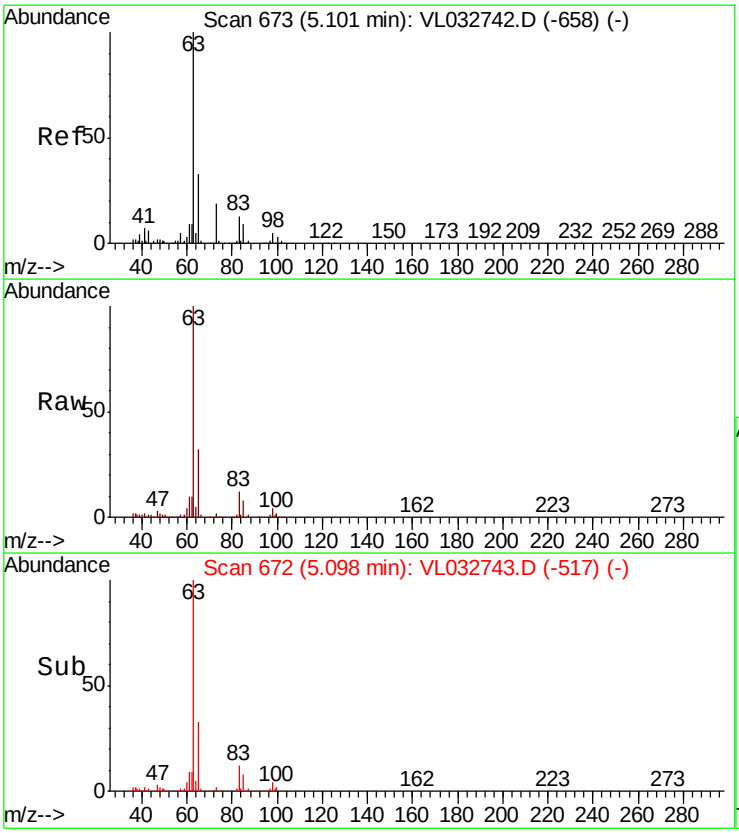
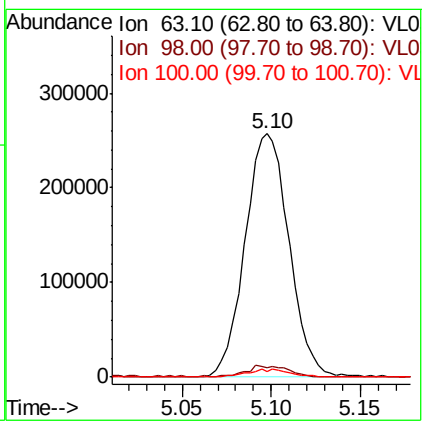
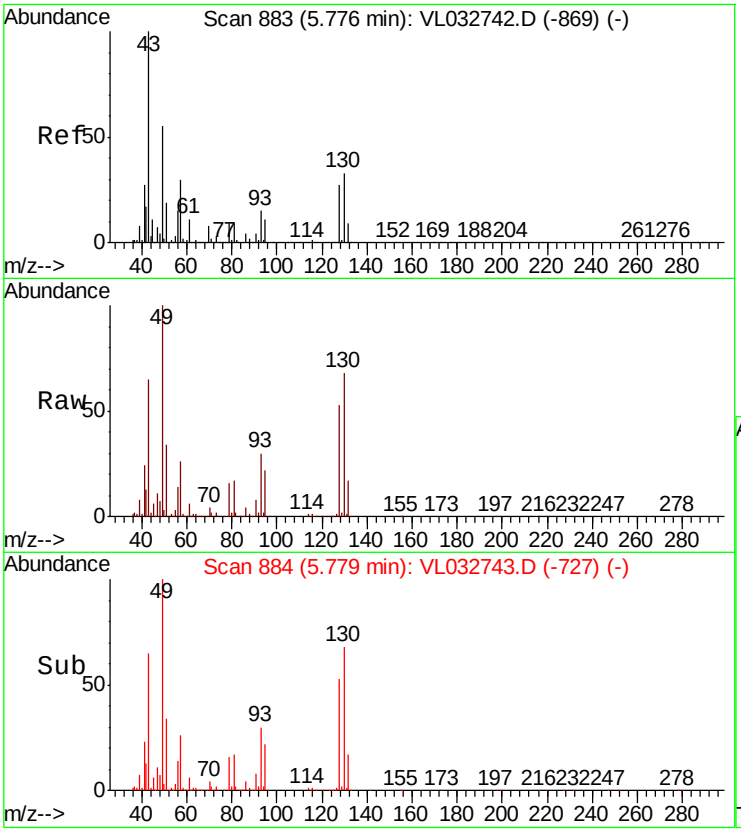


#24
1,1-Dichloroethane
Concen: 1.983 ppbv
RT: 5.10 min Scan# 672
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 63 Resp: 440707

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	2.4	1.4	4.2

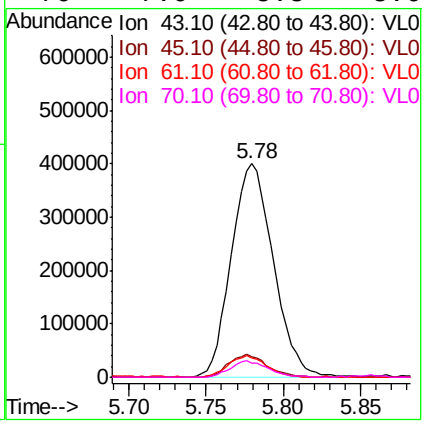




#25
Ethyl Acetate
Concen: 2.105 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 754476

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.1	7.8	11.6
70	7.0	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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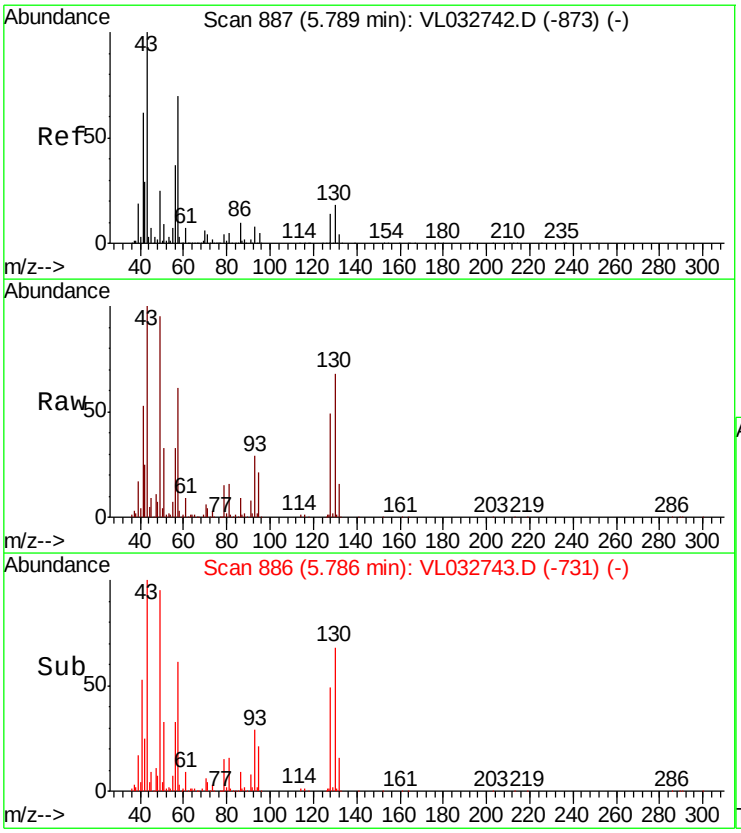
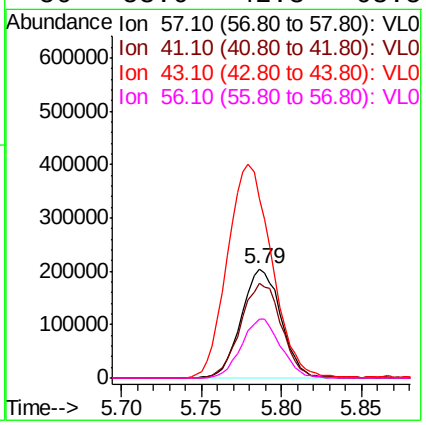
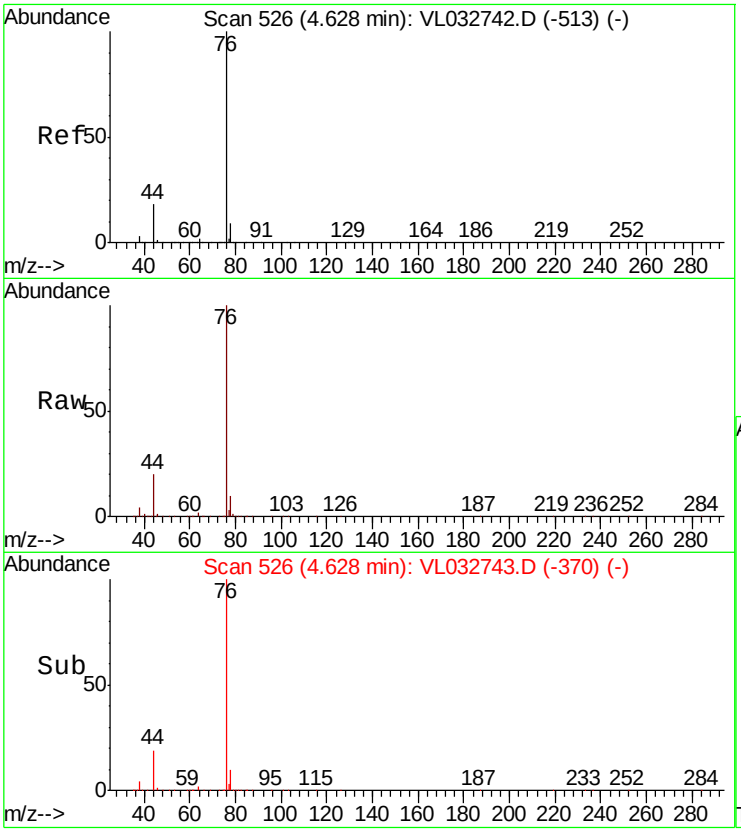


#26
Hexane
Concen: 2.034 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 57 Resp: 343110

Ion	Ratio	Lower	Upper
57	100		
41	90.3	70.3	105.5
43	222.1	174.0	261.0
56	53.6	42.3	63.5

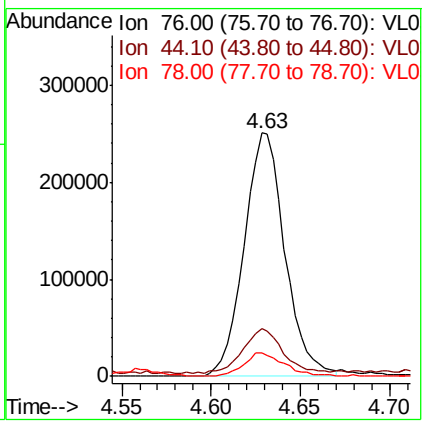




#27
Carbon Disulfide
Concen: 1.973 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 76 Resp: 399220

Ion	Ratio	Lower	Upper
76	100		
44	19.7	14.4	21.6
78	10.0	7.7	11.5



Instrument :
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ClientSampleId :
VSTDICC002

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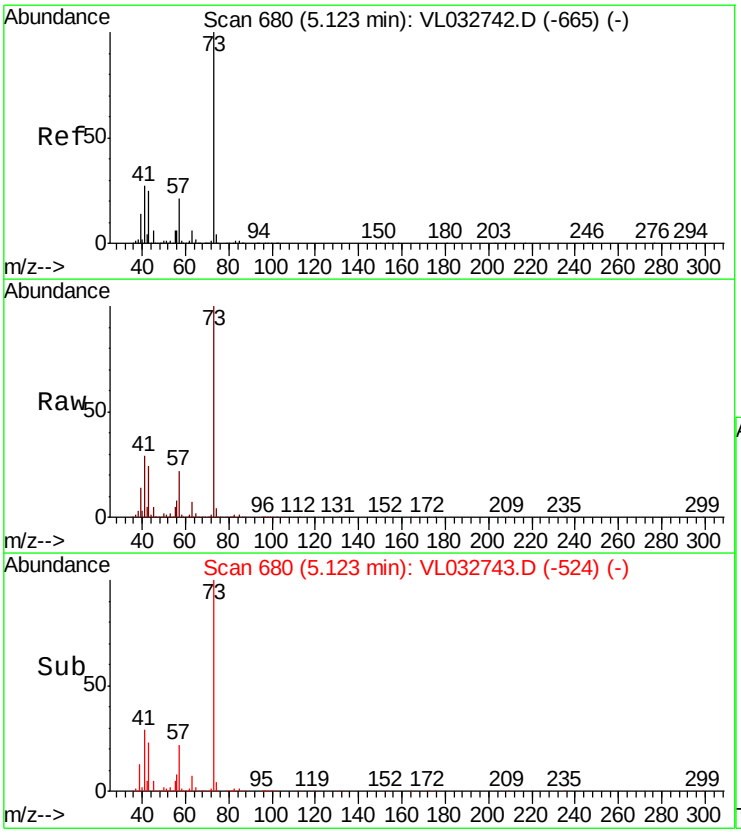
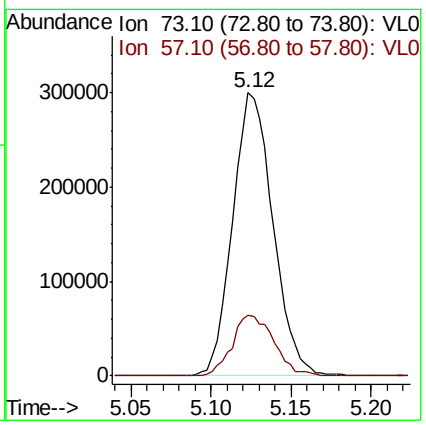
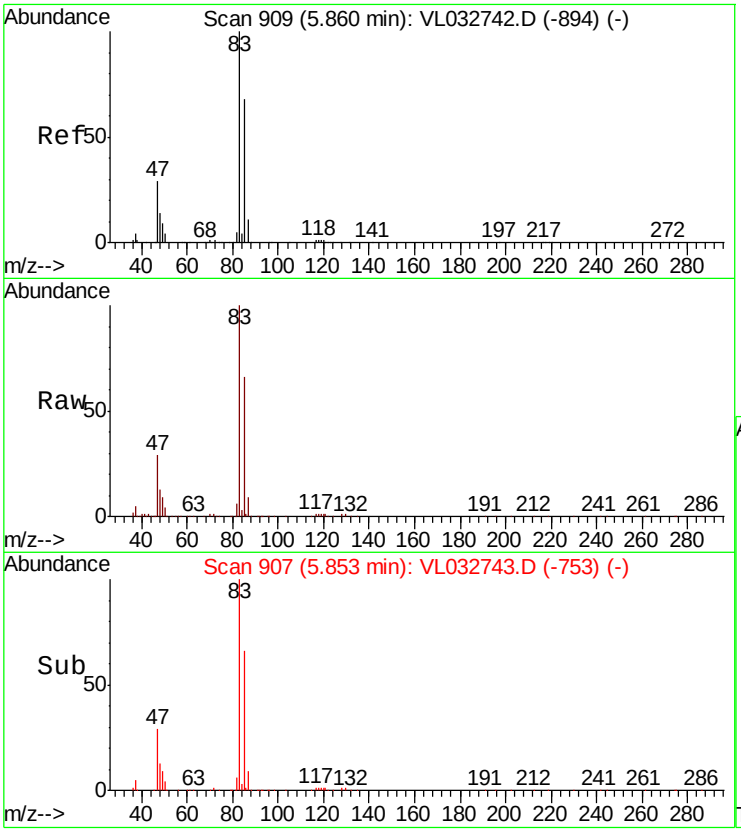


#28
Methyl tert-Butyl Ether
Concen: 2.052 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 73 Resp: 513650

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.5	26.3

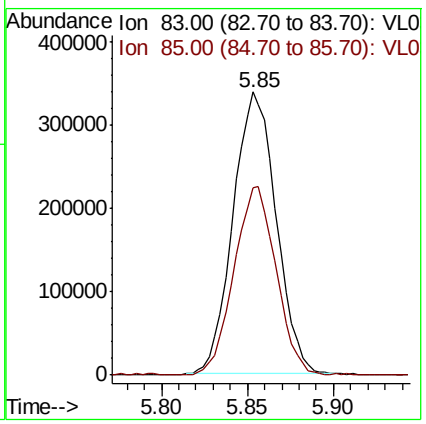




#29
Chloroform
Concen: 2.162 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 83 Resp: 590170

Ion	Ratio	Lower	Upper
83	100		
85	66.2	54.2	81.4



Instrument :
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ClientSampleId :
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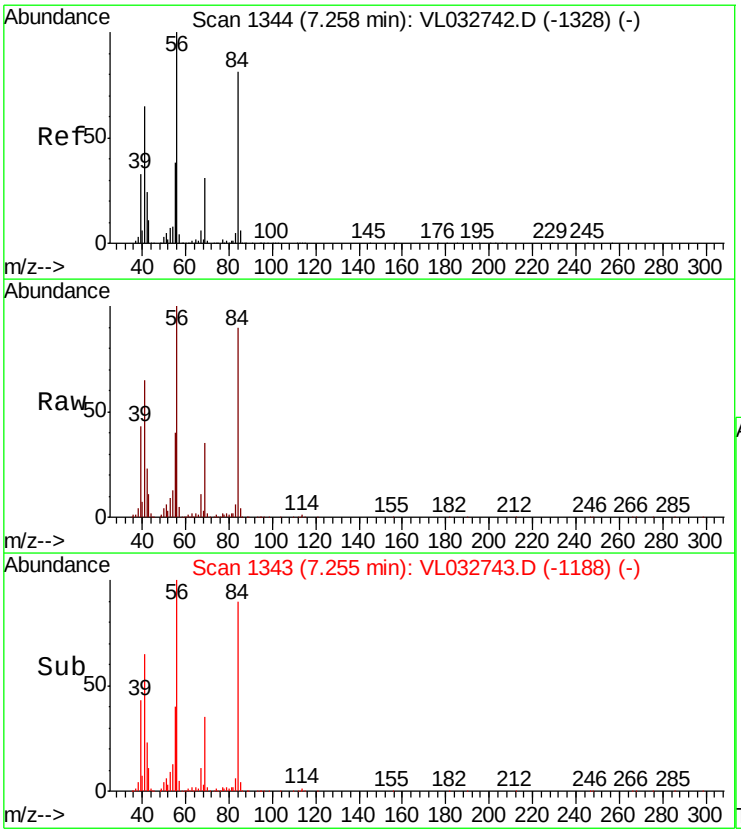
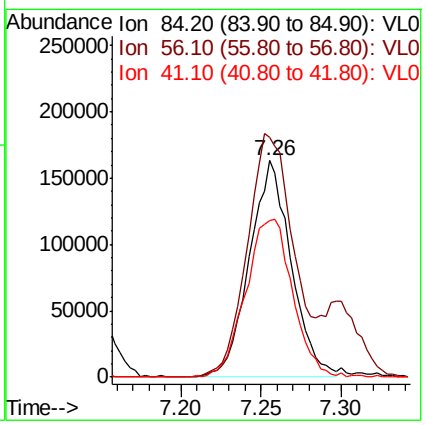
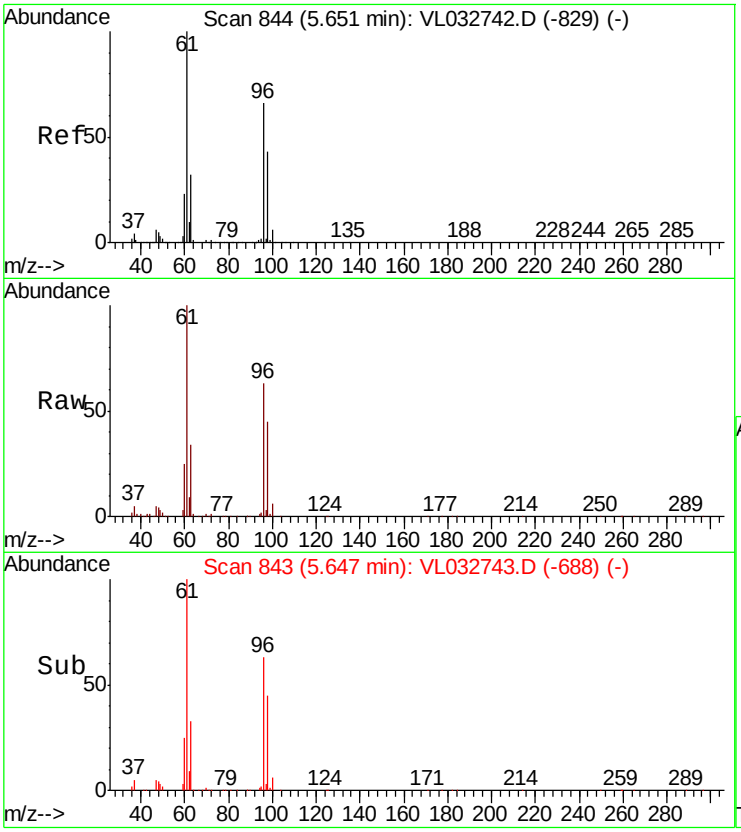


#30
Cyclohexane
Concen: 2.162 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 84 Resp: 292583

Ion	Ratio	Lower	Upper
84	100		
56	155.9	105.0	157.4
41	82.9	65.3	97.9

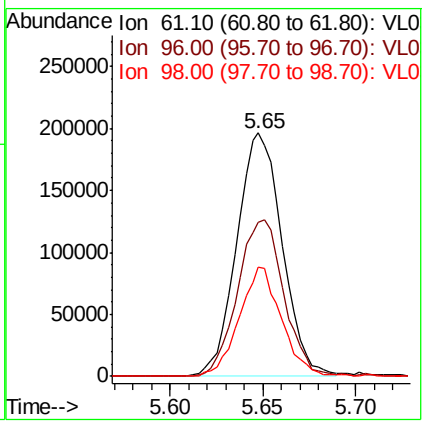




#31
cis-1,2-Dichloroethene
Concen: 2.120 ppbv
RT: 5.65 min Scan# 843
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 61 Resp: 334011

Ion	Ratio	Lower	Upper
61	100		
96	62.9	53.2	79.8
98	44.7	34.4	51.6



Instrument :
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ClientSampleId :
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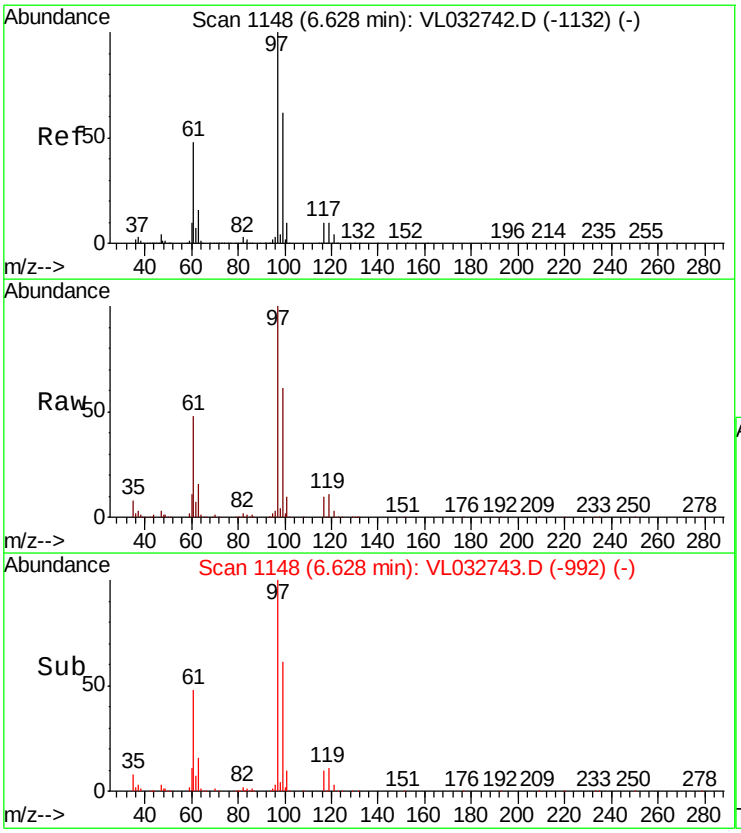
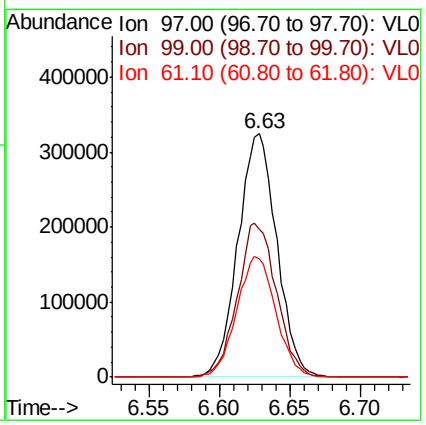
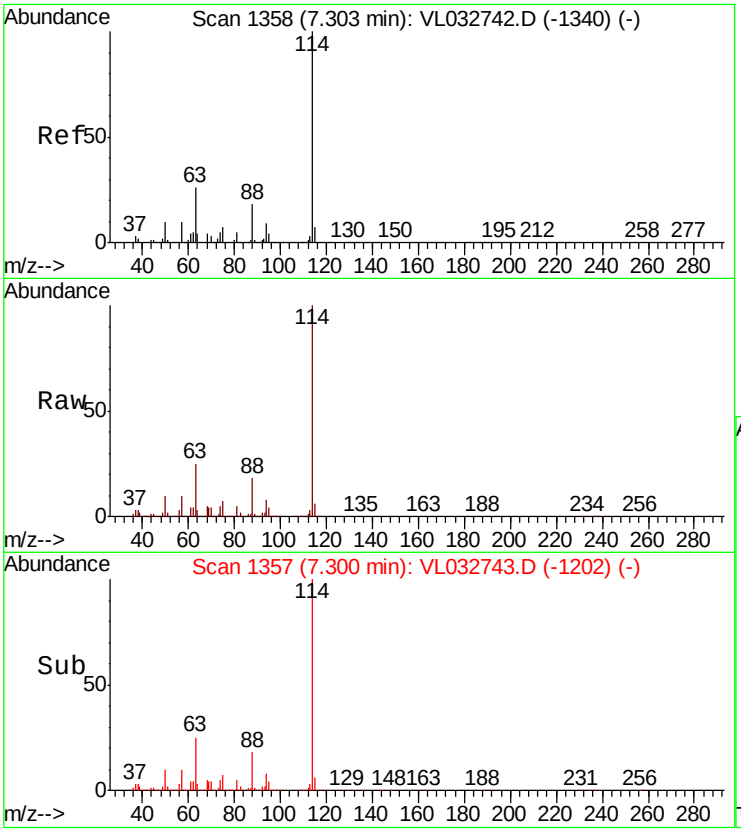


#32
1,1,1-Trichloroethane
Concen: 2.236 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 97 Resp: 625726

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	50.2	39.7	59.5

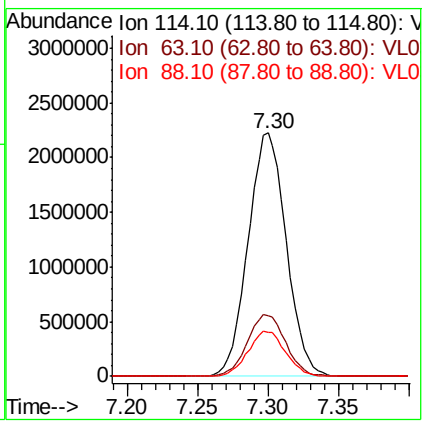




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:114 Resp: 4210053

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.9	31.3
88	18.2	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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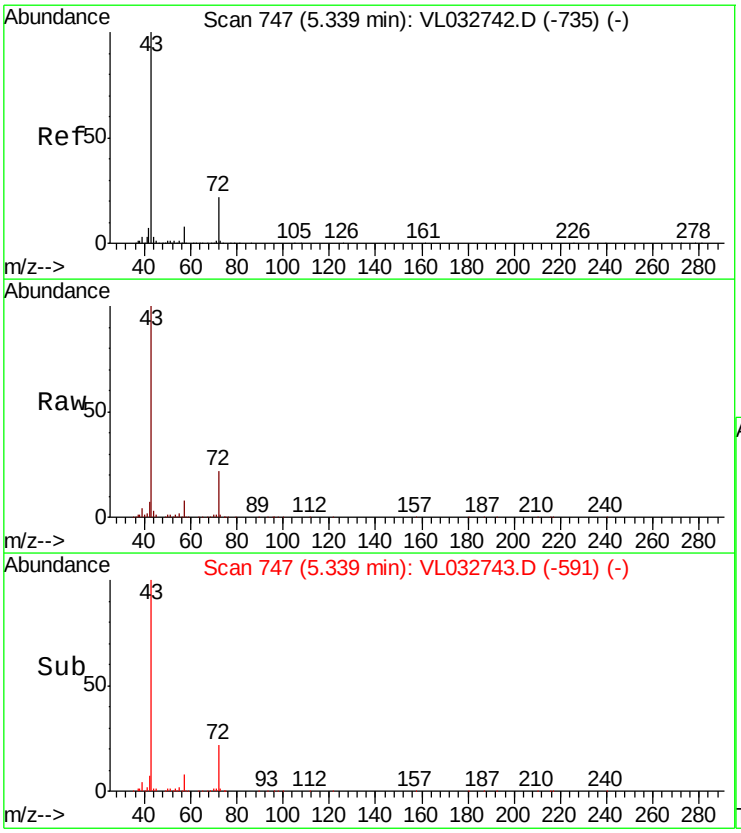
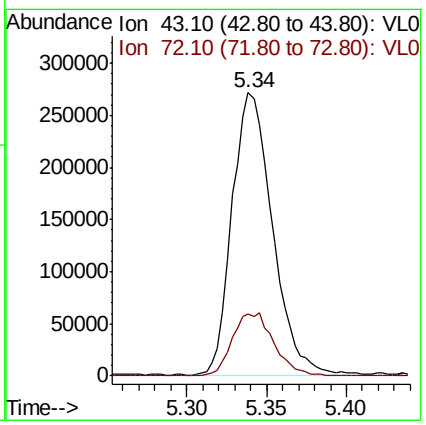
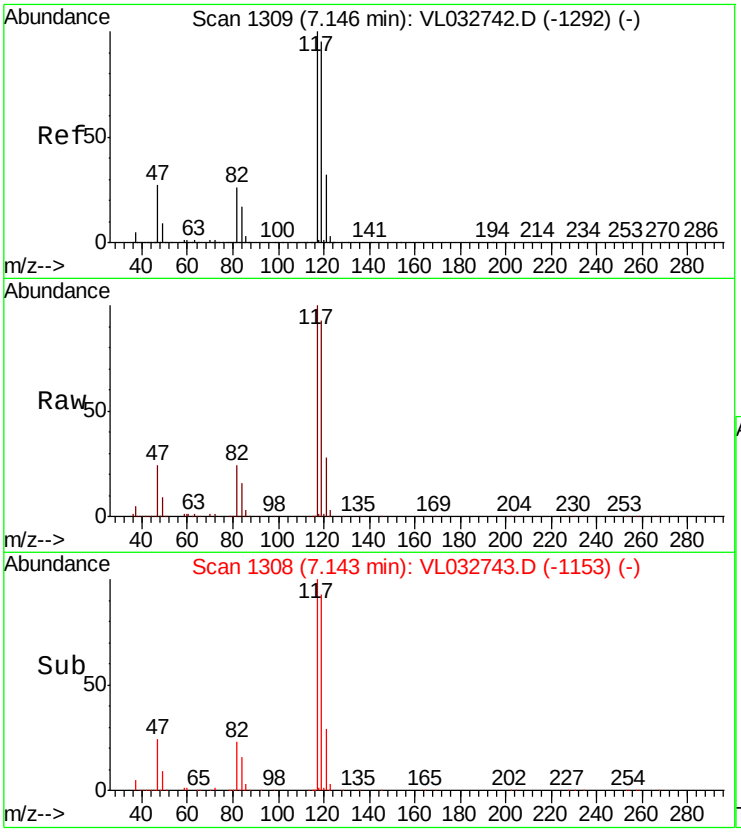


#34
2-Butanone
Concen: 2.056 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 464668

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6

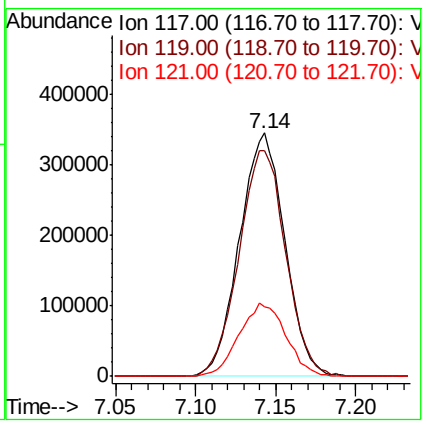




#35
Carbon Tetrachloride
Concen: 2.211 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:117 Resp: 667046

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.1	114.1
121	28.5	25.4	38.0



Instrument :
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ClientSampleId :
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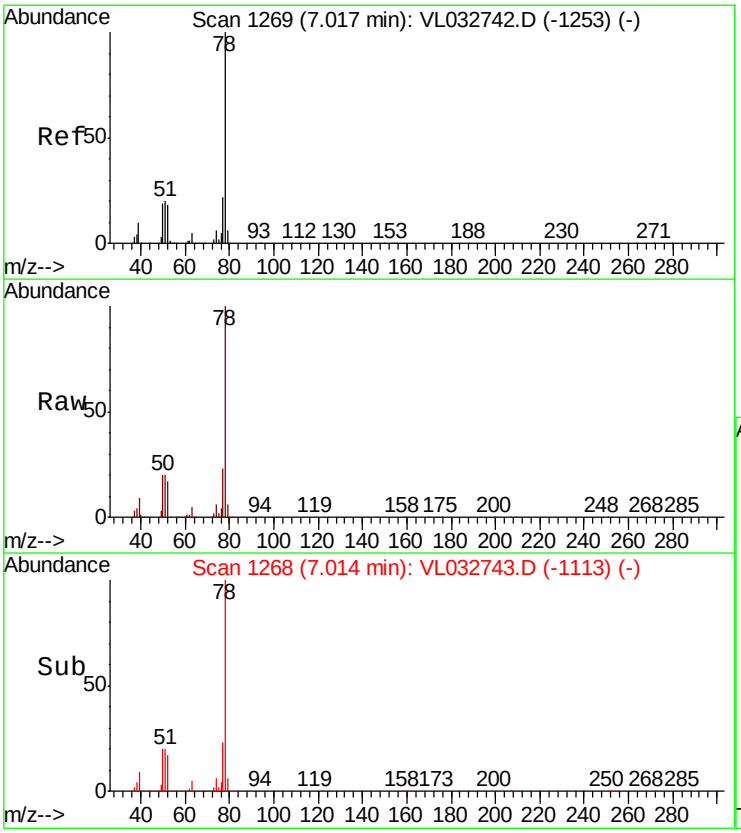
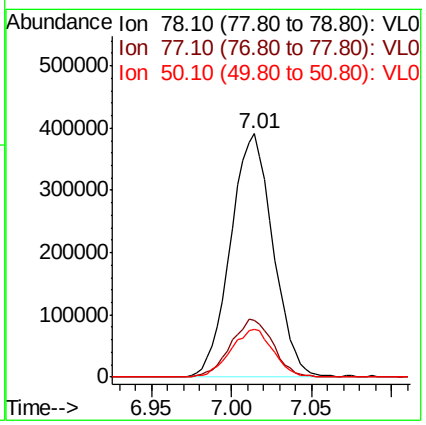
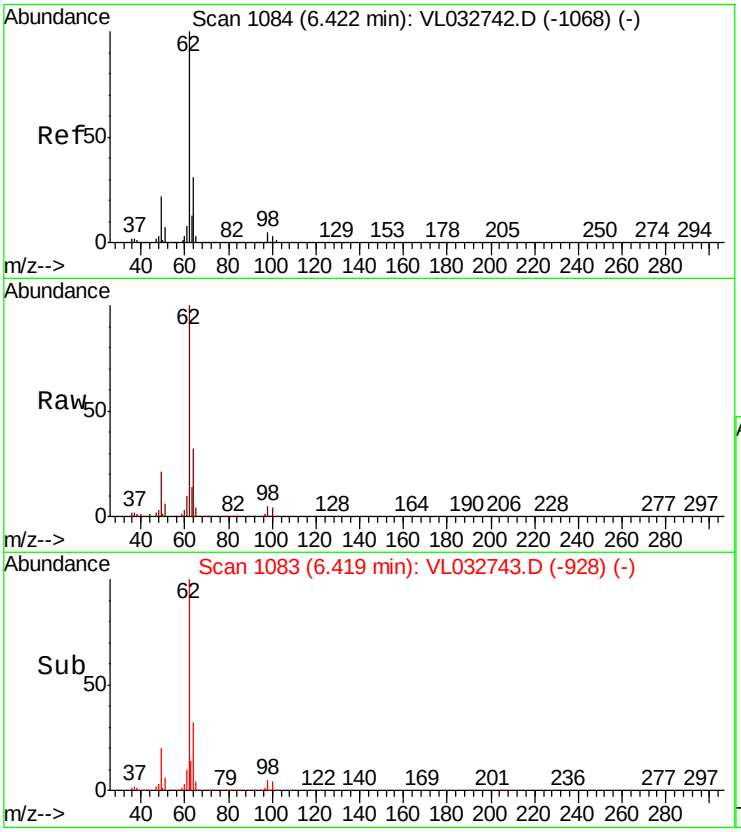


#36
Benzene
Concen: 2.073 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 78 Resp: 705075

Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.8	26.8
50	19.5	15.4	23.0

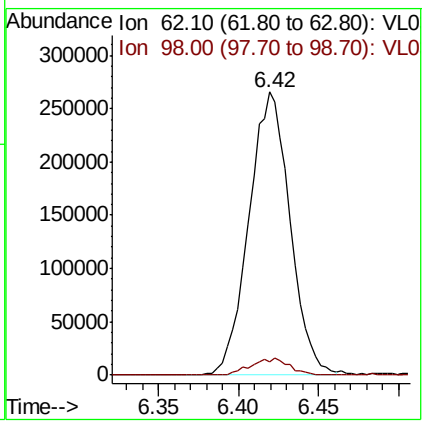




#37
1,2-Dichloroethane
Concen: 2.215 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 62 Resp: 468225

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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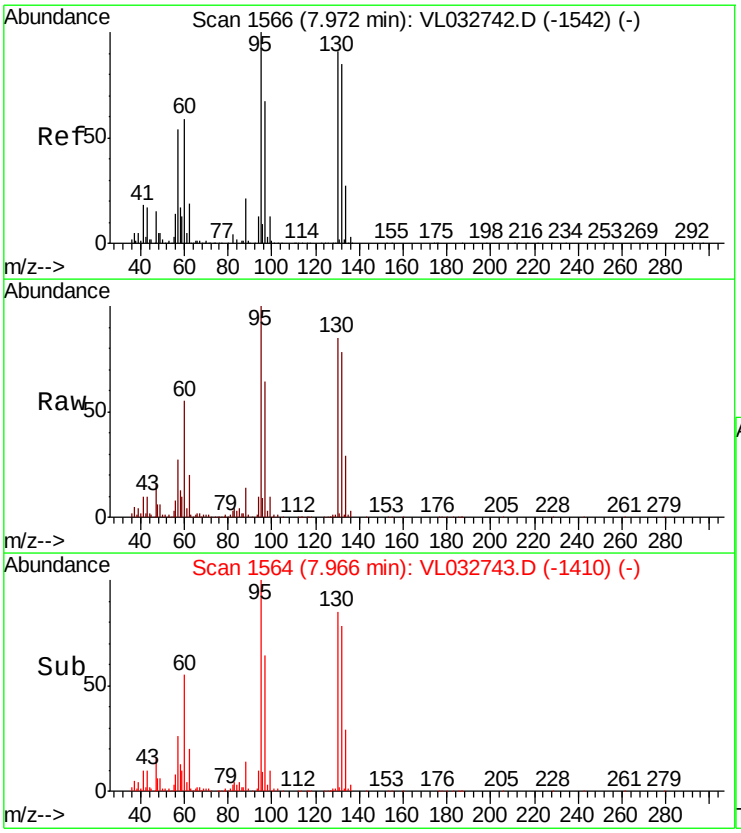
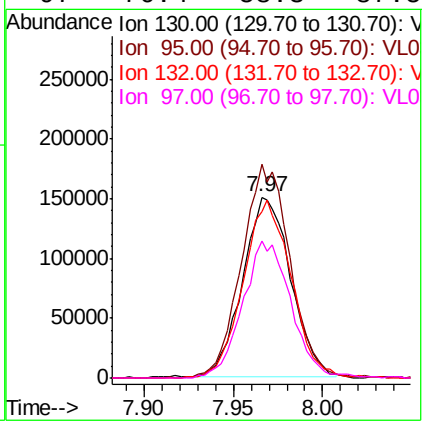
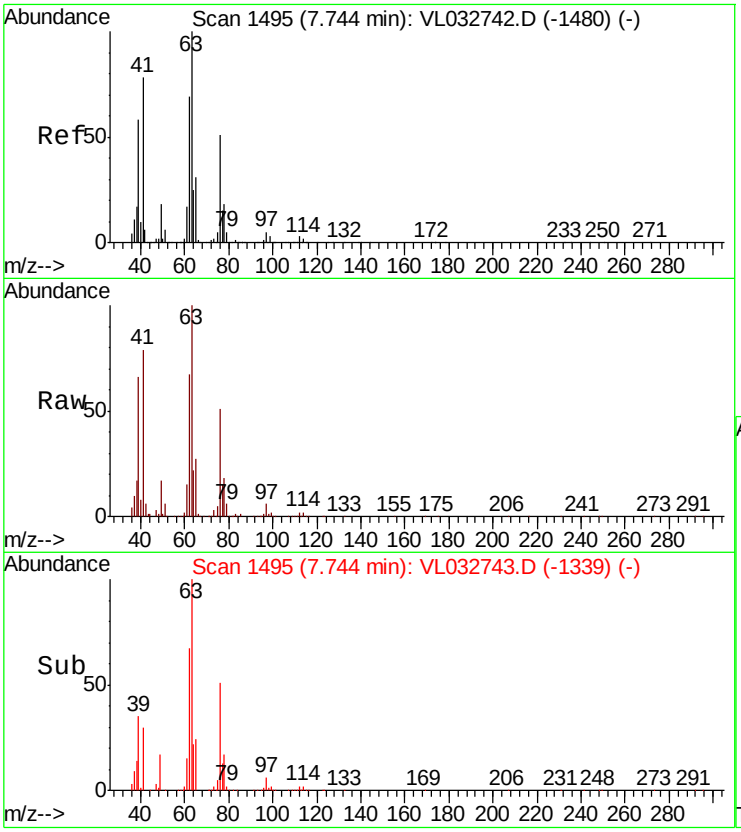


#38
Trichloroethene
Concen: 2.215 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:130 Resp: 282165

Ion	Ratio	Lower	Upper
130	100		
95	118.5	87.7	131.5
132	92.1	74.6	111.8
97	76.4	58.3	87.5

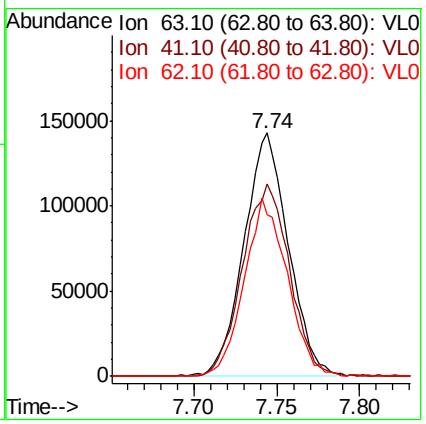




#39
1,2-Dichloropropane
Concen: 2.001 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 63 Resp: 262749

Ion	Ratio	Lower	Upper
63	100		
41	79.1	62.0	93.0
62	66.5	55.4	83.2



Instrument :
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ClientSampleId :
VSTDICC002

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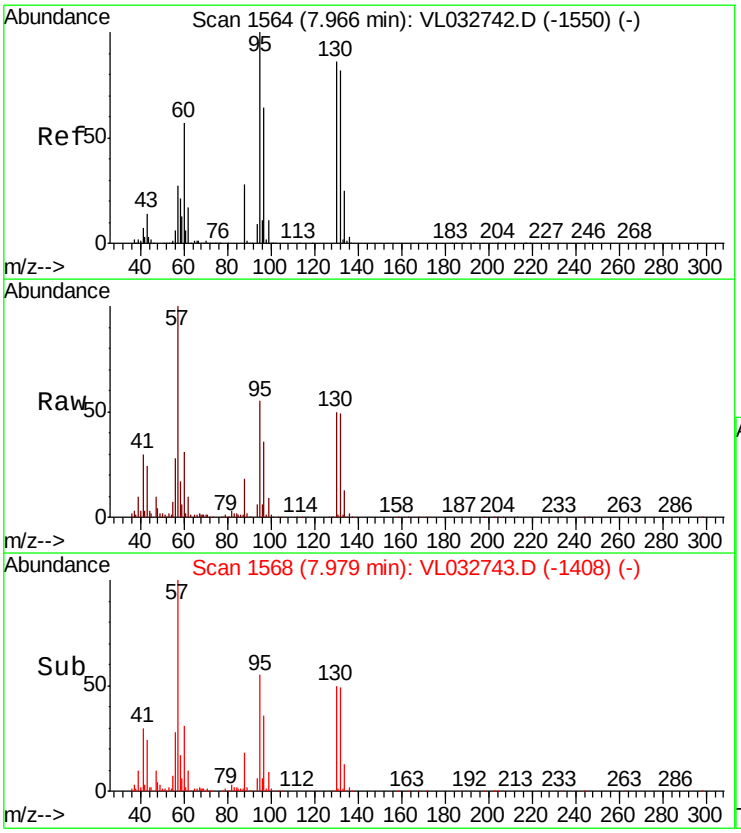
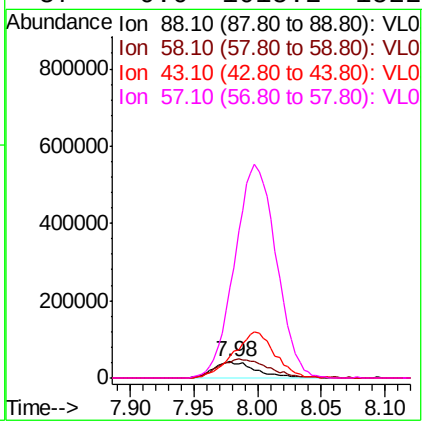
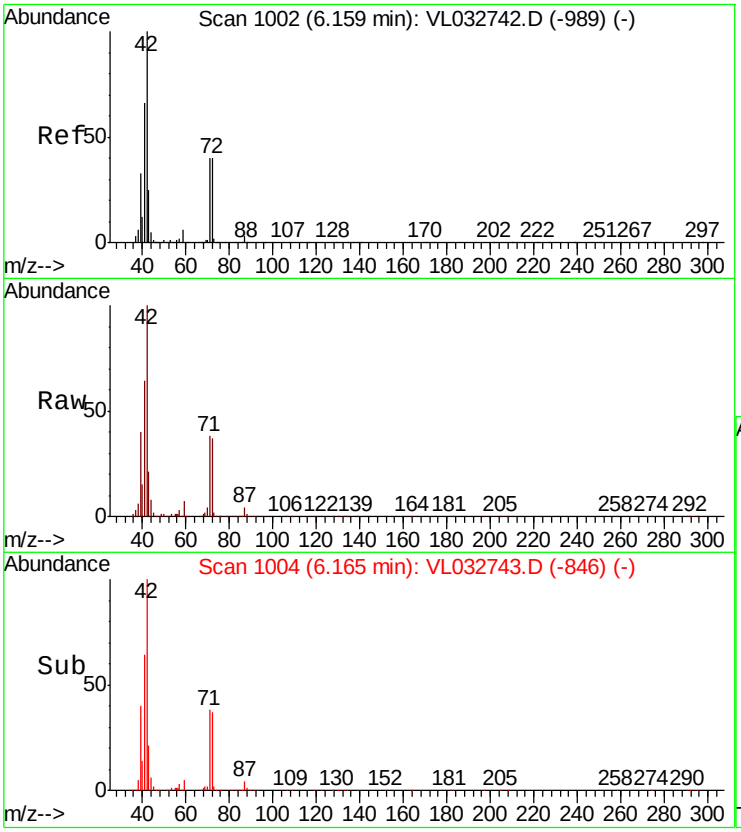


#40
1,4-Dioxane
Concen: 2.277 ppbv m
RT: 7.98 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 88 Resp: 101703

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.3	157.9#
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#

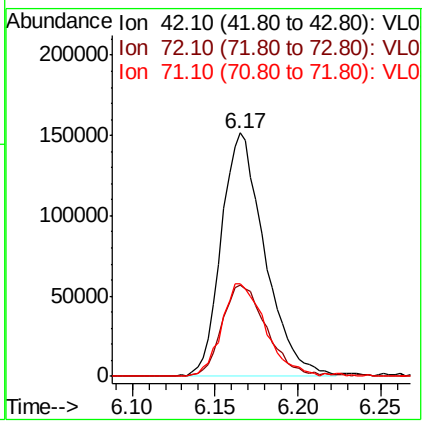




#41
Tetrahydrofuran
Concen: 2.193 ppbv
RT: 6.17 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 42 Resp: 274288

Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.4	48.6
71	39.0	31.6	47.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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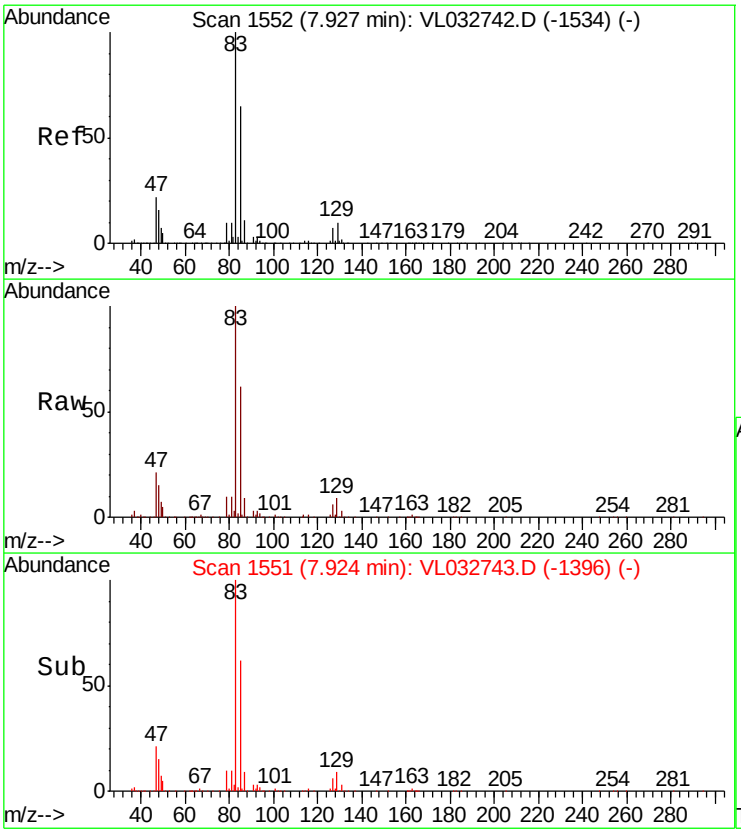
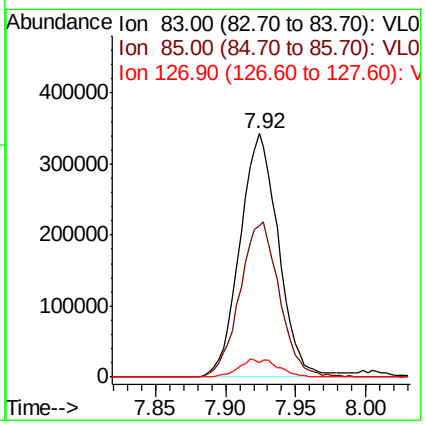
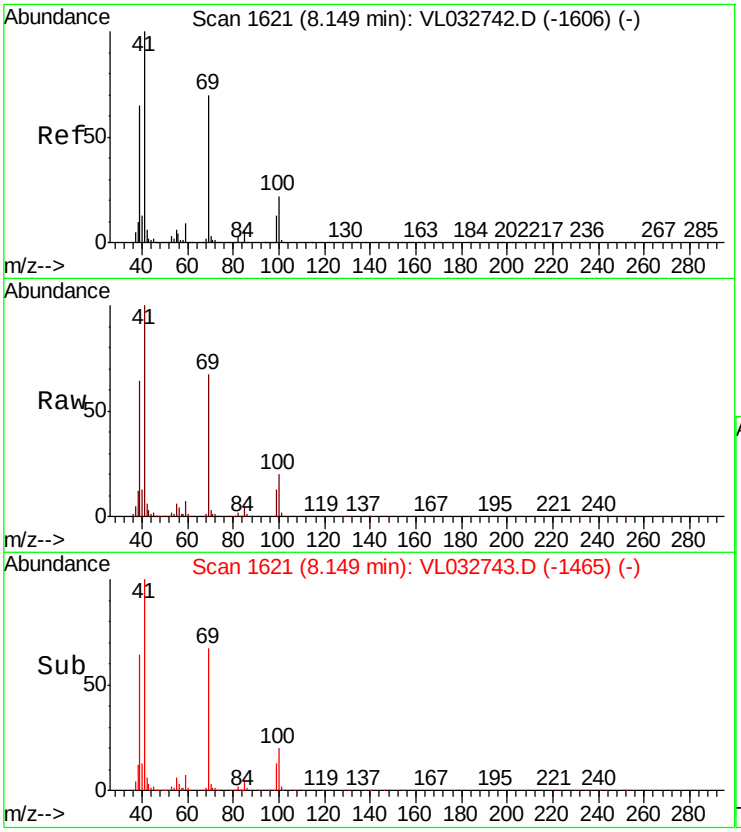


#42
Bromodichloromethane
Concen: 2.222 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 83 Resp: 656528

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.8
127	6.1	5.9	8.9

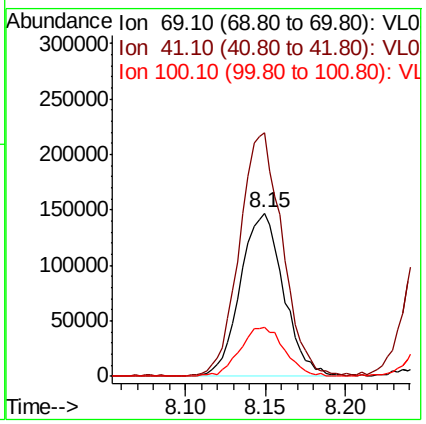




#43
Methyl Methacrylate
Concen: 2.166 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 69 Resp: 270716

Ion	Ratio	Lower	Upper
69	100		
41	148.1	115.0	172.4
100	31.4	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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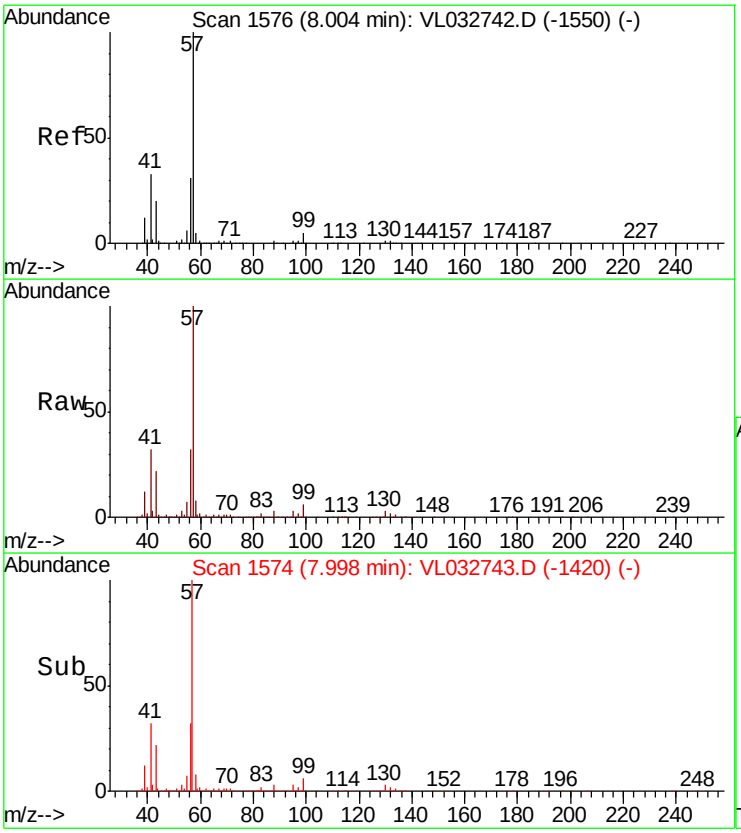
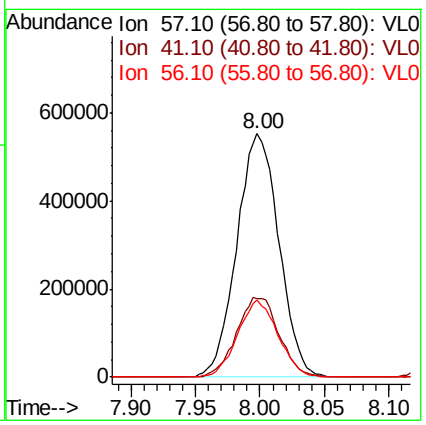
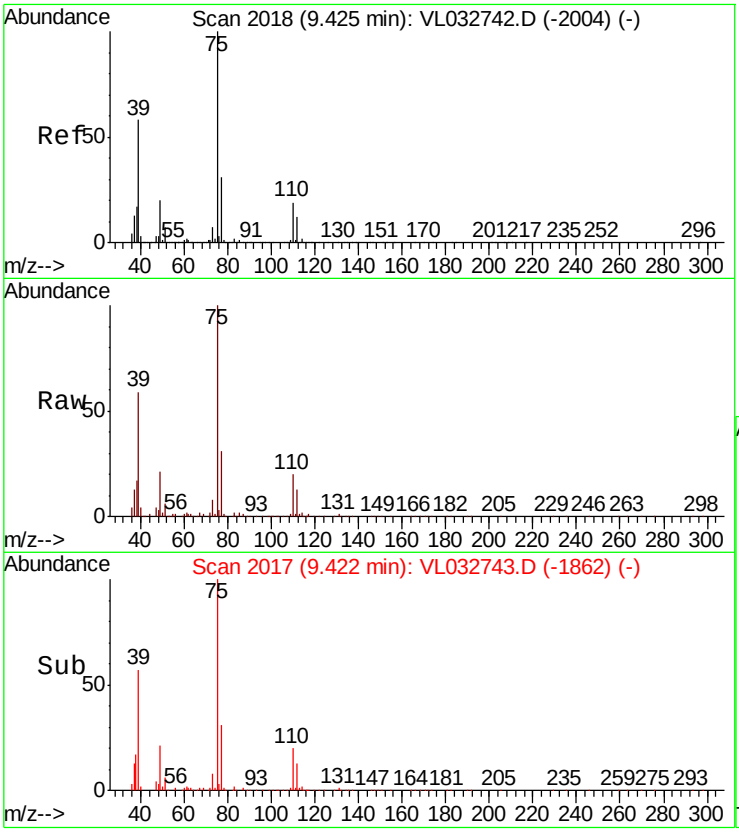


#44
2,2,4-Trimethylpentane
Concen: 2.159 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 57 Resp: 1254458

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.6	39.8
56	30.4	24.8	37.2

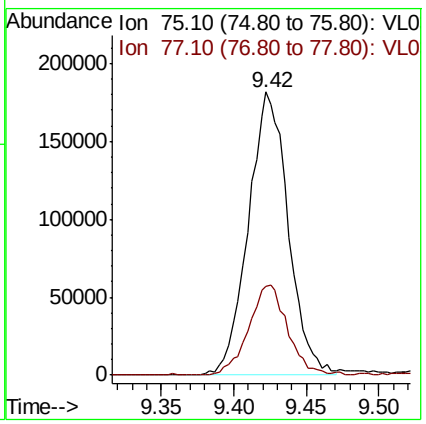




#45
t-1,3-Dichloropropene
Concen: 2.074 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 75 Resp: 347065

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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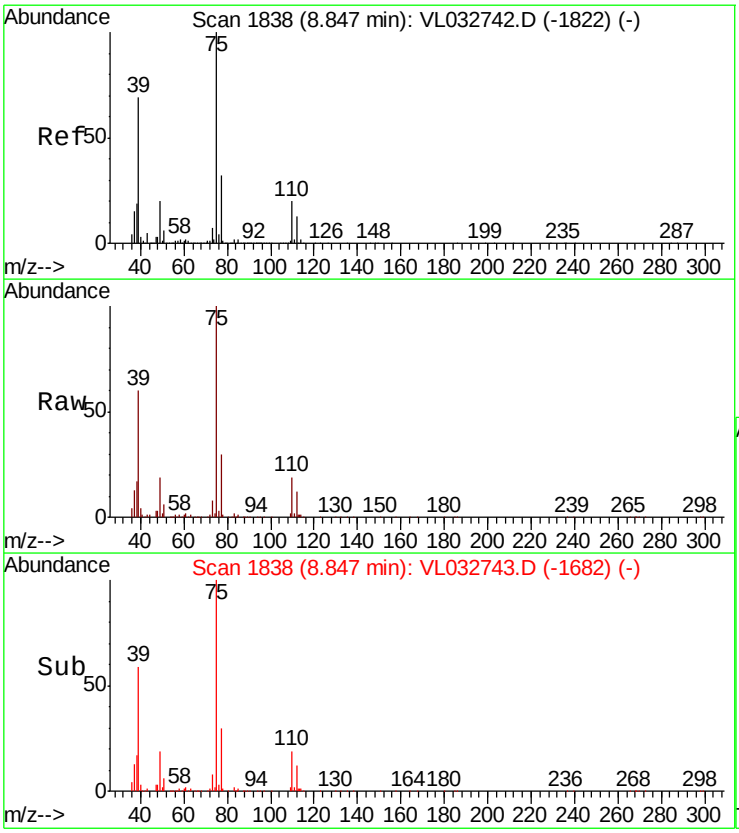
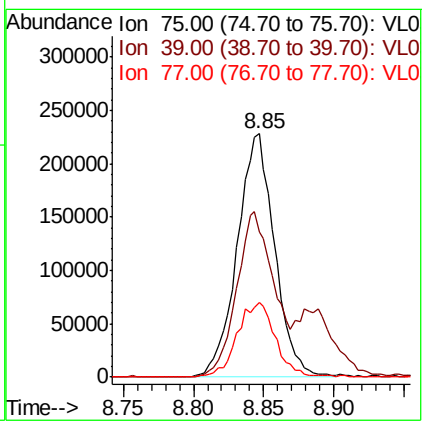
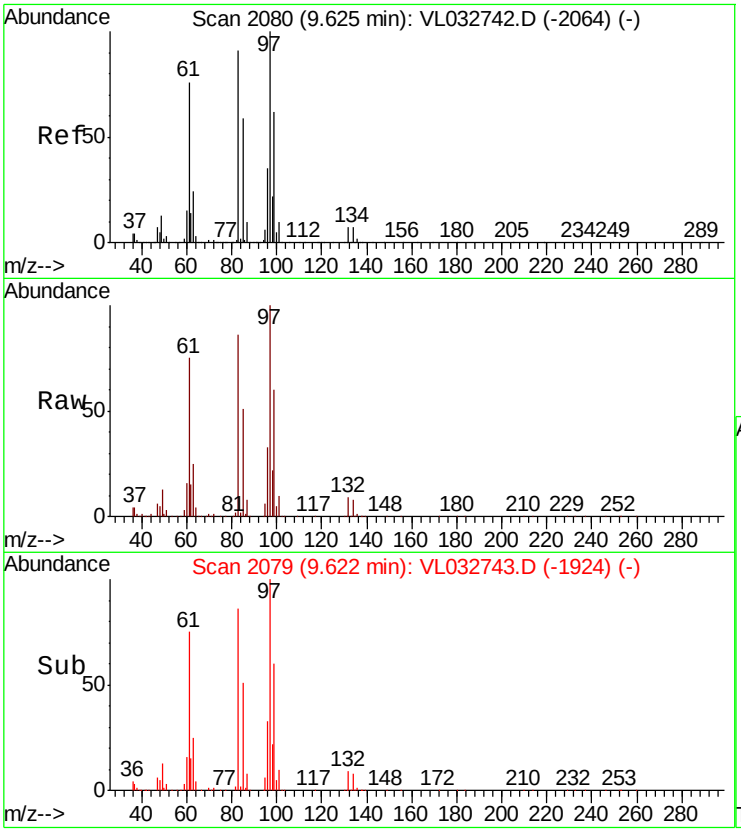


#46
cis-1,3-Dichloropropene
Concen: 2.183 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 75 Resp: 424328

Ion	Ratio	Lower	Upper
75	100		
39	59.3	55.2	82.8
77	30.2	25.8	38.6

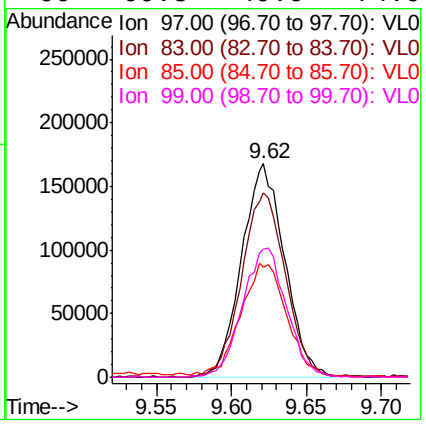




#47
1,1,2-Trichloroethane
Concen: 2.159 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 97 Resp: 334910

Ion	Ratio	Lower	Upper
97	100		
83	86.2	73.0	109.4
85	51.1	47.0	70.4
99	60.3	49.9	74.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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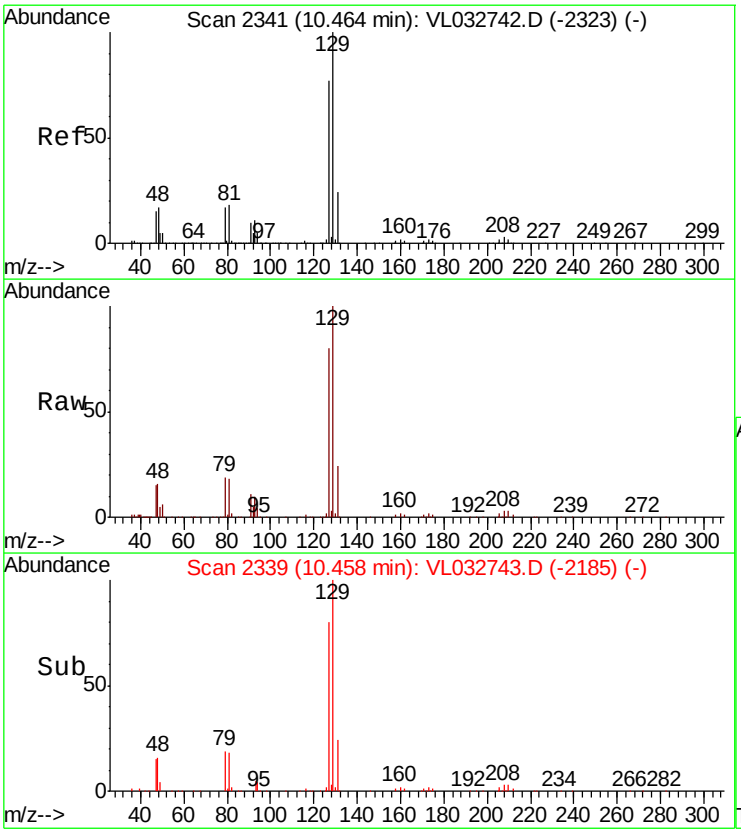
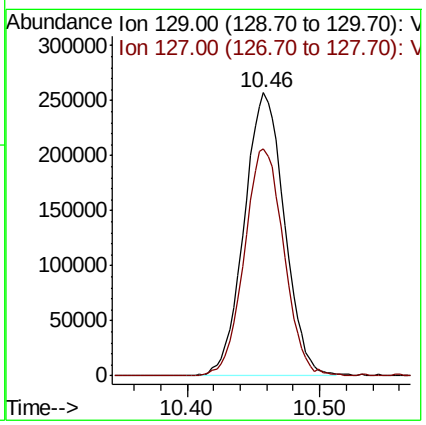
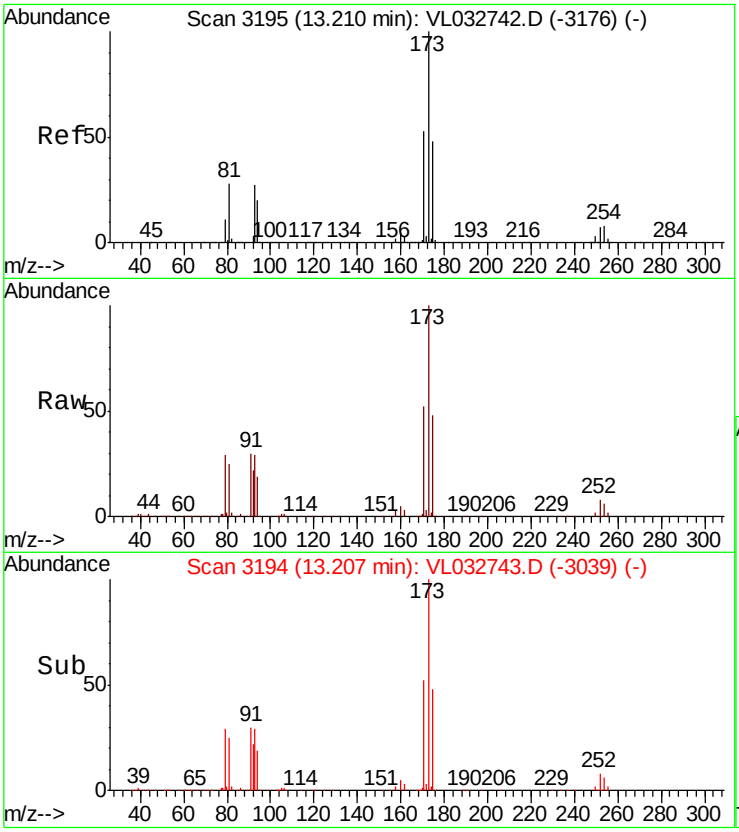


#48
Dibromochloromethane
Concen: 2.071 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:129 Resp: 541245

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.0	117.0

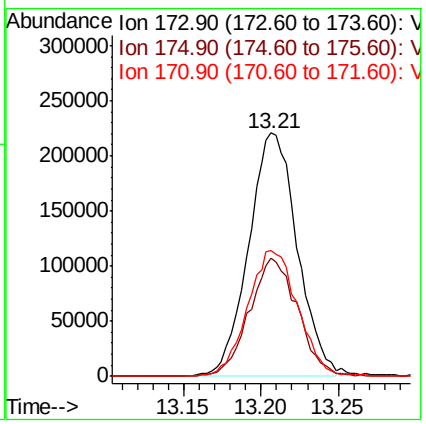




#49
Bromoform
Concen: 2.341 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:173 Resp: 480382

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.4	59.0
171	53.7	42.0	63.0



Instrument :
MSVOA_L
ClientSampleId :
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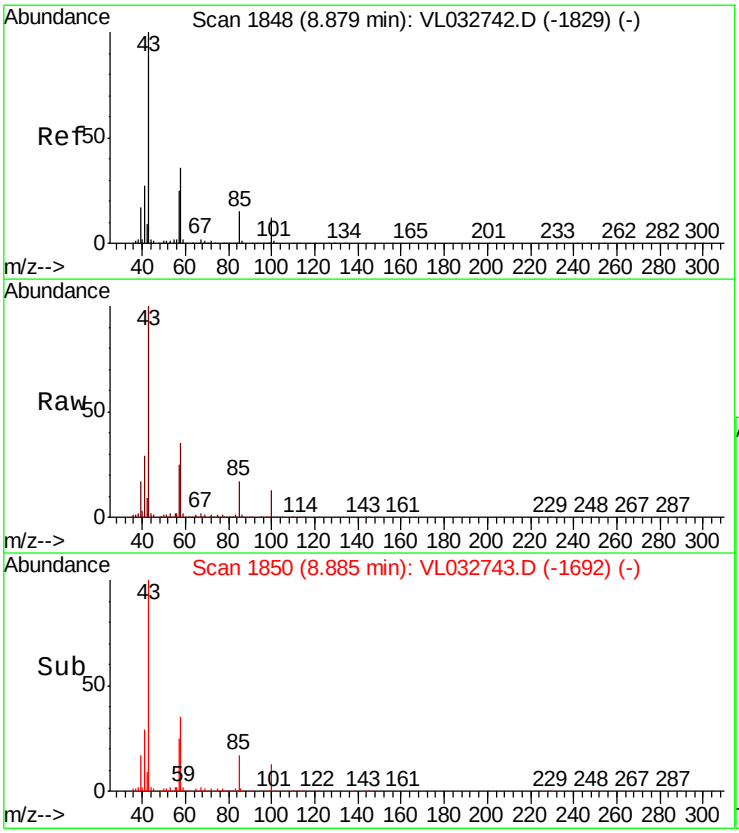
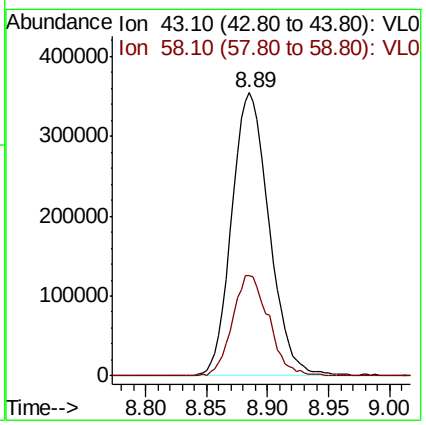
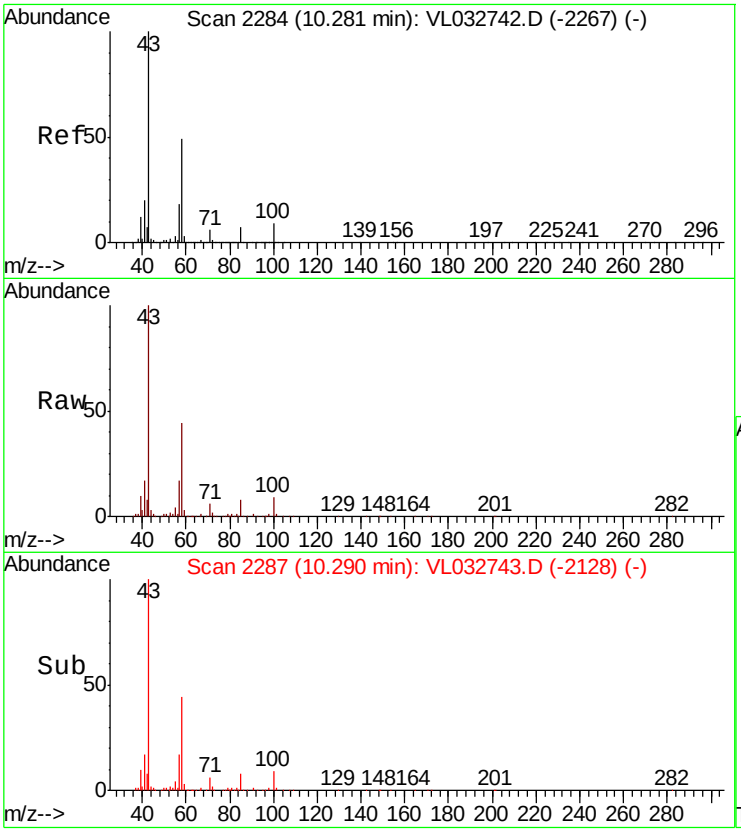


#50
4-Methyl-2-Pentanone
Concen: 2.231 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 754178

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.8	43.2

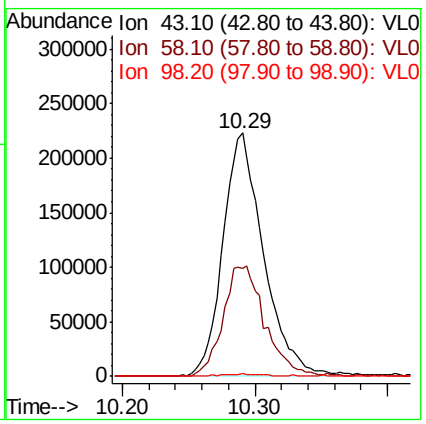




#51
2-Hexanone
Concen: 1.935 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 43 Resp: 470744

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.9	58.3
98	1.1	0.2	0.4#



Instrument :
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ClientSampleId :
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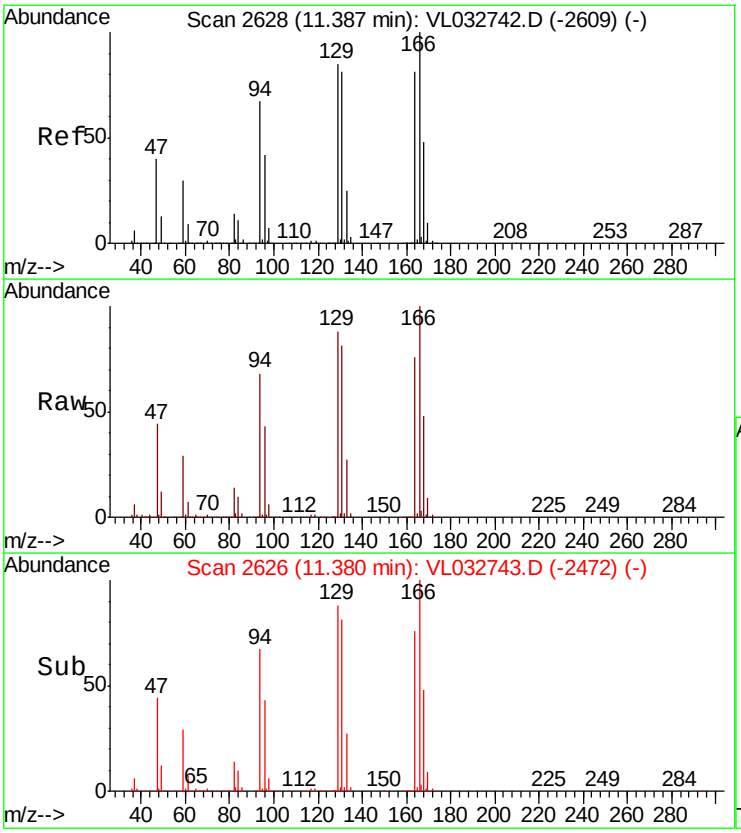
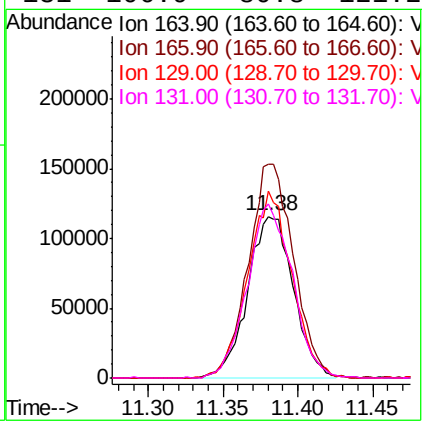
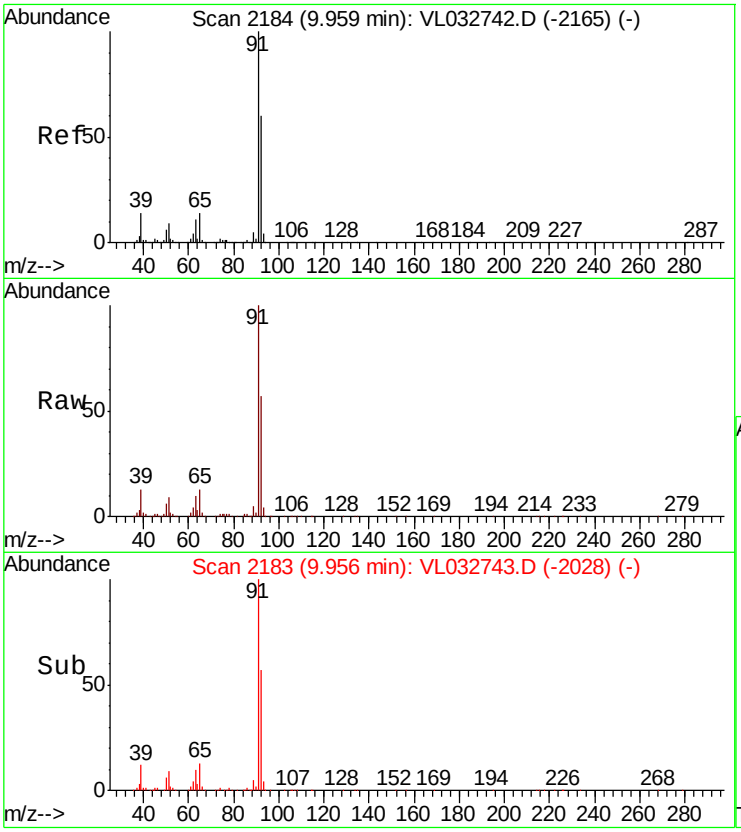


#52
Tetrachloroethene
Concen: 2.064 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:164 Resp: 246038

Ion	Ratio	Lower	Upper
164	100		
166	132.2	99.3	148.9
129	115.5	83.9	125.9
131	106.9	80.8	121.2

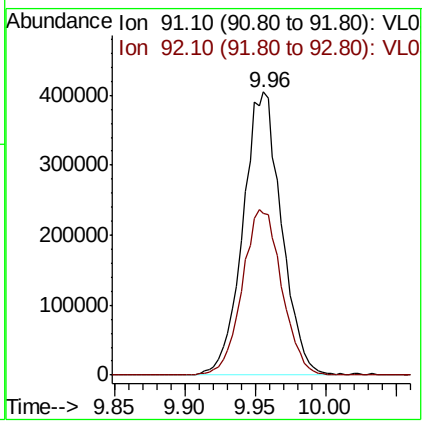




#53
Toluene
Concen: 2.011 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 773342

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
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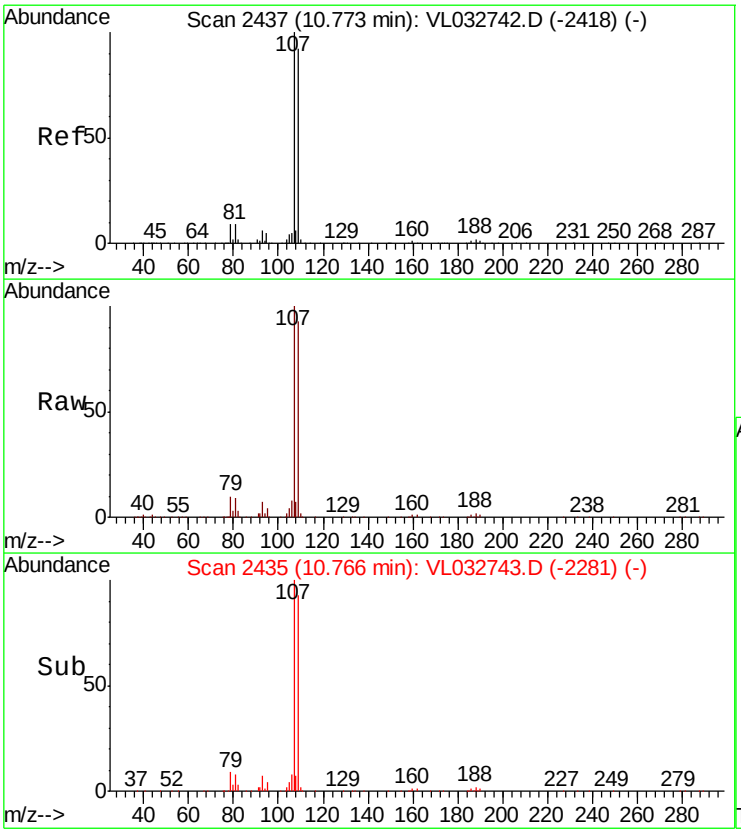
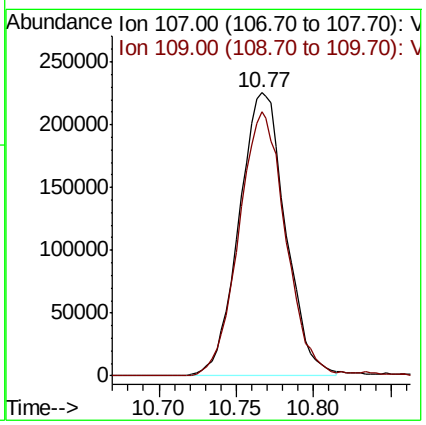
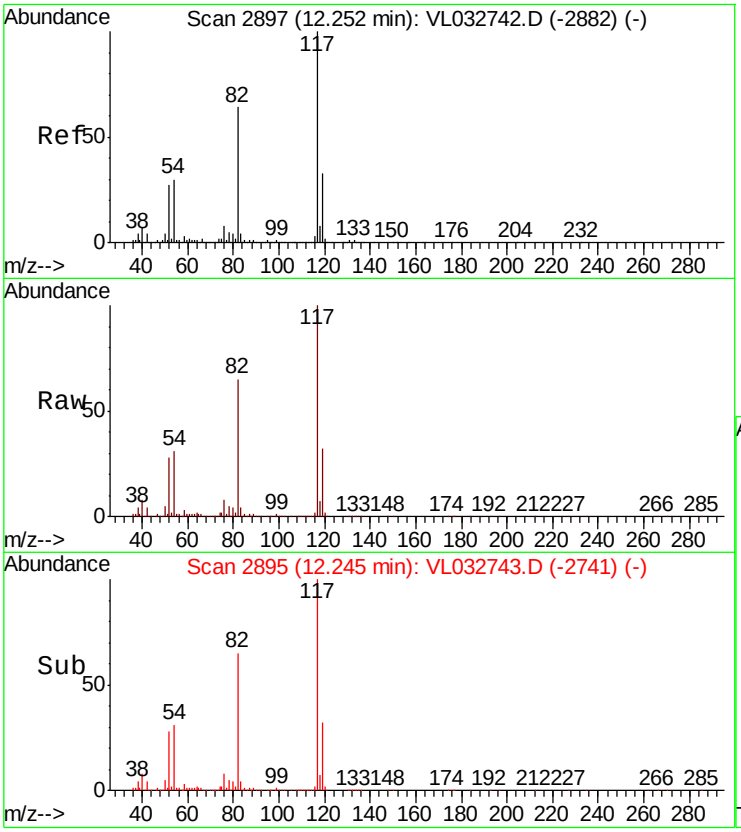


#54
1,2-Dibromoethane
Concen: 2.252 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:107 Resp: 469836

Ion	Ratio	Lower	Upper
107	100		
109	93.4	73.8	110.8

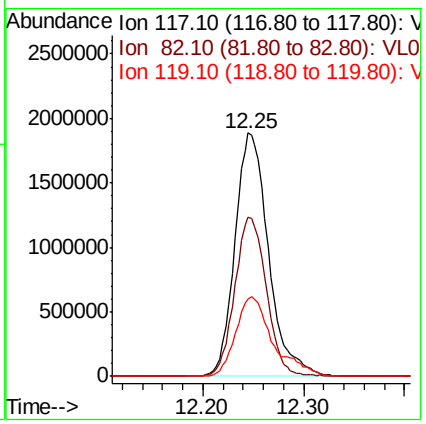




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:117 Resp: 4352065

Ion	Ratio	Lower	Upper
117	100		
82	61.9	51.0	76.6
119	36.4	28.0	42.0



Instrument :
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ClientSampleId :
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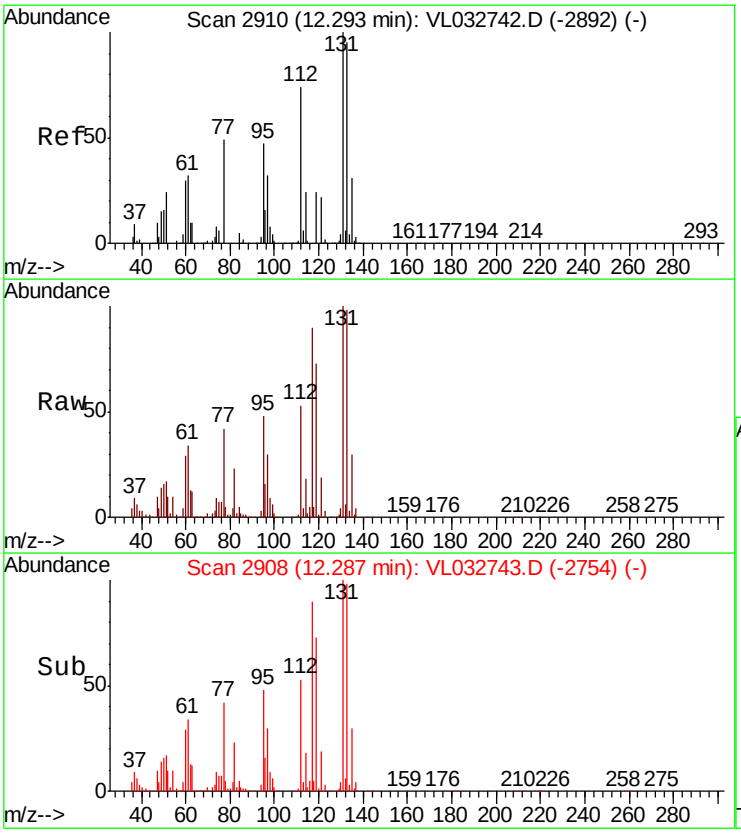
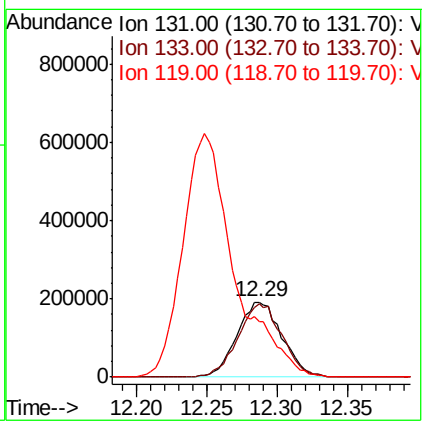
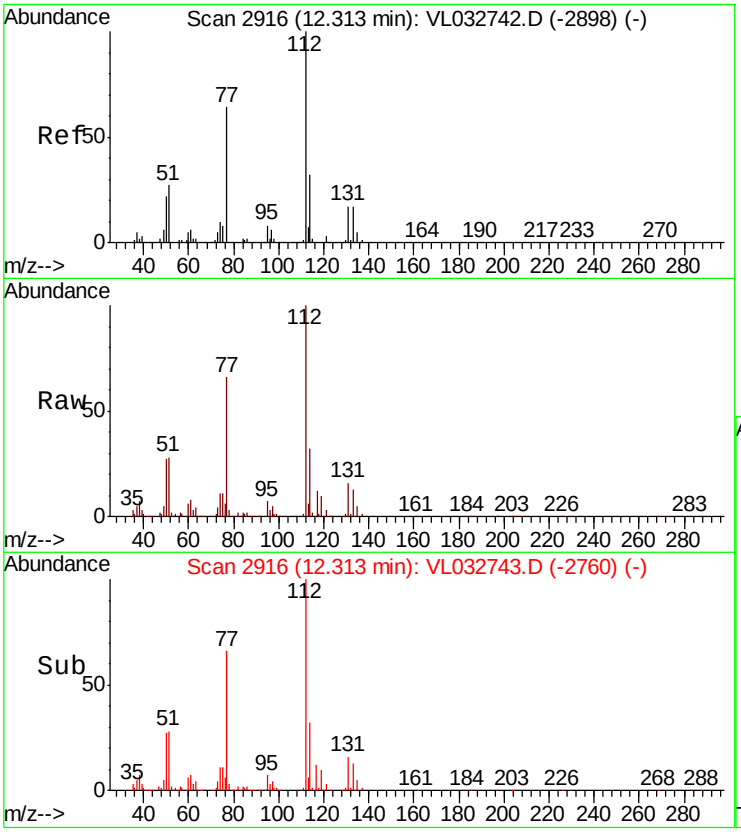


#56
1,1,1,2-Tetrachloroethane
Concen: 2.219 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:131 Resp: 428878

Ion	Ratio	Lower	Upper
131	100		
133	95.6	75.8	113.6
119	369.2	45.2	67.8#

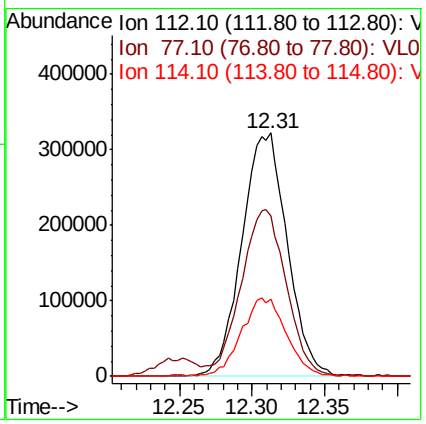




#57
Chlorobenzene
Concen: 2.167 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:112 Resp: 701578

Ion	Ratio	Lower	Upper
112	100		
77	65.3	52.3	78.5
114	31.5	28.4	34.8



Instrument :
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ClientSampleId :
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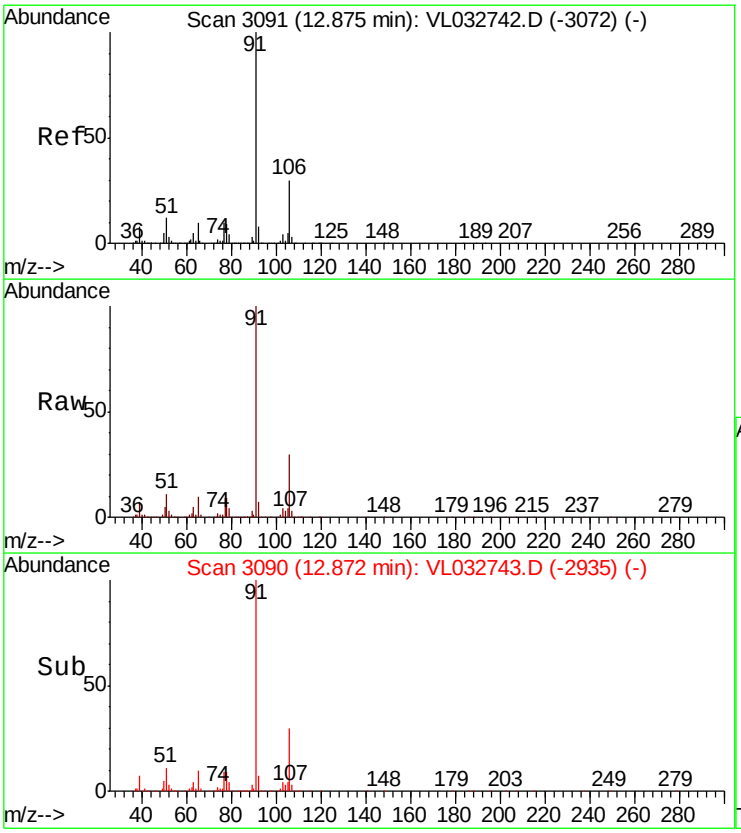
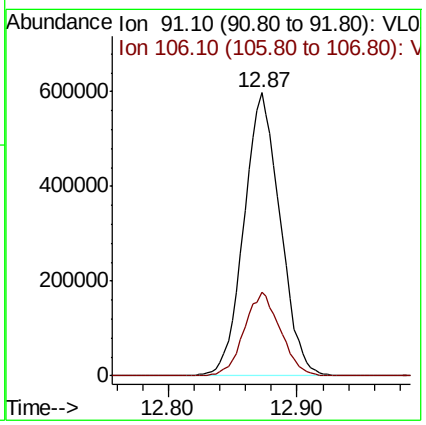
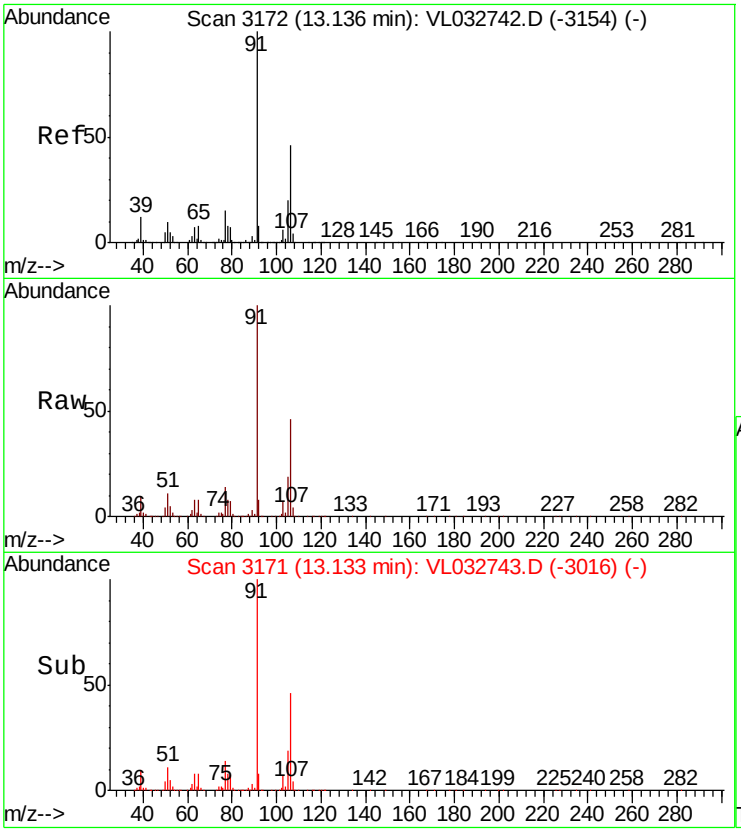


#58
Ethyl Benzene
Concen: 2.288 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 1168566

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.6	35.4





#59
m/p-Xylene
Concen: 4.526 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 2057622

Ion	Ratio	Lower	Upper
91	100		
106	43.9	36.1	54.1

Instrument :
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ClientSampleId :
VSTDICC002

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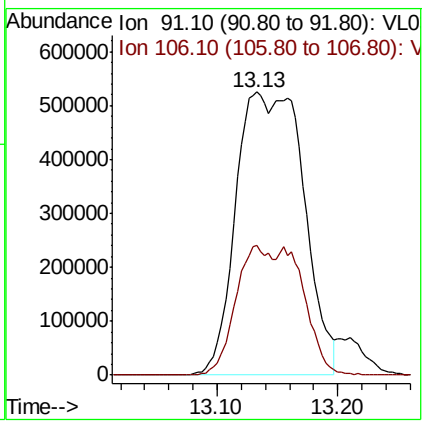
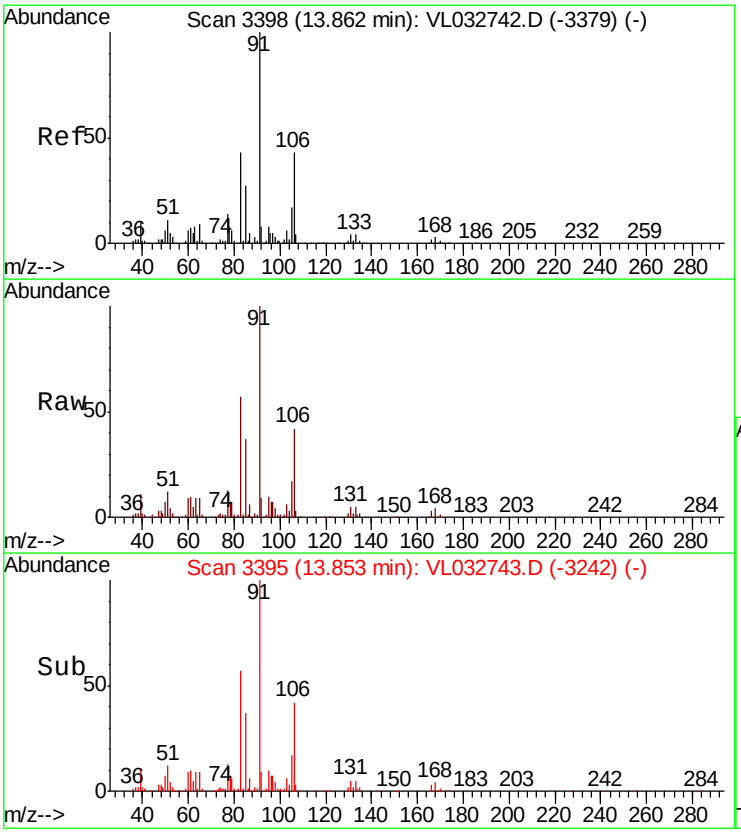
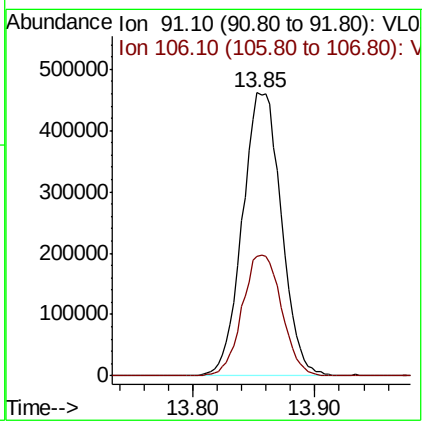


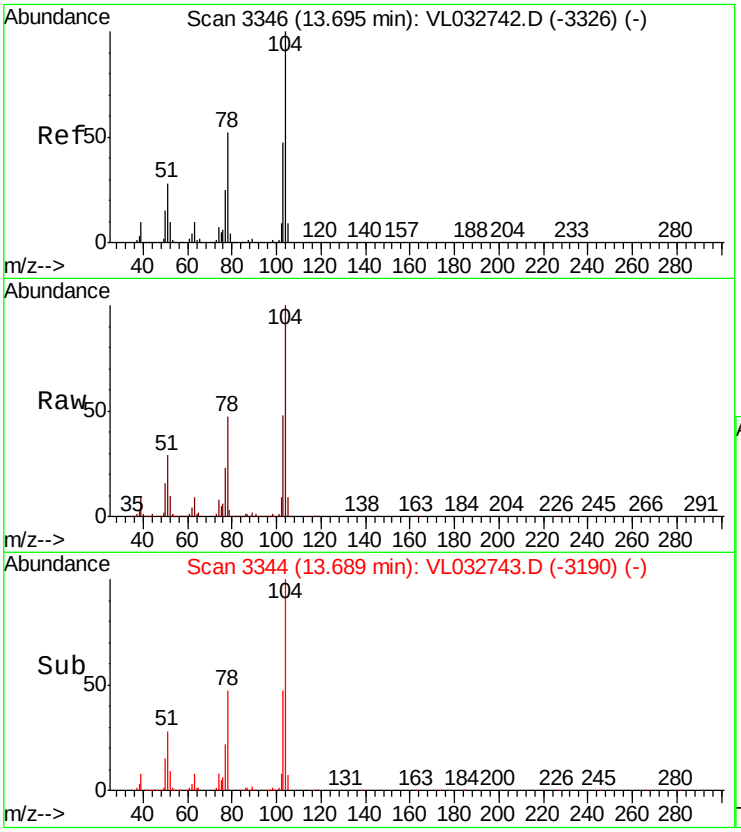


#60
o-Xylene
Concen: 2.299 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 1014975

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.9	65.7

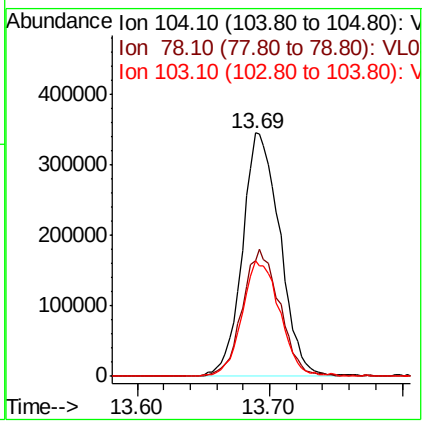




#61
Stvrene
Concen: 2.297 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:104 Resp: 678601

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	48.0	38.2	57.2



Instrument :
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ClientSampleId :
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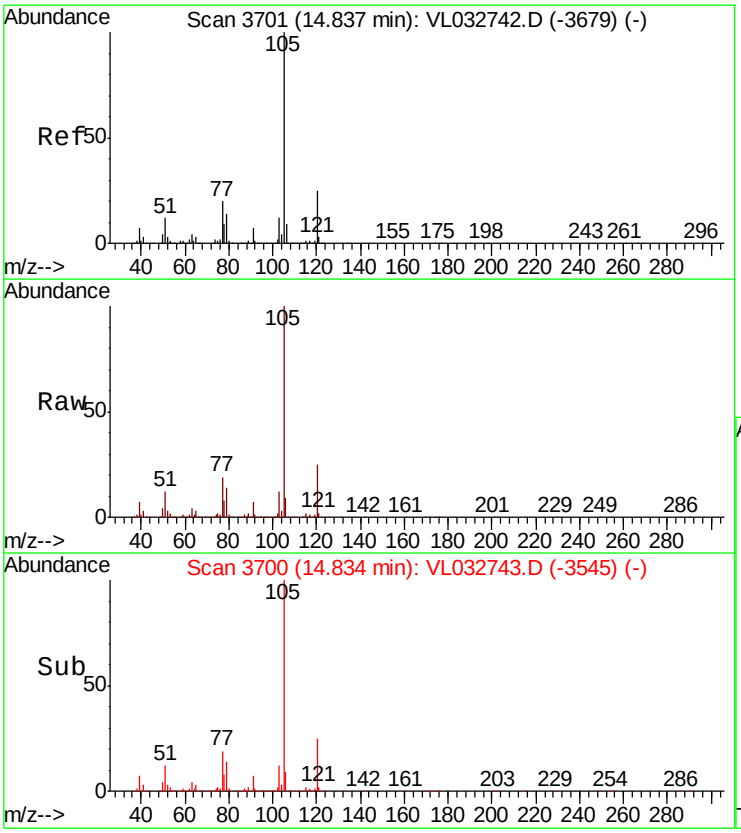
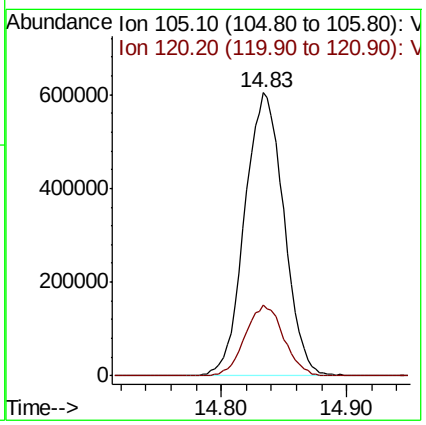
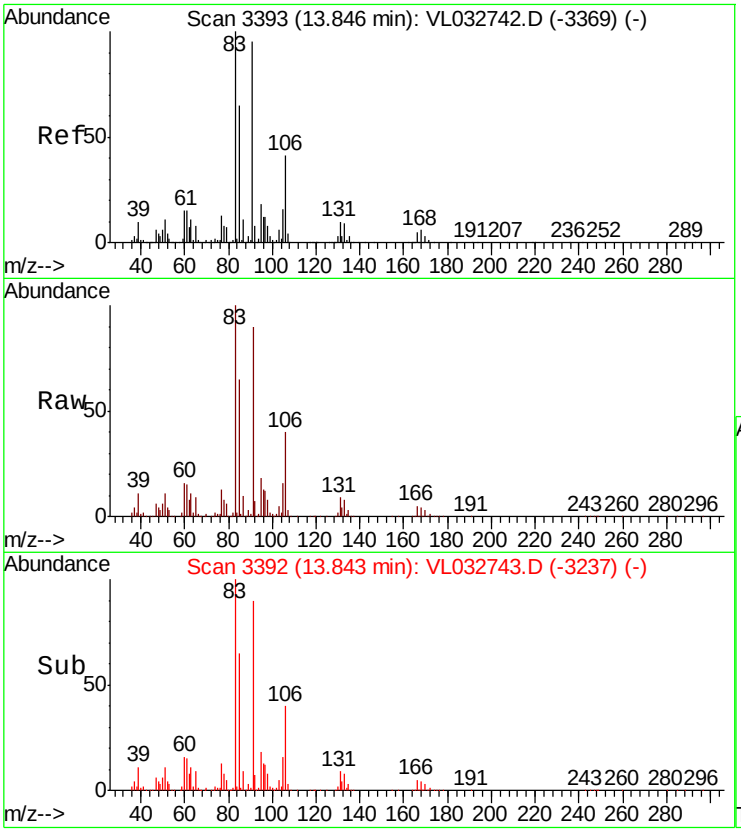


#62
Isopropylbenzene
Concen: 2.090 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1303799

Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.1	30.1

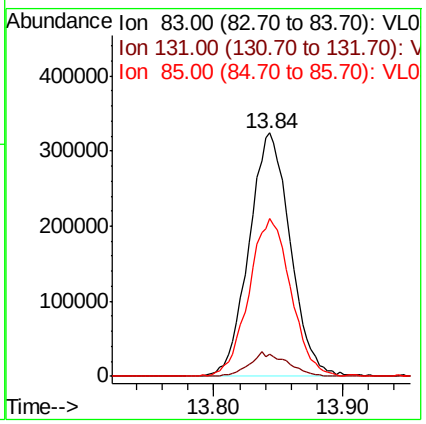




#63
1,1,2,2-Tetrachloroethane
Concen: 2.099 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 83 Resp: 720640

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	66.4	32.5	97.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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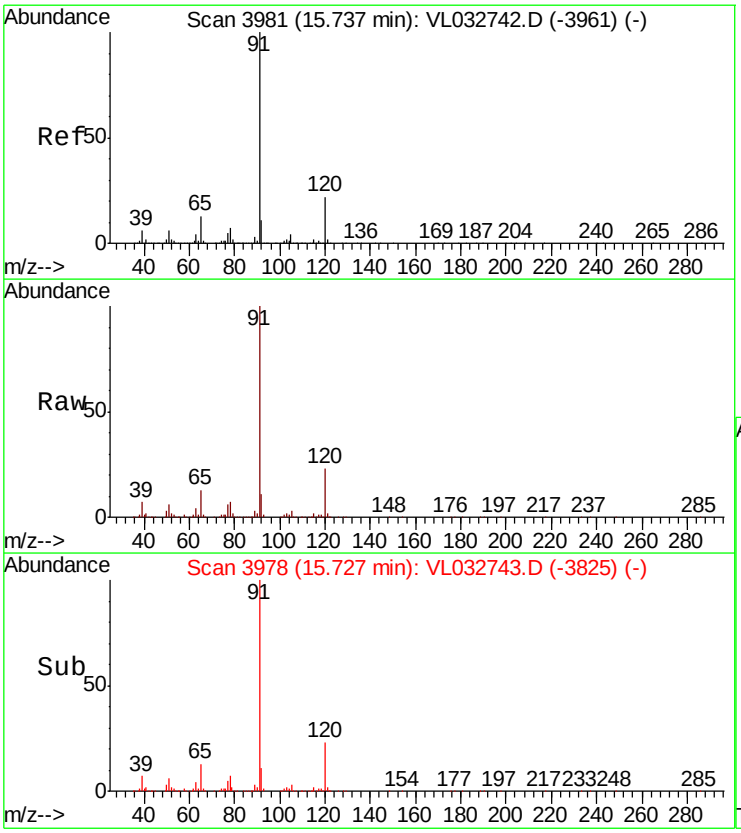
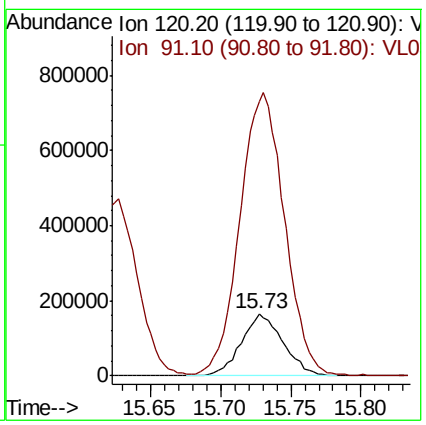
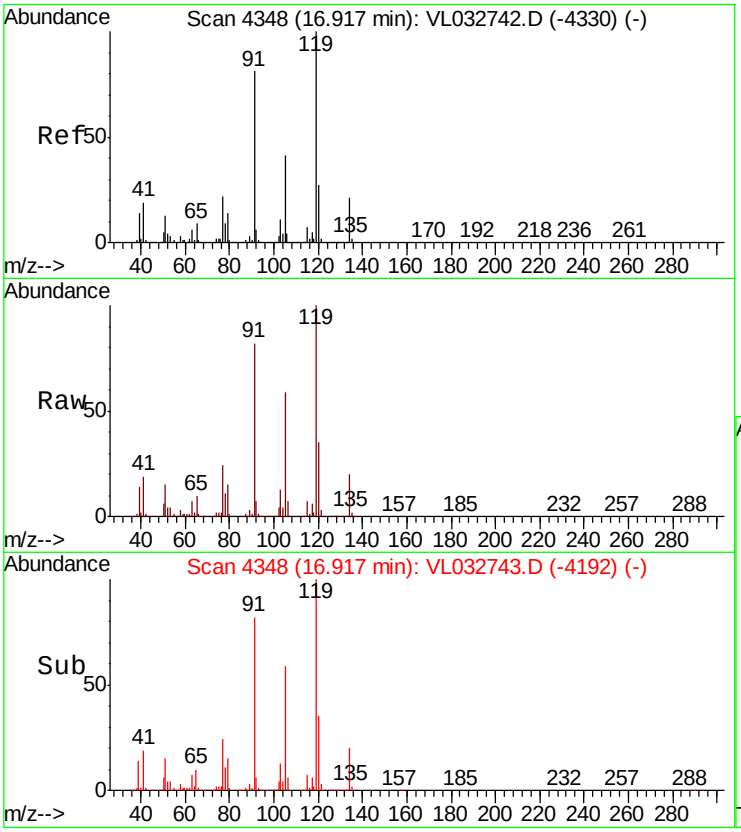


#64
n-propylbenzene
Concen: 2.187 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:120 Resp: 341588

Ion	Ratio	Lower	Upper
120	100		
91	487.3	381.7	572.5

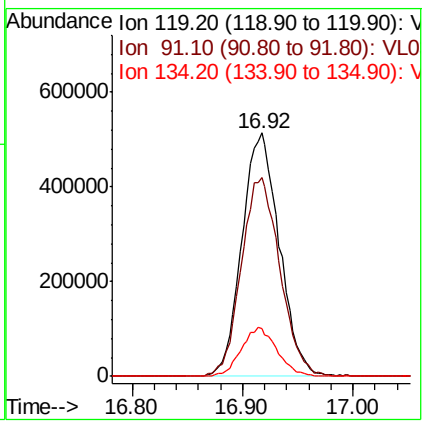




#65
tert-Butylbenzene
Concen: 2.245 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:119 Resp: 1206886

Ion	Ratio	Lower	Upper
119	100		
91	84.6	65.6	98.4
134	19.2	15.9	23.9



Instrument :
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ClientSampleId :
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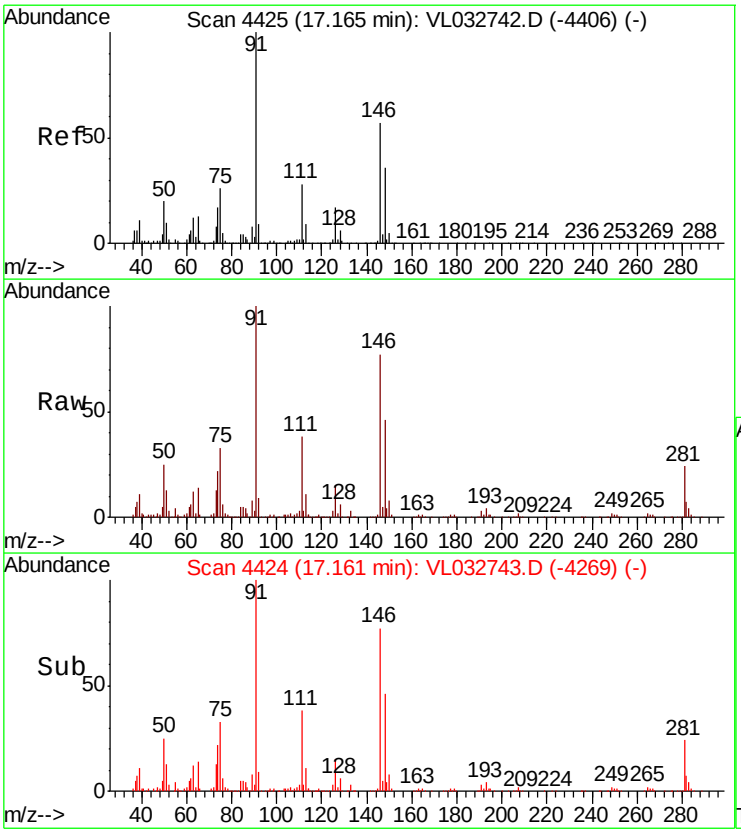
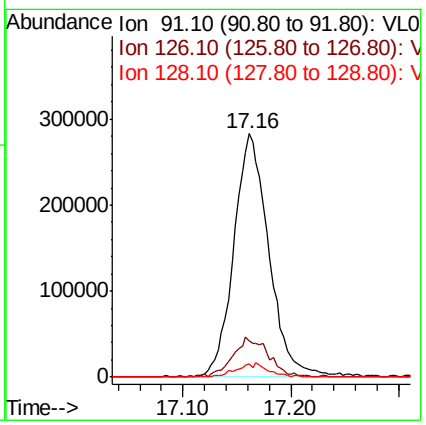
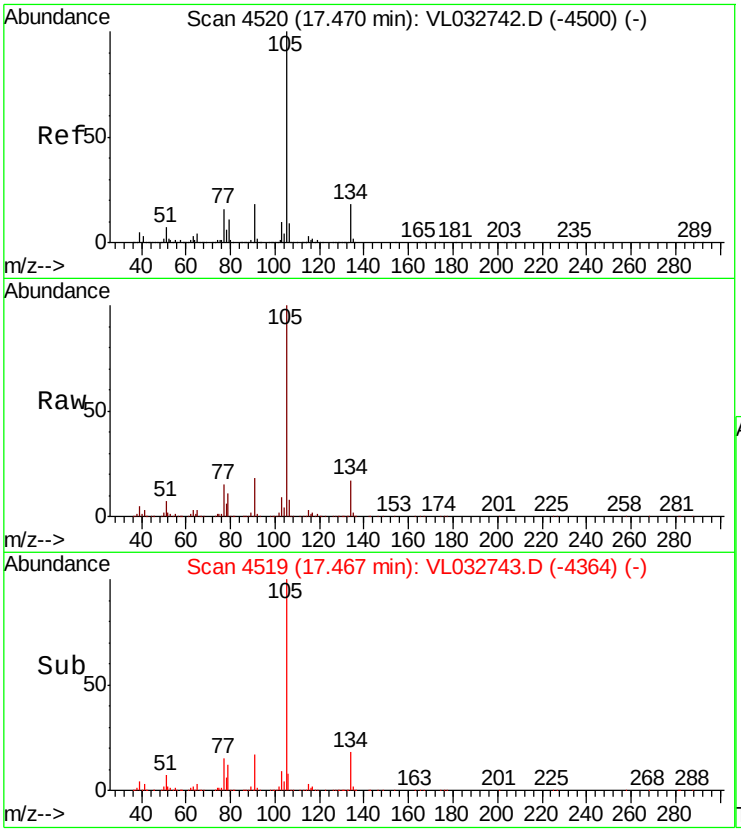


#66
Benzyl Chloride
Concen: 2.263 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 635242

Ion	Ratio	Lower	Upper
91	100		
126	17.2	14.2	21.2
128	5.3	4.5	6.7





#67
sec-Butylbenzene
Concen: 2.267 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1730105

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	21.8

Instrument :
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ClientSampleId :
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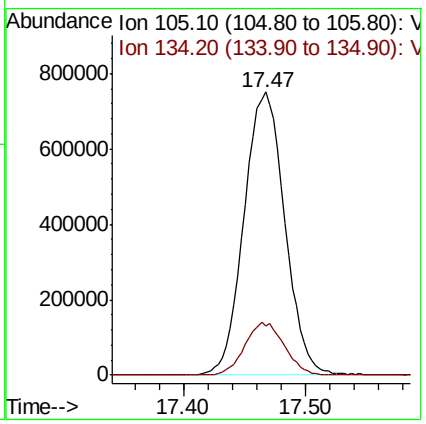
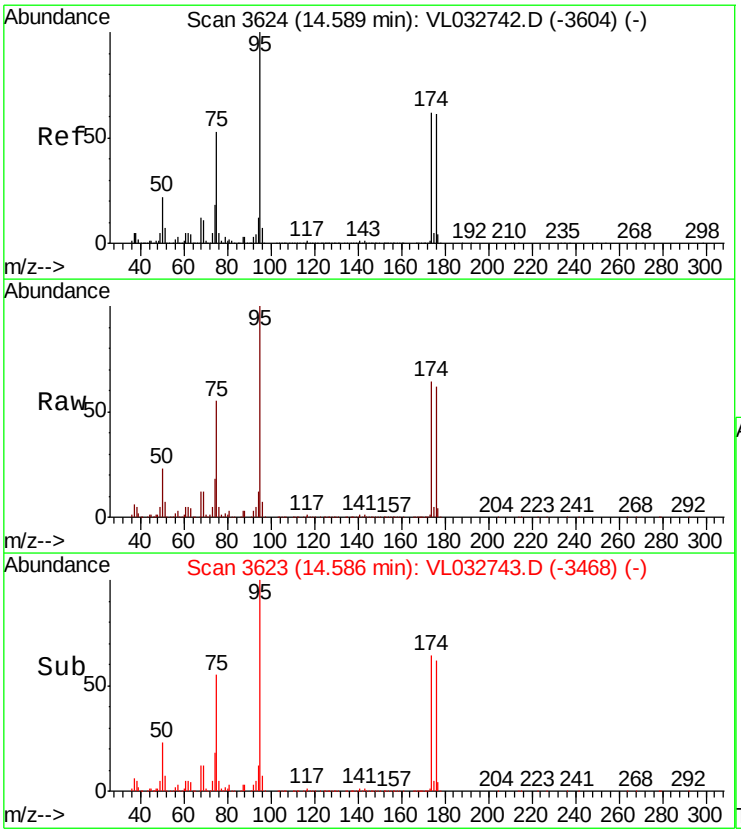
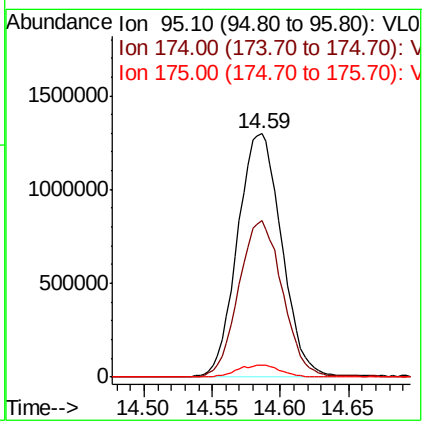


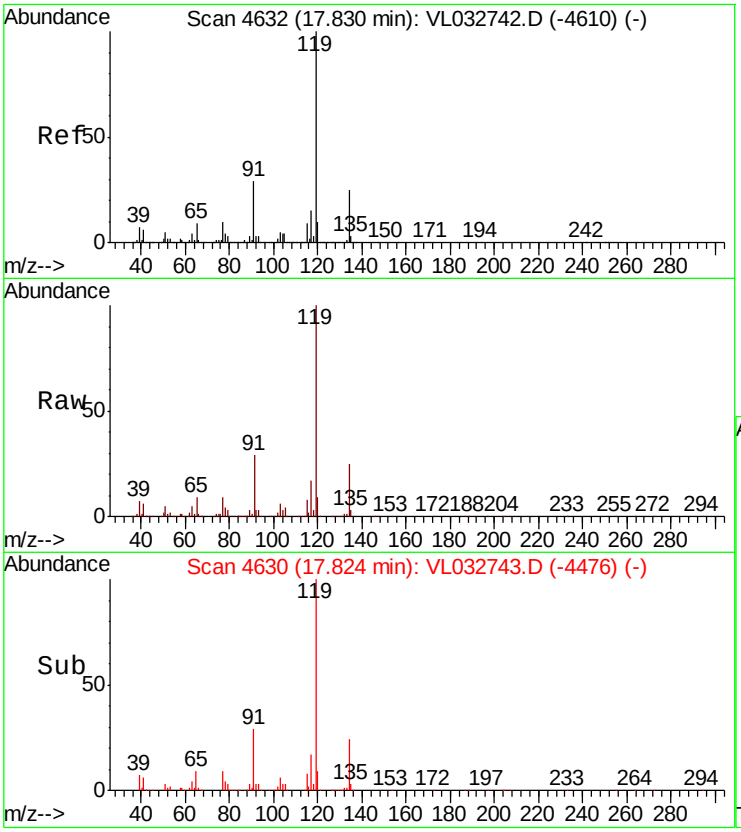


#68
1-Bromo-4-Fluorobenzene
Concen: 8.859 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 95 Resp: 2905778

Ion	Ratio	Lower	Upper
95	100		
174	64.3	50.7	76.1
175	4.8	3.8	5.6

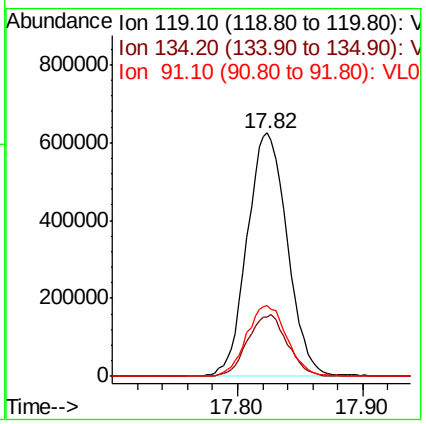




#69
p-Isopropyltoluene
Concen: 2.287 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:119 Resp: 1386331

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.4
91	29.5	23.5	35.3



Instrument :
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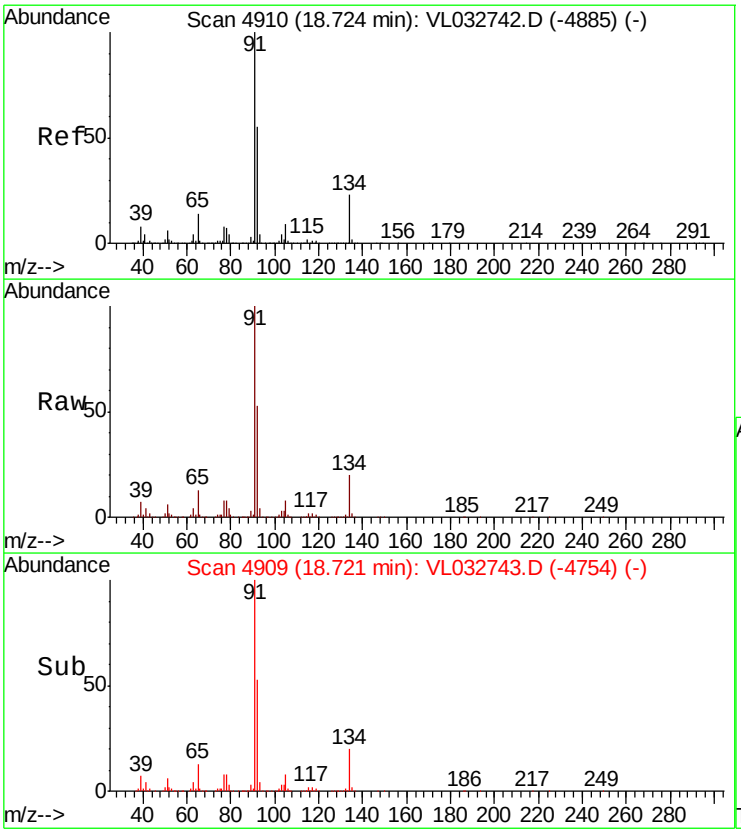
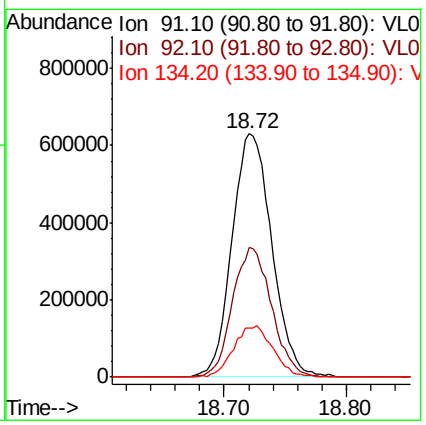
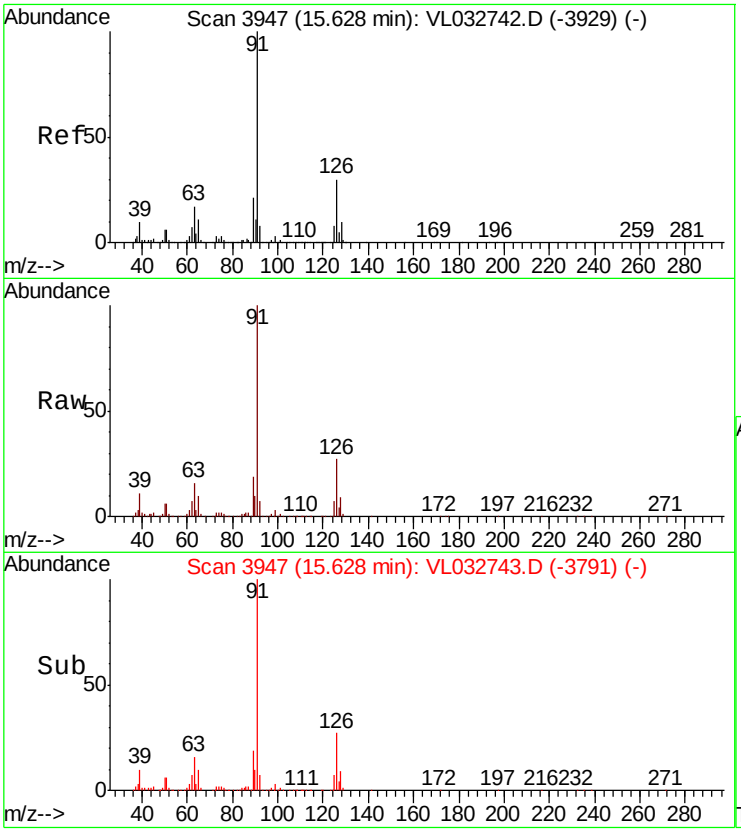


#70
n-Butylbenzene
Concen: 2.282 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 1418650

Ion	Ratio	Lower	Upper
91	100		
92	52.7	42.9	64.3
134	20.8	17.8	26.8

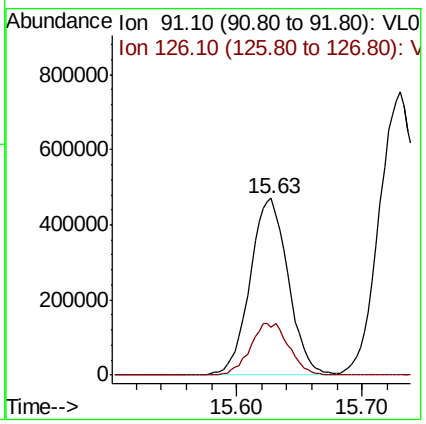




#71
2-Chlorotoluene
Concen: 2.217 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion: 91 Resp: 993114

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.1	48.5



Instrument :
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ClientSampleId :
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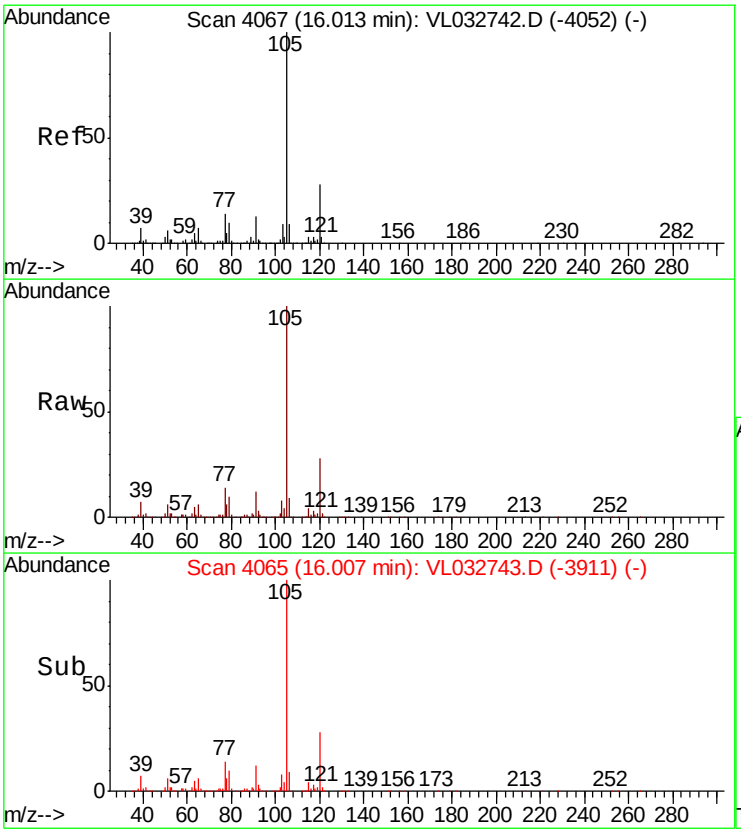
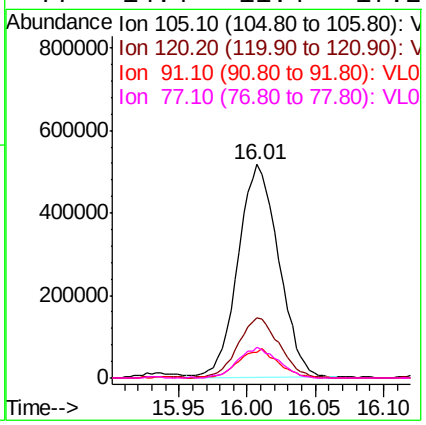
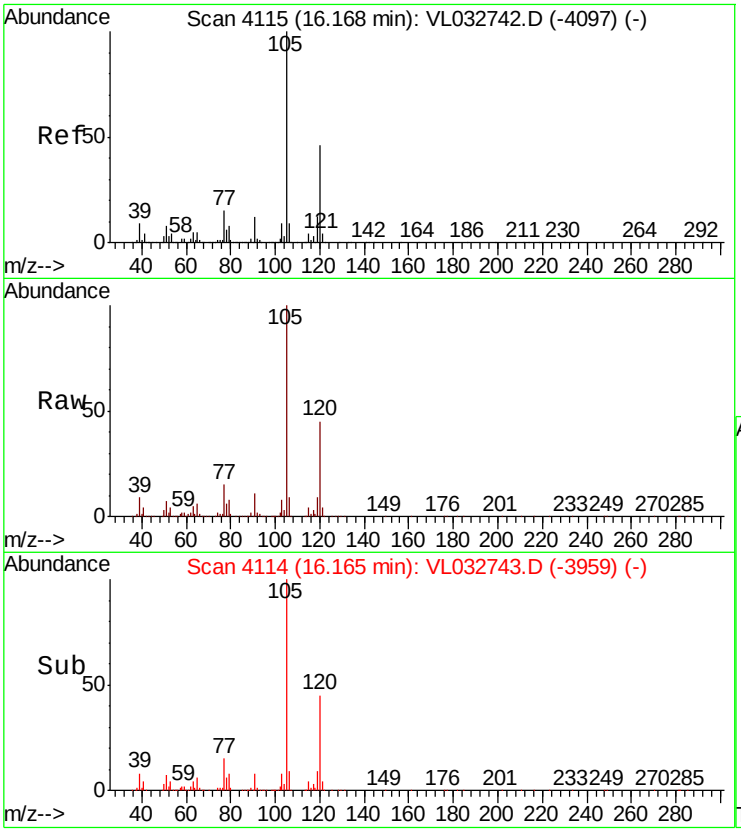


#72
4-Ethyltoluene
Concen: 2.259 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1073806

Ion	Ratio	Lower	Upper
105	100		
120	29.1	22.9	34.3
91	13.1	10.6	15.8
77	14.4	11.4	17.2

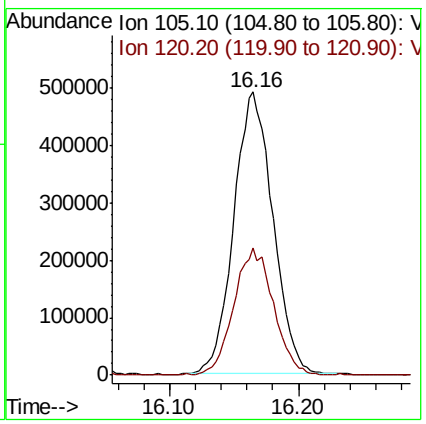




#73
1,3,5-Trimethylbenzene
Concen: 2.231 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1033486

Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.6	55.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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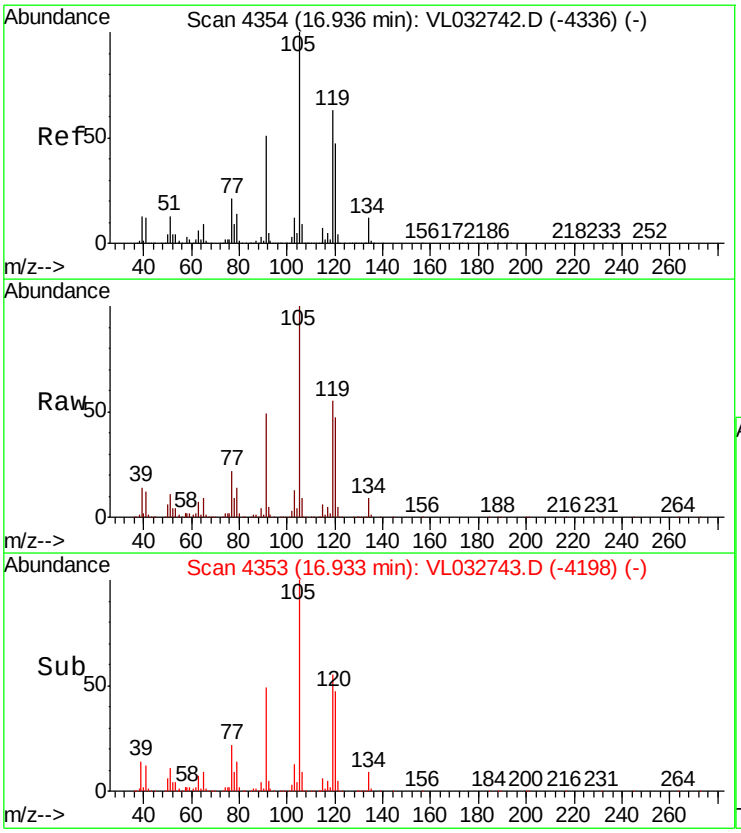
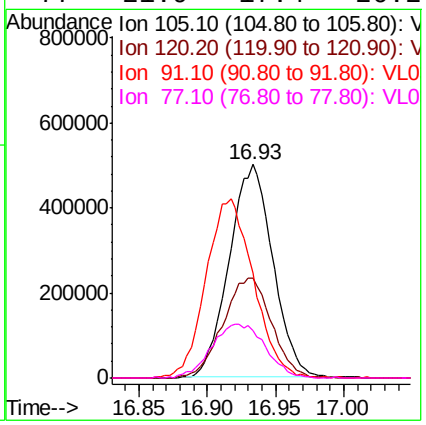
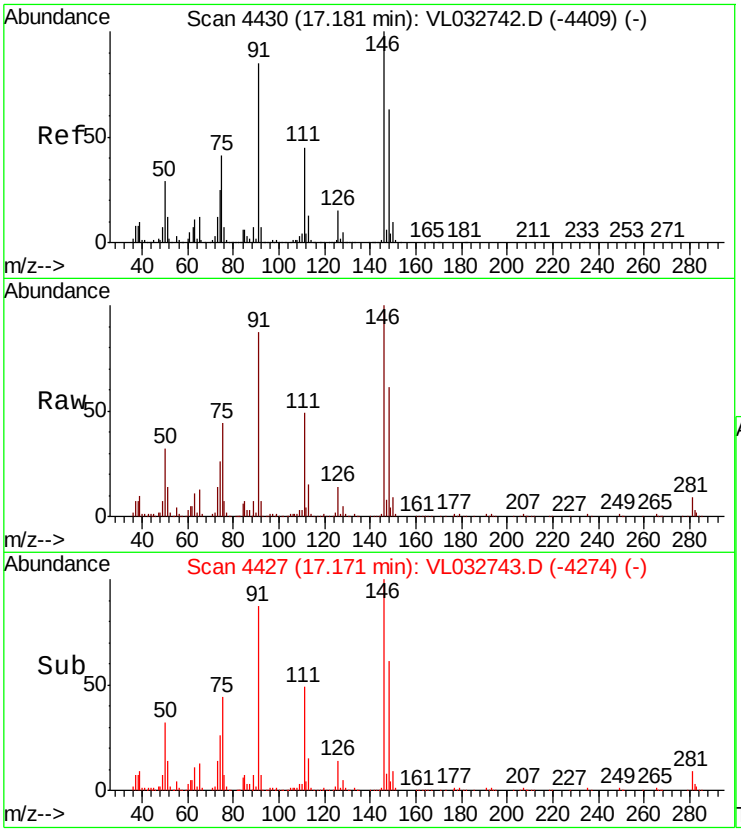


#74
1,2,4-Trimethylbenzene
Concen: 2.249 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:105 Resp: 1111320

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.6	56.4
91	48.6	42.5	63.7
77	21.9	17.4	26.2

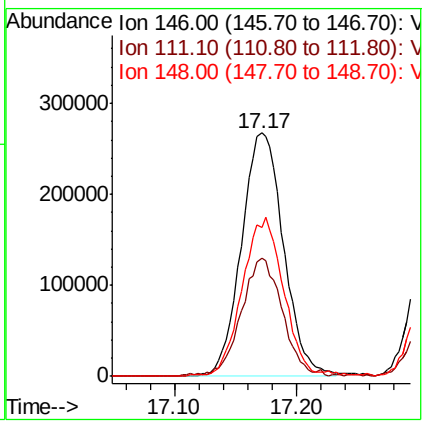




#75
1,3-Dichlorobenzene
Concen: 2.240 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:146 Resp: 637498

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.5	70.6
148	64.8	31.8	95.3



Instrument :
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ClientSampleId :
VSTDICC002

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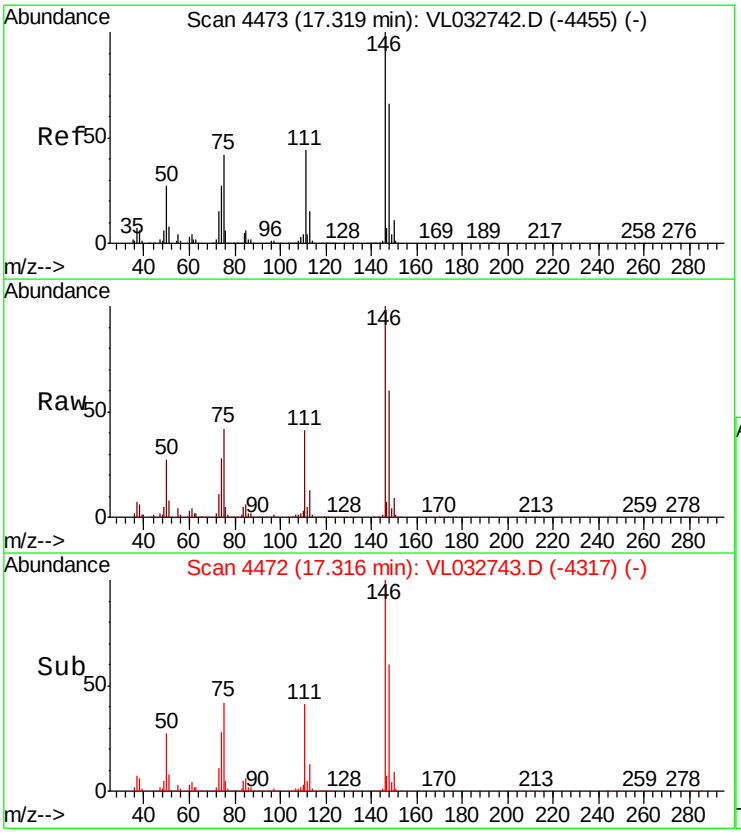
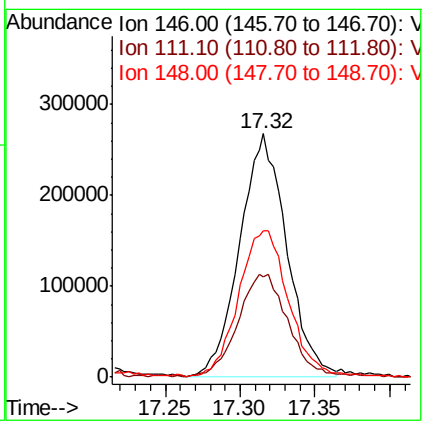
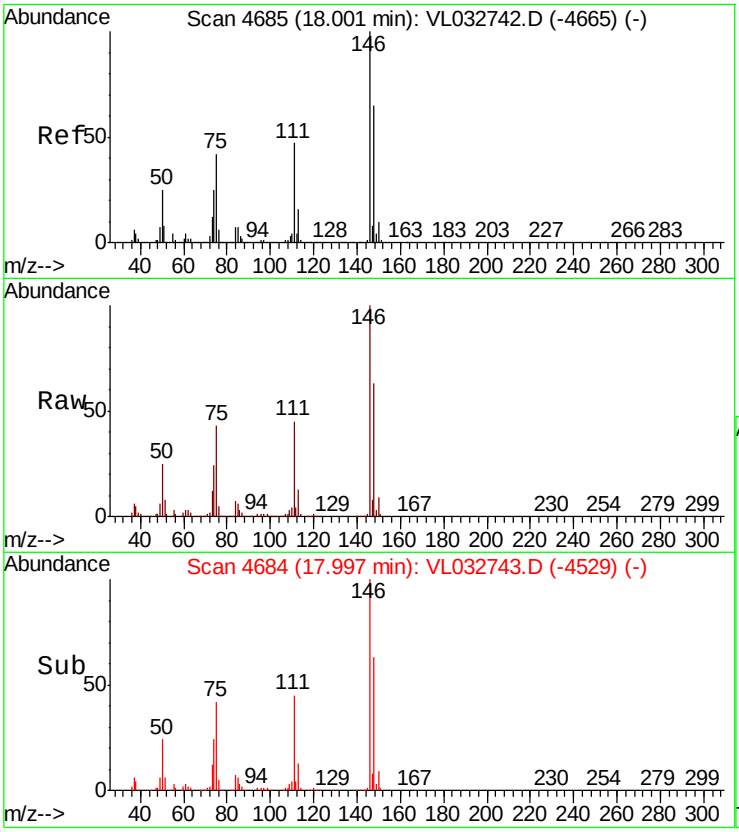


#76
1,4-Dichlorobenzene
Concen: 2.208 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:146 Resp: 581123

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.5	67.5
148	64.5	32.5	97.5

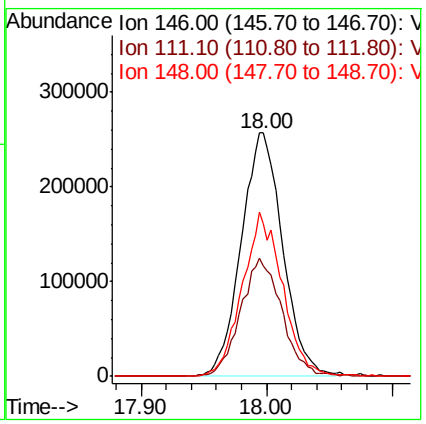




#77
1,2-Dichlorobenzene
Concen: 2.201 ppbv
RT: 18.00 min Scan# 4684
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:146 Resp: 590953

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.2
148	65.7	32.2	96.6



Instrument :
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ClientSampleId :
VSTDICC002

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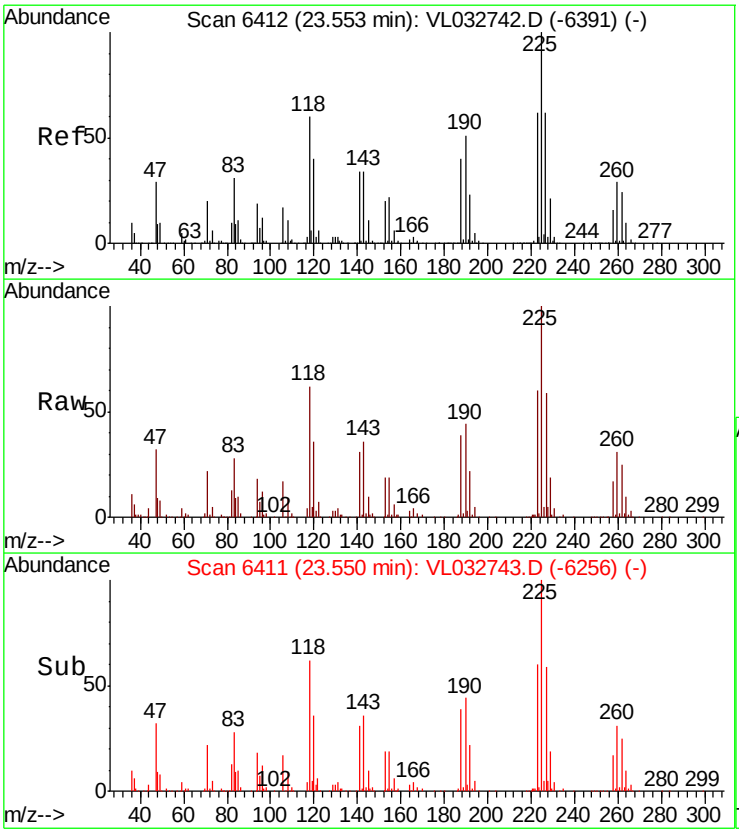
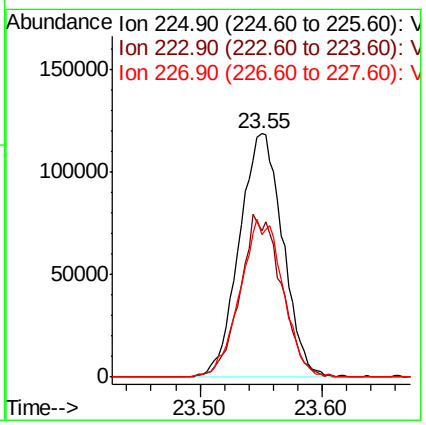
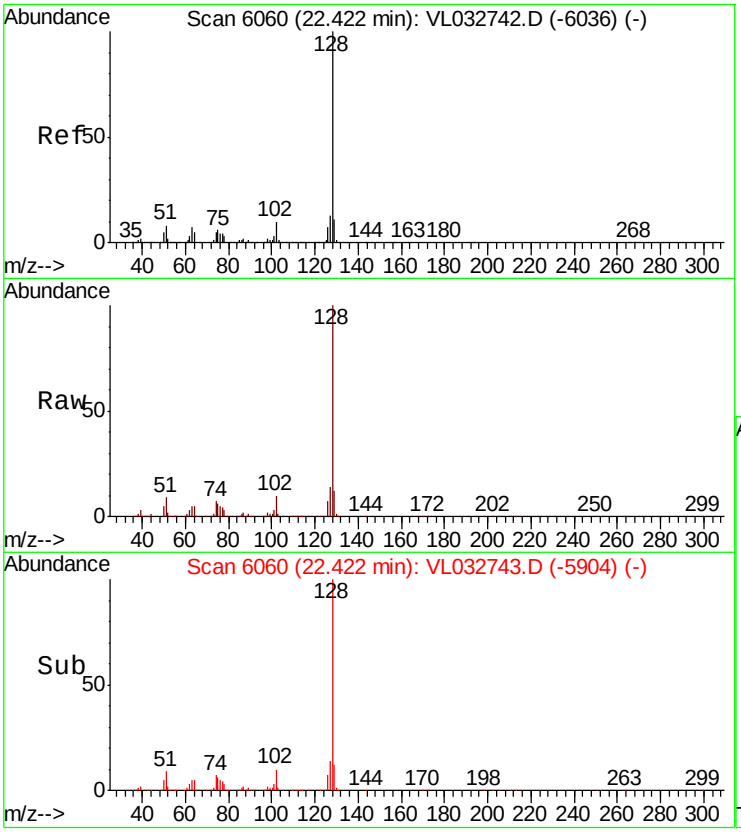


#78
Hexachloro-1,3-Butadiene
Concen: 2.144 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. -0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:225 Resp: 291677

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	64.2	50.2	75.4

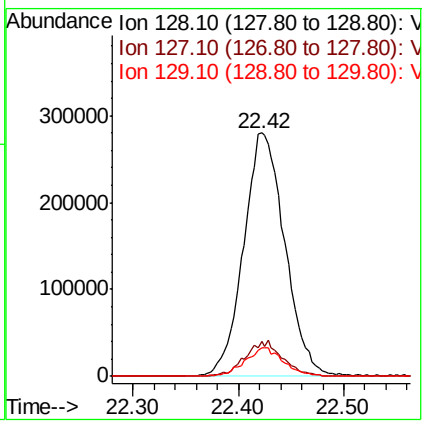




#79
Naphthalene
Concen: 2.447 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:128 Resp: 760406

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.1	15.1
129	11.6	8.9	13.3



Instrument :
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ClientSampleId :
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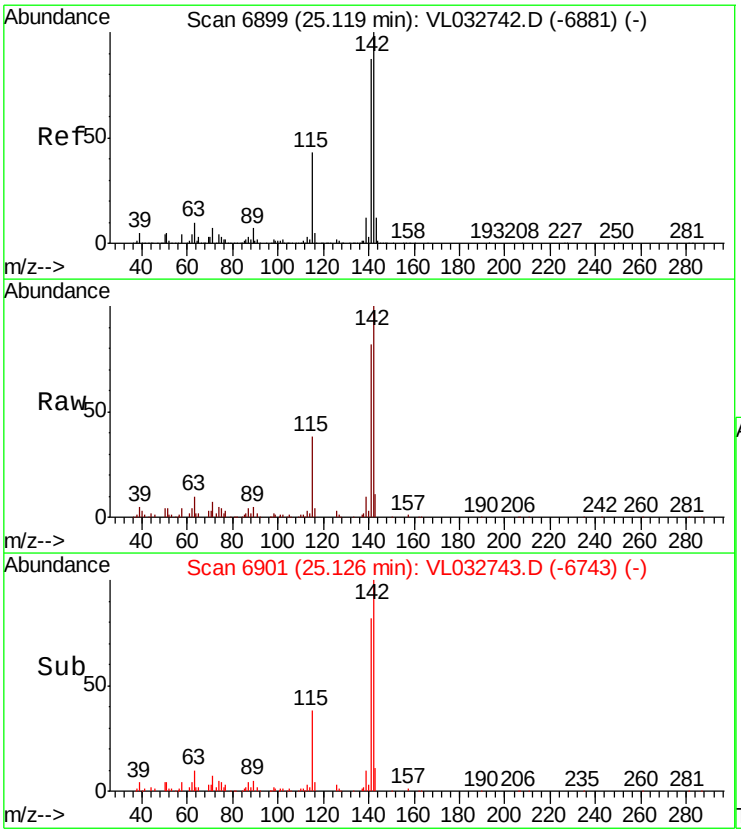
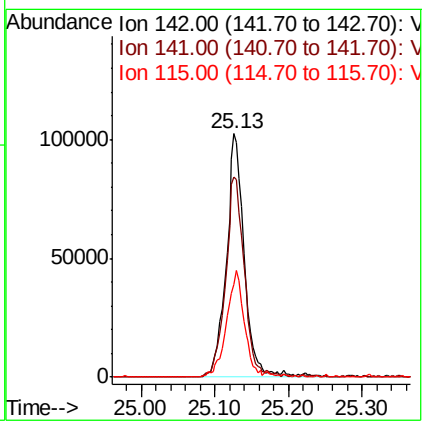
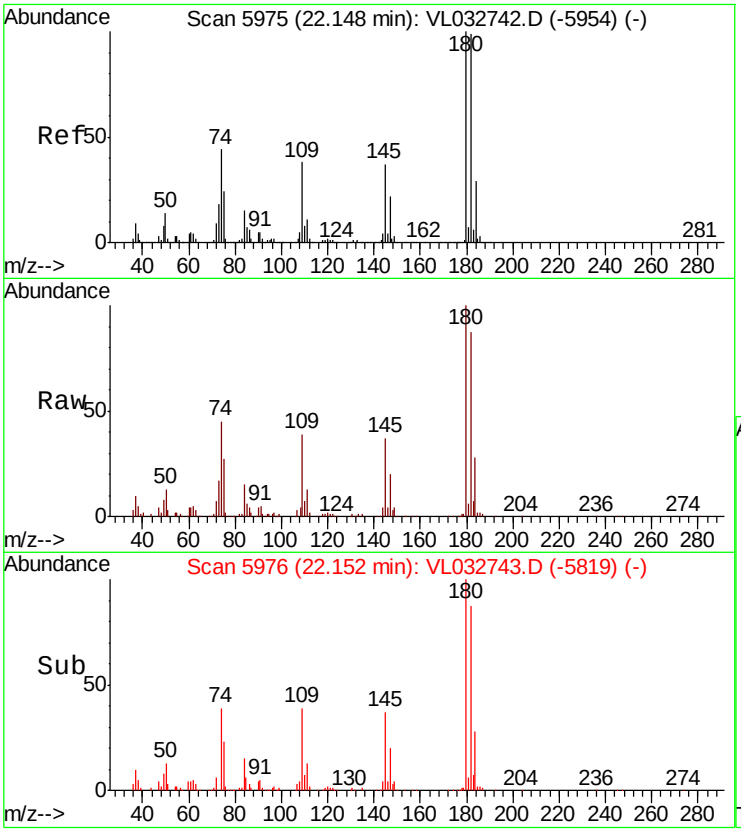


#80
Naphthalene,2-methyl-
Concen: 2.329 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:142 Resp: 173249

Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.7	103.1
115	44.6	35.5	53.3

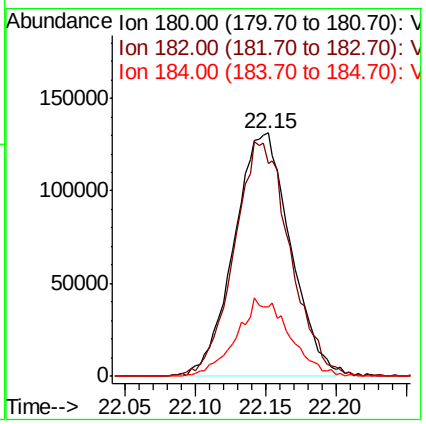




#81
1,2,4-Trichlorobenzene
Concen: 2.304 ppbv
RT: 22.15 min Scan# 5976
Delta R.T. 0.00 min
Lab File: VL032743.D
Acq: 14 Nov 2018 3:08

Tgt Ion:180 Resp: 366206

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.3	115.9
184	30.2	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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