Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026650.D
Acq On : 8 Jan 2016 17:22
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: Jan 08 22:35:00 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 0
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.63	49	866063	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.30	114	2583581	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.72	117	3276884	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	2643267	10.01	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.63	85	127176	0.55	ppbv		95
3) Chlorodifluoromethane	3.56	51	63093	0.58	ppbv		98
4) Chloromethane	3.73	50	29694	0.53	ppbv		93
5) Vinyl Chloride	3.88	62	31124	0.49	ppbv		95
6) Bromomethane	4.14	94	26573	0.56	ppbv		81
7) Chloroethane	4.23	64	14120	0.49	ppbv		100
8) Dichlorotetrafluoroethane	3.79	85	95487	0.54	ppbv		95
9) Propene	3.59	41	20434	0.49	ppbv		93
10) Heptane	9.33	43	74992	0.49	ppbv		87
11) Trichlorofluoromethane	4.68	101	128879	0.56	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	80114	0.57	ppbv		100
13) Ethanol	4.34	45	4029	0.46	ppbv		96
14) Bromoethene	4.44	108	27254	0.51	ppbv	#	96
15) Acetone	4.60	43	79840	0.63	ppbv	#	74
16) 1,3-Butadiene	3.95	39	29321	0.52	ppbv		98
17) tert-Butyl alcohol	5.15	59	53937m	0.46	ppbv		
18) 1,1-Dichloroethene	5.07	96	32140	0.53	ppbv		97
19) Isopropyl Alcohol	4.77	45	29395m	0.42	ppbv		
20) Methylene Chloride	5.14	84	32845	0.60	ppbv		88
21) Allyl Chloride	5.21	41	44955	0.51	ppbv		85
22) trans-1,2-Dichloroethene	5.75	96	35667	0.51	ppbv		95
23) Vinyl Acetate	5.97	43	102555	0.45	ppbv	#	96
24) 1,1-Dichloroethane	5.89	63	86381	0.56	ppbv		99
25) Ethyl Acetate	6.67	43	105704	0.48	ppbv		98
26) Hexane	6.64	57	55929	0.50	ppbv		95
27) Carbon Disulfide	5.37	76	80206	0.46	ppbv		95
28) Methyl tert-Butyl Ether	5.95	73	110886	0.49	ppbv		98
29) Chloroform	6.73	83	111484	0.56	ppbv		95
30) Cyclohexane	8.26	84	51879	0.46	ppbv	#	31
31) cis-1,2-Dichloroethene	6.49	61	54088	0.46	ppbv		91
32) 1,1,1-Trichloroethane	7.57	97	109831	0.52	ppbv		98
34) 2-Butanone	6.20	43	70671	0.52	ppbv		99
35) Carbon Tetrachloride	8.14	117	108032	0.51	ppbv		96
36) Benzene	8.00	78	129649	0.50	ppbv		96
37) 1,2-Dichloroethane	7.34	62	93921	0.53	ppbv		97
38) Trichloroethene	9.04	130	57618	0.57	ppbv		93
39) 1,2-Dichloropropane	8.80	63	45919	0.51	ppbv		87
40) 1,4-Dioxane	9.16	88	6892m	0.24	ppbv		
41) Tetrahydrofuran	7.14	42	28607	0.40	ppbv		98
42) Bromodichloromethane	9.00	83	114124	0.49	ppbv		95
43) Methyl Methacrylate	9.26	69	41814	0.41	ppbv		94

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026650.D
Acq On : 8 Jan 2016 17:22
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: Jan 08 22:35:00 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 0
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	207883	0.51	ppbv		98
45) t-1,3-Dichloropropene	10.63	75	59130	0.33	ppbv		97
46) cis-1,3-Dichloropropene	9.99	75	74062	0.39	ppbv		91
47) 1,1,2-Trichloroethane	10.85	97	65286	0.52	ppbv		95
48) Dibromochloromethane	11.77	129	93612	0.47	ppbv		100
49) Bromoform	14.79	173	72781	0.44	ppbv		99
50) 4-Methyl-2-Pentanone	10.09	43	82815	0.41	ppbv		99
51) 2-Hexanone	11.62	43	65062	0.33	ppbv	#	98
52) Tetrachloroethene	12.76	164	65951	0.58	ppbv		95
53) Toluene	11.21	91	168018	0.45	ppbv		100
54) 1,2-Dibromoethane	12.11	107	105247	0.53	ppbv		91
56) 1,1,1,2-Tetrachloroethane	13.76	131	81263	0.56	ppbv	#	1
57) Chlorobenzene	13.79	112	192819	0.63	ppbv		99
58) Ethyl Benzene	14.38	91	275312	0.47	ppbv		92
59) m/p-Xylene	14.69	91	503922	1.11	ppbv		96
60) o-Xylene	15.46	91	290629	0.62	ppbv		97
61) Styrene	15.29	104	80915	0.36	ppbv		97
62) Isopropylbenzene	16.52	105	362357	0.55	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.45	83	213147	0.71	ppbv		100
64) n-propylbenzene	17.49	120	99177	0.57	ppbv		96
65) tert-Butylbenzene	18.78	119	346825	0.64	ppbv		96
66) Benzyl Chloride	19.07	91	92150	0.36	ppbv		97
67) sec-Butylbenzene	19.38	105	509652	0.60	ppbv		99
69) p-Isopropyltoluene	19.76	119	367437	0.55	ppbv		98
70) n-Butylbenzene	20.73	91	362207	0.52	ppbv		97
71) 2-Chlorotoluene	17.40	91	256122	0.48	ppbv		98
72) 4-Ethyltoluene	17.79	105	277575	0.49	ppbv		98
73) 1,3,5-Trimethylbenzene	17.96	105	282310	0.54	ppbv		97
74) 1,2,4-Trimethylbenzene	18.80	105	323086	0.63	ppbv	#	95
75) 1,3-Dichlorobenzene	19.09	146	210216	0.66	ppbv		97
76) 1,4-Dichlorobenzene	19.24	146	209460	0.62	ppbv		98
77) 1,2-Dichlorobenzene	20.00	146	203313	0.61	ppbv		99
78) Hexachloro-1,3-Butadiene	24.65	225	84945	0.64	ppbv		96
79) Naphthalene	23.91	128	169279	0.42	ppbv		97
80) Naphthalene,2-methyl-	26.03	142	23361	0.23	ppbv	#	86
81) 1,2,4-Trichlorobenzene	23.71	180	84342	0.49	ppbv		98

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026650.D
Acq On : 8 Jan 2016 17:22
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 22:35:00 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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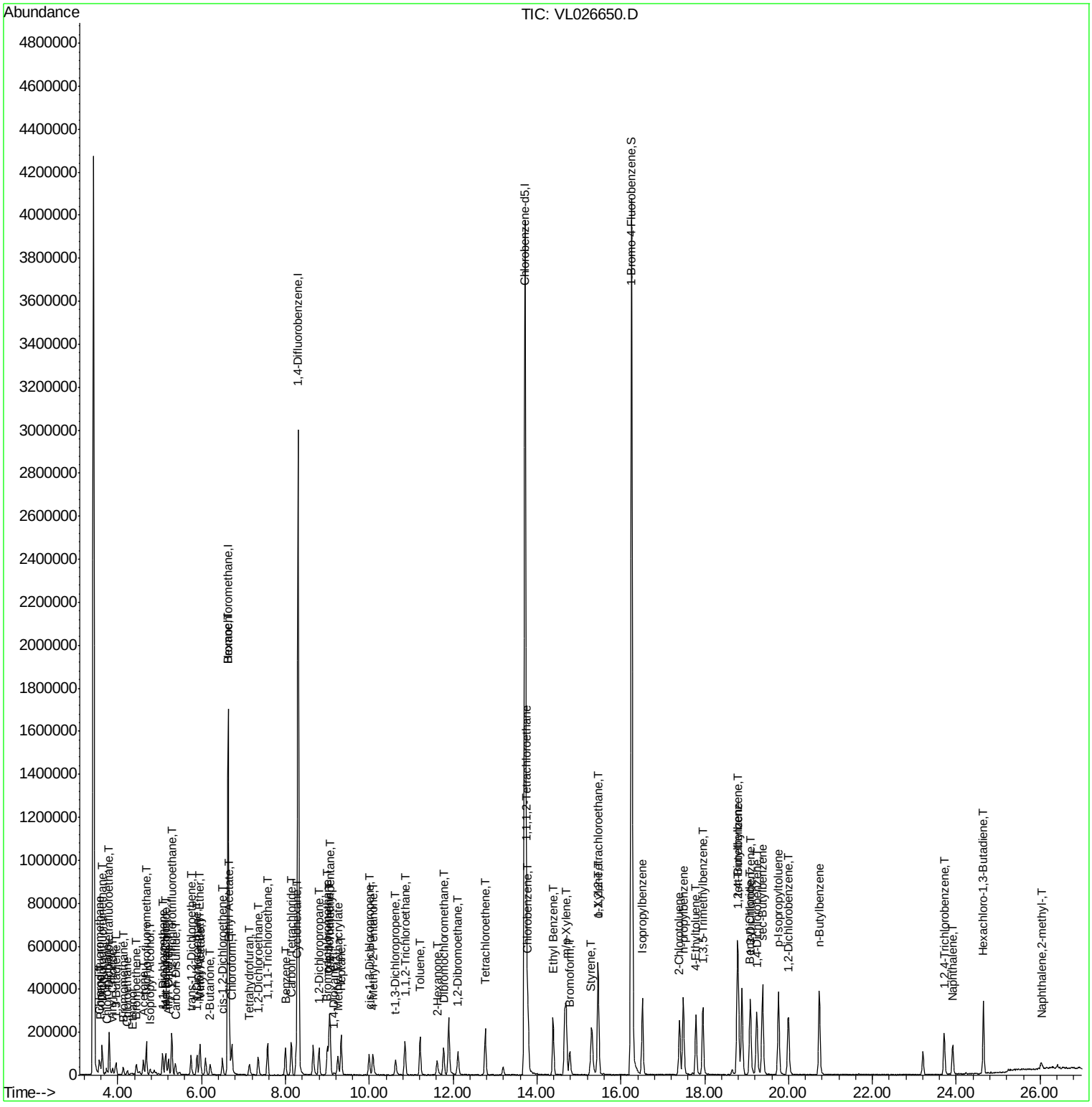
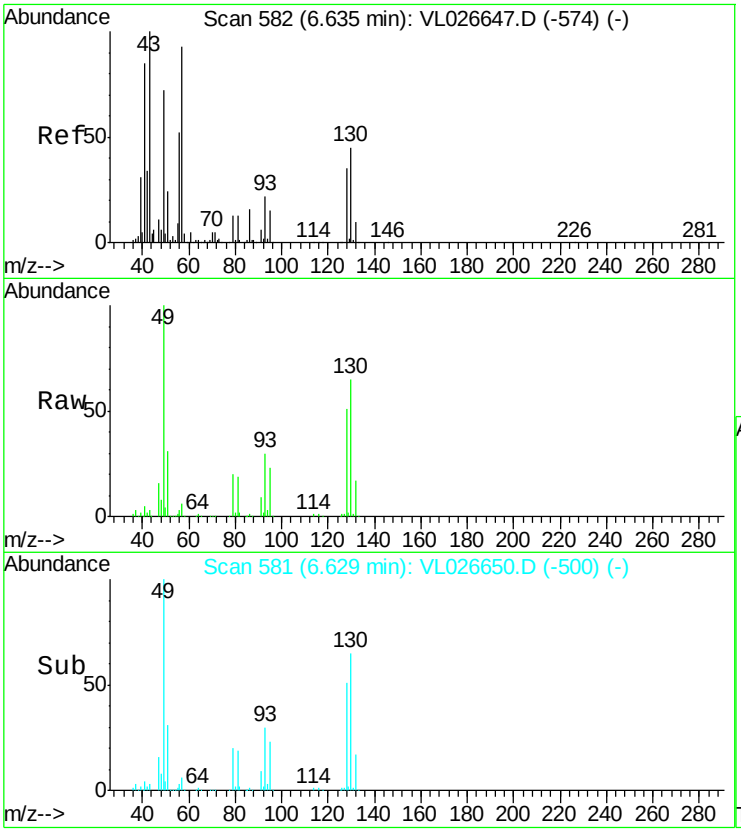
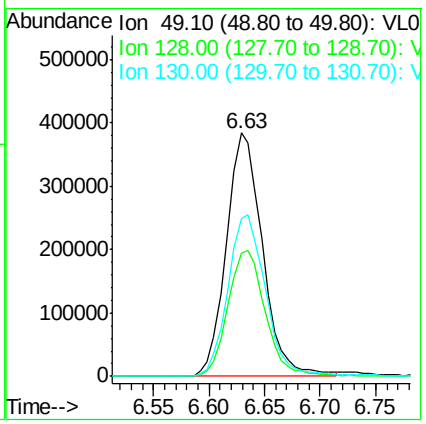




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 49 Resp: 866063

Ion	Ratio	Lower	Upper
49	100		
128	54.6	25.9	77.7
130	69.4	33.6	100.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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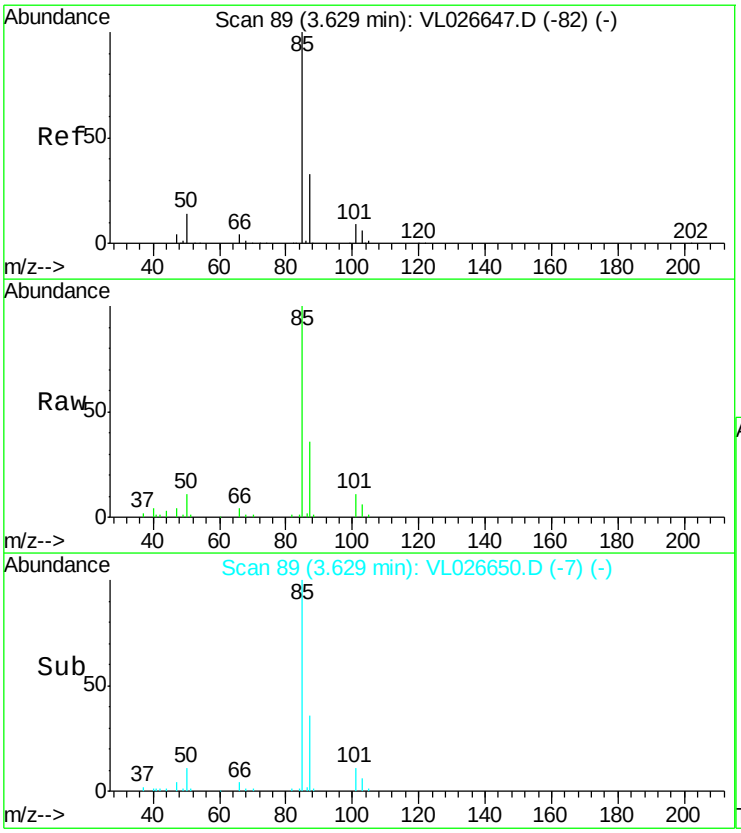
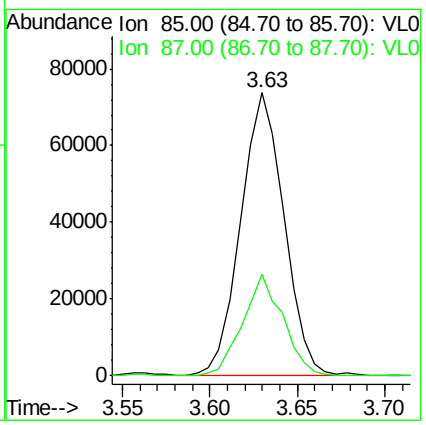
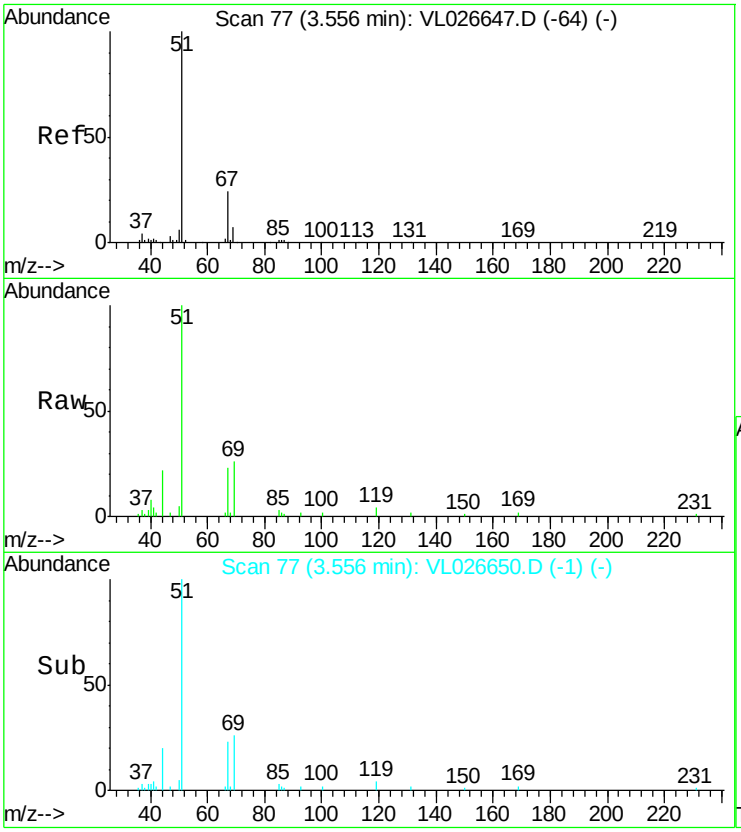


#2
Dichlorodifluoromethane
Concen: 0.55 ppbv
RT: 3.63 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 85 Resp: 127176

Ion	Ratio	Lower	Upper
85	100		
87	35.7	26.4	39.6

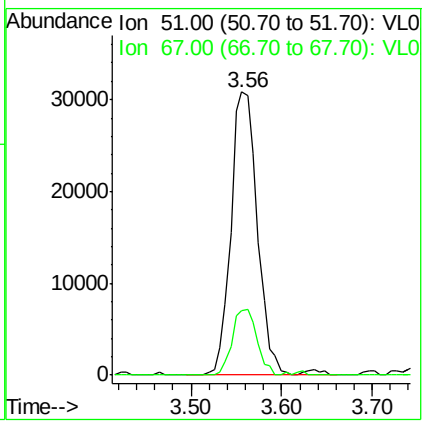




#3
Chlorodifluoromethane
Concen: 0.58 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 51 Resp: 63093

Ion	Ratio	Lower	Upper
51	100		
67	22.1	18.6	28.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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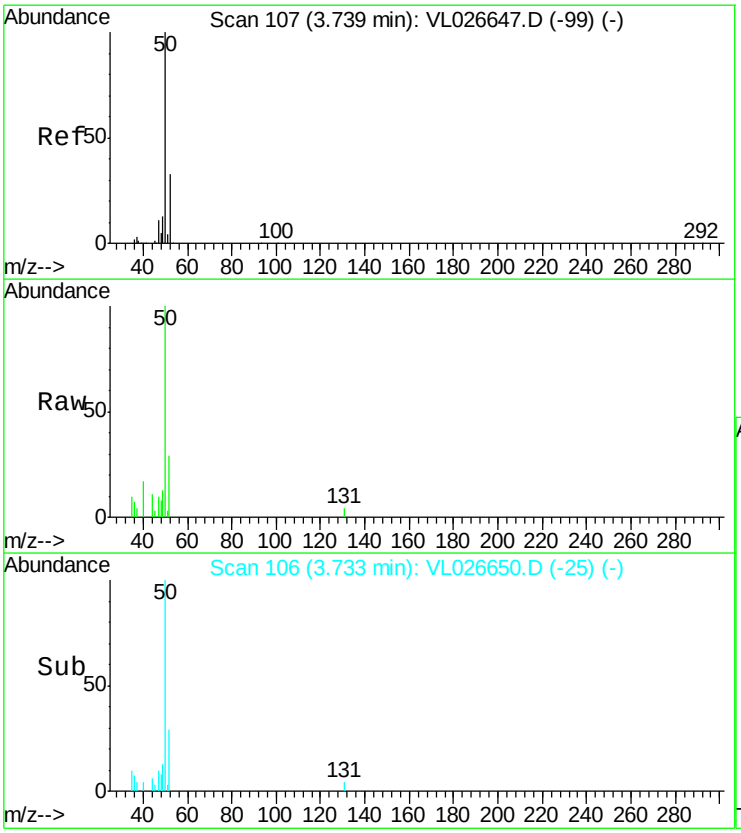
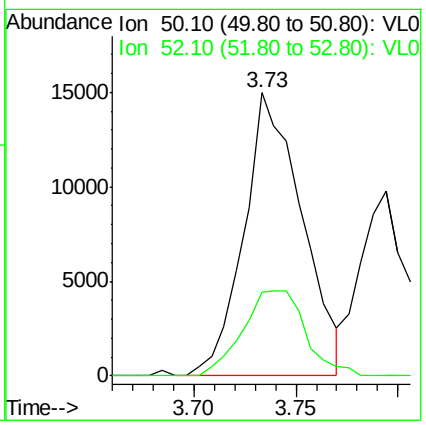
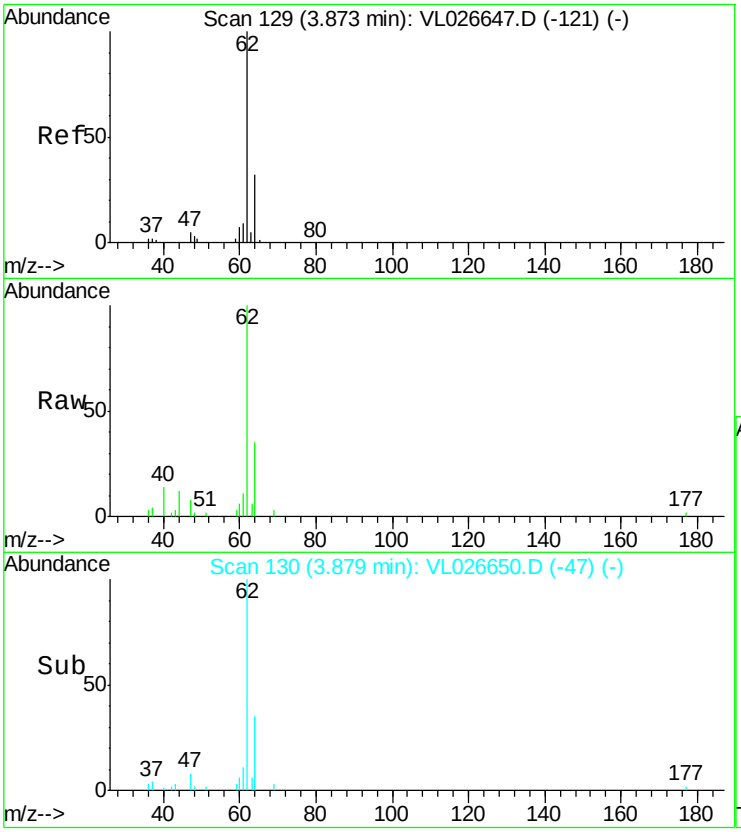


#4
Chloromethane
Concen: 0.53 ppbv
RT: 3.73 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 50 Resp: 29694

Ion	Ratio	Lower	Upper
50	100		
52	29.3	26.7	40.1

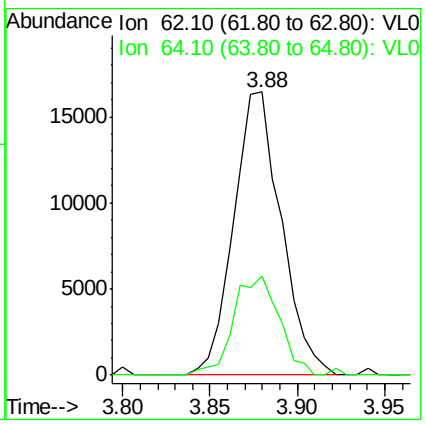




#5
Vinyl Chloride
Concen: 0.49 ppbv
RT: 3.88 min Scan# 130
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 62 Resp: 31124

Ion	Ratio	Lower	Upper
62	100		
64	35.1	25.6	38.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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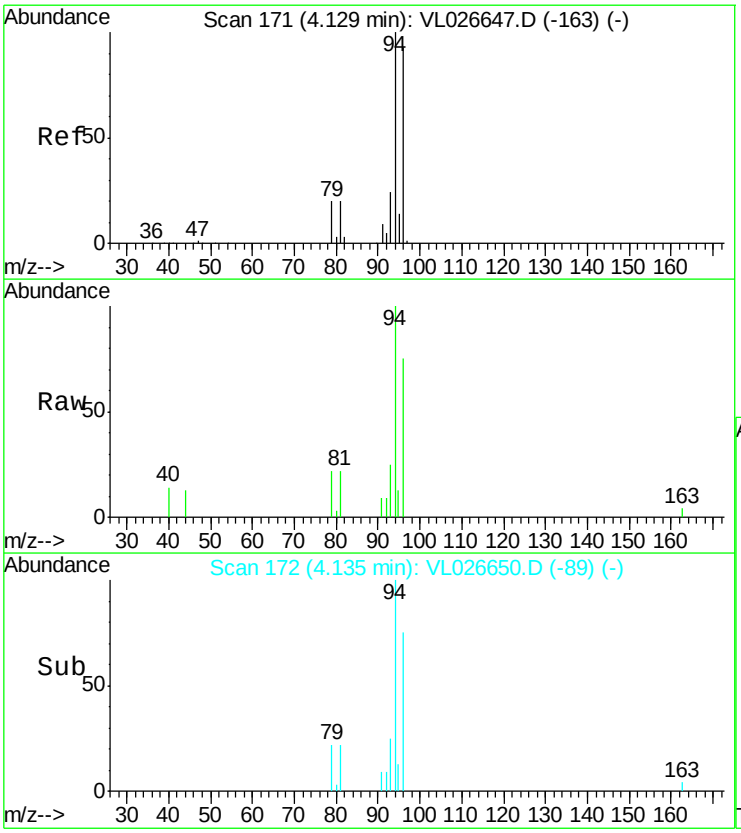
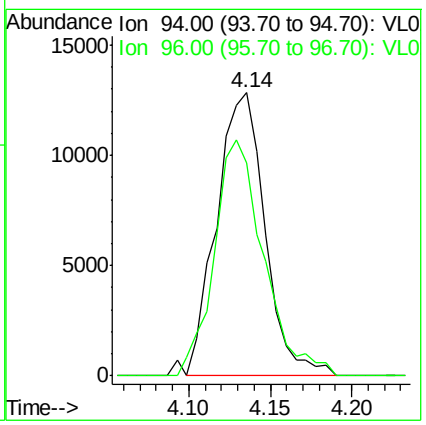
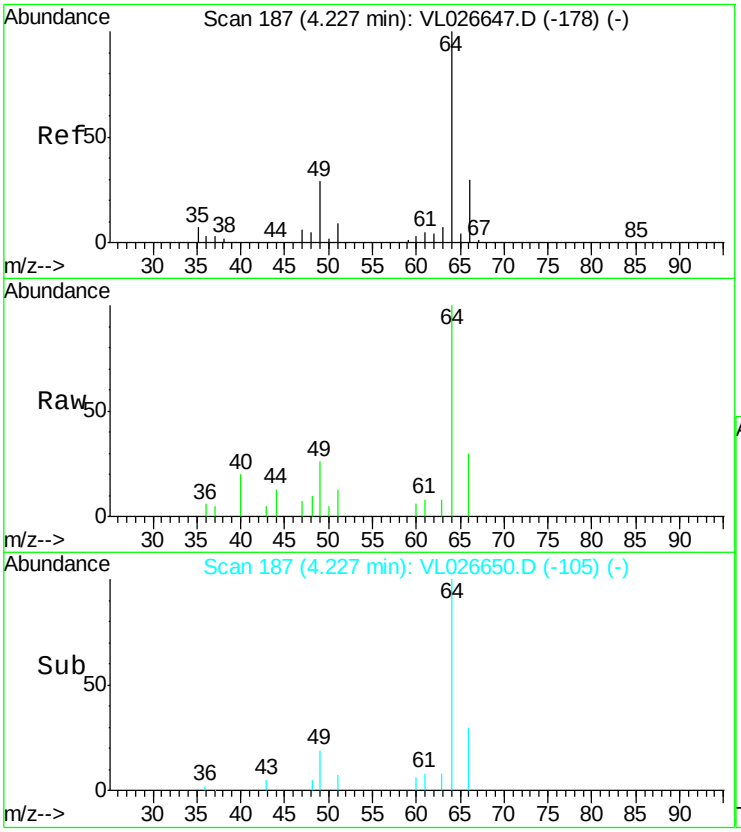


#6
Bromomethane
Concen: 0.56 ppbv
RT: 4.14 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 94 Resp: 26573

Ion	Ratio	Lower	Upper
94	100		
96	75.3	74.6	112.0

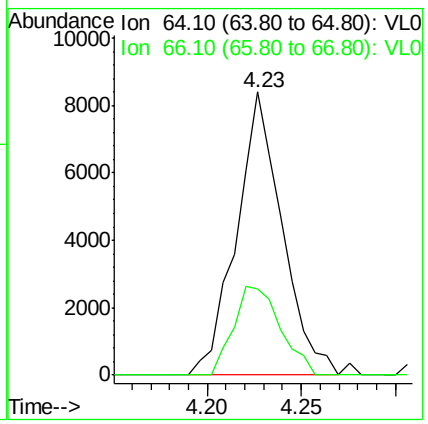




#7
Chloroethane
Concen: 0.49 ppbv
RT: 4.23 min Scan# 187
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 64 Resp: 14120

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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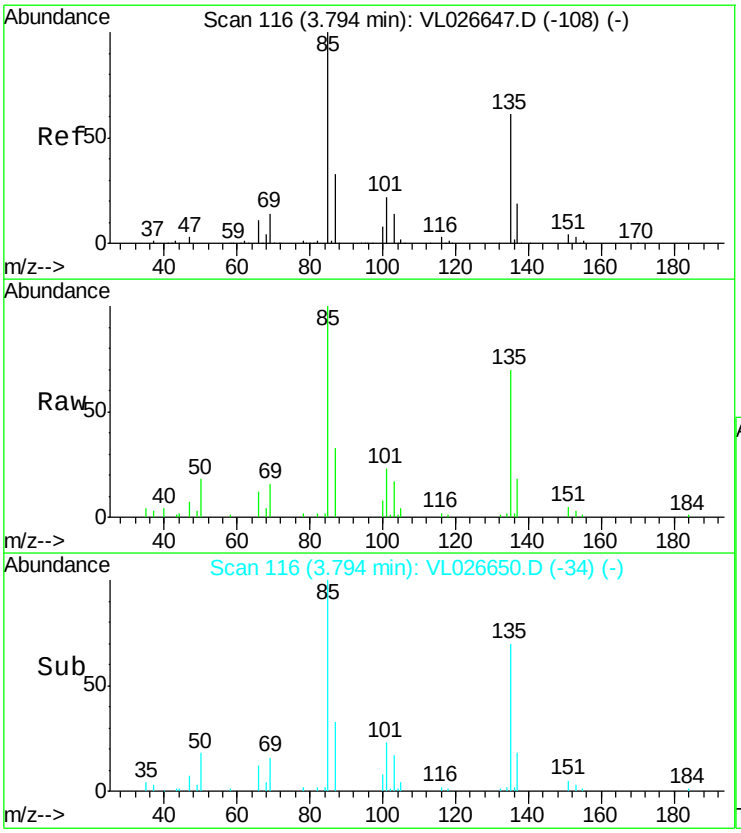
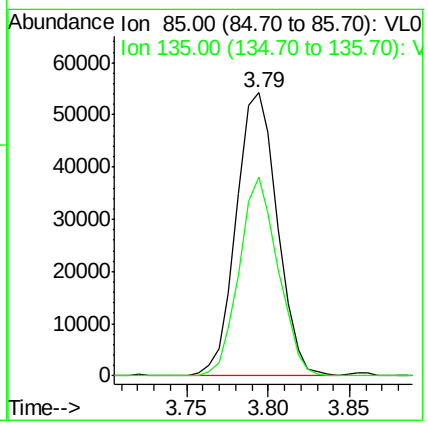
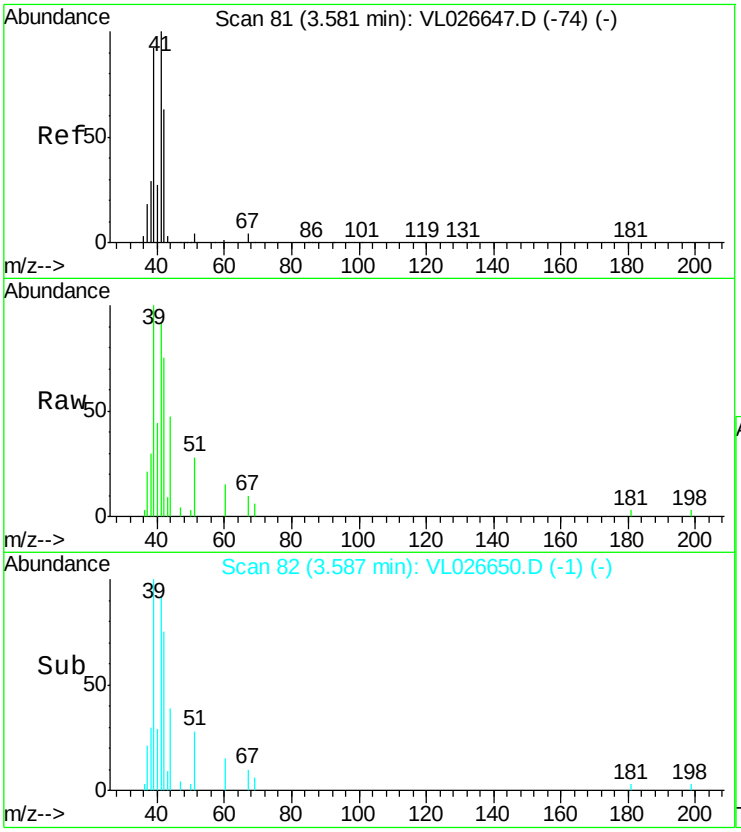


#8
Dichlorotetrafluoroethane
Concen: 0.54 ppbv
RT: 3.79 min Scan# 116
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 85 Resp: 95487

Ion	Ratio	Lower	Upper
85	100		
135	66.2	49.8	74.6

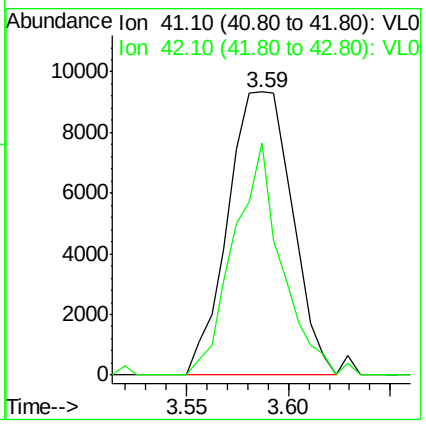




#9
Propene
Concen: 0.49 ppbv
RT: 3.59 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 41 Resp: 20434

Ion	Ratio	Lower	Upper
41	100		
42	61.4	53.6	80.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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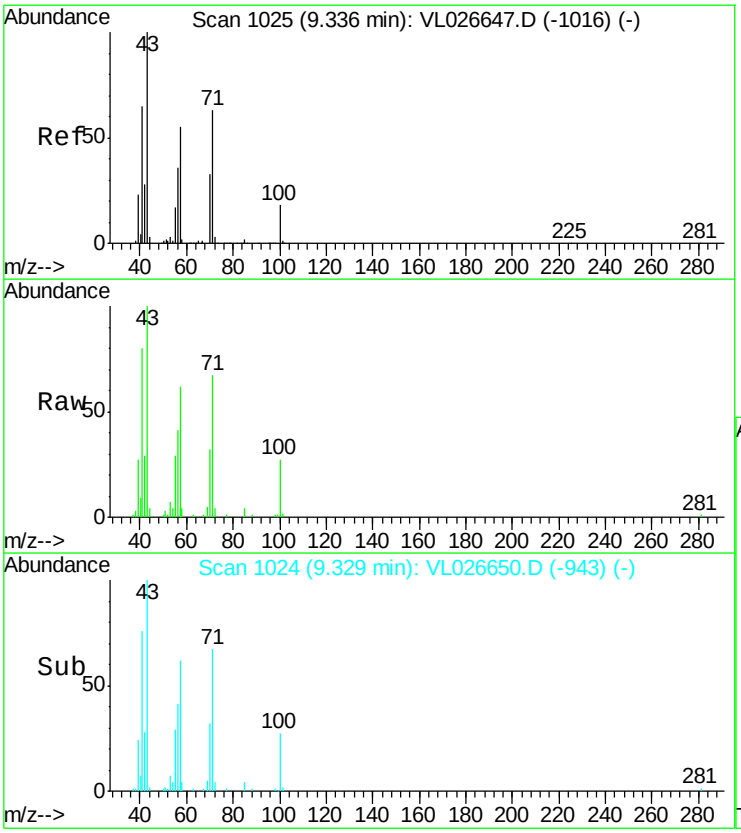
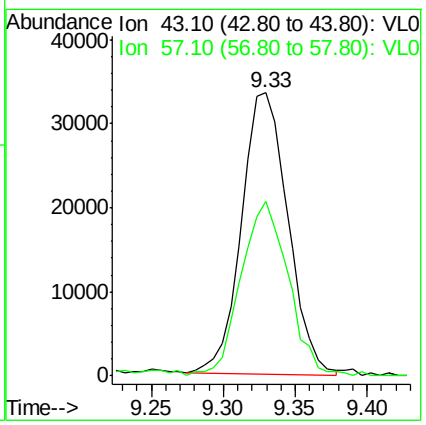
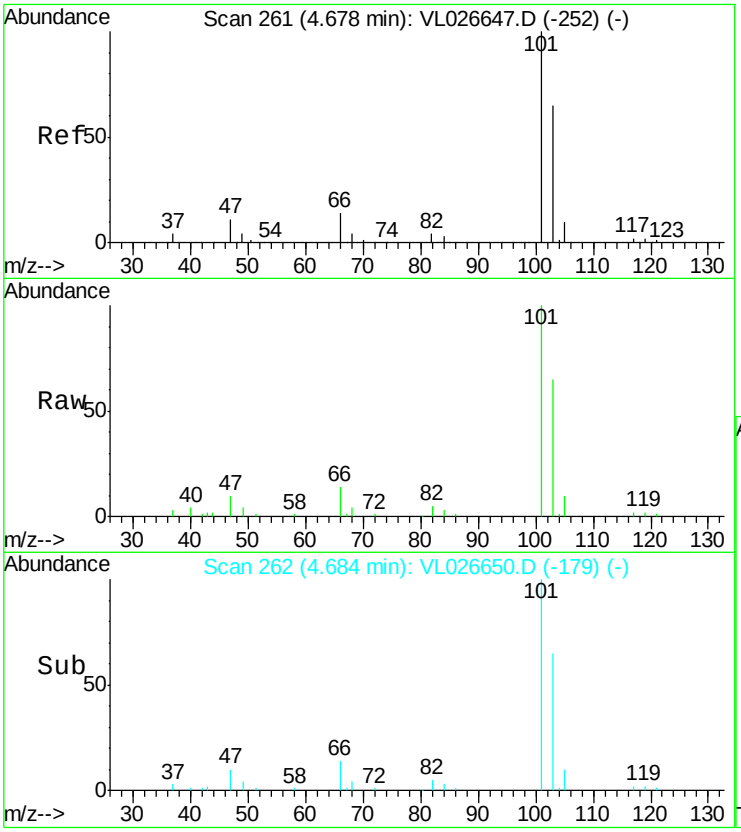


#10
Heptane
Concen: 0.49 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 74992

Ion	Ratio	Lower	Upper
43	100		
57	66.6	45.8	68.6





#11
Trichlorofluoromethane
Concen: 0.56 ppbv
RT: 4.68 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:101 Resp: 128879

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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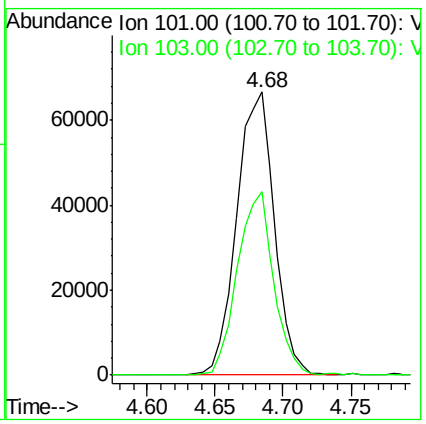
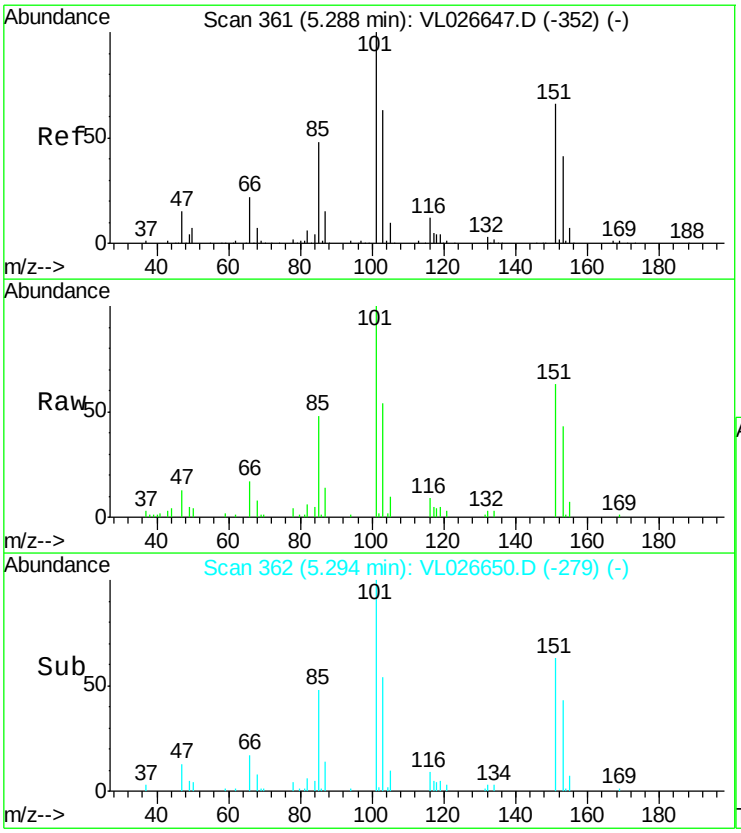
1/11/2016 5:13:27 PM

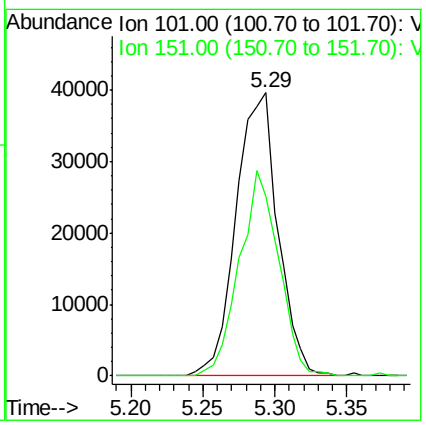


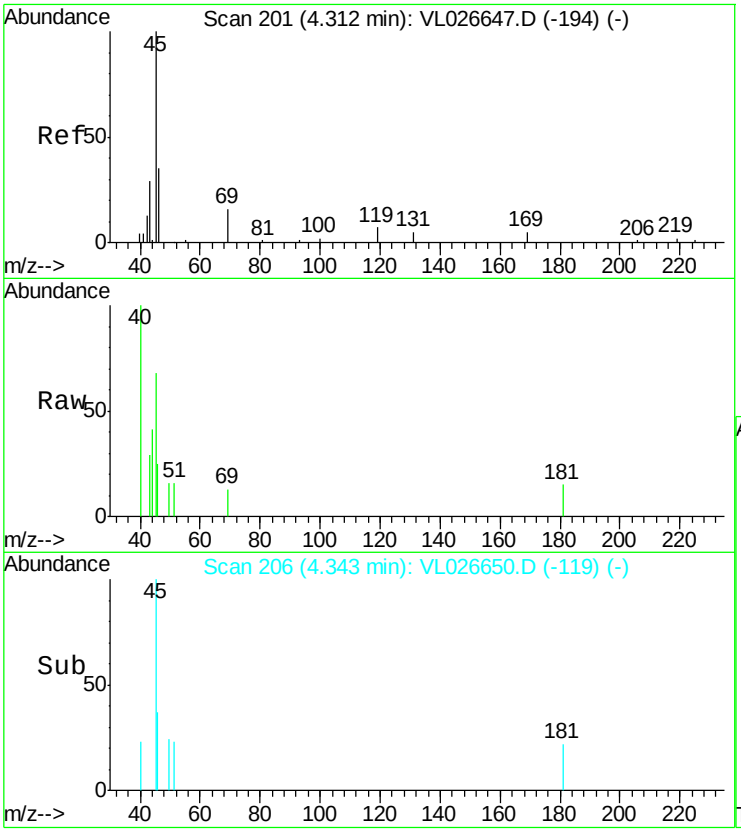


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.57 ppbv
RT: 5.29 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:101 Resp: 80114

Ion	Ratio	Lower	Upper
101	100		
151	67.8	54.2	81.4

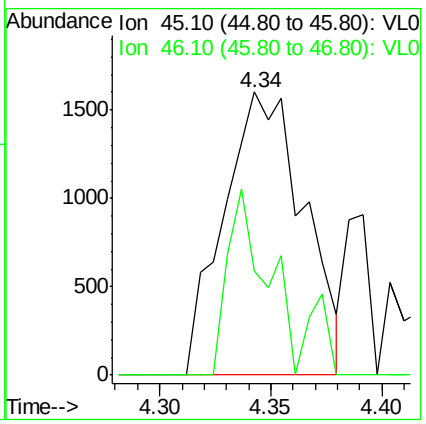




#13
Ethanol
Concen: 0.46 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 45 Resp: 4029

Ion	Ratio	Lower	Upper
45	100		
46	39.0	16.7	66.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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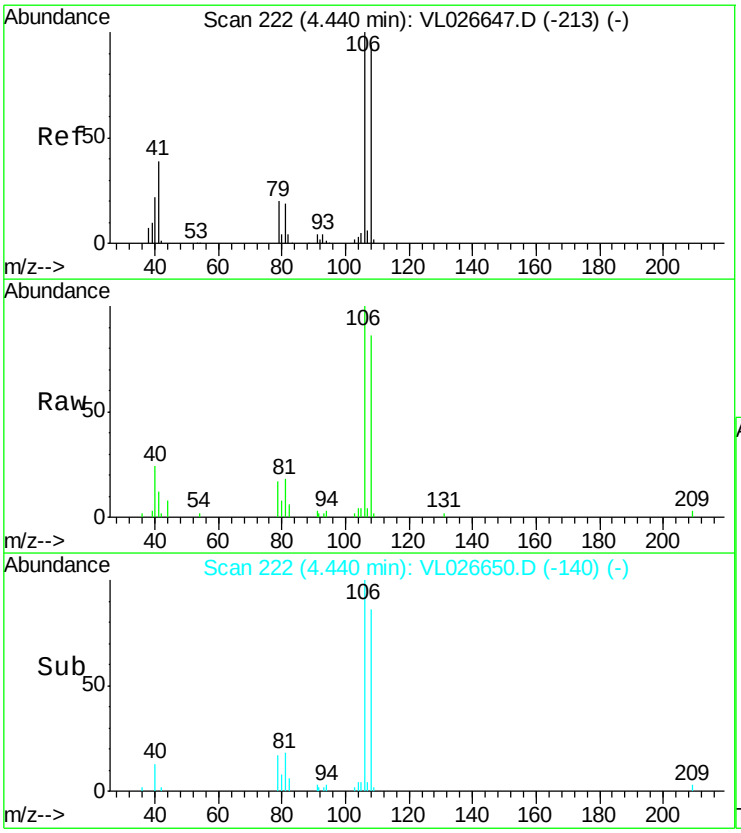
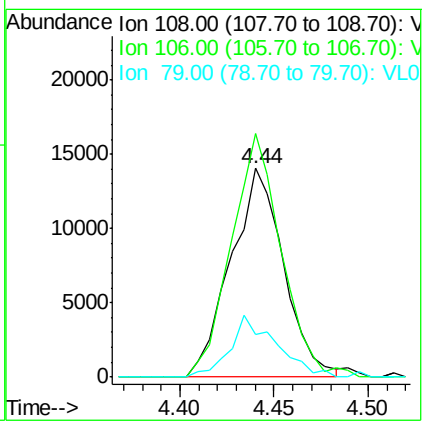
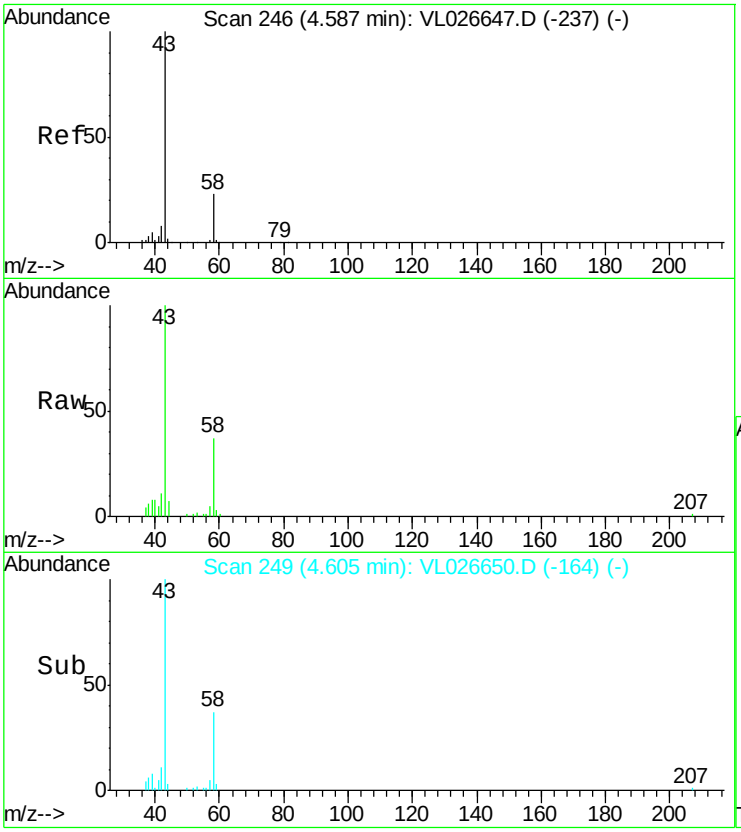


#14
Bromoethene
Concen: 0.51 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:108 Resp: 27254

Ion	Ratio	Lower	Upper
108	100		
106	110.6	86.3	129.5
79	26.4	17.3	25.9#





#15
Acetone
Concen: 0.63 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.02 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 79840

Ion	Ratio	Lower	Upper
43	100		
58	36.9	19.2	28.8#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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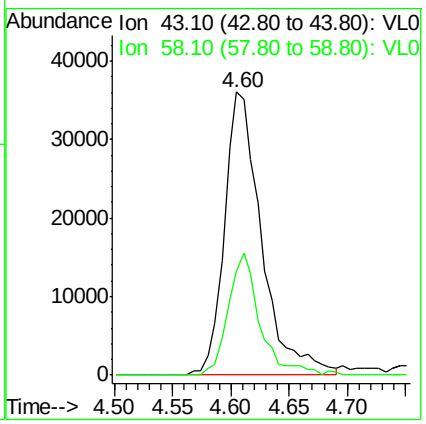
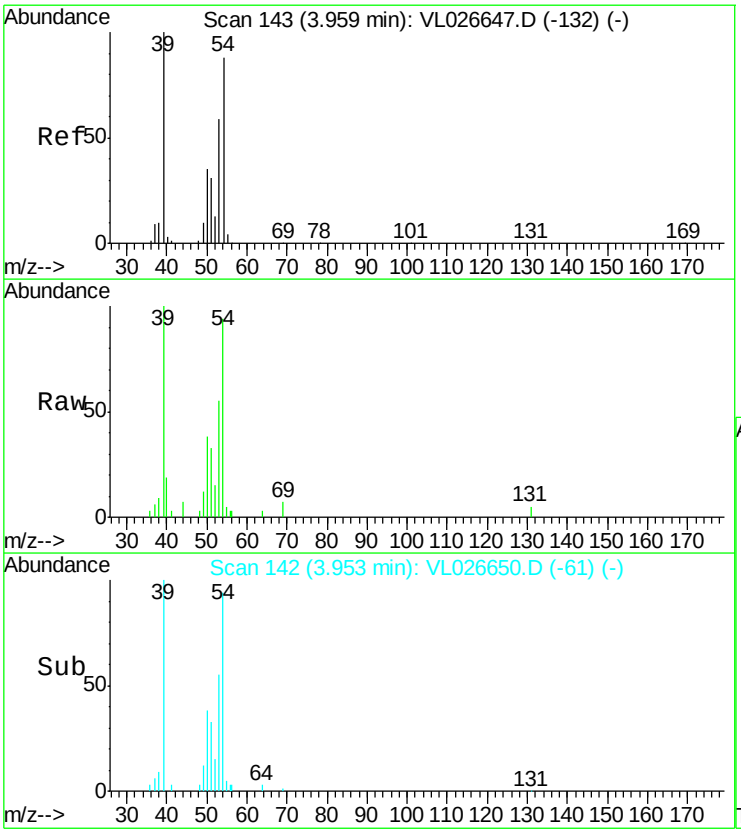
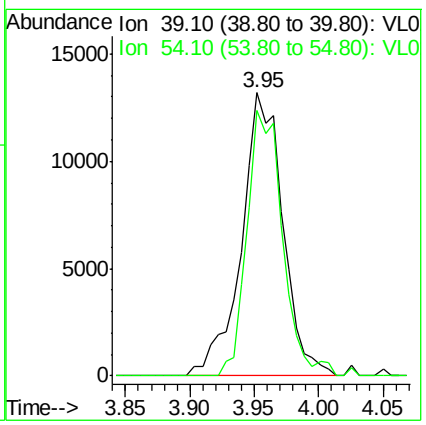


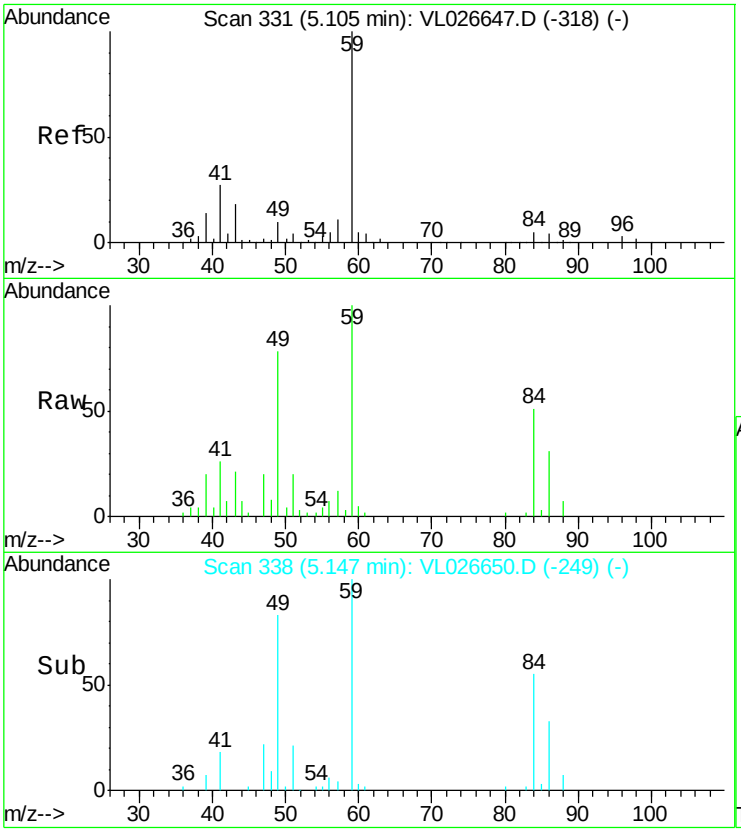


#16
1,3-Butadiene
Concen: 0.52 ppbv
RT: 3.95 min Scan# 142
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 39 Resp: 29321

Ion	Ratio	Lower	Upper
39	100		
54	80.8	66.4	99.6





#17
tert-Butyl alcohol
Concen: 0.46 ppbv m
RT: 5.15 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 59 Resp: 53937

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.9	13.3#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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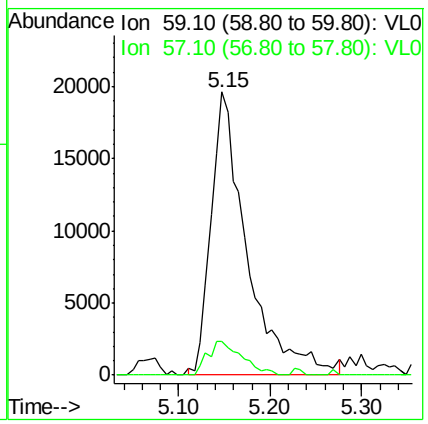
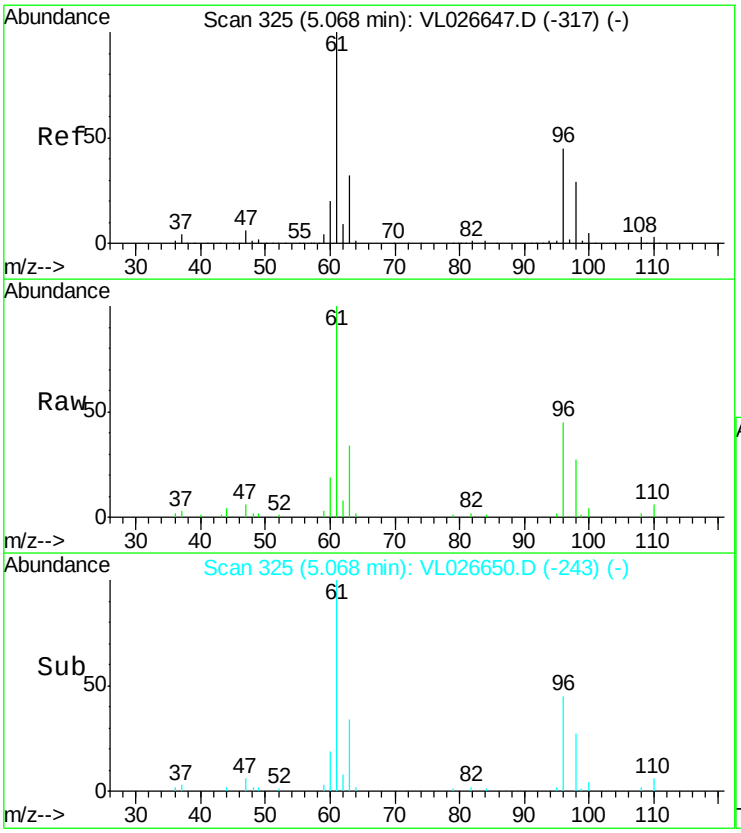
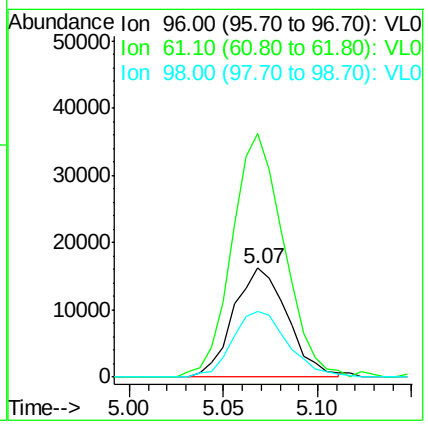


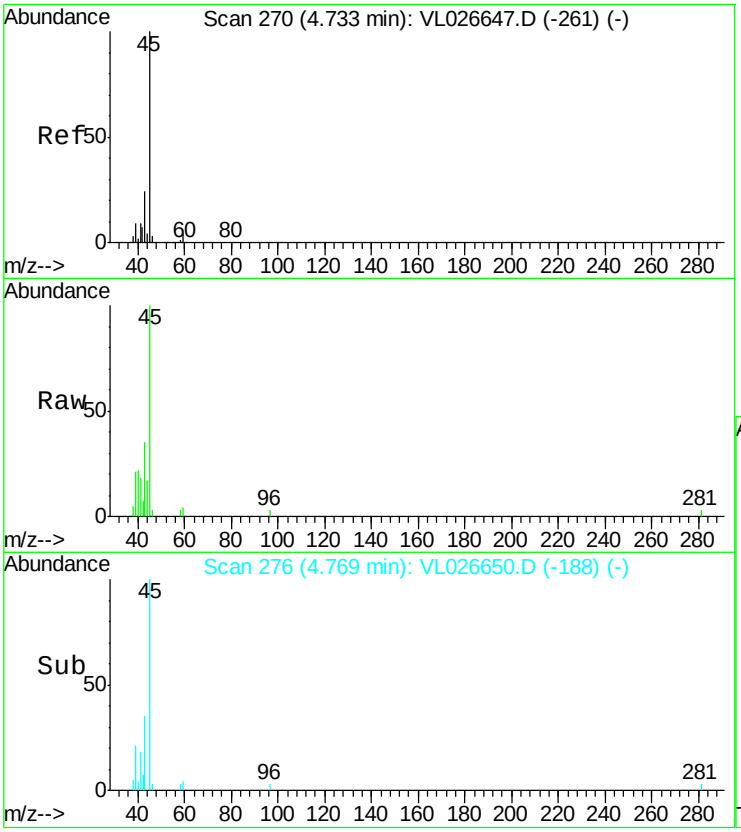


#18
1,1-Dichloroethene
Concen: 0.53 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 96 Resp: 32140

Ion	Ratio	Lower	Upper
96	100		
61	218.3	176.7	265.1
98	60.2	51.8	77.6





#19
Isopropyl Alcohol
Concen: 0.42 ppbv m
RT: 4.77 min Scan# 276
Delta R.T. 0.04 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 45 Resp: 29395

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.2	1.8#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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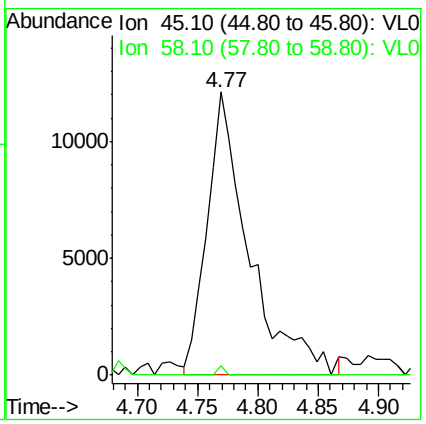
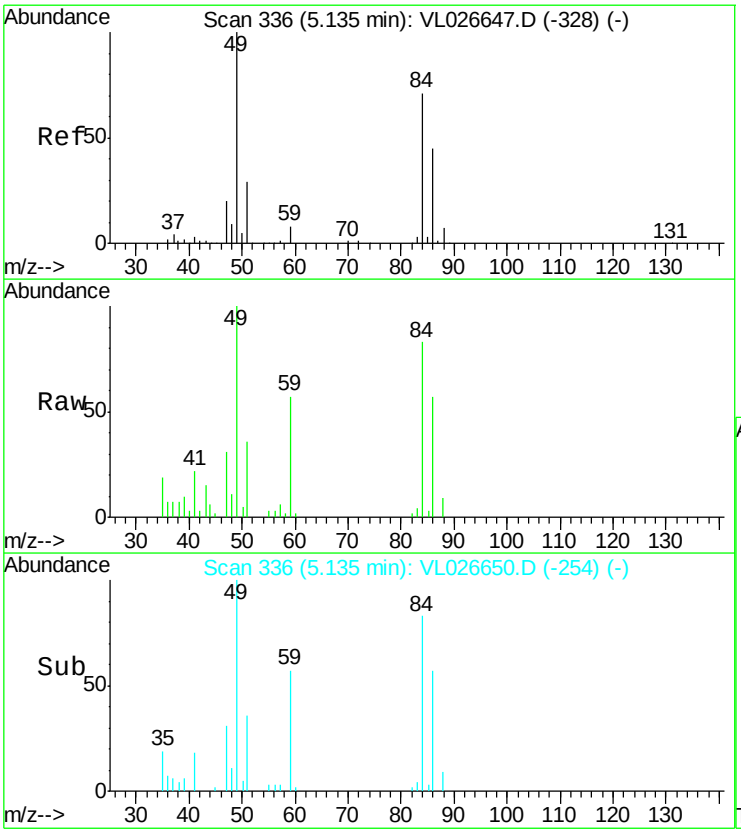
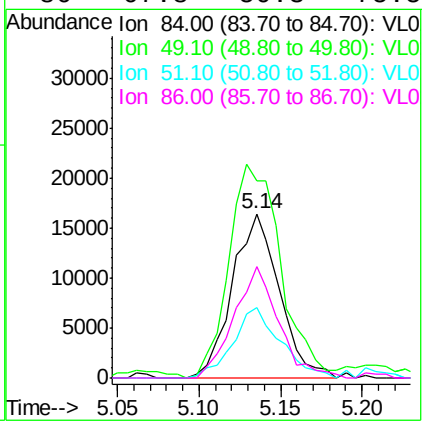


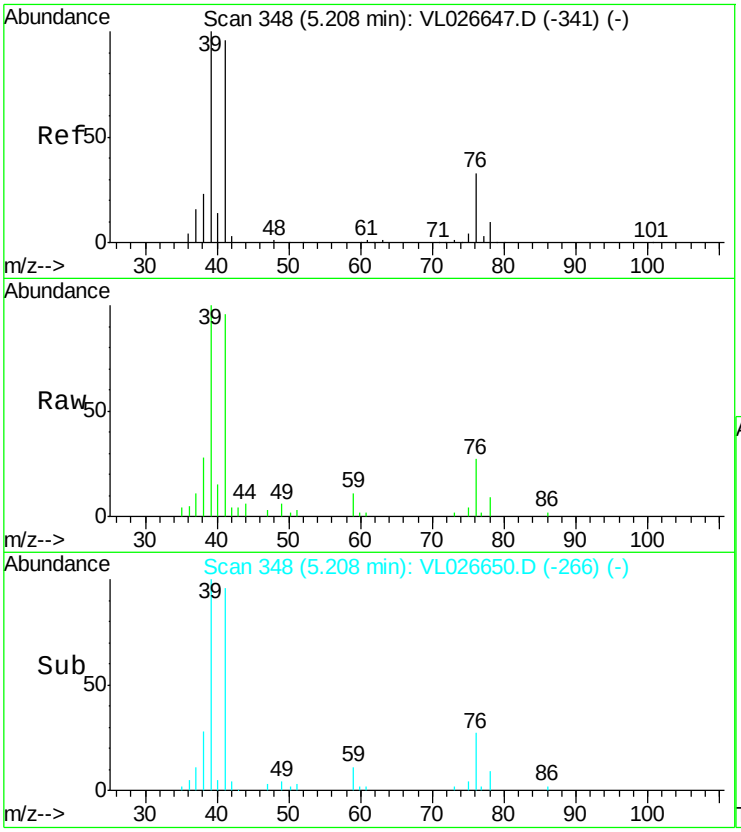


#20
Methylene Chloride
Concen: 0.60 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 84 Resp: 32845

Ion	Ratio	Lower	Upper
84	100		
49	119.9	112.3	168.5
51	43.1	32.5	48.7
86	67.8	50.3	75.5

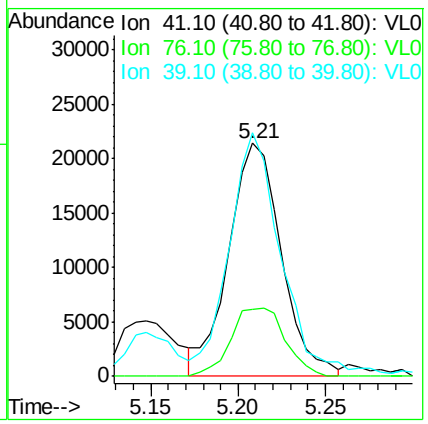




#21
Allyl Chloride
Concen: 0.51 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 41 Resp: 44955

Ion	Ratio	Lower	Upper
41	100		
76	30.2	27.5	41.3
39	122.4	83.2	124.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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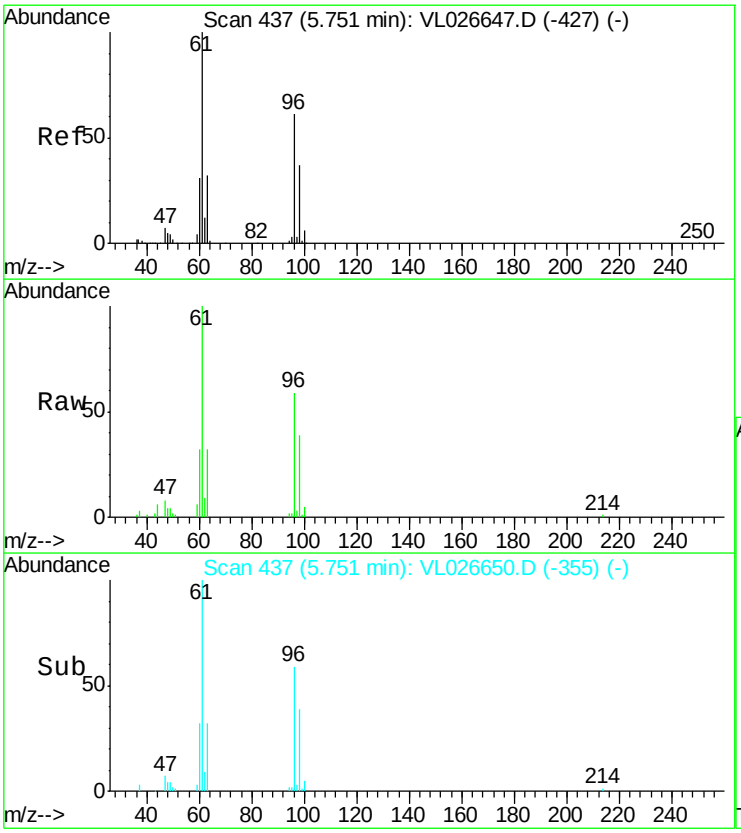
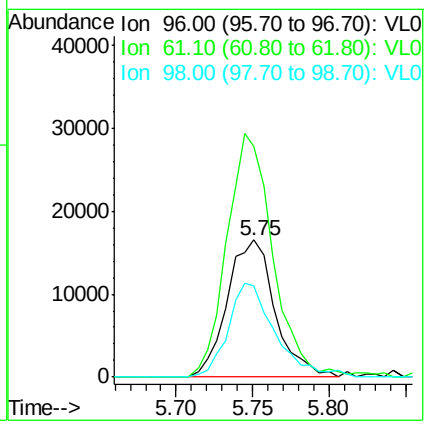
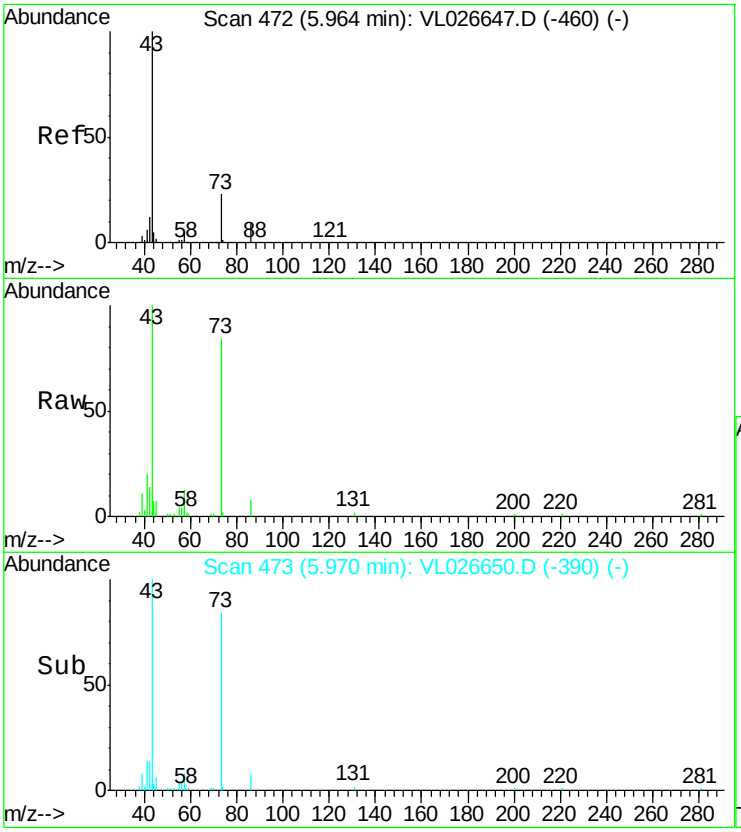


#22
trans-1,2-Dichloroethene
Concen: 0.51 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 96 Resp: 35667

Ion	Ratio	Lower	Upper
96	100		
61	169.1	131.0	196.6
98	66.6	48.1	72.1

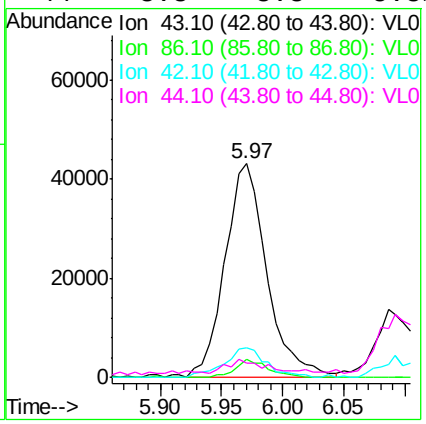




#23
Vinyl Acetate
Concen: 0.45 ppbv
RT: 5.97 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 102555

Ion	Ratio	Lower	Upper
43	100		
86	8.1	7.4	11.0
42	13.8	9.2	13.8#
44	3.8	3.8	5.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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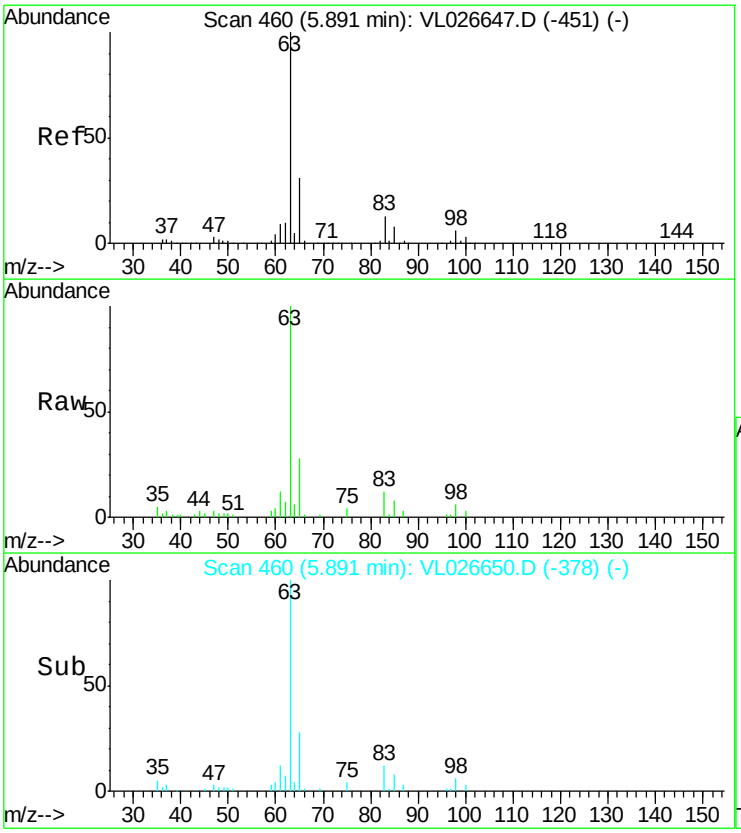
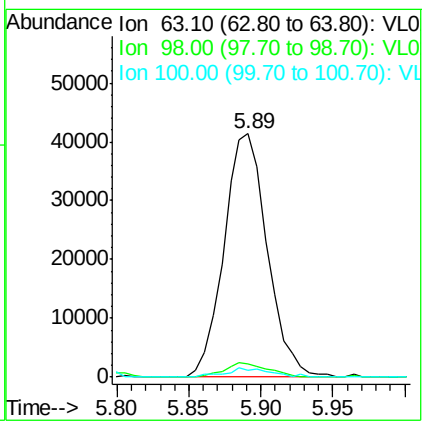
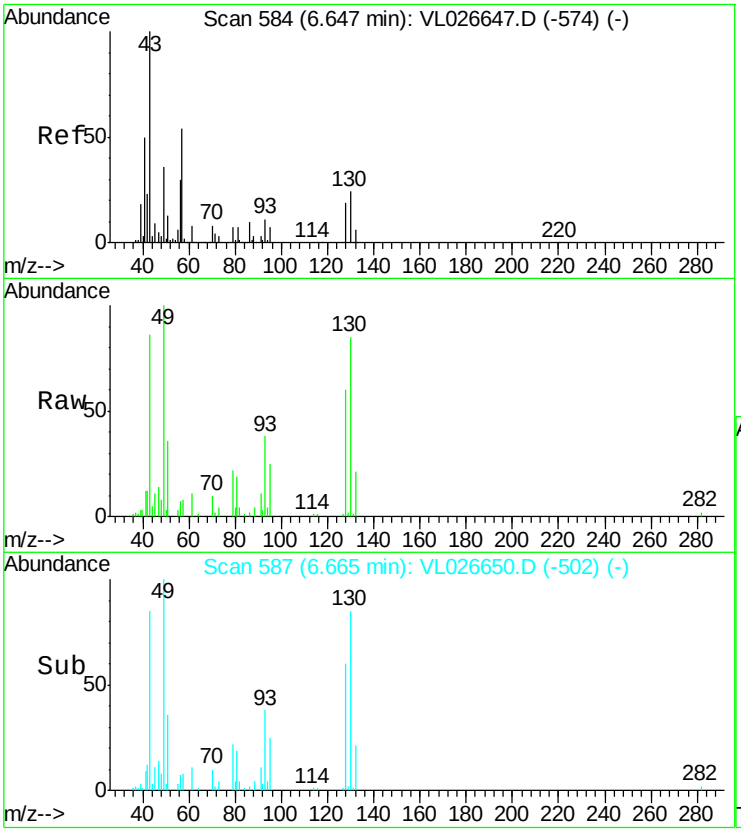


#24
1,1-Dichloroethane
Concen: 0.56 ppbv
RT: 5.89 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 63 Resp: 86381

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	2.6	1.6	4.8

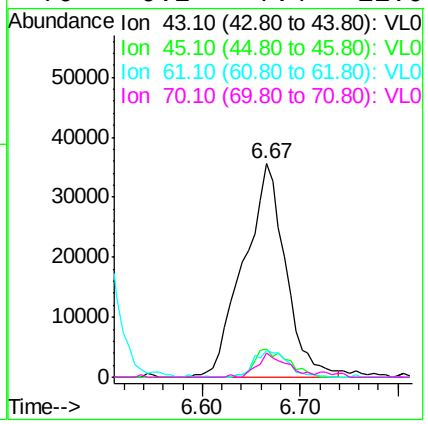




#25
Ethyl Acetate
Concen: 0.48 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 105704

Ion	Ratio	Lower	Upper
43	100		
45	10.7	7.5	11.3
61	10.3	7.3	10.9
70	9.2	7.4	11.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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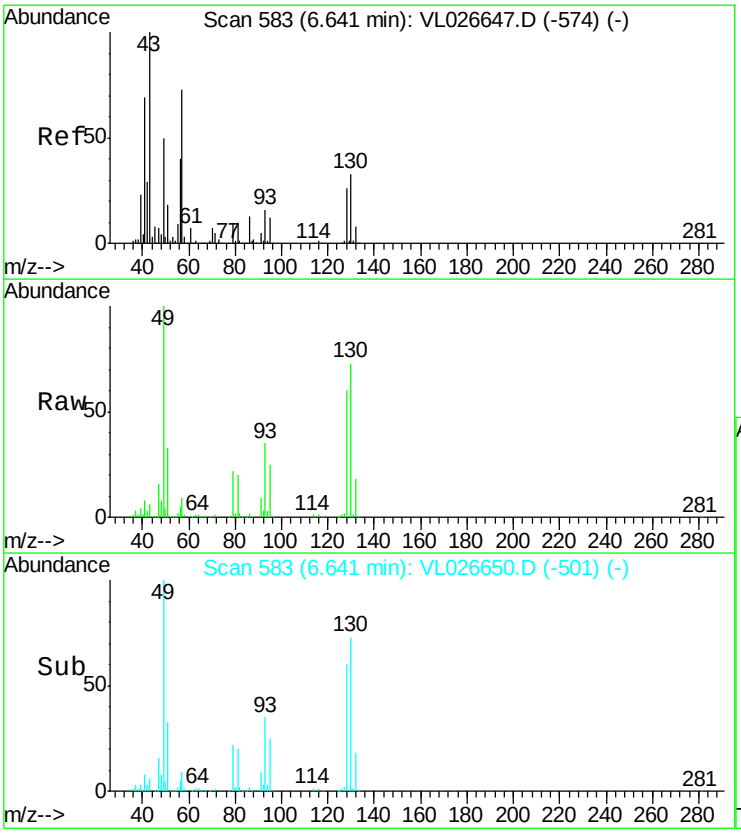
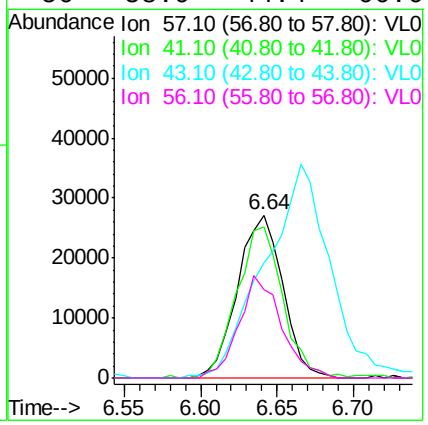
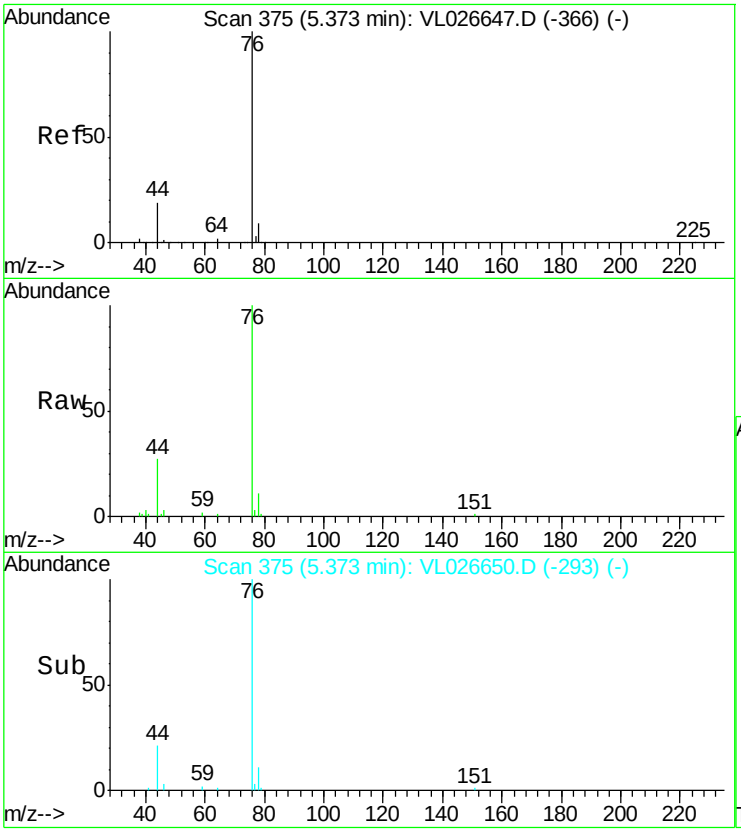


#26
Hexane
Concen: 0.50 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 57 Resp: 55929

Ion	Ratio	Lower	Upper
57	100		
41	95.8	74.8	112.2
43	192.6	161.5	242.3
56	58.9	44.4	66.6

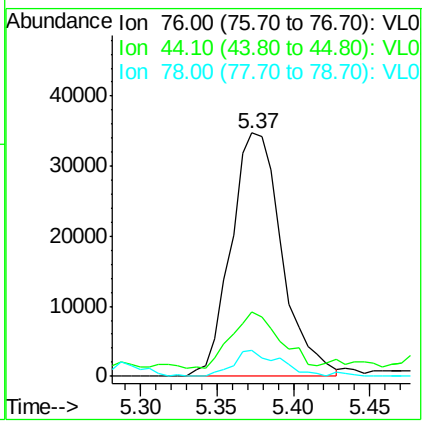




#27
Carbon Disulfide
Concen: 0.46 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 76 Resp: 80206

Ion	Ratio	Lower	Upper
76	100		
44	22.8	16.1	24.1
78	10.3	7.4	11.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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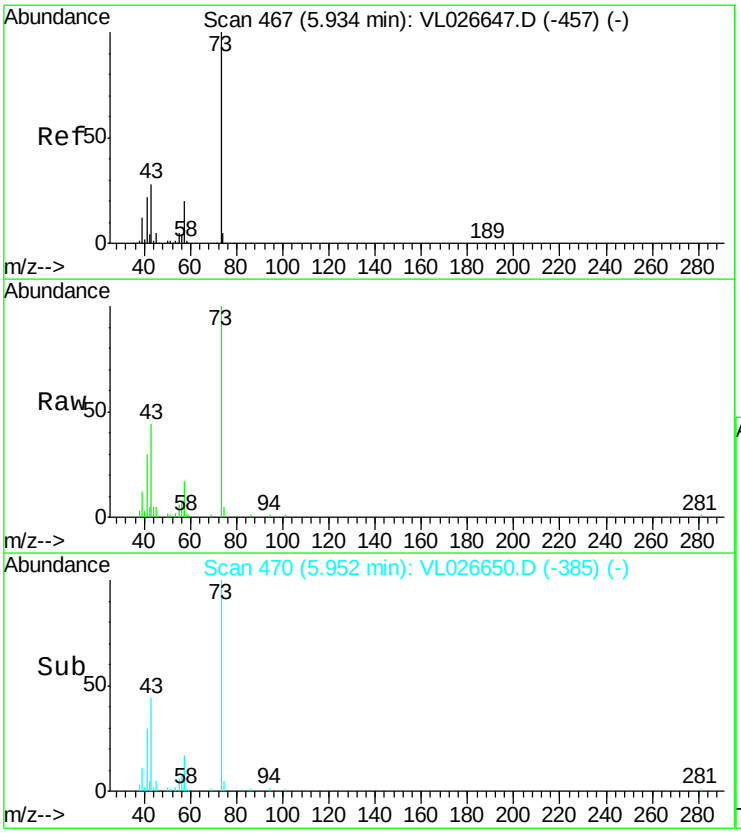
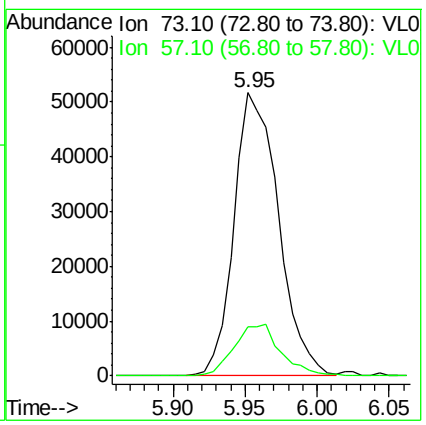
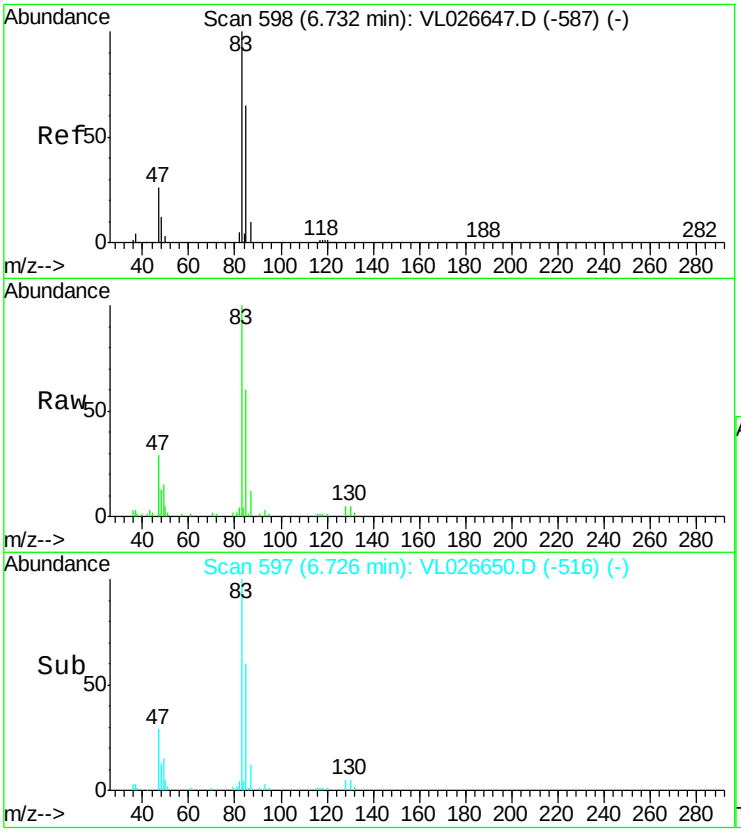


#28
Methyl tert-Butyl Ether
Concen: 0.49 ppbv
RT: 5.95 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 73 Resp: 110886

Ion	Ratio	Lower	Upper
73	100		
57	19.2	16.2	24.4

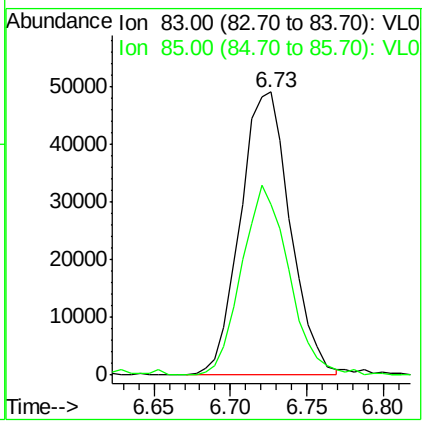




#29
Chloroform
Concen: 0.56 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 83 Resp: 111484

Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.6	77.4



Instrument :
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ClientSampleId :
VSTDICC0.5

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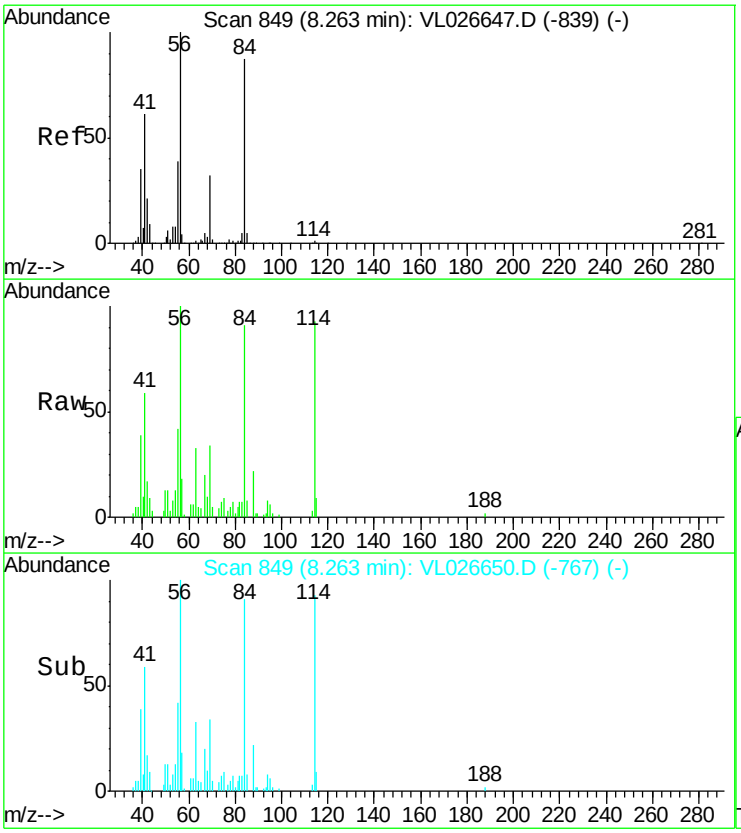
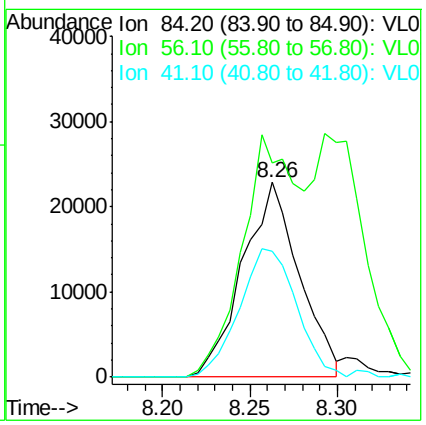
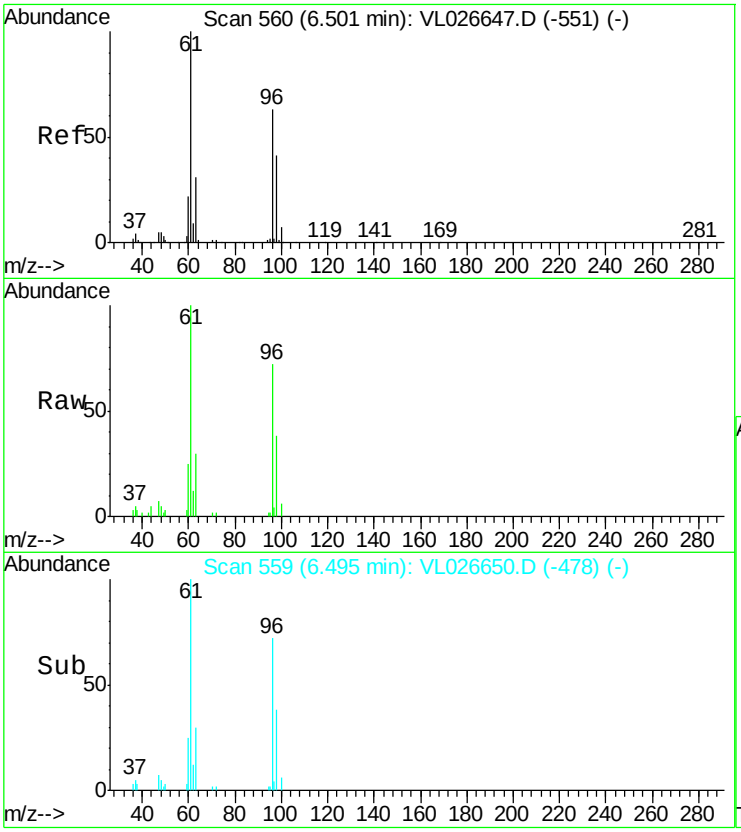


#30
Cyclohexane
Concen: 0.46 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 84 Resp: 51879

Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	67.2	54.8	82.2

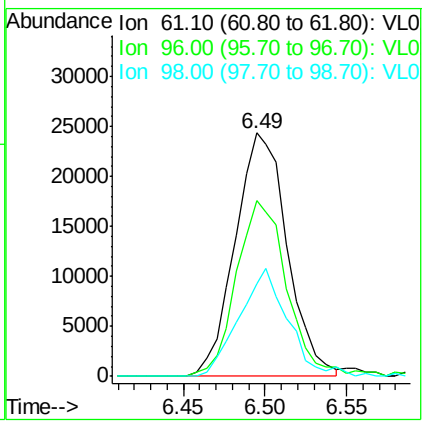




#31
cis-1,2-Dichloroethene
Concen: 0.46 ppbv
RT: 6.49 min Scan# 559
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 61 Resp: 54088

Ion	Ratio	Lower	Upper
61	100		
96	72.2	50.2	75.4
98	38.0	32.4	48.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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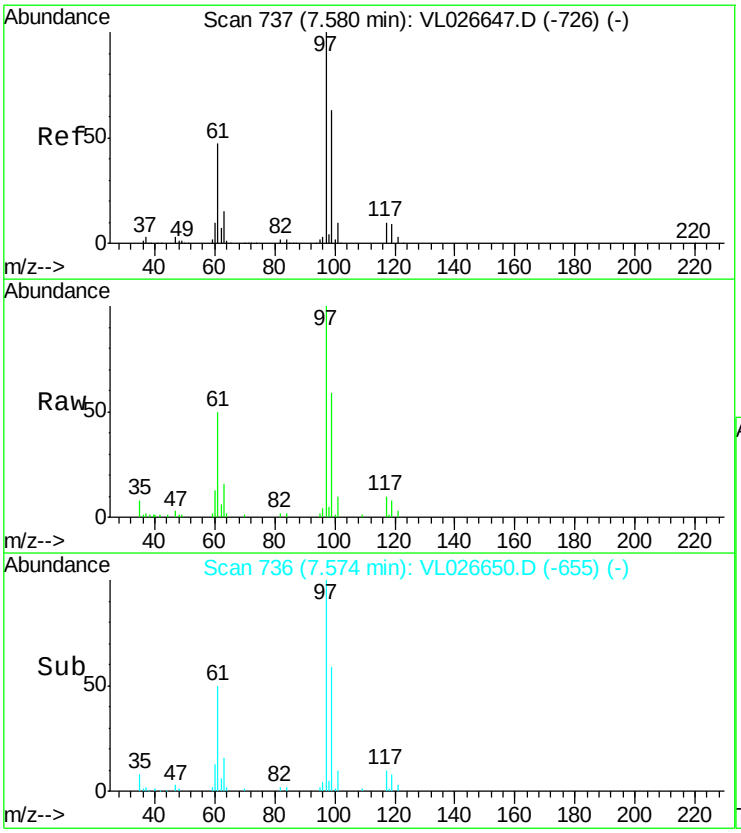
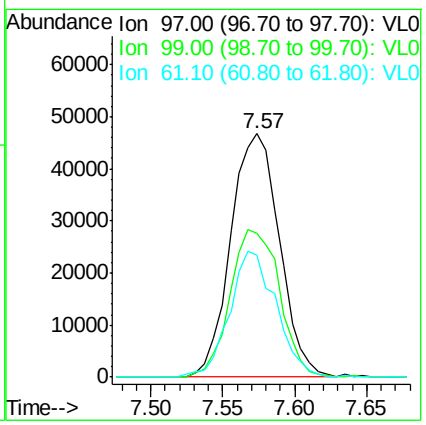
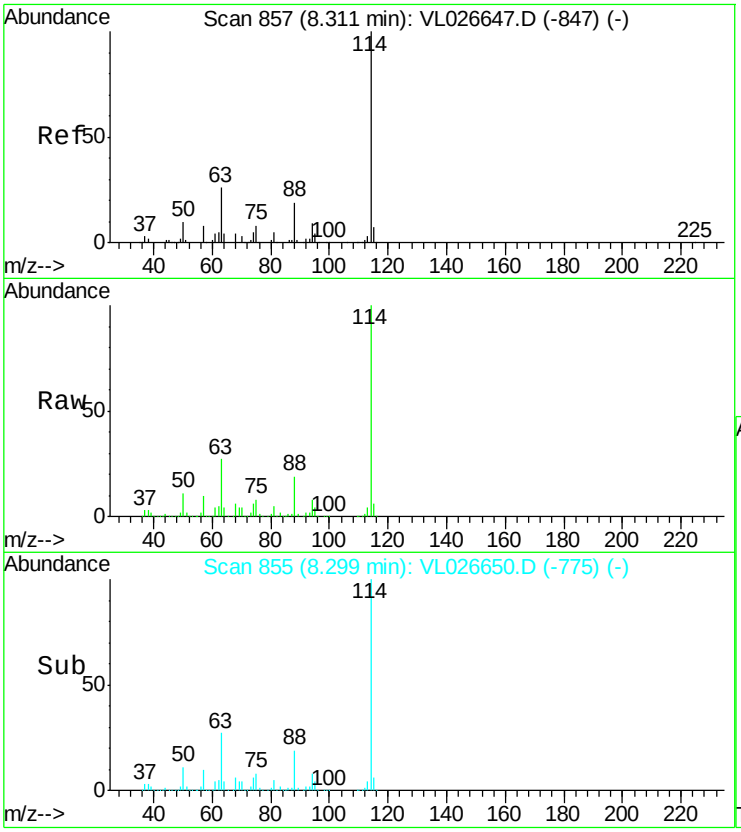


#32
1,1,1-Trichloroethane
Concen: 0.52 ppbv
RT: 7.57 min Scan# 736
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 97 Resp: 109831

Ion	Ratio	Lower	Upper
97	100		
99	61.5	50.8	76.2
61	49.2	38.6	58.0

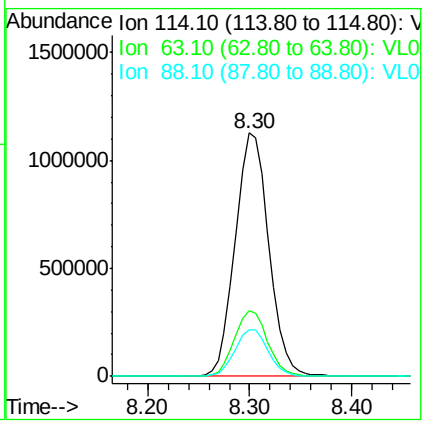




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:114 Resp: 2583581

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.7	32.5
88	19.1	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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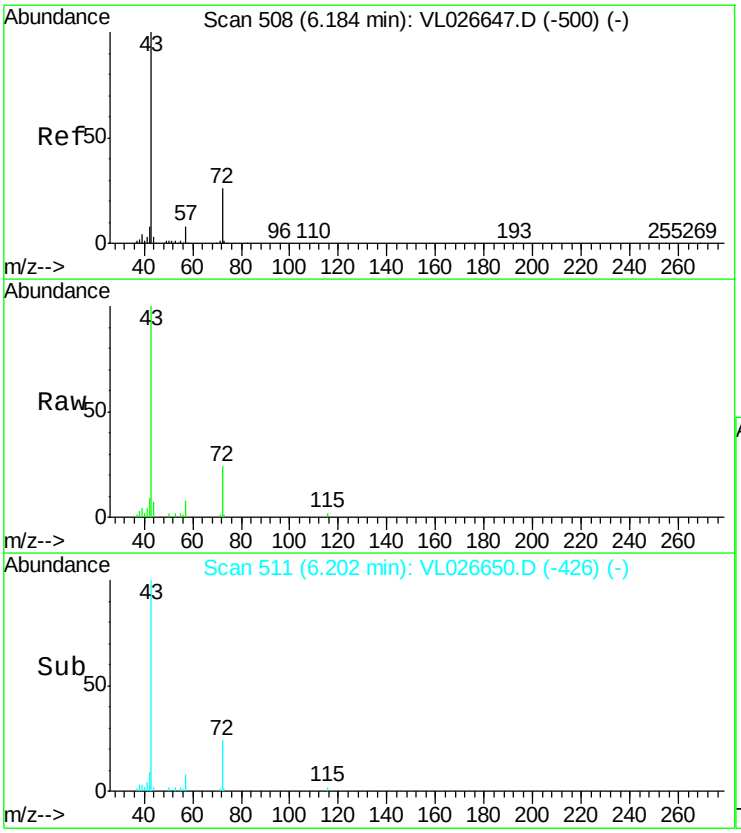
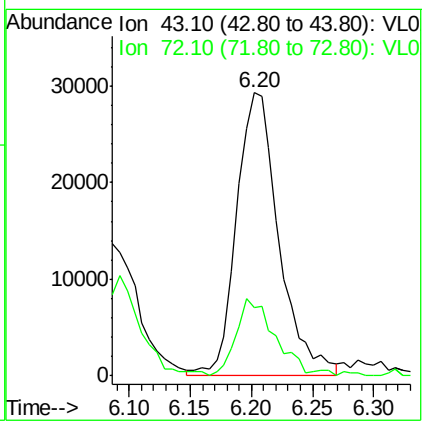
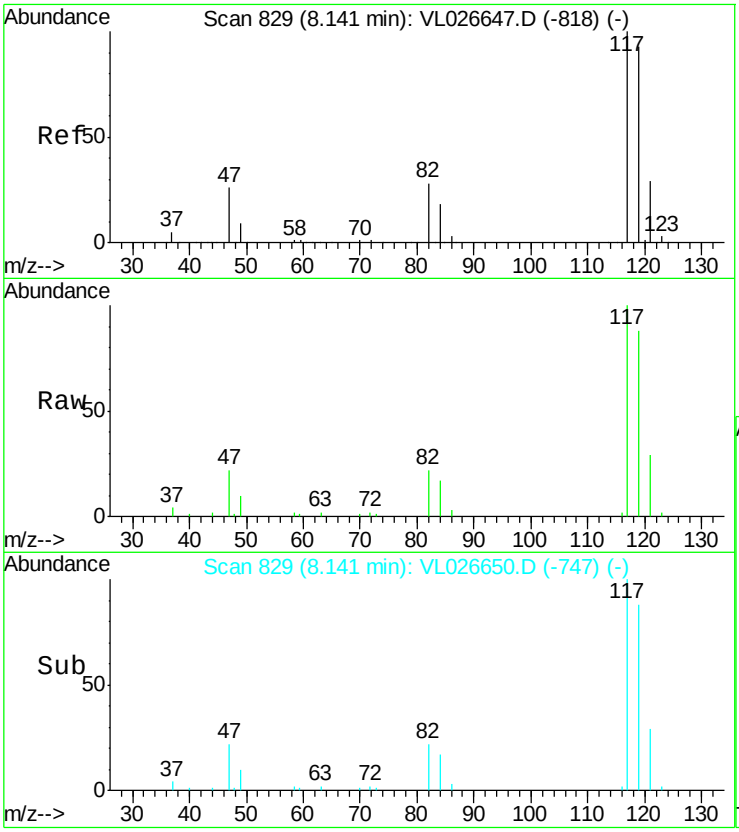


#34
2-Butanone
Concen: 0.52 ppbv
RT: 6.20 min Scan# 511
Delta R.T. 0.02 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 70671

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.9	31.3

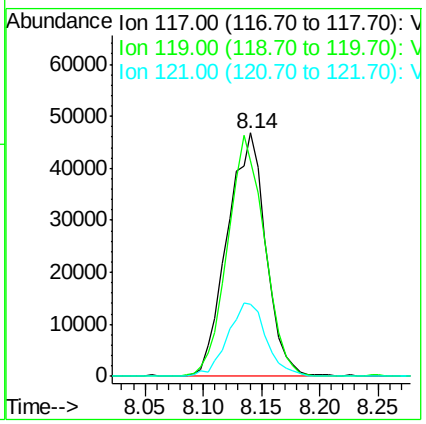




#35
Carbon Tetrachloride
Concen: 0.51 ppbv
RT: 8.14 min Scan# 829
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:117 Resp: 108032

Ion	Ratio	Lower	Upper
117	100		
119	88.3	74.7	112.1
121	29.4	23.1	34.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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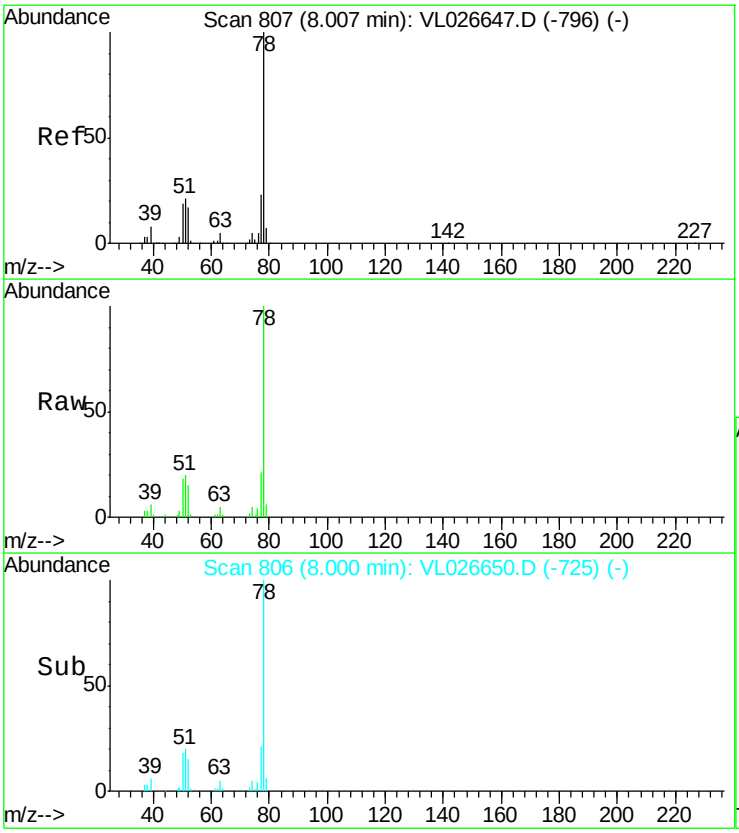
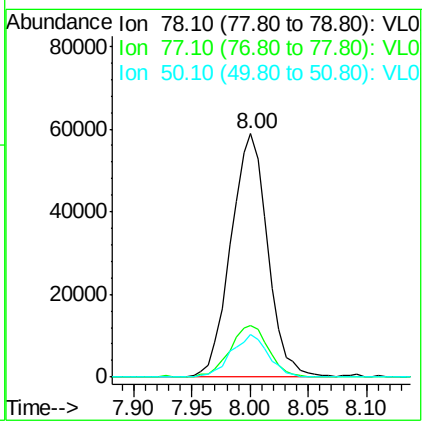
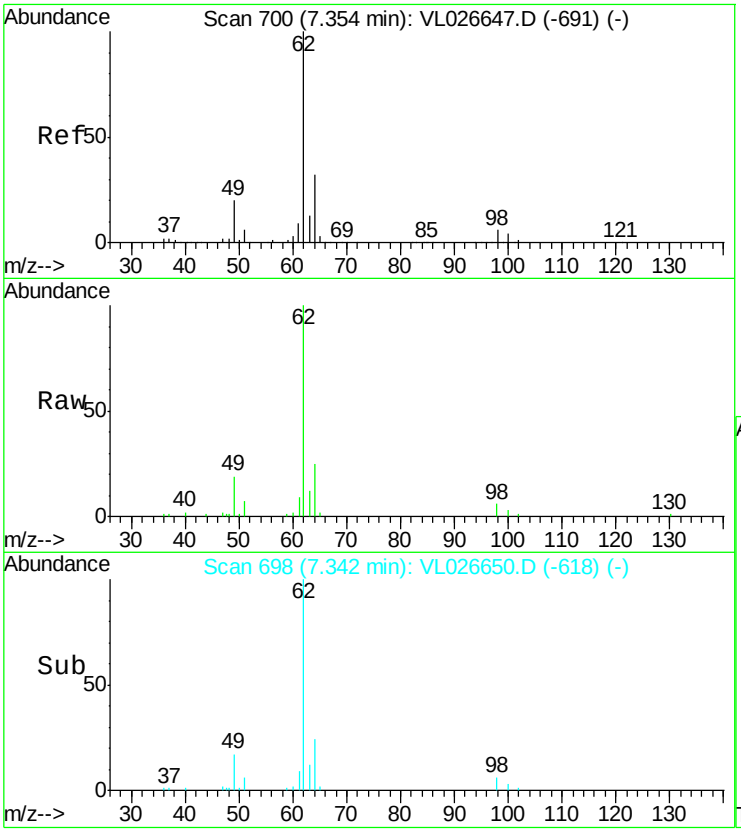


#36
Benzene
Concen: 0.50 ppbv
RT: 8.00 min Scan# 806
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 78 Resp: 129649

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.5	27.7
50	17.6	15.4	23.2

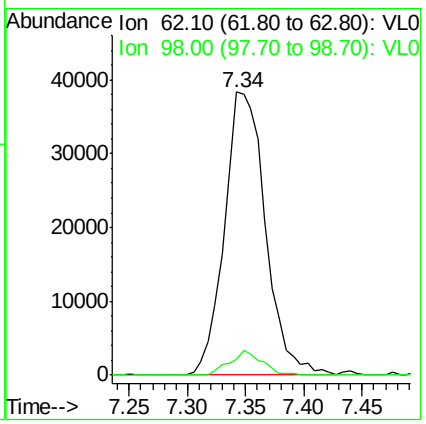




#37
1,2-Dichloroethane
Concen: 0.53 ppbv
RT: 7.34 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 62 Resp: 93921

Ion	Ratio	Lower	Upper
62	100		
98	6.9	4.8	7.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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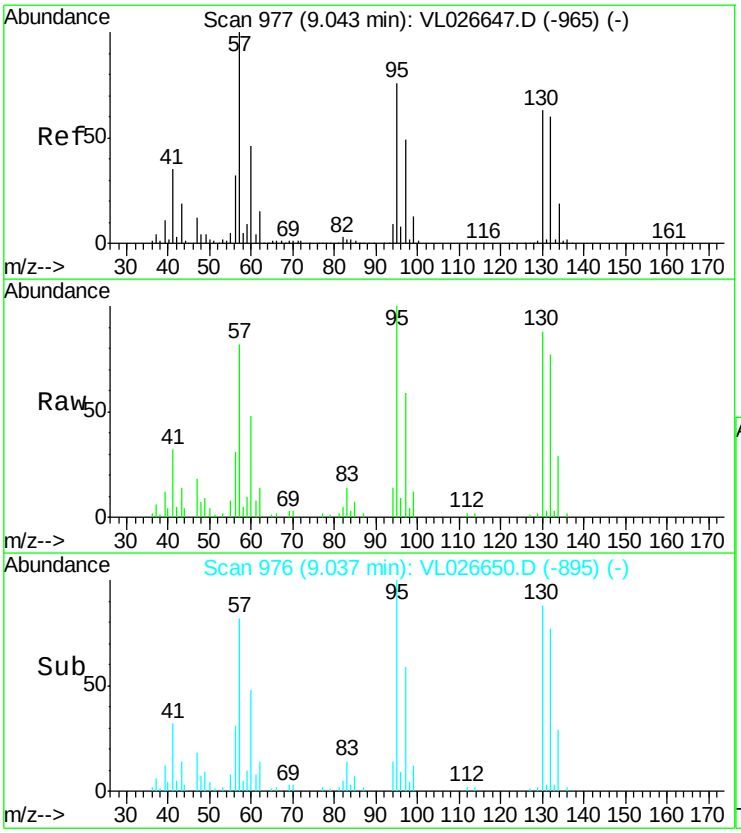
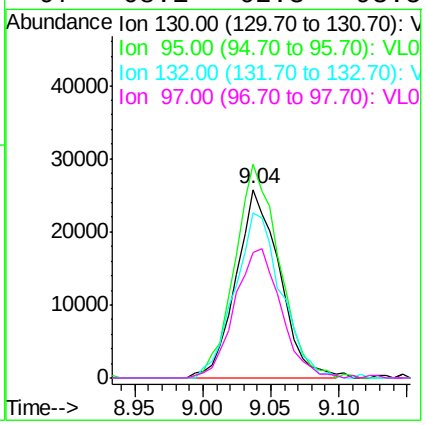
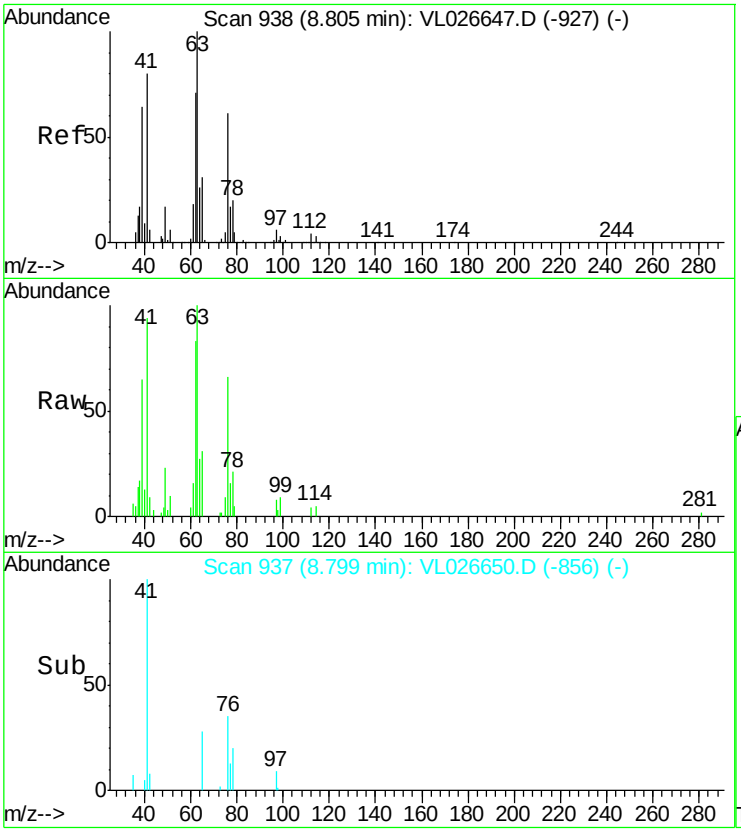


#38
Trichloroethene
Concen: 0.57 ppbv
RT: 9.04 min Scan# 976
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:130 Resp: 57618

Ion	Ratio	Lower	Upper
130	100		
95	115.9	96.6	145.0
132	89.4	76.2	114.4
97	68.1	62.3	93.5

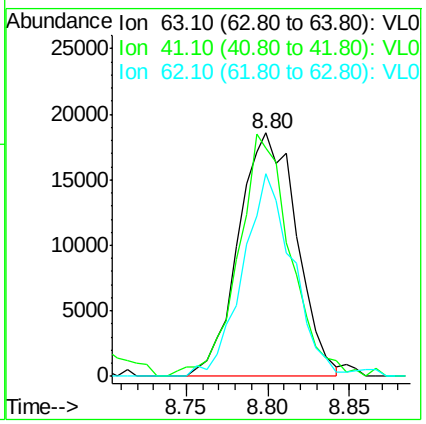




#39
1,2-Dichloropropane
Concen: 0.51 ppbv
RT: 8.80 min Scan# 937
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 63 Resp: 45919

Ion	Ratio	Lower	Upper
63	100		
41	90.2	64.1	96.1
62	83.5	56.6	84.8



Instrument :
MSVOA_L
ClientSampleId :
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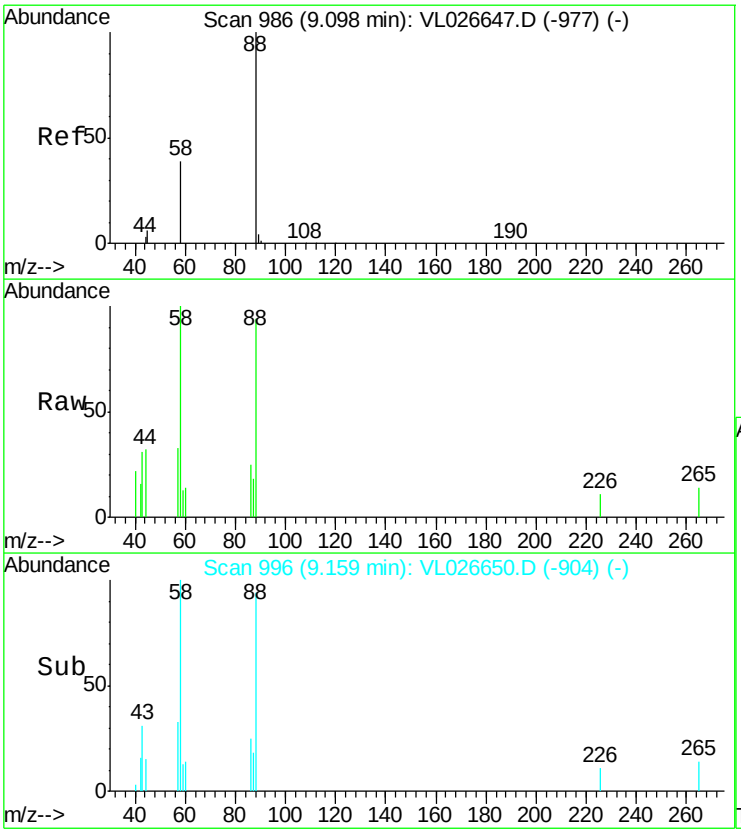
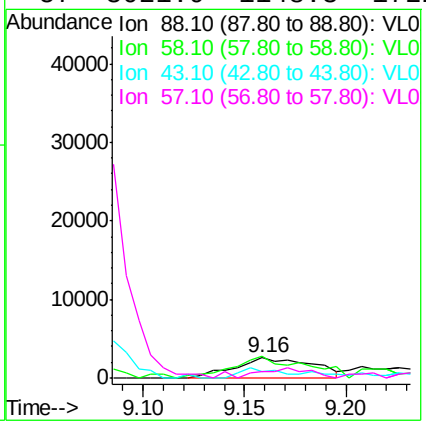
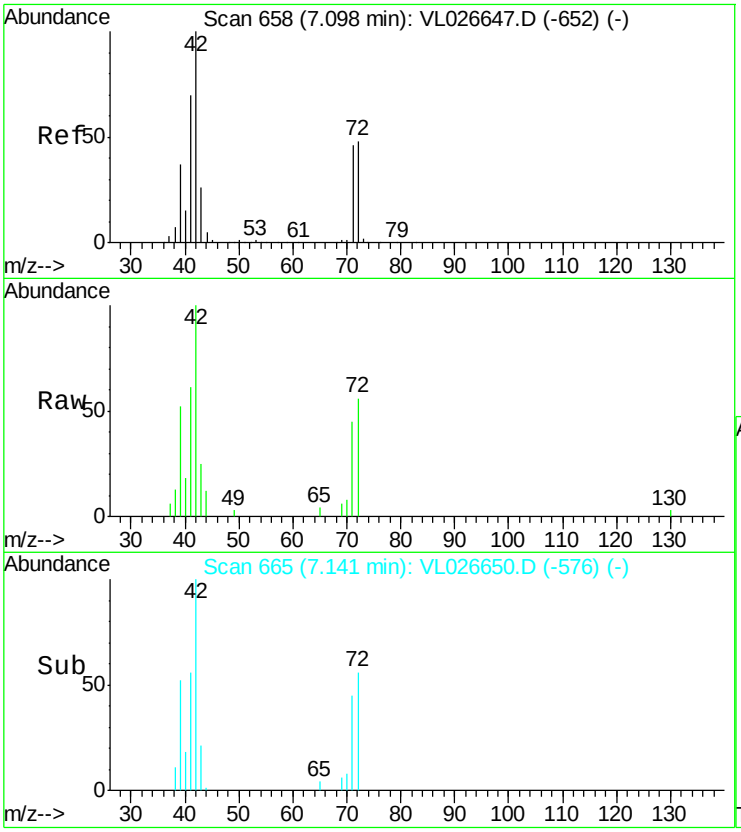


#40
1,4-Dioxane
Concen: 0.24 ppbv m
RT: 9.16 min Scan# 996
Delta R.T. 0.06 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 88 Resp: 6892

Ion	Ratio	Lower	Upper
88	100		
58	154.8	109.4	164.2
43	510.3	238.2	357.2#
57	3021.9	1148.3	1722.5#

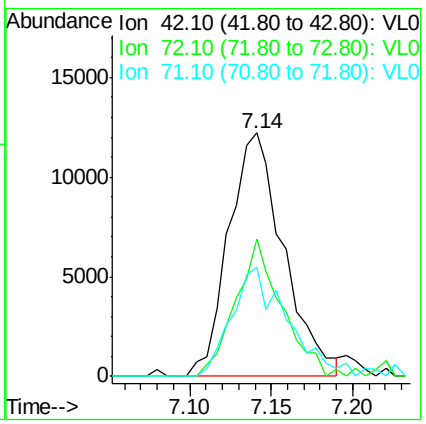




#41
Tetrahydrofuran
Concen: 0.40 ppbv
RT: 7.14 min Scan# 665
Delta R.T. 0.04 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 42 Resp: 28607

Ion	Ratio	Lower	Upper
42	100		
72	49.4	40.6	60.8
71	46.8	38.4	57.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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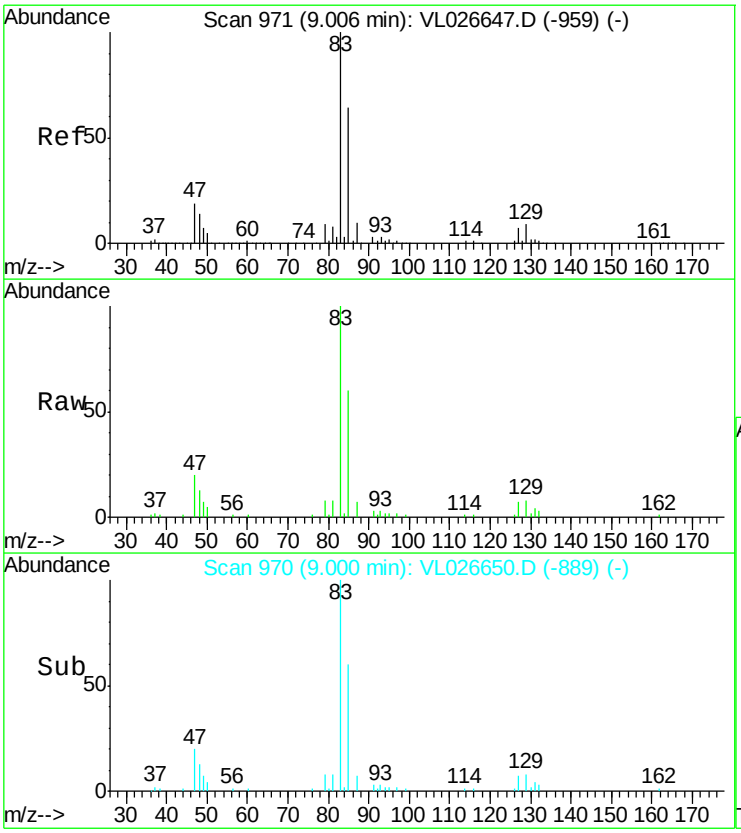
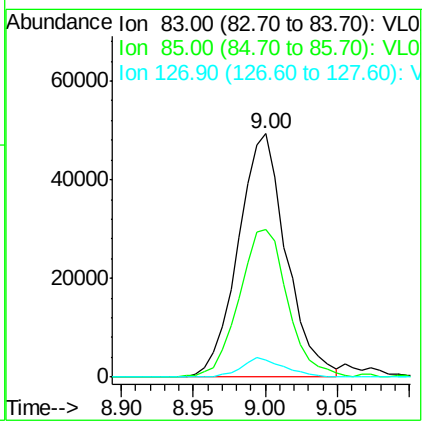
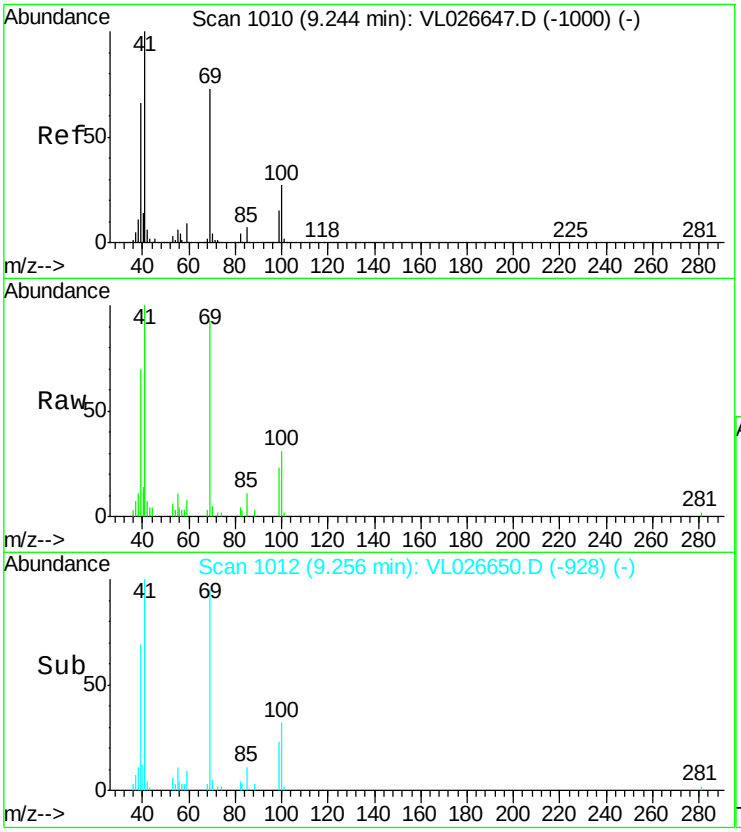


#42
Bromodichloromethane
Concen: 0.49 ppbv
RT: 9.00 min Scan# 970
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 83 Resp: 114124

Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.9	76.3
127	6.8	5.5	8.3

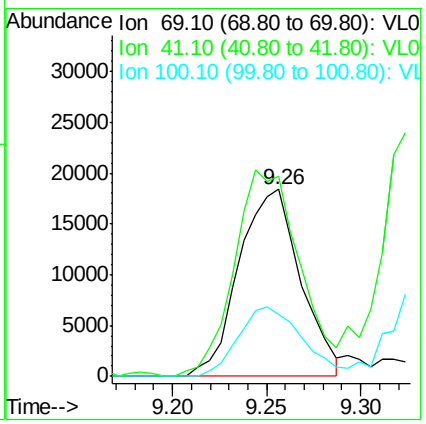




#43
Methyl Methacrylate
Concen: 0.41 ppbv
RT: 9.26 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 69 Resp: 41814

Ion	Ratio	Lower	Upper
69	100		
41	125.2	106.1	159.1
100	39.9	29.0	43.4



Instrument :
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ClientSampleId :
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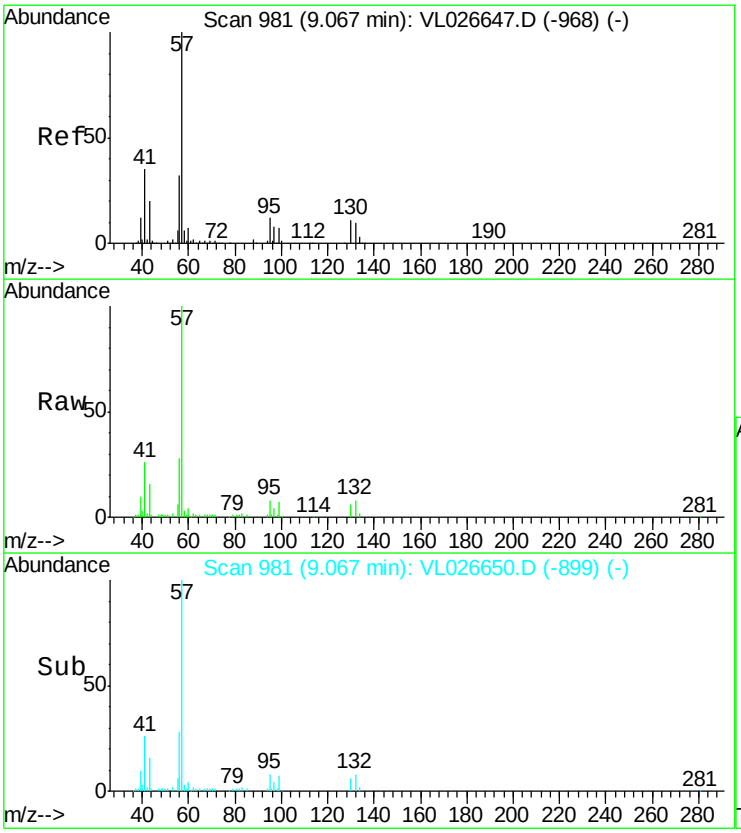
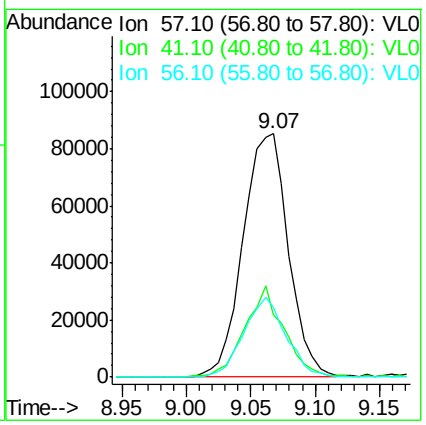
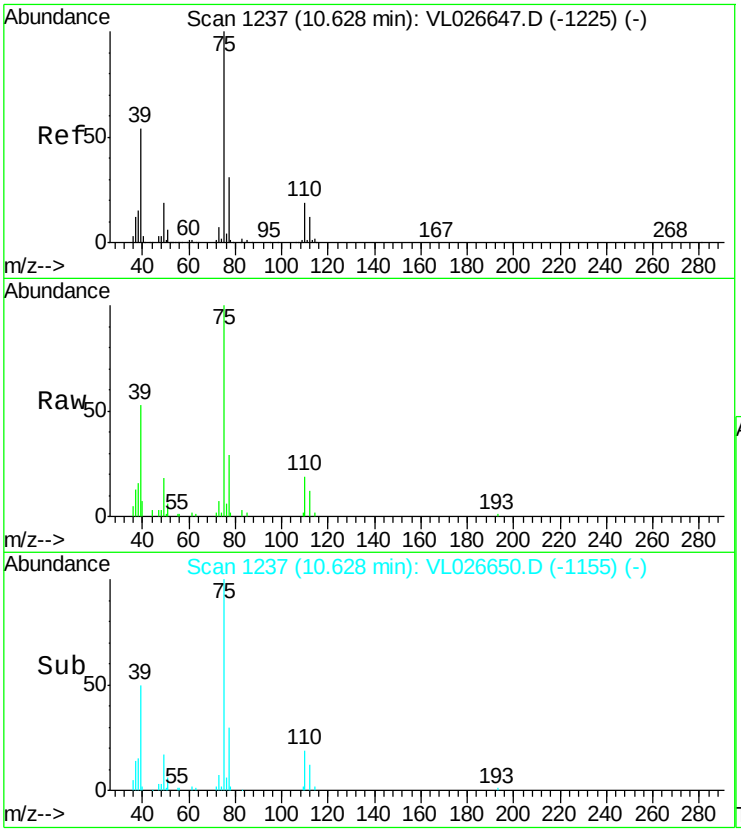


#44
2,2,4-Trimethylpentane
Concen: 0.51 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 57 Resp: 207883

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.9	40.3
56	30.6	25.4	38.0





#45
t-1,3-Dichloropropene
Concen: 0.33 ppbv
RT: 10.63 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 75 Resp: 59130

Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.6	37.0

Instrument :
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ClientSampleId :
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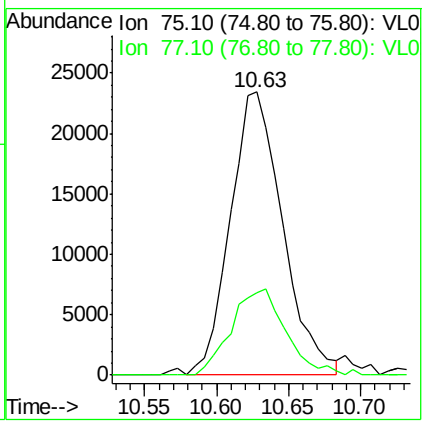
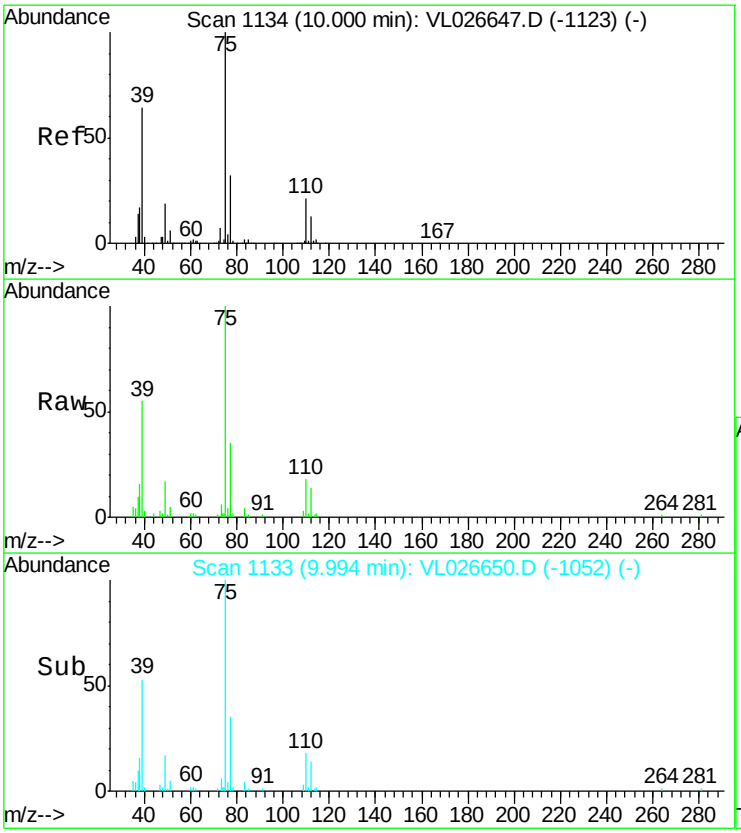
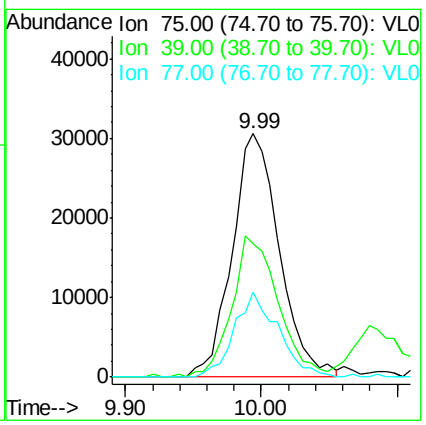


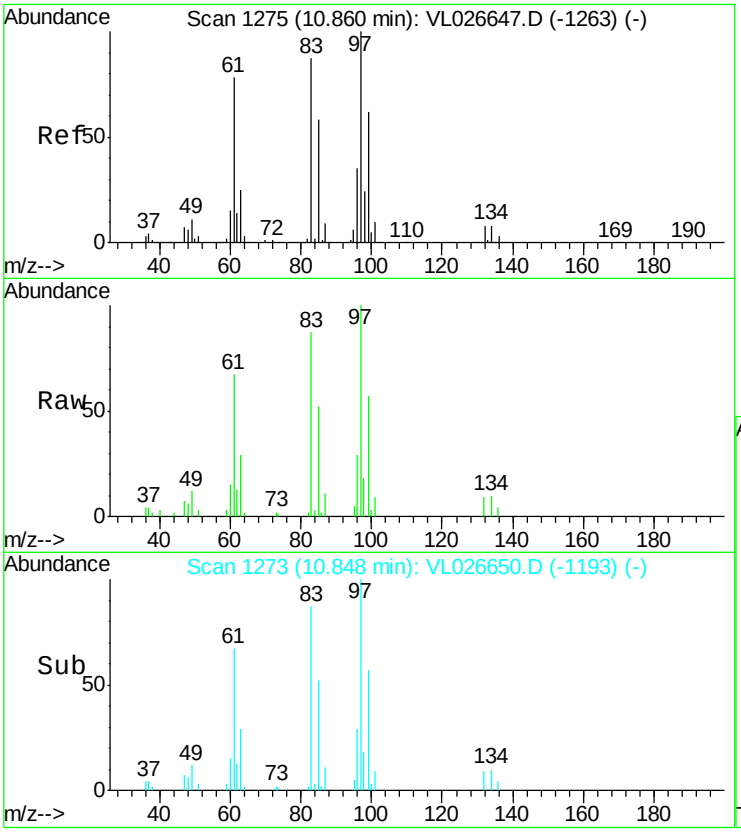


#46
cis-1,3-Dichloropropene
Concen: 0.39 ppbv
RT: 9.99 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 75 Resp: 74062

Ion	Ratio	Lower	Upper
75	100		
39	54.8	51.2	76.8
77	34.8	25.9	38.9

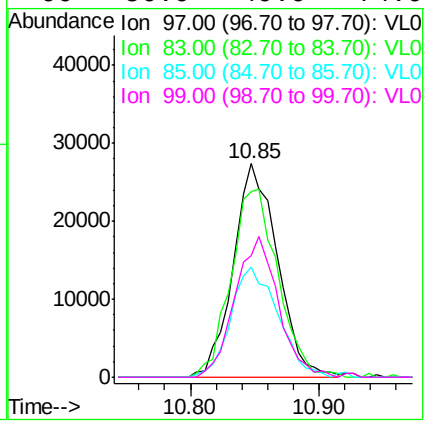




#47
1,1,2-Trichloroethane
Concen: 0.52 ppbv
RT: 10.85 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 97 Resp: 65286

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	51.7	46.4	69.6
99	56.9	49.9	74.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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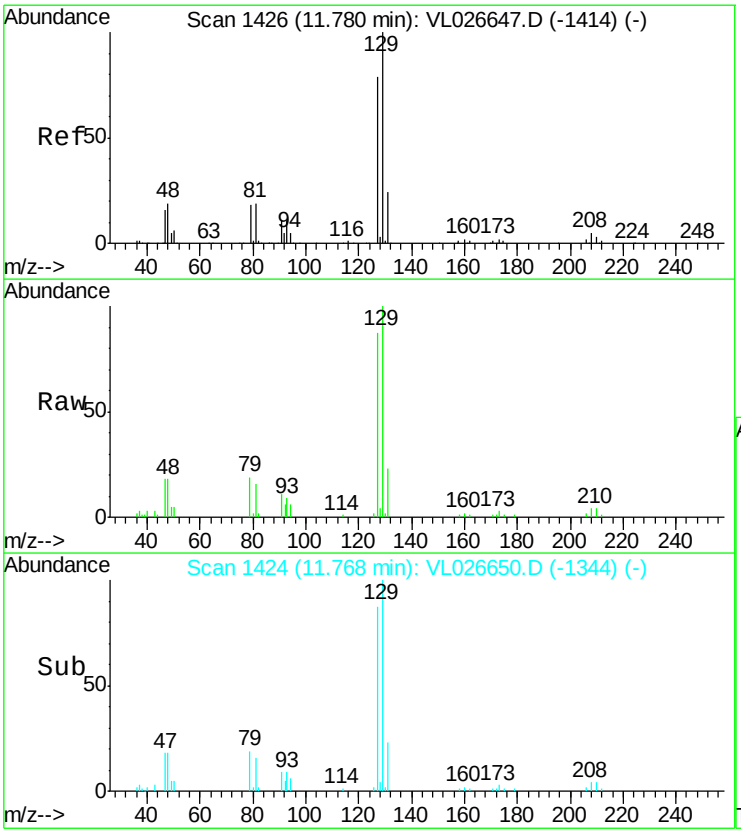
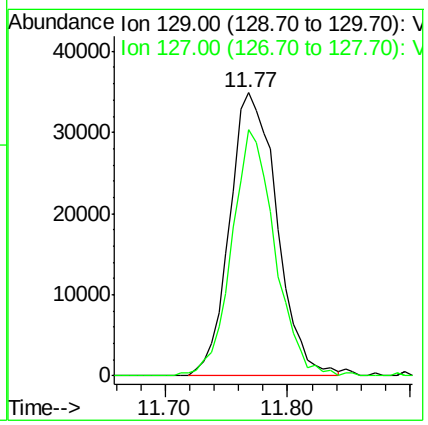
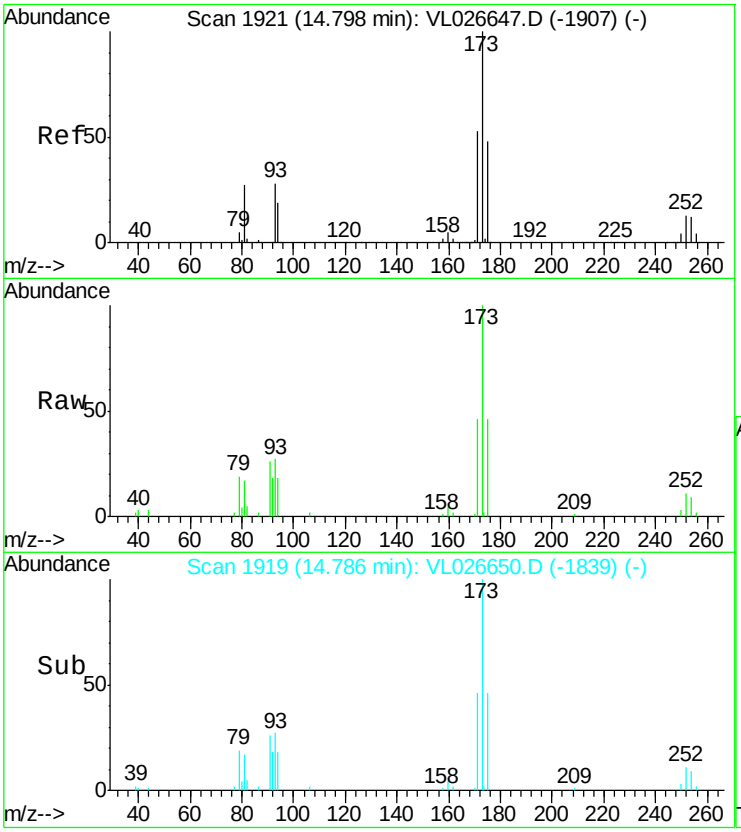


#48
Dibromochloromethane
Concen: 0.47 ppbv
RT: 11.77 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:129 Resp: 93612

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.5	118.5

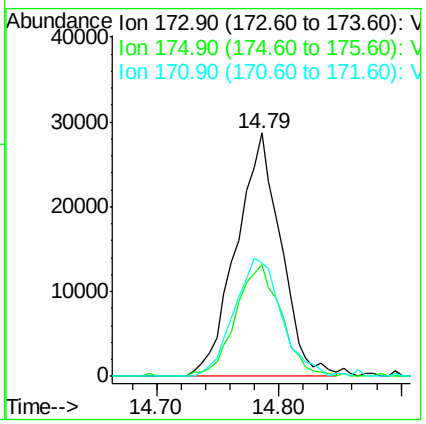




#49
Bromoform
Concen: 0.44 ppbv
RT: 14.79 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:173 Resp: 72781

Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.6	57.8
171	51.9	41.5	62.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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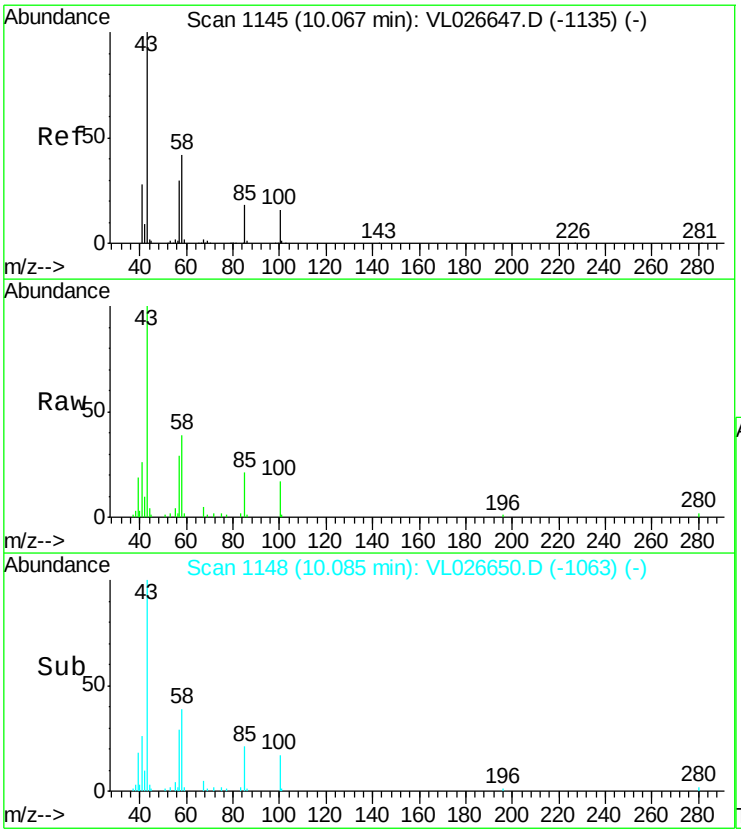
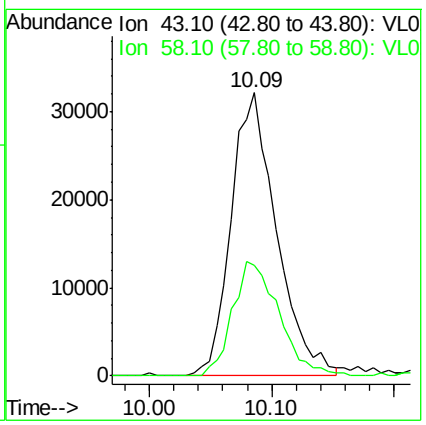
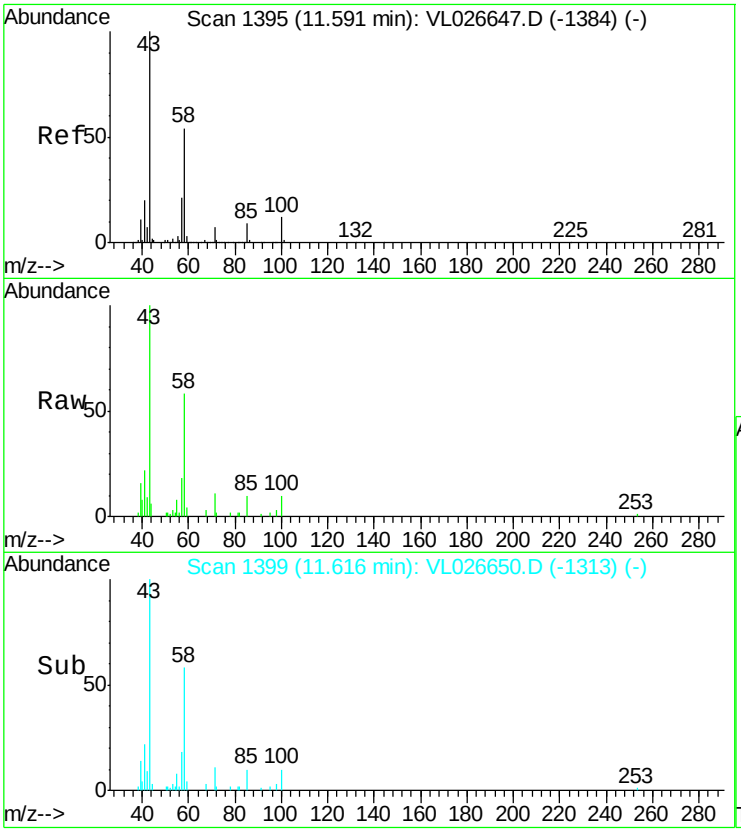


#50
4-Methyl-2-Pentanone
Concen: 0.41 ppbv
RT: 10.09 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 82815

Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.4	48.6





#51
2-Hexanone
Concen: 0.33 ppbv
RT: 11.62 min Scan# 1399
Delta R.T. 0.02 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 43 Resp: 65062

Ion	Ratio	Lower	Upper
43	100		
58	54.5	44.9	67.3
98	1.9	0.2	0.2#

Instrument :
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ClientSampleId :
VSTDICC0.5

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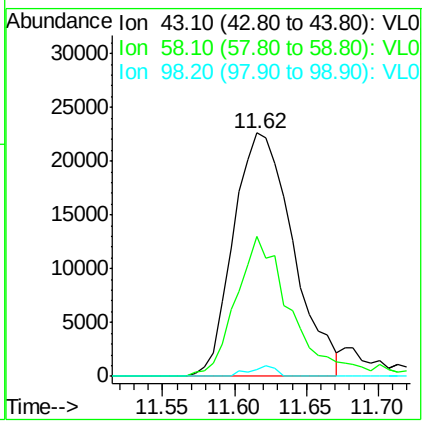
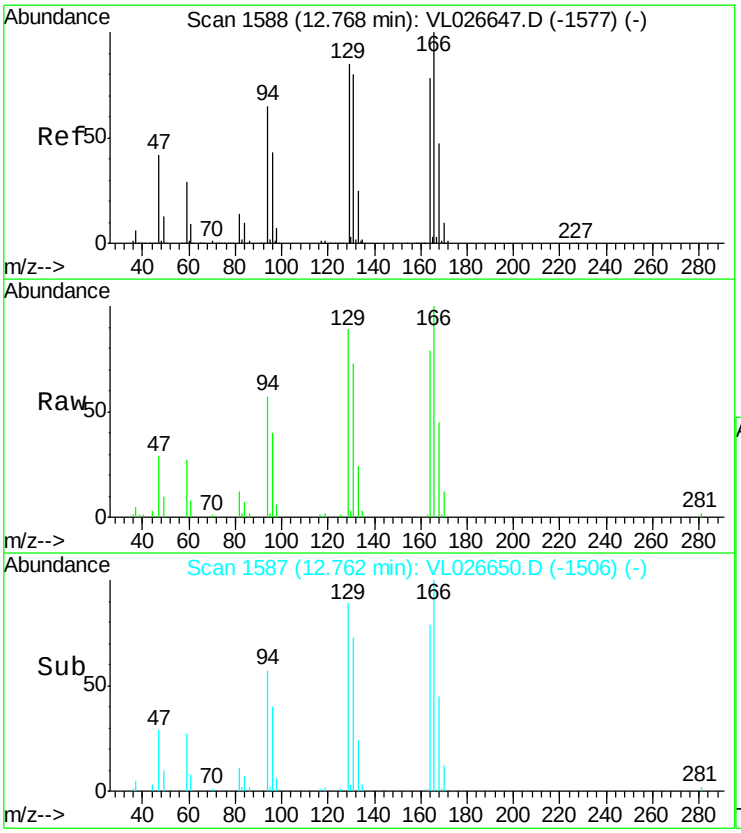
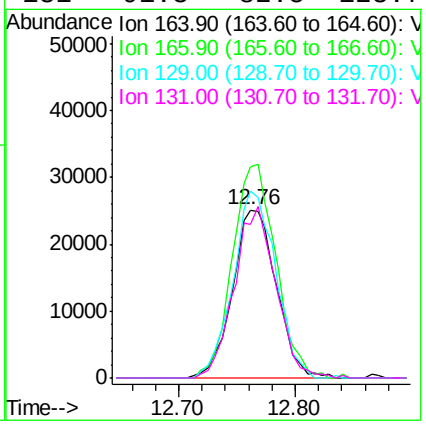


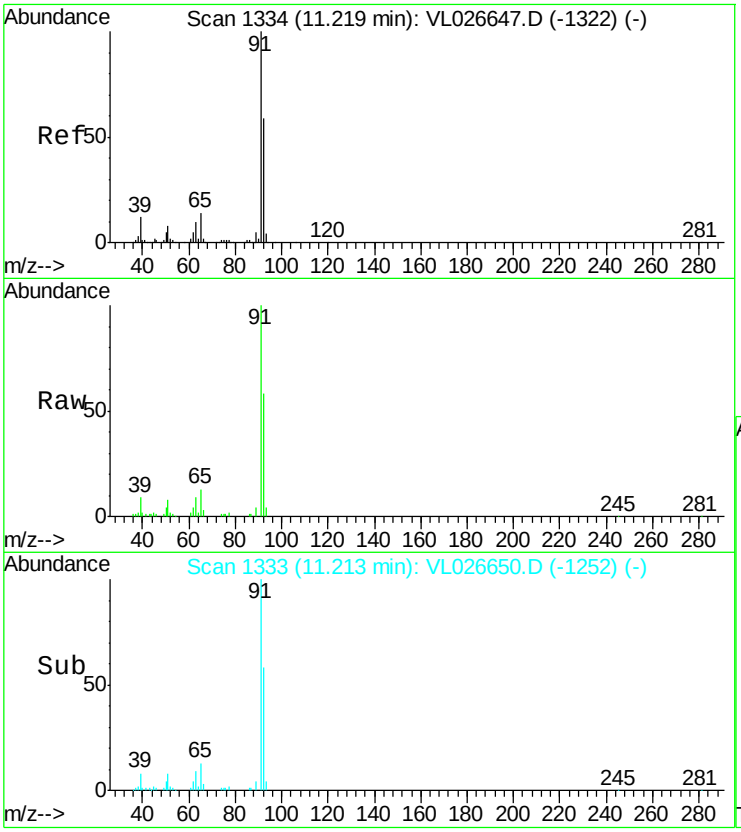


#52
Tetrachloroethene
Concen: 0.58 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:164 Resp: 65951

Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.5	153.7
129	111.5	87.0	130.6
131	91.3	82.5	123.7





#53
Toluene
Concen: 0.45 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 168018

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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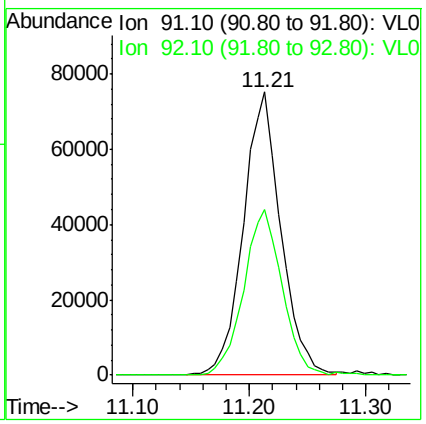
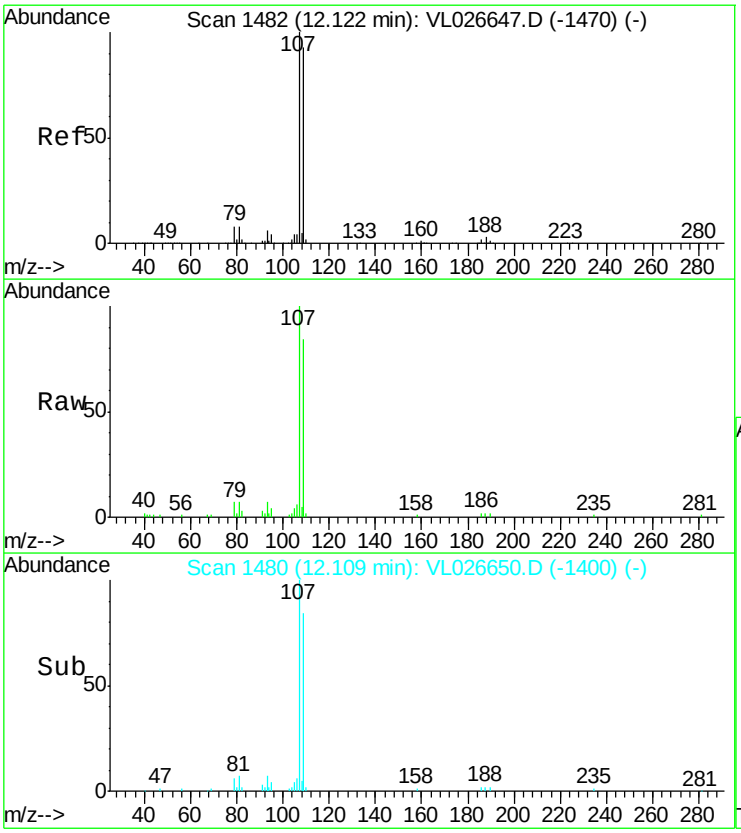
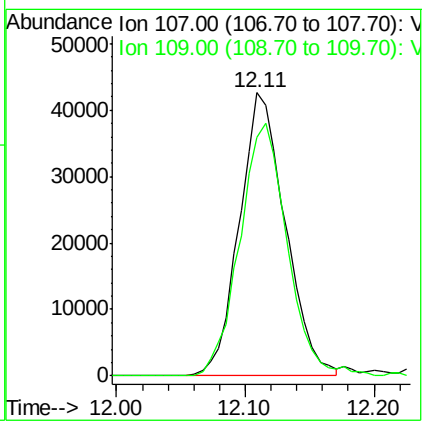


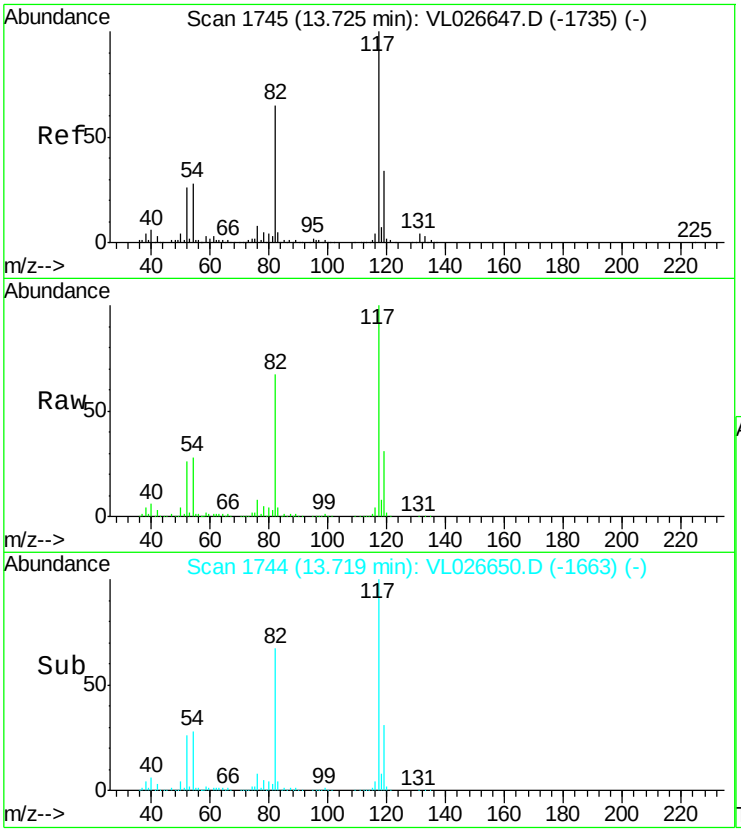


#54
1,2-Dibromoethane
Concen: 0.53 ppbv
RT: 12.11 min Scan# 1480
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:107 Resp: 105247

Ion	Ratio	Lower	Upper
107	100		
109	84.2	74.1	111.1

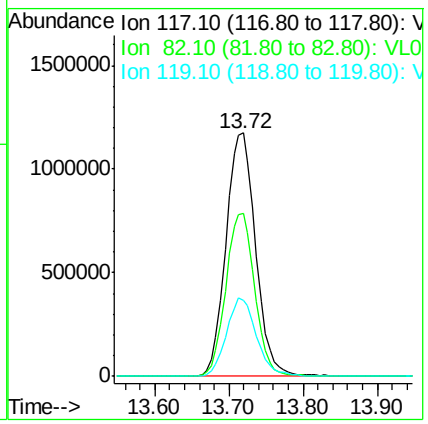




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:117 Resp: 3276884

Ion	Ratio	Lower	Upper
117	100		
82	65.6	52.4	78.6
119	32.8	46.1	69.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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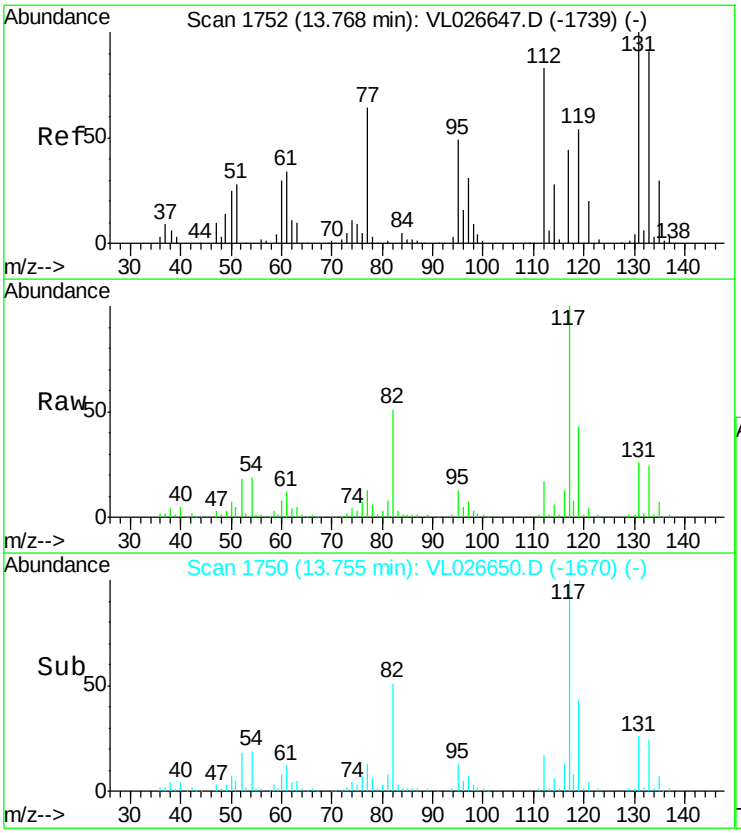
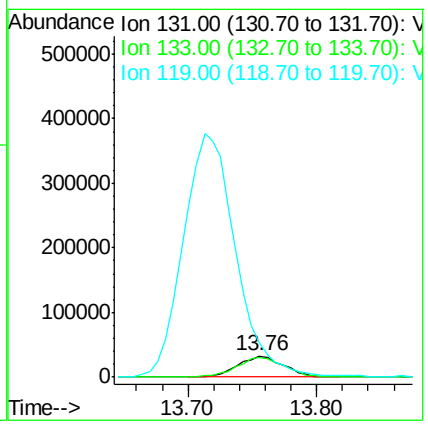
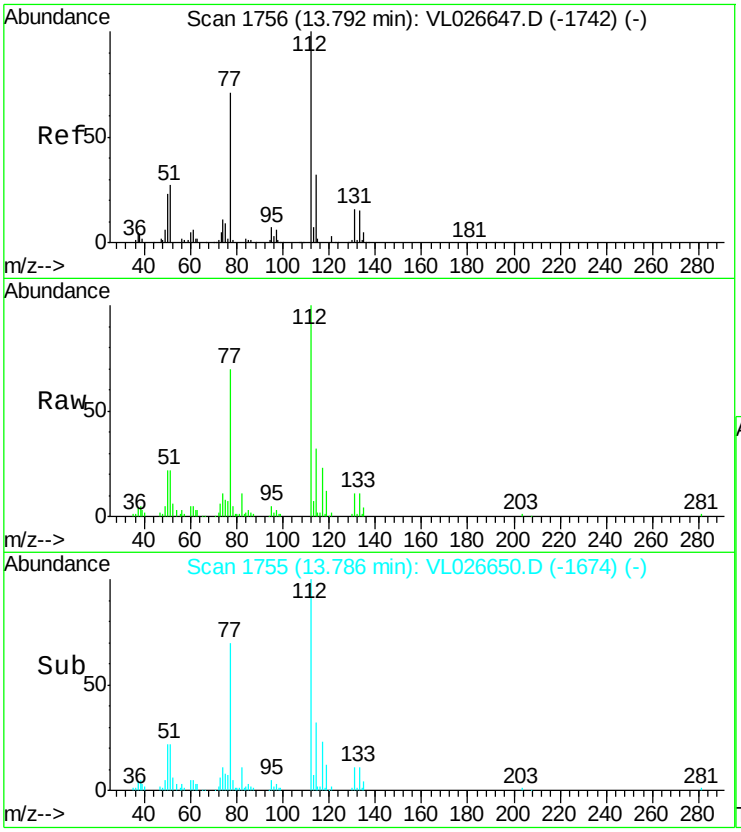


#56
1,1,1,2-Tetrachloroethane
Concen: 0.56 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:131 Resp: 81263

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.2	114.4
119	1322.2	104.3	156.5#

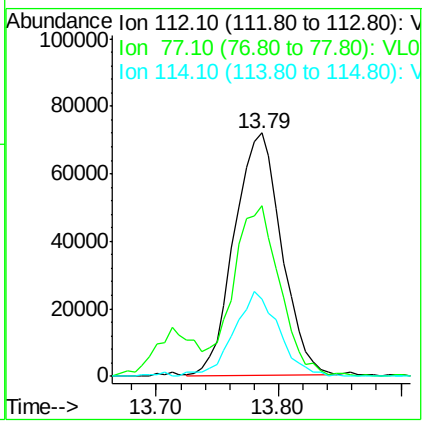




#57
Chlorobenzene
Concen: 0.63 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:112 Resp: 192819

Ion	Ratio	Lower	Upper
112	100		
77	69.6	56.9	85.3
114	31.6	28.8	35.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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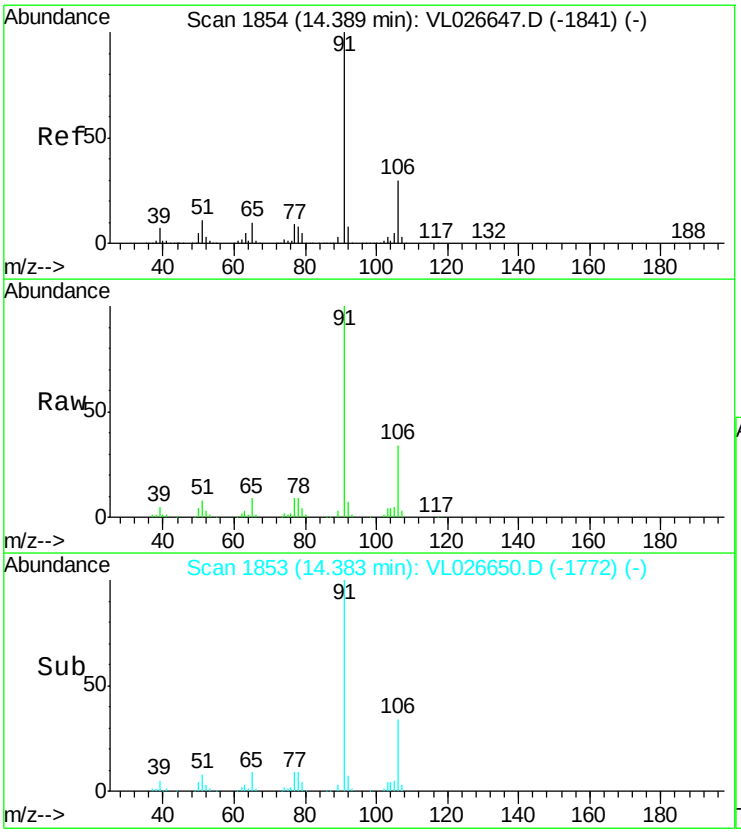
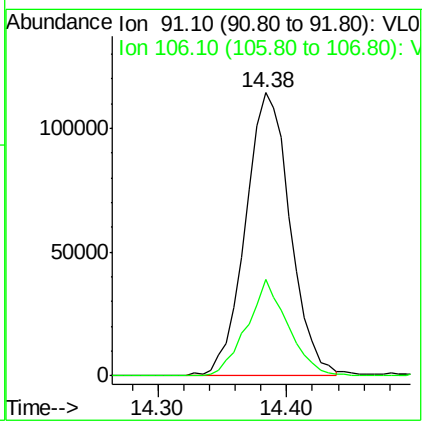
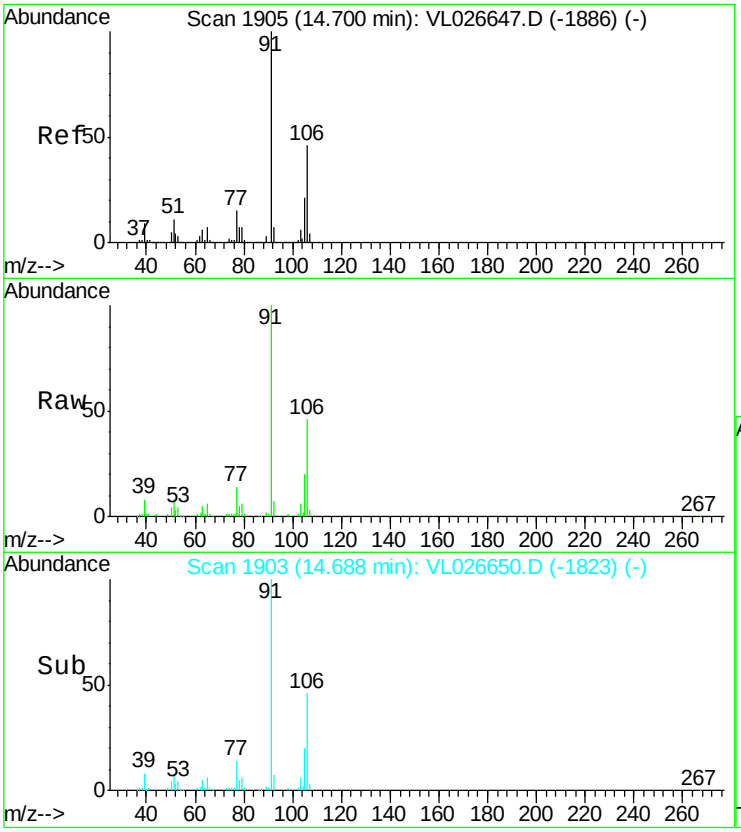


#58
Ethyl Benzene
Concen: 0.47 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 275312

Ion	Ratio	Lower	Upper
91	100		
106	34.1	23.8	35.6

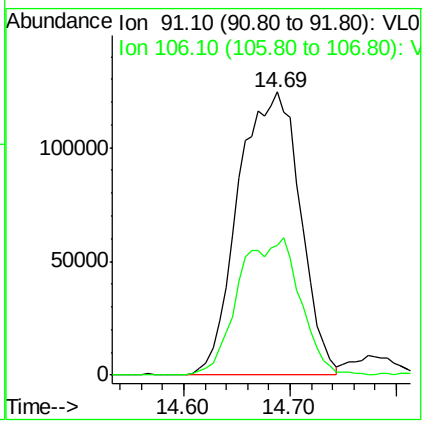




#59
m/p-Xylene
Concen: 1.11 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 503922

Ion	Ratio	Lower	Upper
91	100		
106	48.5	36.6	55.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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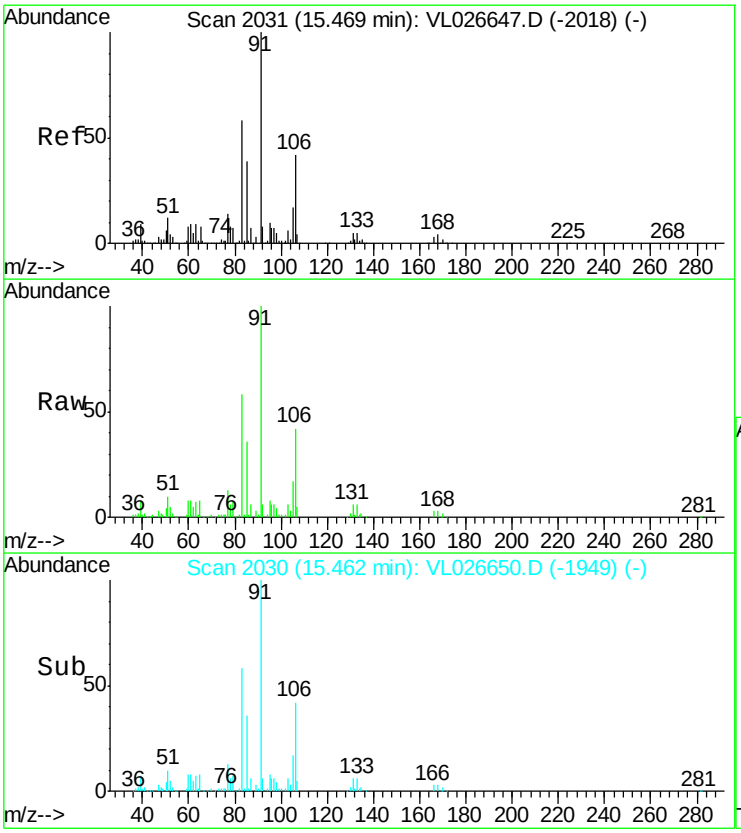
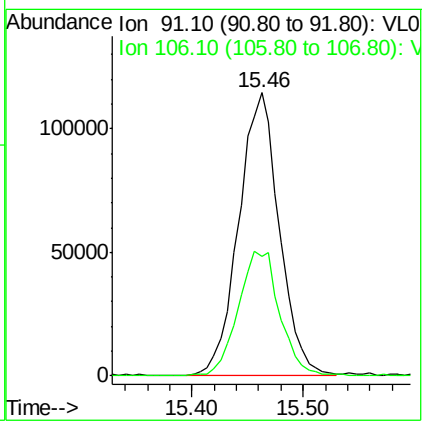
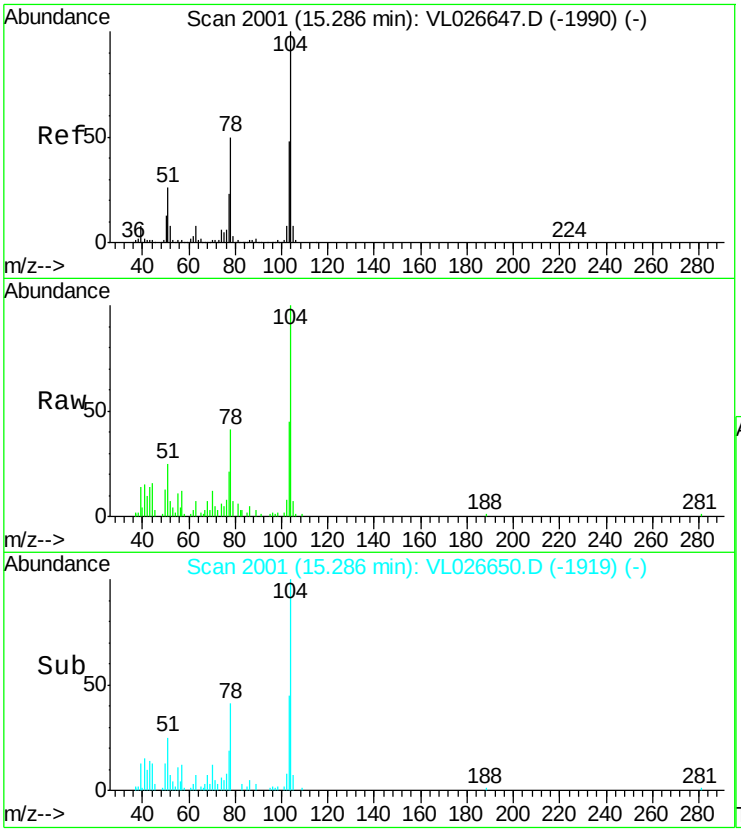


#60
o-Xylene
Concen: 0.62 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 290629

Ion	Ratio	Lower	Upper
91	100		
106	45.1	21.4	64.3

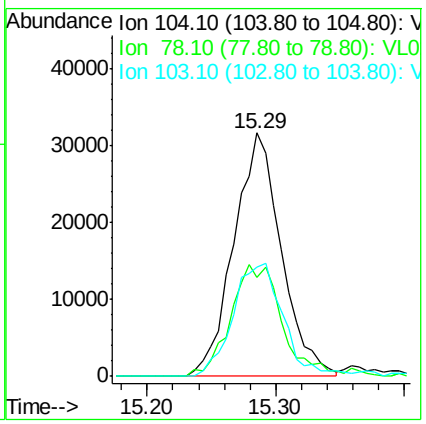




#61
Stvrene
Concen: 0.36 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:104 Resp: 80915

Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.5	59.3
103	49.8	37.8	56.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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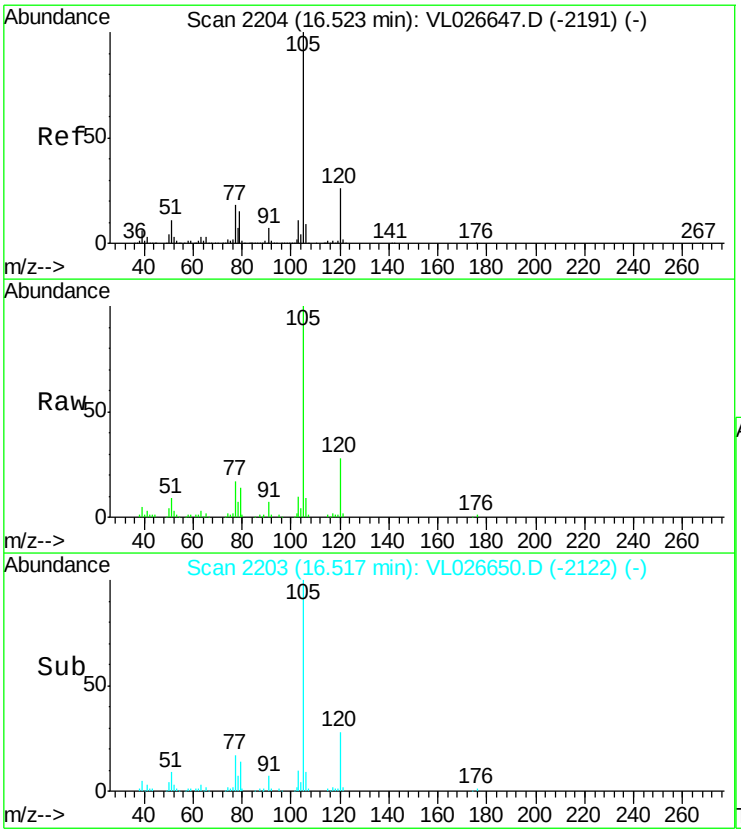
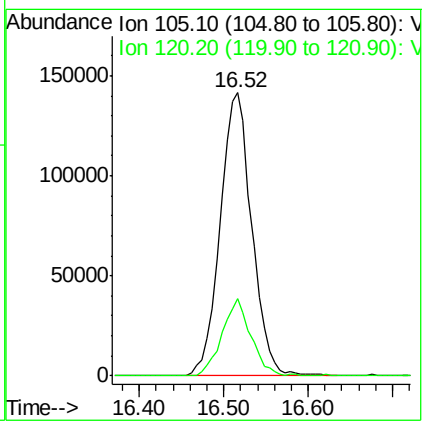
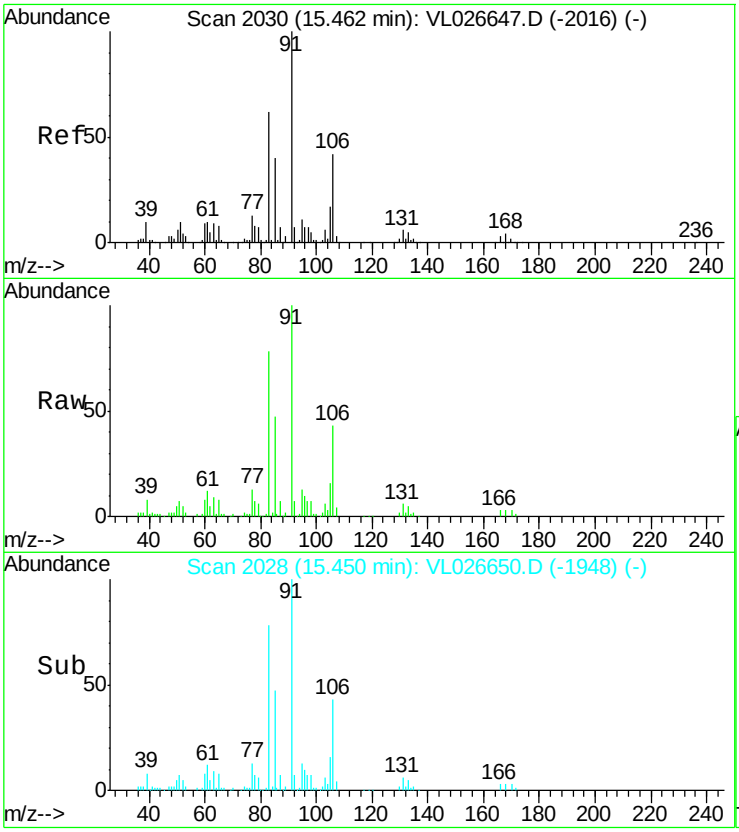


#62
Isopropylbenzene
Concen: 0.55 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:105 Resp: 362357

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.3	30.5

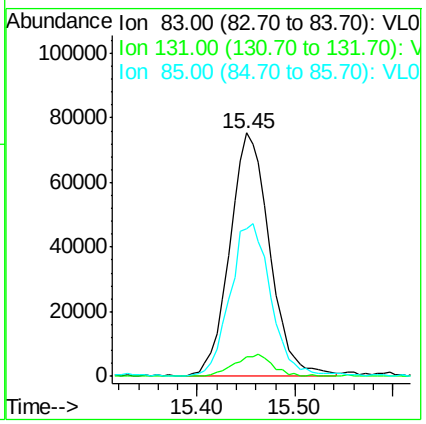




#63
1,1,2,2-Tetrachloroethane
Concen: 0.71 ppbv
RT: 15.45 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 83 Resp: 213147

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.5	13.4
85	65.0	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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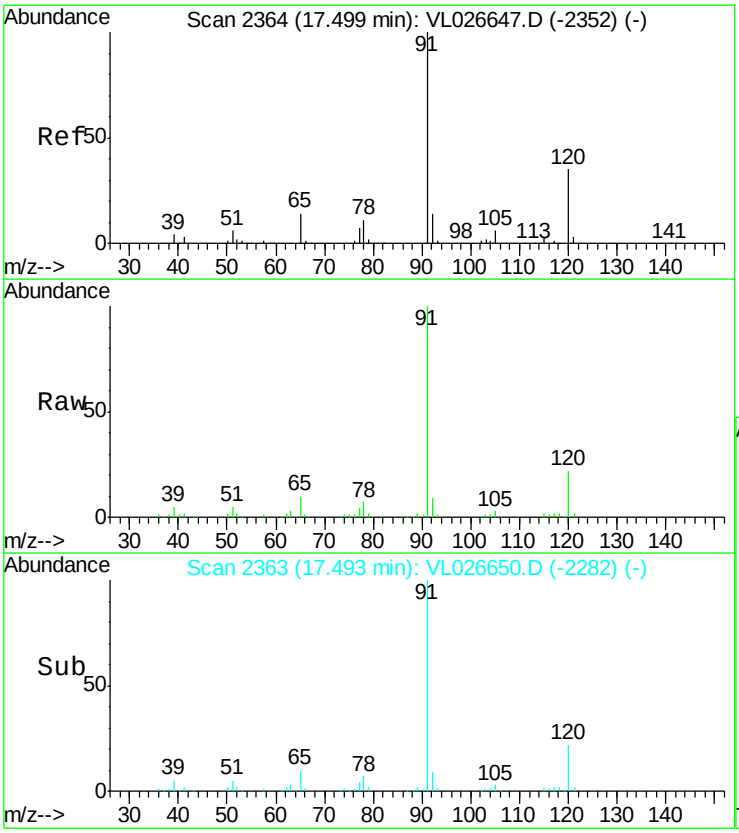
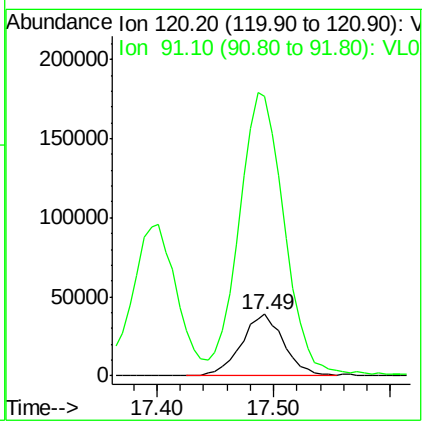
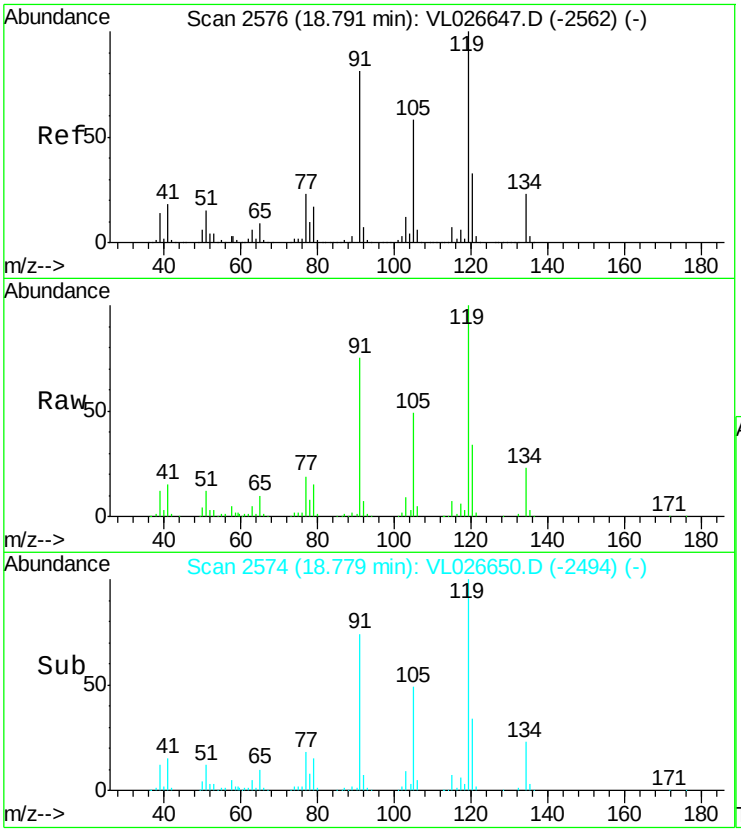


#64
n-propylbenzene
Concen: 0.57 ppbv
RT: 17.49 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:120 Resp: 99177

Ion	Ratio	Lower	Upper
120	100		
91	487.9	380.9	571.3

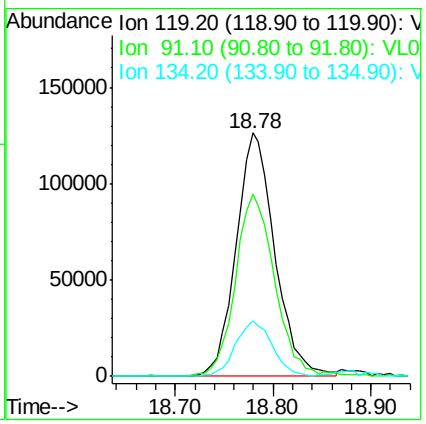




#65
tert-Butylbenzene
Concen: 0.64 ppbv
RT: 18.78 min Scan# 2574
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:119 Resp: 346825

Ion	Ratio	Lower	Upper
119	100		
91	76.6	64.8	97.2
134	21.7	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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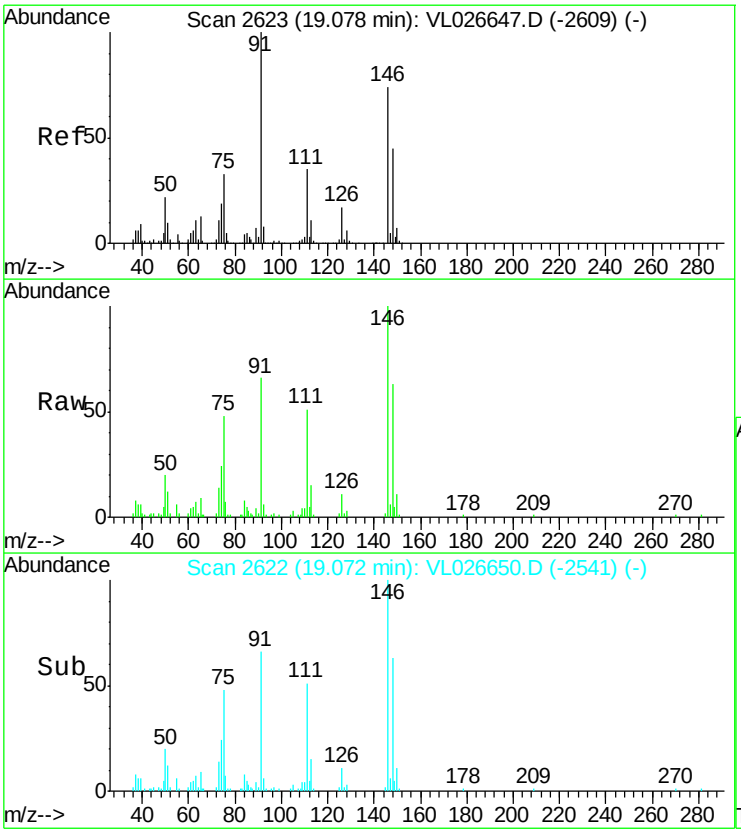
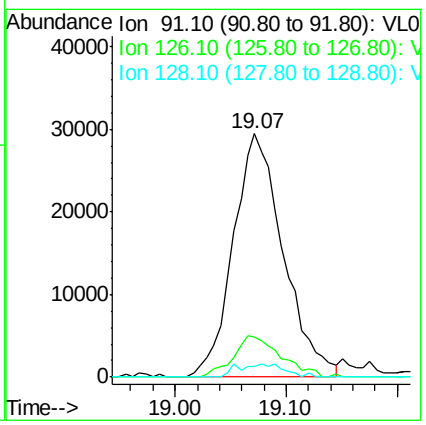
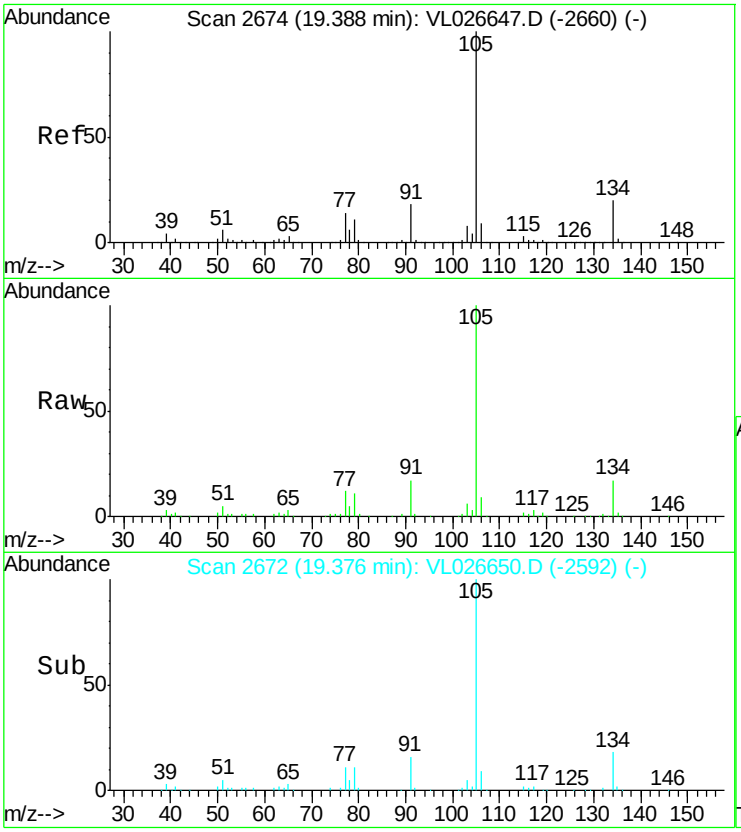


#66
Benzyl Chloride
Concen: 0.36 ppbv
RT: 19.07 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 92150

Ion	Ratio	Lower	Upper
91	100		
126	16.2	14.2	21.2
128	5.0	4.5	6.7

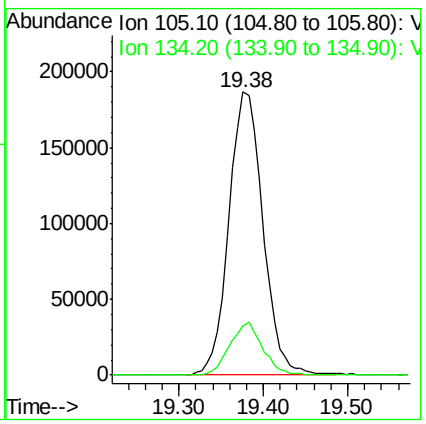




#67
sec-Butylbenzene
Concen: 0.60 ppbv
RT: 19.38 min Scan# 2672
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:105 Resp: 509652

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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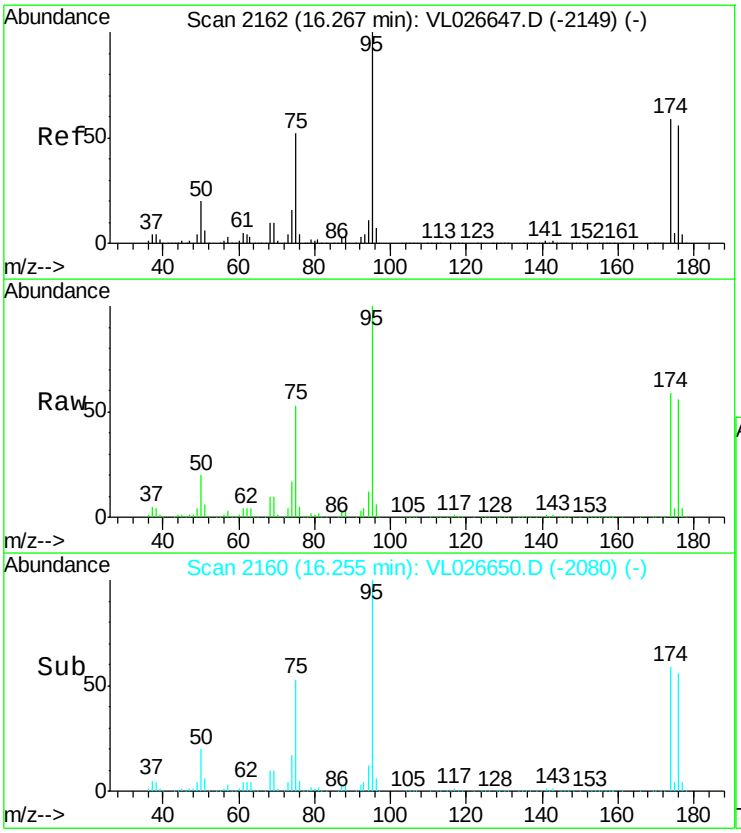
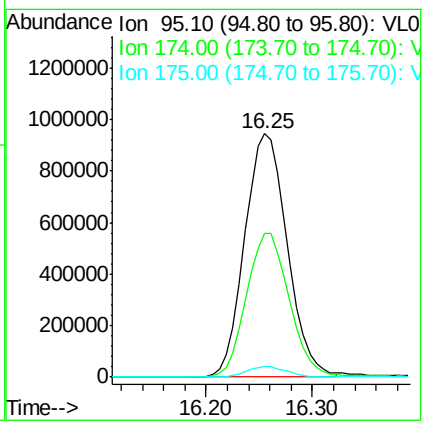
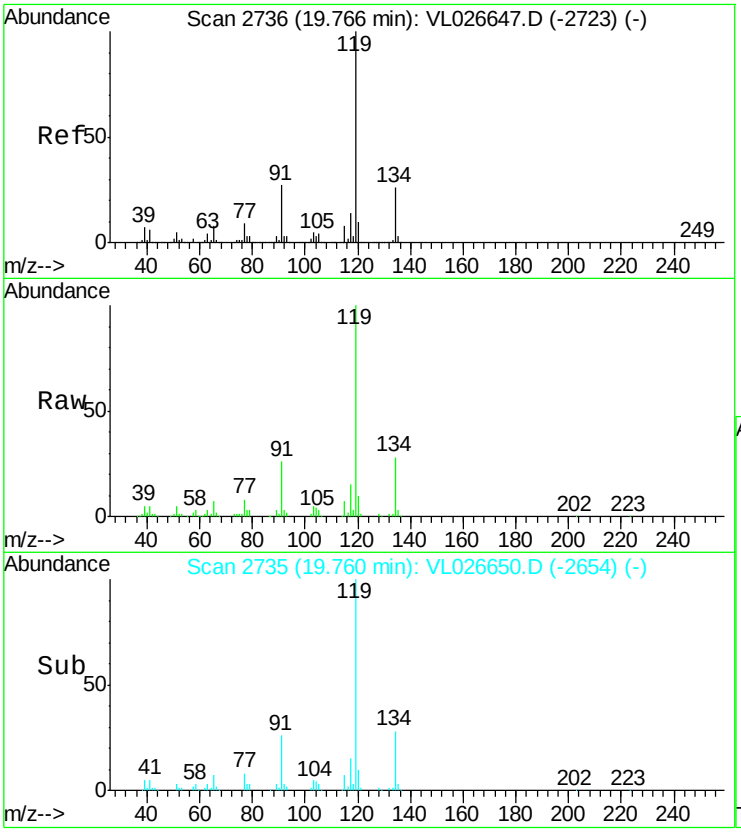


#68
1-Bromo-4-Fluorobenzene
Concen: 10.01 ppbv
RT: 16.25 min Scan# 2160
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 95 Resp: 2643267

Ion	Ratio	Lower	Upper
95	100		
174	60.5	47.8	71.6
175	4.3	3.5	5.3

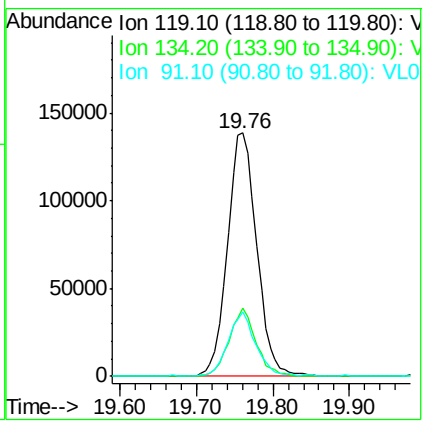




#69
p-Isopropyltoluene
Concen: 0.55 ppbv
RT: 19.76 min Scan# 2735
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:119 Resp: 367437

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	25.4	21.8	32.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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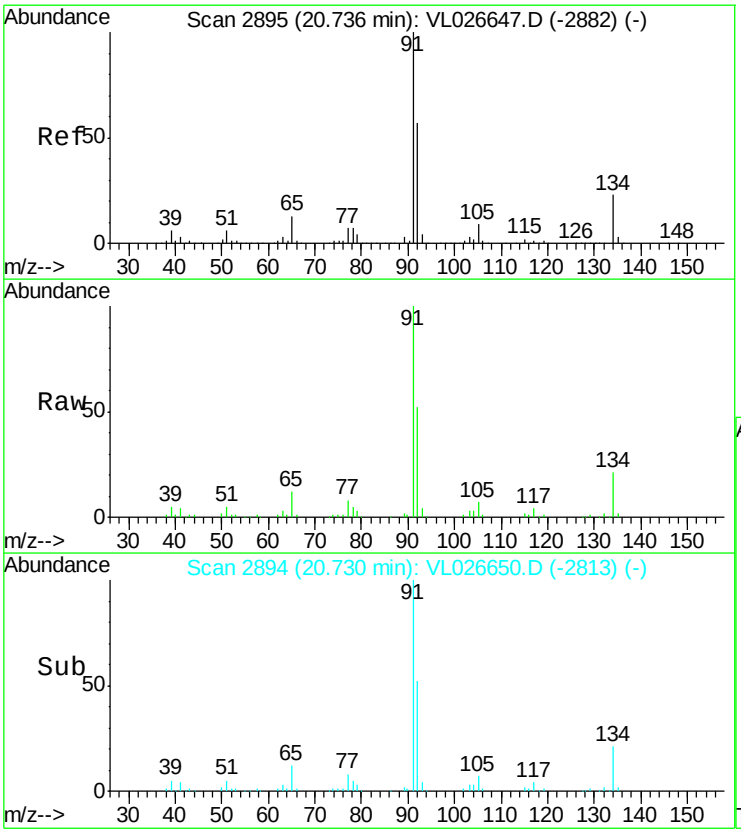
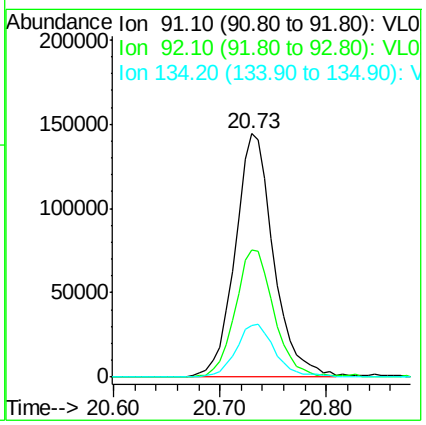
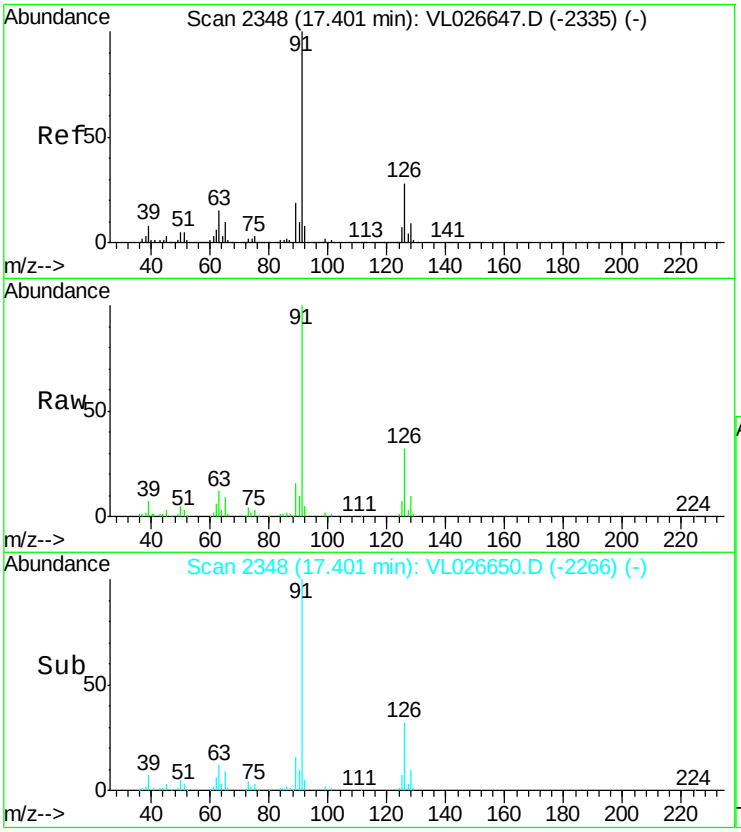


#70
n-Butylbenzene
Concen: 0.52 ppbv
RT: 20.73 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 362207

Ion	Ratio	Lower	Upper
91	100		
92	53.9	45.0	67.6
134	22.1	18.2	27.2

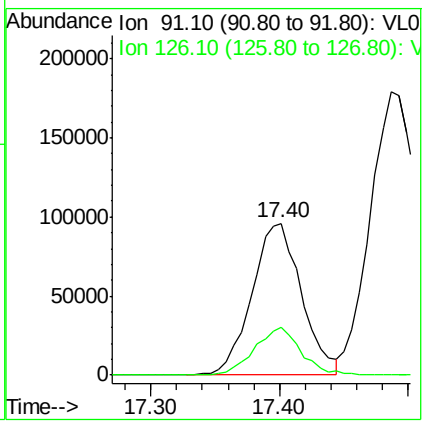




#71
2-Chlorotoluene
Concen: 0.48 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion: 91 Resp: 256122

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.4	45.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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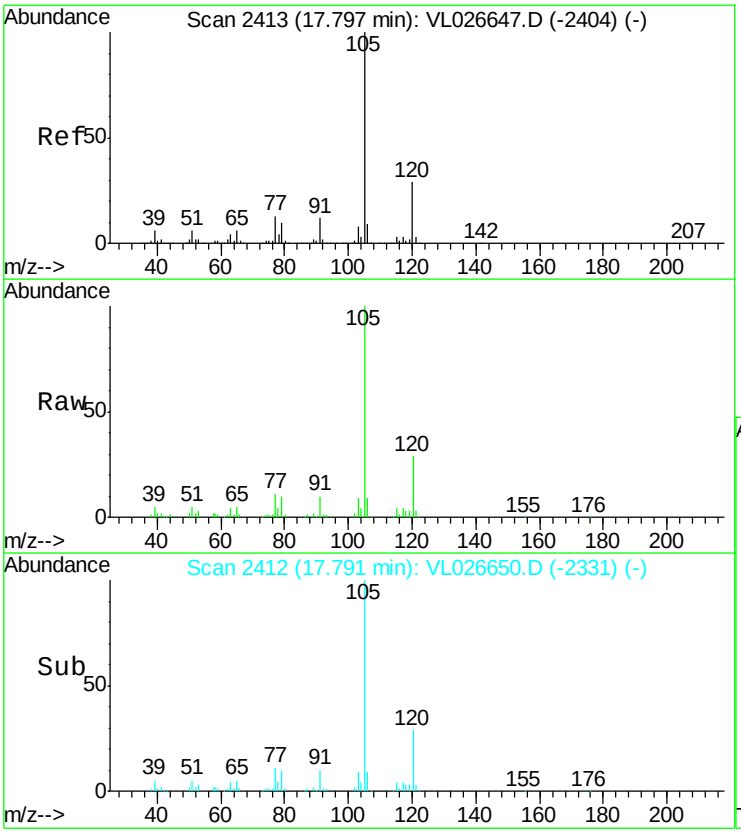
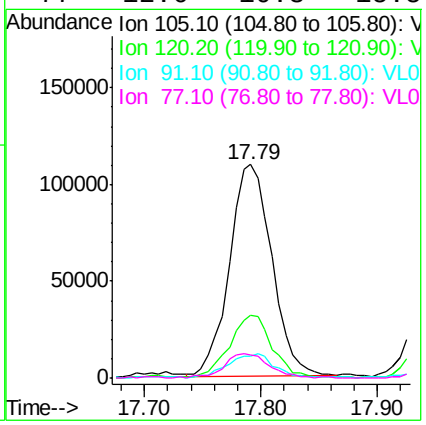
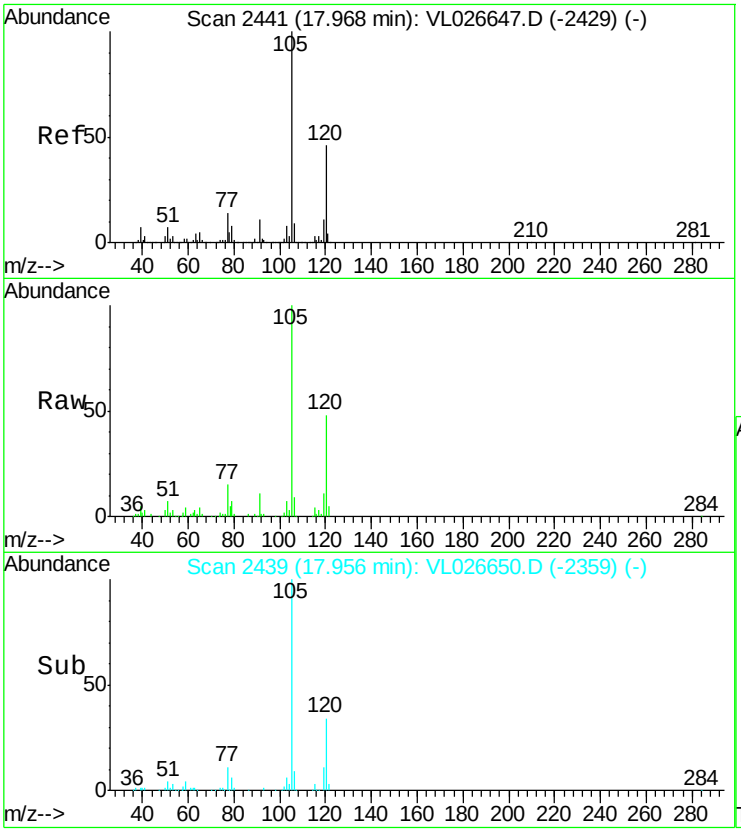


#72
4-Ethyltoluene
Concen: 0.49 ppbv
RT: 17.79 min Scan# 2412
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:105 Resp: 277575

Ion	Ratio	Lower	Upper
105	100		
120	31.4	23.8	35.6
91	11.7	9.5	14.3
77	12.6	10.3	15.5

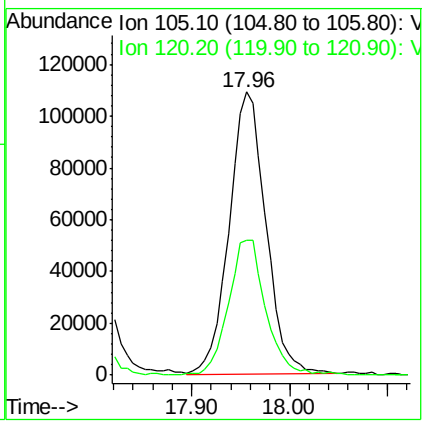




#73
1,3,5-Trimethylbenzene
Concen: 0.54 ppbv
RT: 17.96 min Scan# 2439
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:105 Resp: 282310

Ion	Ratio	Lower	Upper
105	100		
120	47.6	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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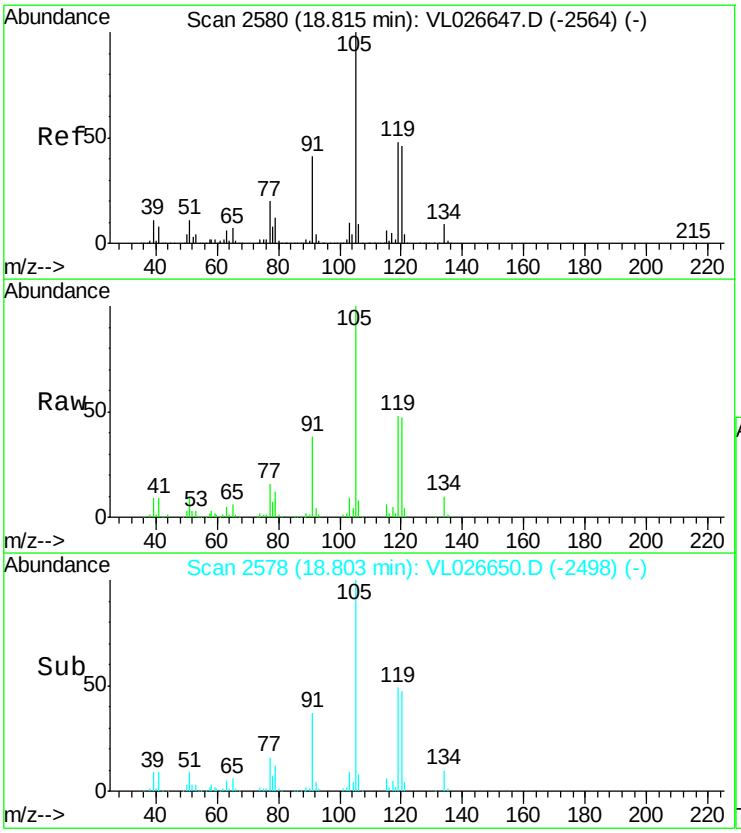
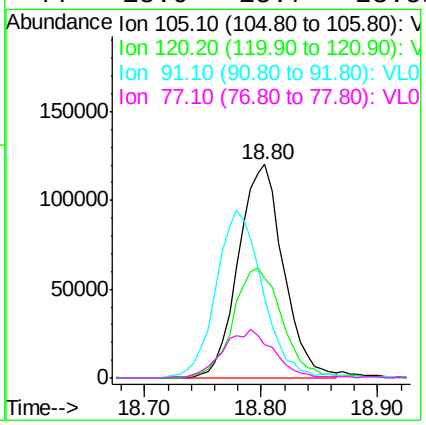
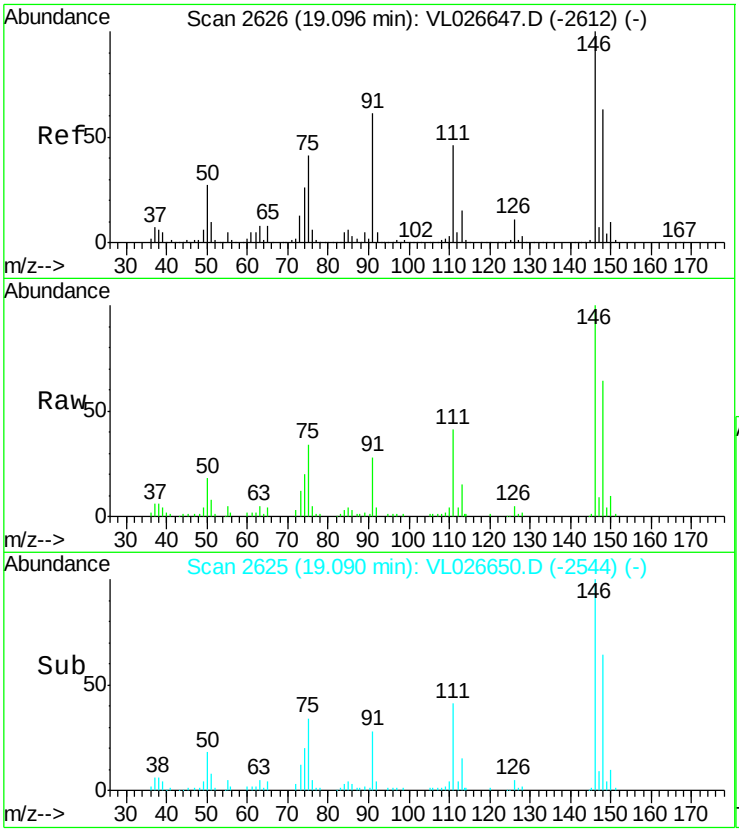


#74
1,2,4-Trimethylbenzene
Concen: 0.63 ppbv
RT: 18.80 min Scan# 2578
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:105 Resp: 323086

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.6	55.0
91	36.7	32.5	48.7
77	15.0	15.7	23.5#

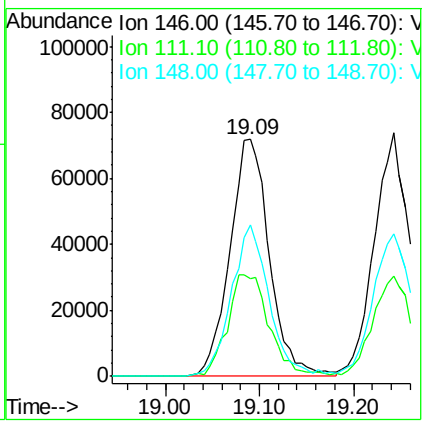




#75
1,3-Dichlorobenzene
Concen: 0.66 ppbv
RT: 19.09 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:146 Resp: 210216

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.5
148	60.4	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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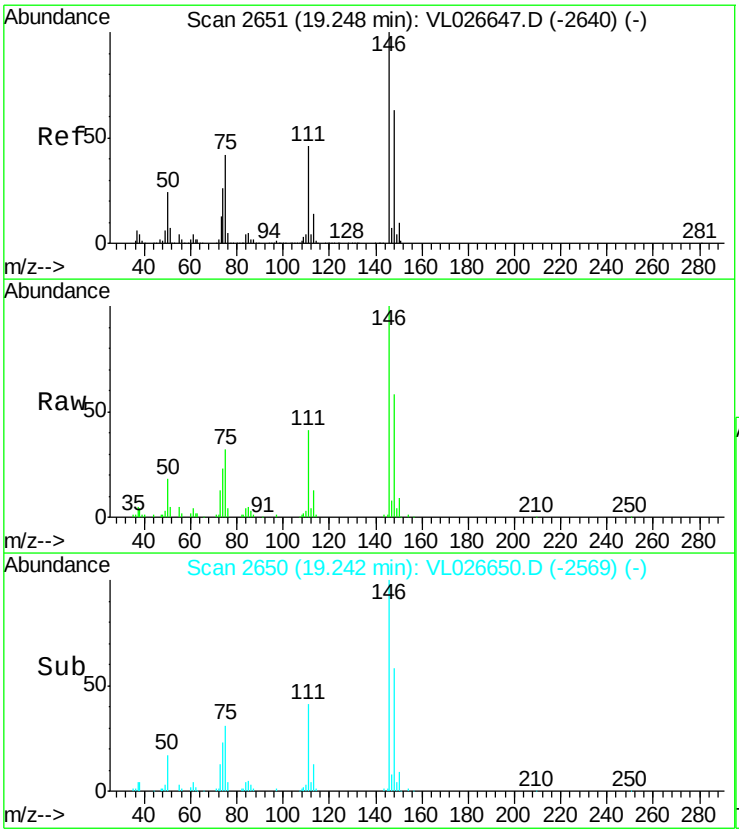
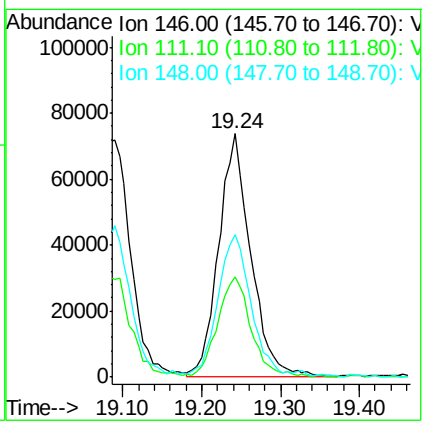
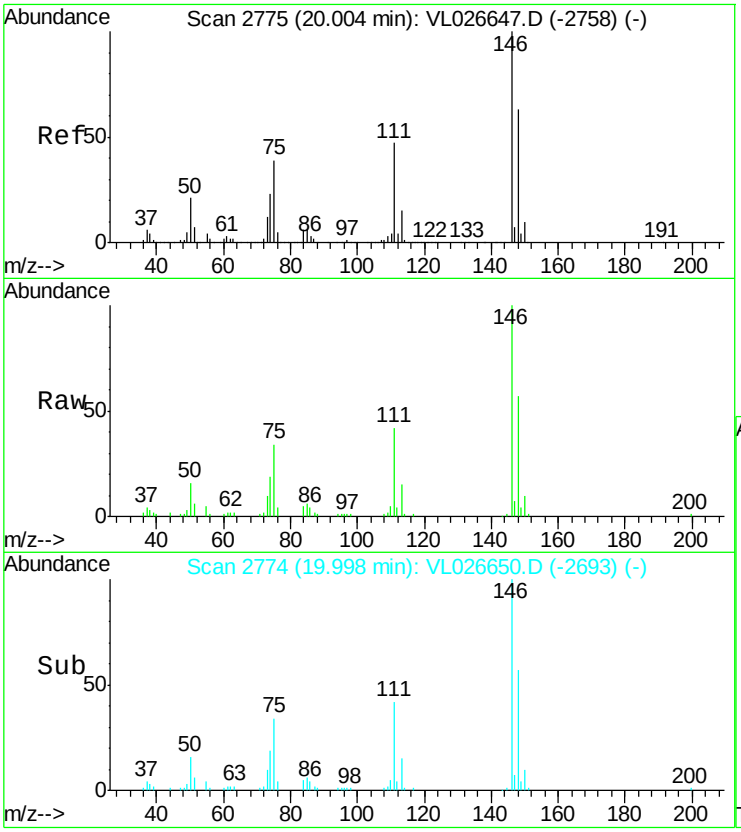


#76
1,4-Dichlorobenzene
Concen: 0.62 ppbv
RT: 19.24 min Scan# 2650
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:146 Resp: 209460

Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.3	66.8
148	61.8	31.9	95.9

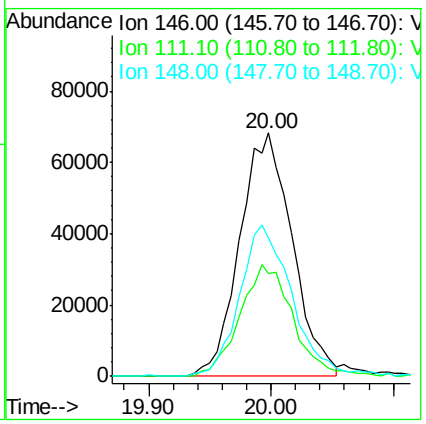




#77
1,2-Dichlorobenzene
Concen: 0.61 ppbv
RT: 20.00 min Scan# 2774
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:146 Resp: 203313

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.7	71.1
148	62.9	31.1	93.5



Instrument :
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ClientSampleId :
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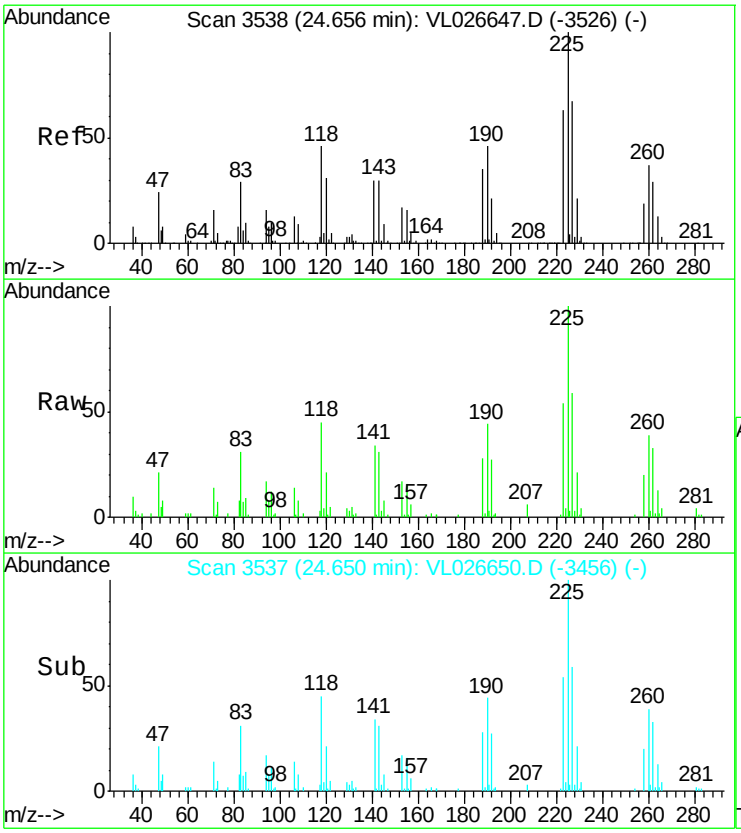
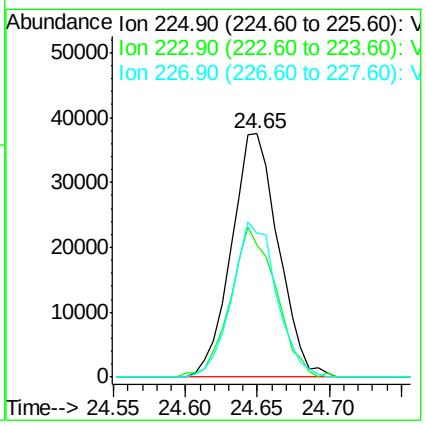
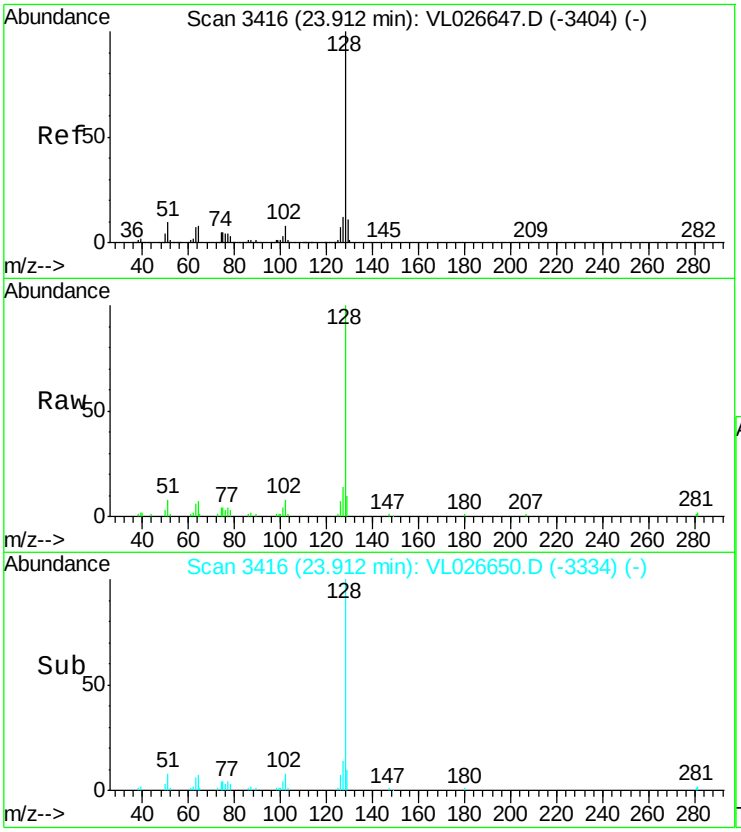


#78
Hexachloro-1,3-Butadiene
Concen: 0.64 ppbv
RT: 24.65 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:225 Resp: 84945

Ion	Ratio	Lower	Upper
225	100		
223	59.7	50.0	75.0
227	60.3	51.1	76.7

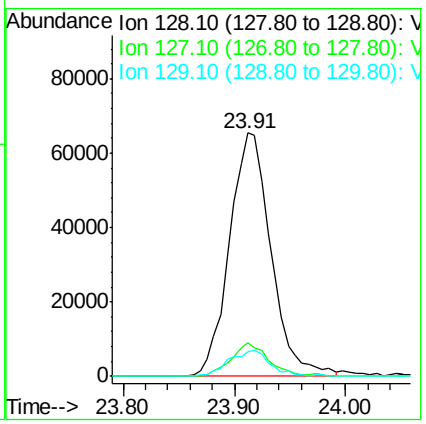




#79
Naphthalene
Concen: 0.42 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:128 Resp: 169279

Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.8	14.8
129	10.4	8.9	13.3



Instrument :
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ClientSampleId :
VSTDICC0.5

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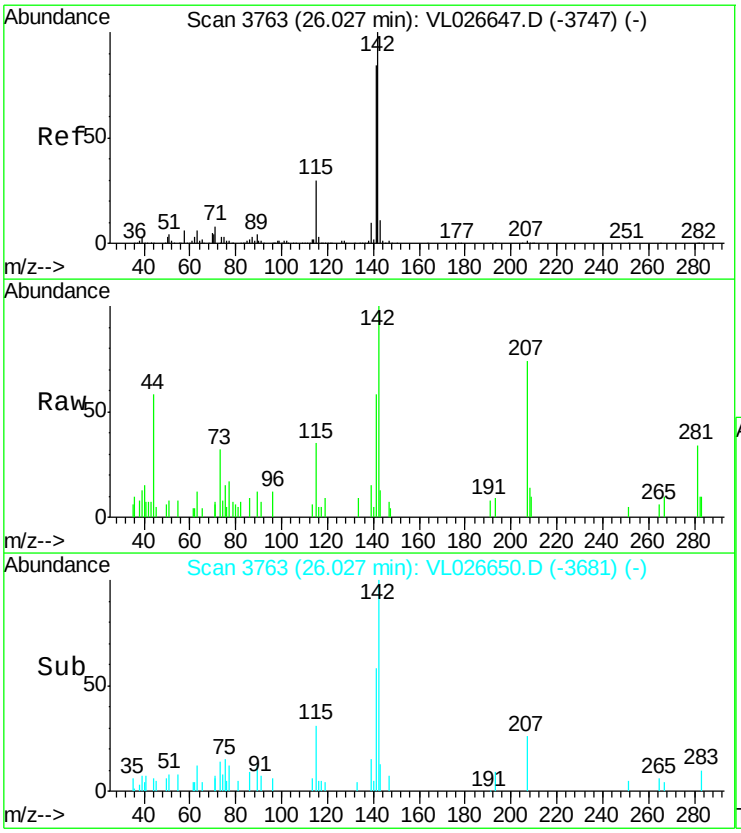
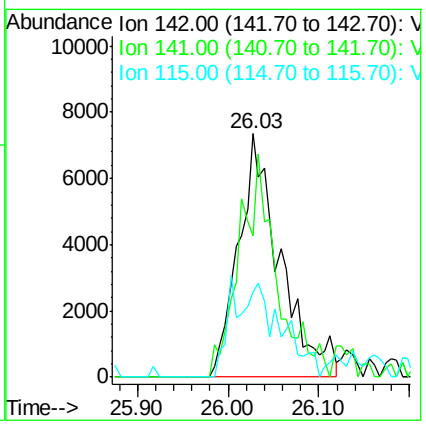
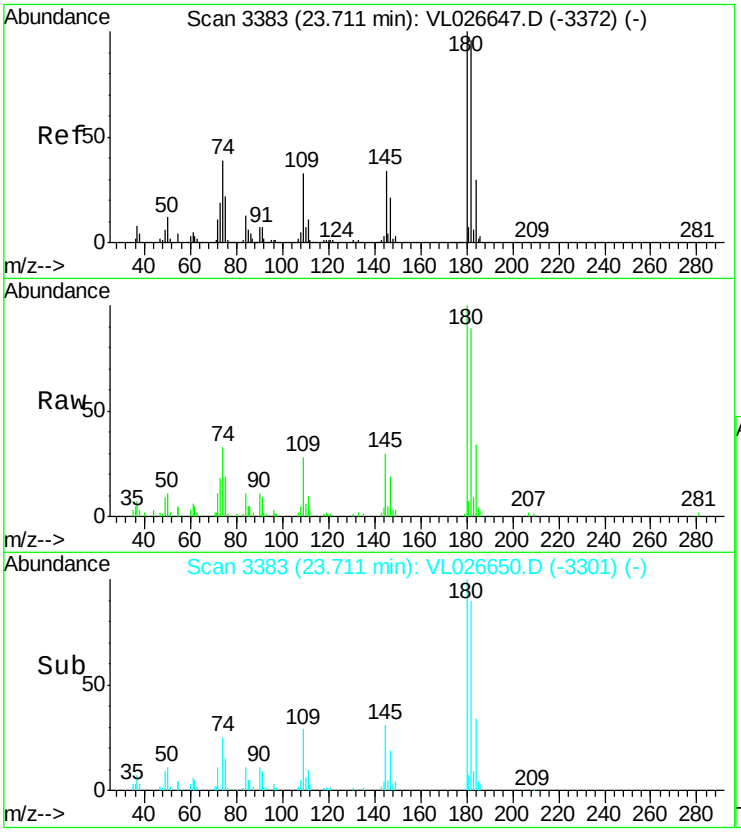


#80
Naphthalene,2-methyl-
Concen: 0.23 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:142 Resp: 23361

Ion	Ratio	Lower	Upper
142	100		
141	92.4	66.8	100.2
115	45.2	24.7	37.1#

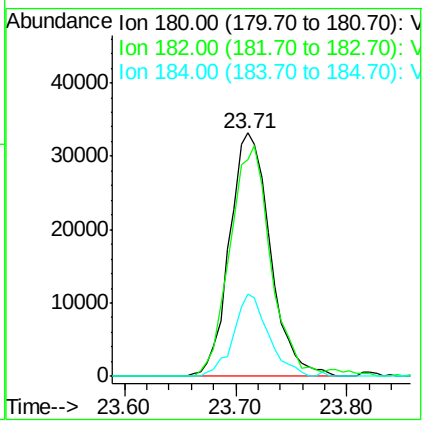




#81
1,2,4-Trichlorobenzene
Concen: 0.49 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL026650.D
Acq: 8 Jan 2016 17:22

Tgt Ion:180 Resp: 84342

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.5	113.3
184	29.2	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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