Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026824.D
Acq On : 9 Feb 2016 17:35
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
2/11/2016 1:22:57 PM

Quant Time: Feb 10 02:46:46 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 02:03:34 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.69	49	1694782	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.37	114	4564495	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.79	117	4469471	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	3177756	8.38	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	771912	1.43	ppbv		99
3) Chlorodifluoromethane	3.60	51	598108	1.84	ppbv		99
4) Chloromethane	3.78	50	226543	2.25	ppbv		99
5) Vinyl Chloride	3.92	62	242277	2.03	ppbv		97
6) Bromomethane	4.17	94	205978	2.00	ppbv		99
7) Chloroethane	4.28	64	110115	2.01	ppbv		95
8) Dichlorotetrafluoroethane	3.84	85	662492	1.68	ppbv		99
9) Propene	3.63	41	156191	2.34	ppbv		100
10) Heptane	9.40	43	501025	1.96	ppbv		98
11) Trichlorofluoromethane	4.73	101	890271	1.44	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	618183	1.70	ppbv		99
13) Ethanol	4.38	45	28838	1.88	ppbv		94
14) Bromoethene	4.49	108	228962	1.95	ppbv		100
15) Acetone	4.64	43	527976	1.32	ppbv	#	76
16) 1,3-Butadiene	4.00	39	188317	1.73	ppbv		98
17) tert-Butyl alcohol	5.18	59	260637	1.22	ppbv		95
18) 1,1-Dichloroethene	5.12	96	263201	1.88	ppbv		96
19) Isopropyl Alcohol	4.81	45	163982	1.56	ppbv	#	95
20) Methylene Chloride	5.18	84	239224	1.85	ppbv		98
21) Allyl Chloride	5.26	41	285019	1.69	ppbv		99
22) trans-1,2-Dichloroethene	5.81	96	234697	1.76	ppbv		97
23) Vinyl Acetate	6.02	43	670643	1.58	ppbv		98
24) 1,1-Dichloroethane	5.95	63	504098	1.69	ppbv		99
25) Ethyl Acetate	6.71	43	764019	1.95	ppbv		99
26) Hexane	6.70	57	404156	2.07	ppbv		98
27) Carbon Disulfide	5.43	76	691528	1.78	ppbv		99
28) Methyl tert-Butyl Ether	6.00	73	645973	1.48	ppbv		100
29) Chloroform	6.79	83	608513	1.39	ppbv		99
30) Cyclohexane	8.32	84	328928	1.63	ppbv		87
31) cis-1,2-Dichloroethene	6.56	61	332078	1.56	ppbv		99
32) 1,1,1-Trichloroethane	7.63	97	603598	1.21	ppbv		100
34) 2-Butanone	6.24	43	466773	2.20	ppbv		98
35) Carbon Tetrachloride	8.20	117	646799	1.43	ppbv		98
36) Benzene	8.06	78	737666	1.93	ppbv		99
37) 1,2-Dichloroethane	7.41	62	453037	1.38	ppbv		100
38) Trichloroethene	9.11	130	329237	1.82	ppbv		98
39) 1,2-Dichloropropane	8.87	63	273942	2.13	ppbv		99
40) 1,4-Dioxane	9.20	88	53053	1.69	ppbv	#	1
41) Tetrahydrofuran	7.18	42	228677	2.38	ppbv		99
42) Bromodichloromethane	9.07	83	609722	1.43	ppbv		97
43) Methyl Methacrylate	9.31	69	256454	1.74	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026824.D
Acq On : 9 Feb 2016 17:35
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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2/11/2016 1:22:57 PM

Quant Time: Feb 10 02:46:46 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 02:03:34 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	1306104	2.15	ppbv		99
45) t-1,3-Dichloropropene	10.69	75	335677	1.32	ppbv		99
46) cis-1,3-Dichloropropene	10.06	75	417660	1.53	ppbv		99
47) 1,1,2-Trichloroethane	10.92	97	295716	1.45	ppbv		99
48) Dibromochloromethane	11.85	129	478982	1.25	ppbv		100
49) Bromoform	14.86	173	349775	1.06	ppbv		99
50) 4-Methyl-2-Pentanone	10.14	43	552136	1.87	ppbv		99
51) 2-Hexanone	11.68	43	458462	1.61	ppbv	#	99
52) Tetrachloroethene	12.84	164	279026	1.30	ppbv		99
53) Toluene	11.28	91	845070	1.50	ppbv		99
54) 1,2-Dibromoethane	12.19	107	444235	1.29	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.83	131	370079	1.57	ppbv	#	1
57) Chlorobenzene	13.86	112	702313	1.55	ppbv		98
58) Ethyl Benzene	14.46	91	1120180	1.53	ppbv		96
59) m/p-Xylene	14.76	91	1871163m	2.92	ppbv		
60) o-Xylene	15.54	91	994282	1.40	ppbv		98
61) Styrene	15.36	104	342450	1.34	ppbv		99
62) Isopropylbenzene	16.59	105	1210981	1.31	ppbv		98
63) 1,1,2,2-Tetrachloroethane	15.53	83	647479	1.42	ppbv		100
64) n-propylbenzene	17.57	120	302101	1.17	ppbv		82
65) tert-Butylbenzene	18.86	119	1088256	1.16	ppbv		99
66) Benzyl Chloride	19.16	91	320386	0.91	ppbv		98
67) sec-Butylbenzene	19.46	105	1467983	1.07	ppbv		98
69) p-Isopropyltoluene	19.84	119	1178447	1.07	ppbv		99
70) n-Butylbenzene	20.80	91	1149510	1.00	ppbv		97
71) 2-Chlorotoluene	17.47	91	844009	1.17	ppbv		100
72) 4-Ethyltoluene	17.87	105	943701	1.17	ppbv		99
73) 1,3,5-Trimethylbenzene	18.03	105	894797	1.13	ppbv		94
74) 1,2,4-Trimethylbenzene	18.88	105	1002549	1.14	ppbv		97
75) 1,3-Dichlorobenzene	19.17	146	597522	1.04	ppbv		99
76) 1,4-Dichlorobenzene	19.32	146	580887	1.01	ppbv		99
77) 1,2-Dichlorobenzene	20.08	146	568237	0.95	ppbv		100
78) Hexachloro-1,3-Butadiene	24.72	225	277395	0.95	ppbv		99
79) Naphthalene	23.98	128	530930	0.70	ppbv		99
80) Naphthalene,2-methyl-	26.09	142	210417	1.60	ppbv		97
81) 1,2,4-Trichlorobenzene	23.78	180	271057	0.81	ppbv		99

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026824.D
Acq On : 9 Feb 2016 17:35
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 02:46:46 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 02:03:34 2016
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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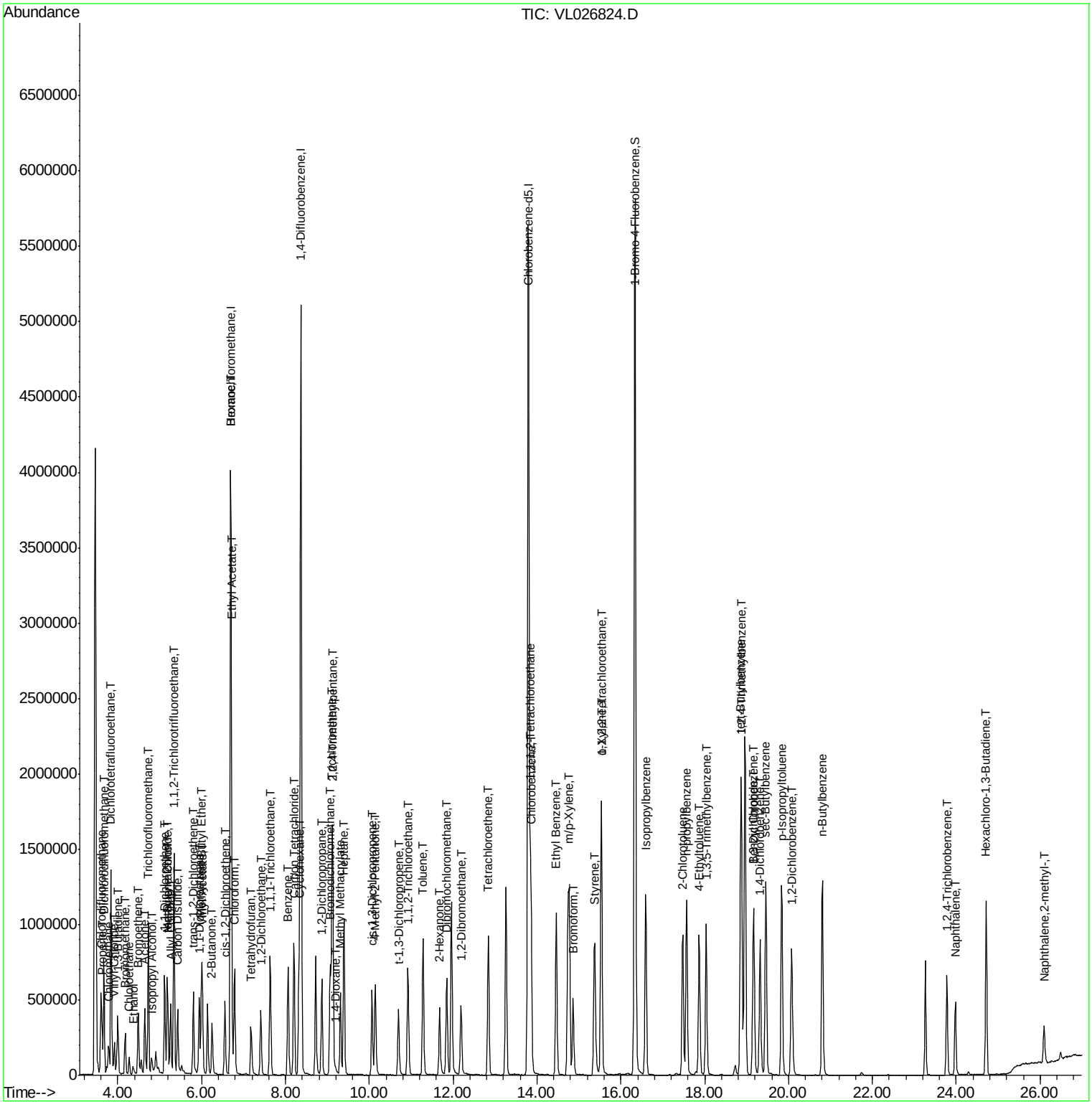
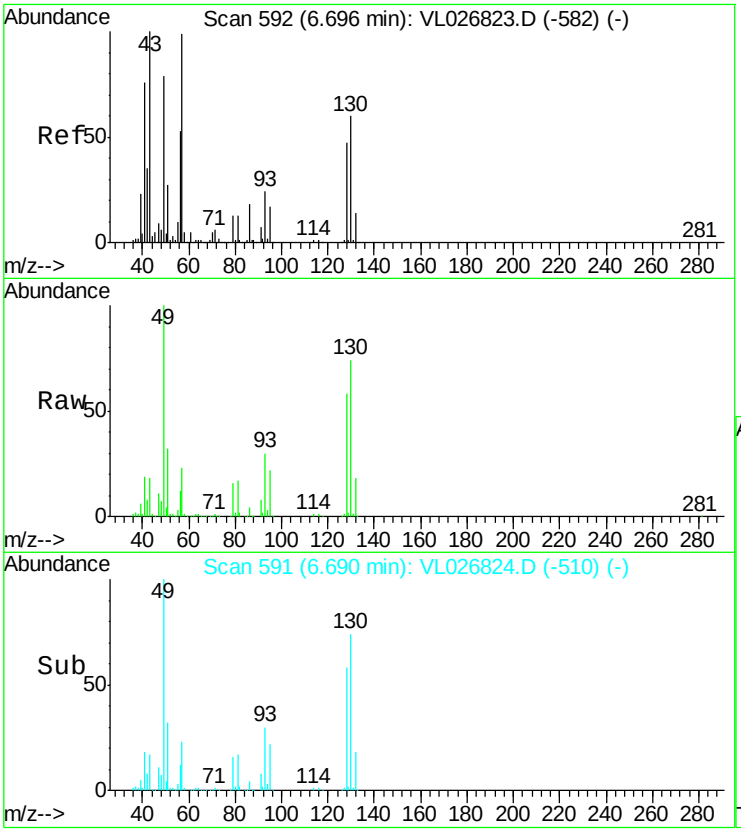
2/11/2016 1:22:57 PM

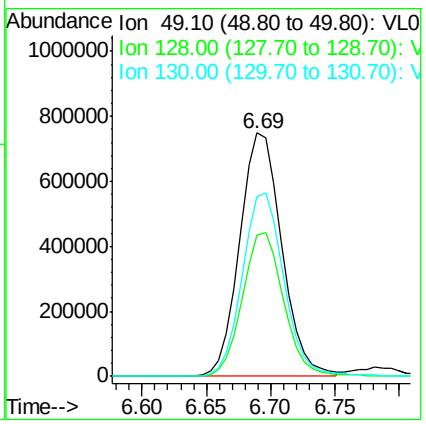




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.69 min Scan# 591
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 49 Resp: 1694782

Ion	Ratio	Lower	Upper
49	100		
128	58.4	29.7	89.1
130	75.3	38.3	114.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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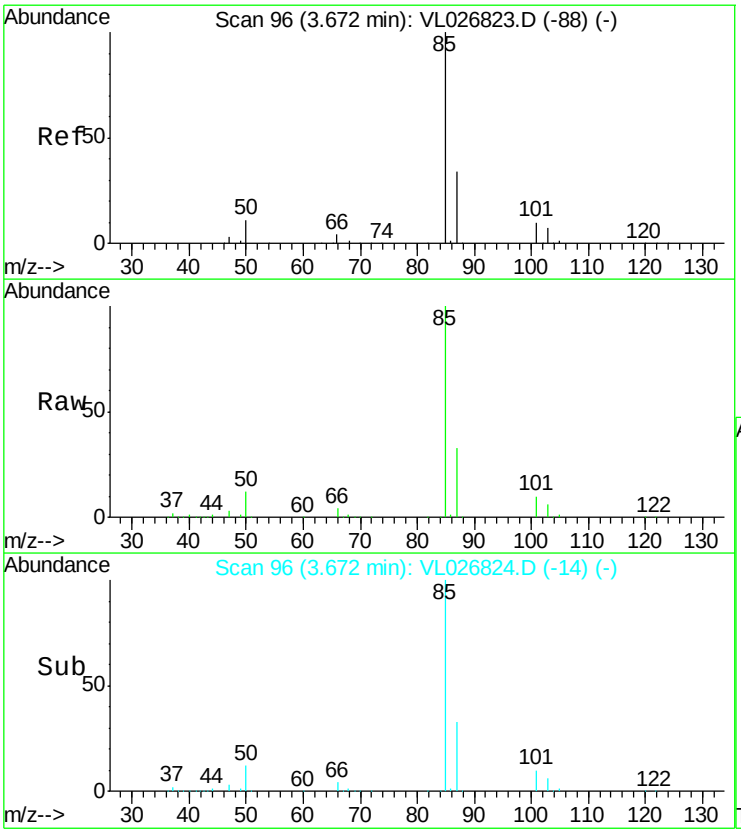
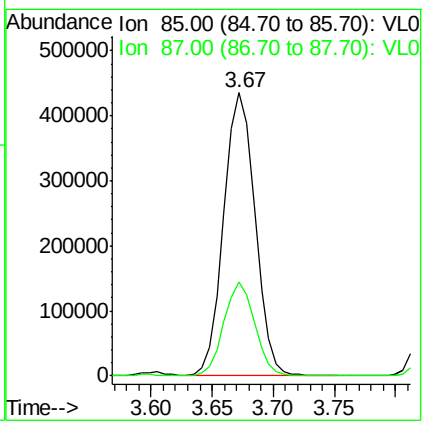
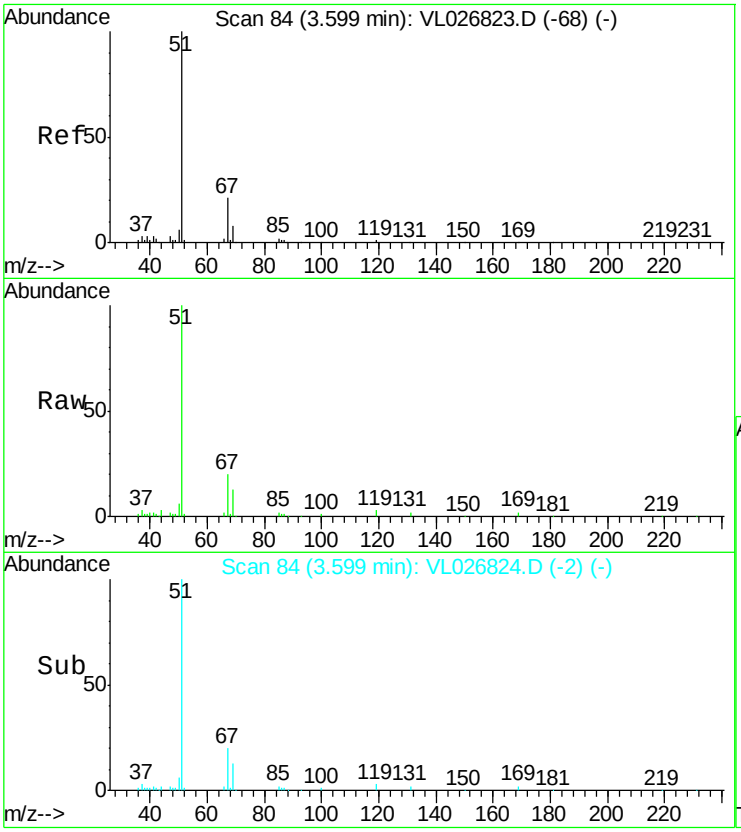


#2
Dichlorodifluoromethane
Concen: 1.43 ppbv
RT: 3.67 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 85 Resp: 771912

Ion	Ratio	Lower	Upper
85	100		
87	33.3	27.3	40.9

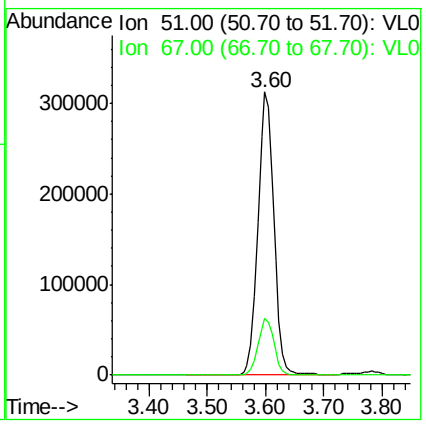




#3
Chlorodifluoromethane
Concen: 1.84 ppbv
RT: 3.60 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 51 Resp: 598108

Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.4	24.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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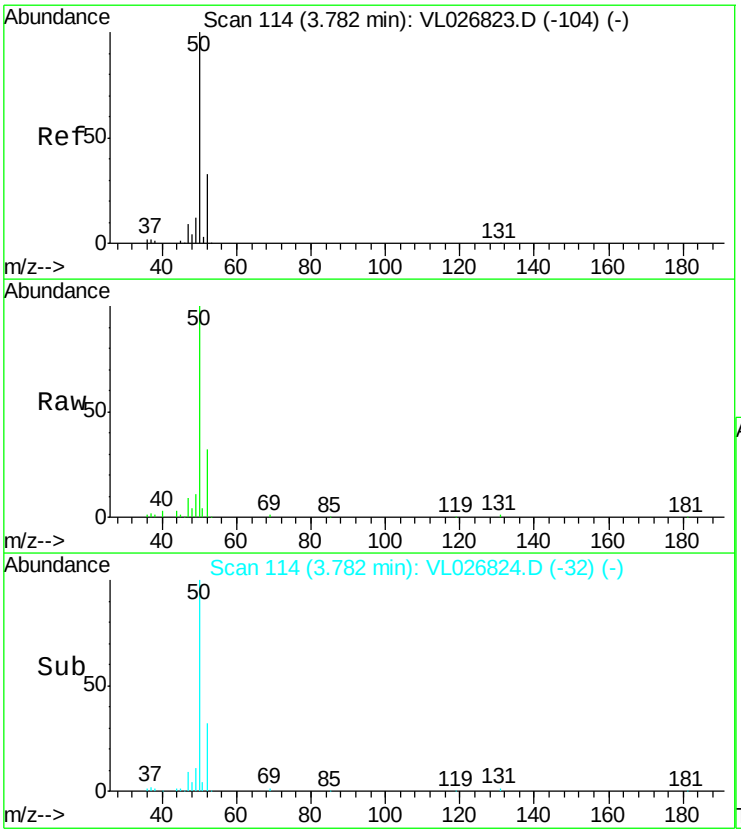
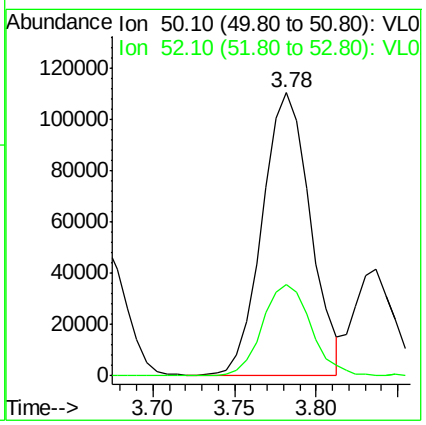
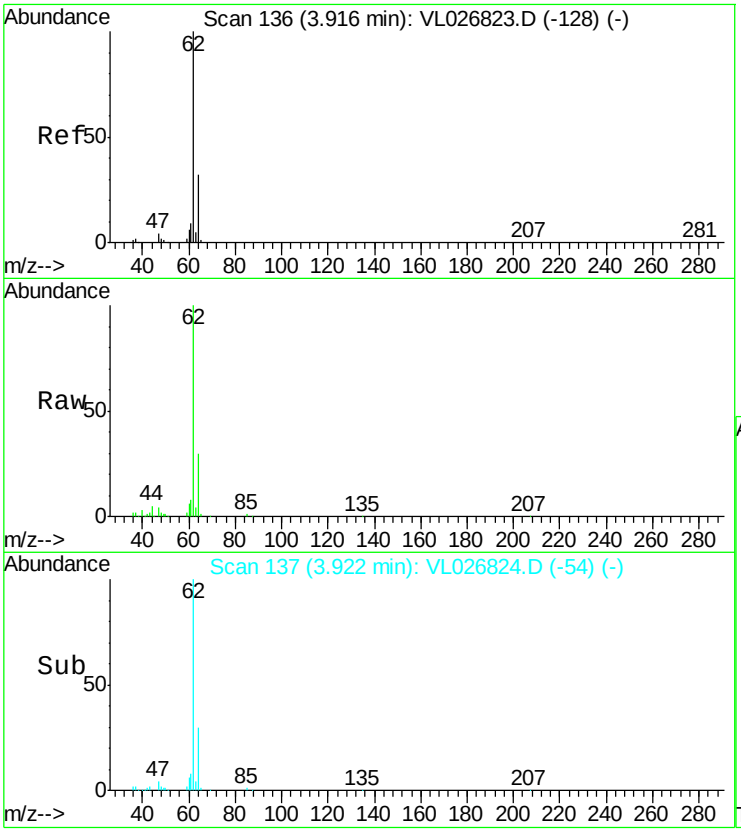


#4
Chloromethane
Concen: 2.25 ppbv
RT: 3.78 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 50 Resp: 226543

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5

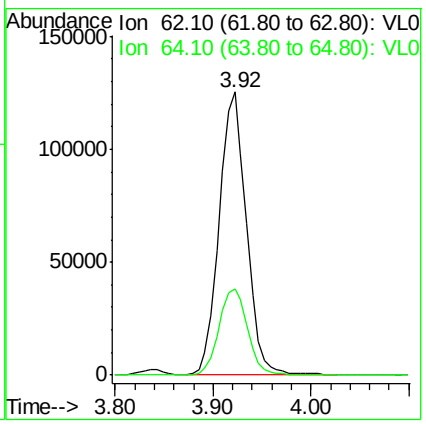




#5
Vinyl Chloride
Concen: 2.03 ppbv
RT: 3.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 62 Resp: 242277

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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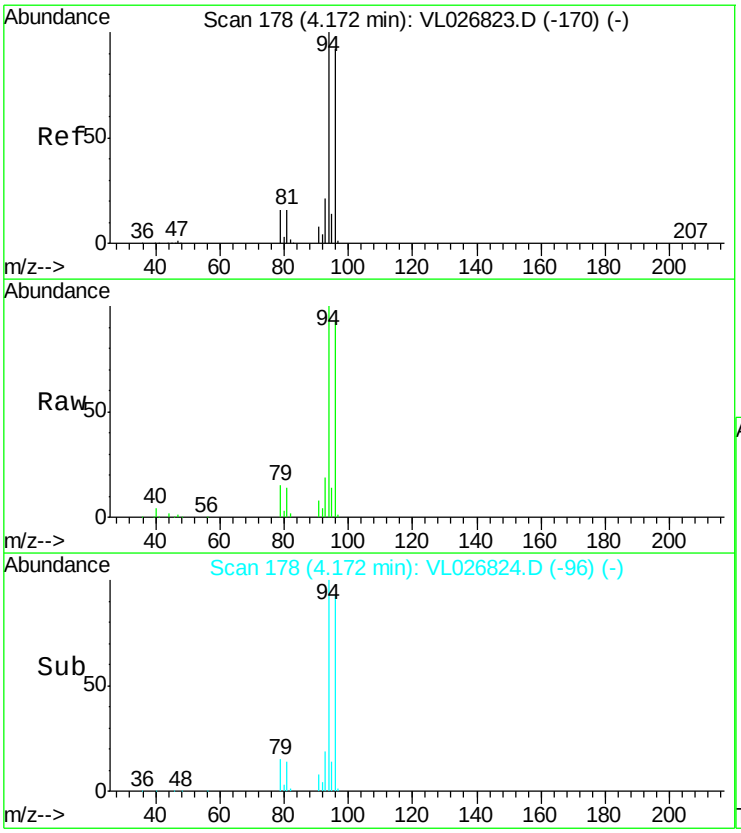
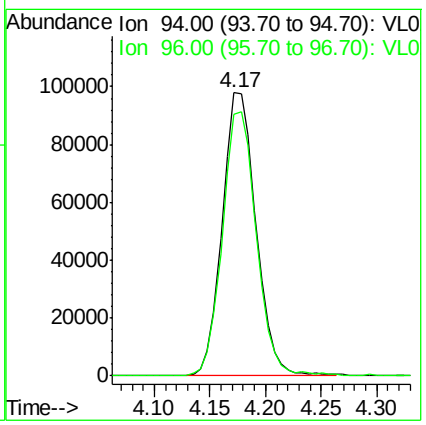
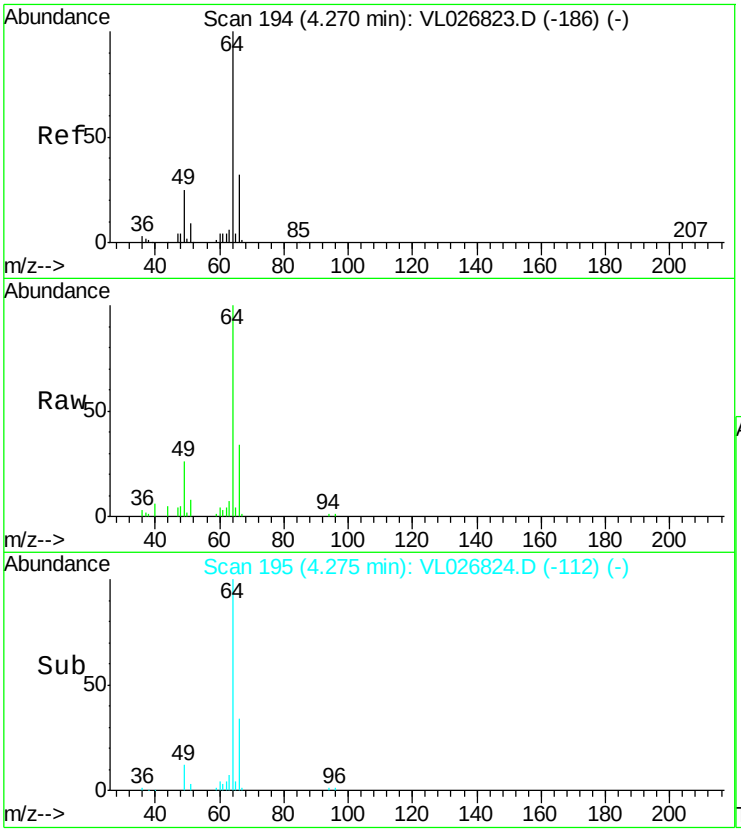


#6
Bromomethane
Concen: 2.00 ppbv
RT: 4.17 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 94 Resp: 205978

Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.2	109.8

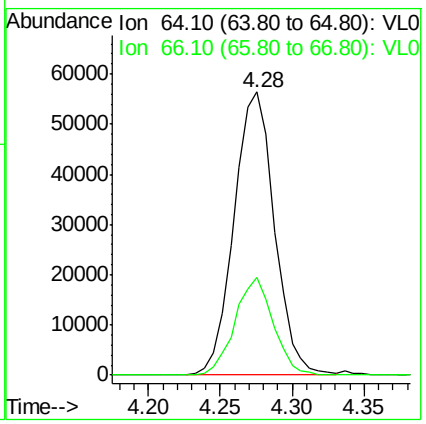




#7
Chloroethane
Concen: 2.01 ppbv
RT: 4.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 64 Resp: 110115

Ion	Ratio	Lower	Upper
64	100		
66	34.4	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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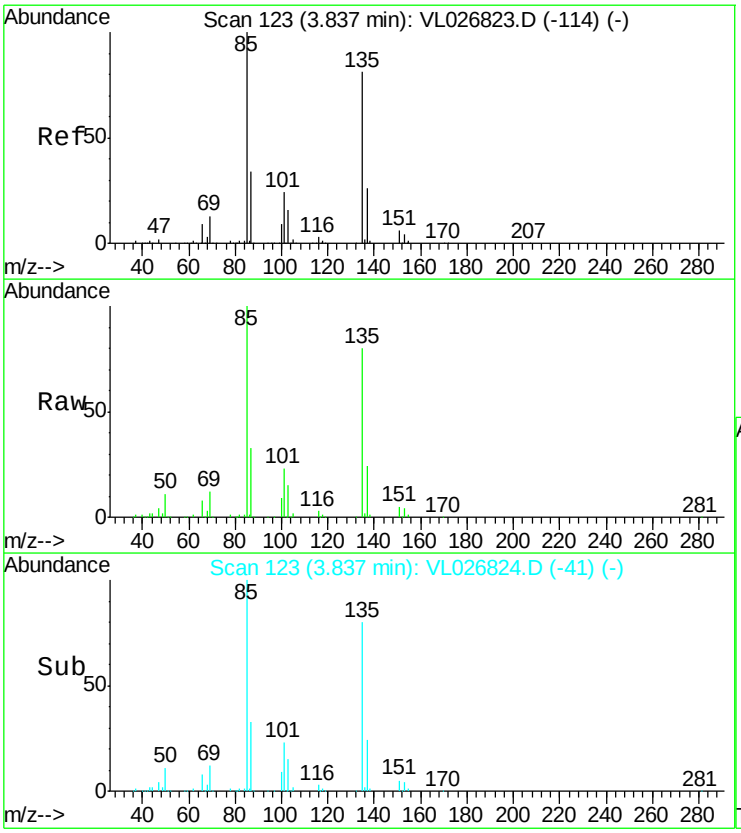
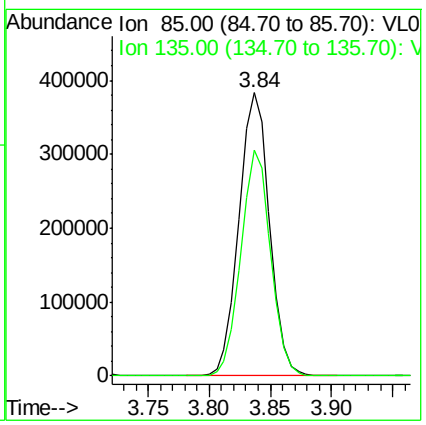
2/11/2016 1:22:57 PM

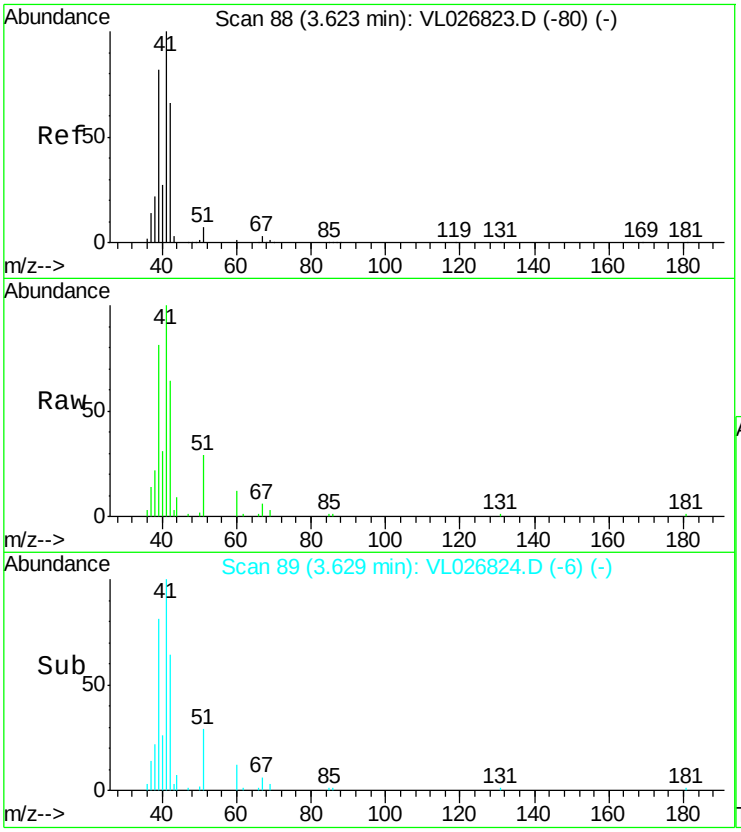


#8
Dichlorotetrafluoroethane
Concen: 1.68 ppbv
RT: 3.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 85 Resp: 662492

Ion	Ratio	Lower	Upper
85	100		
135	78.2	63.2	94.8

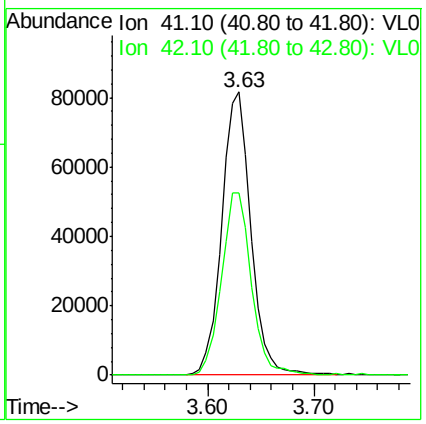




#9
Propene
Concen: 2.34 ppbv
RT: 3.63 min Scan# 89
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 41 Resp: 156191

Ion	Ratio	Lower	Upper
41	100		
42	66.1	52.8	79.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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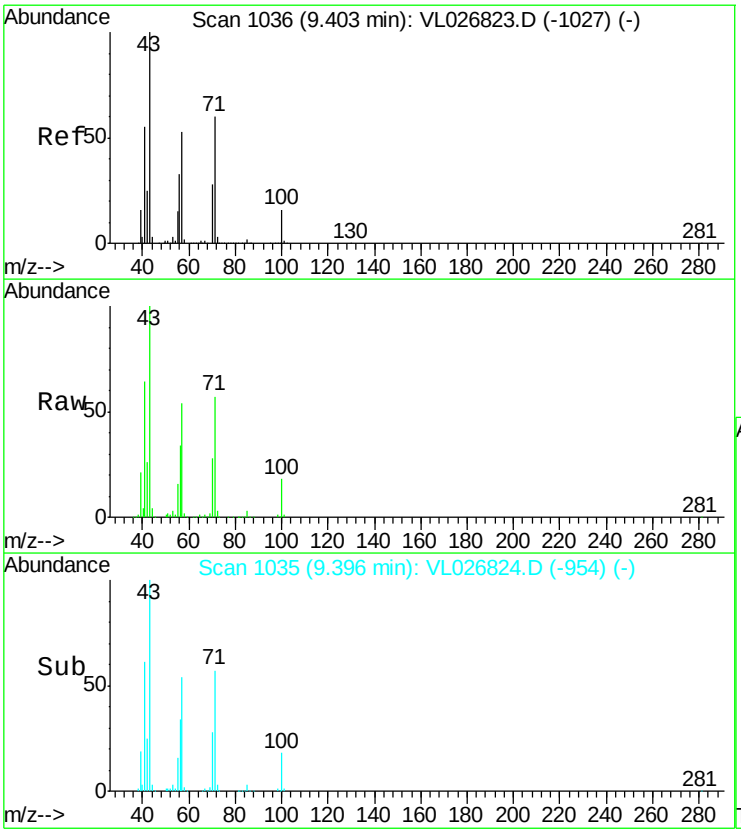
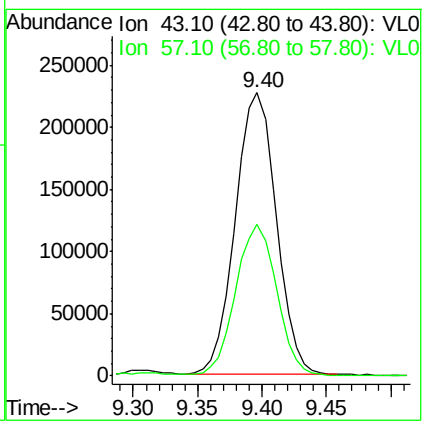
2/11/2016 1:22:57 PM

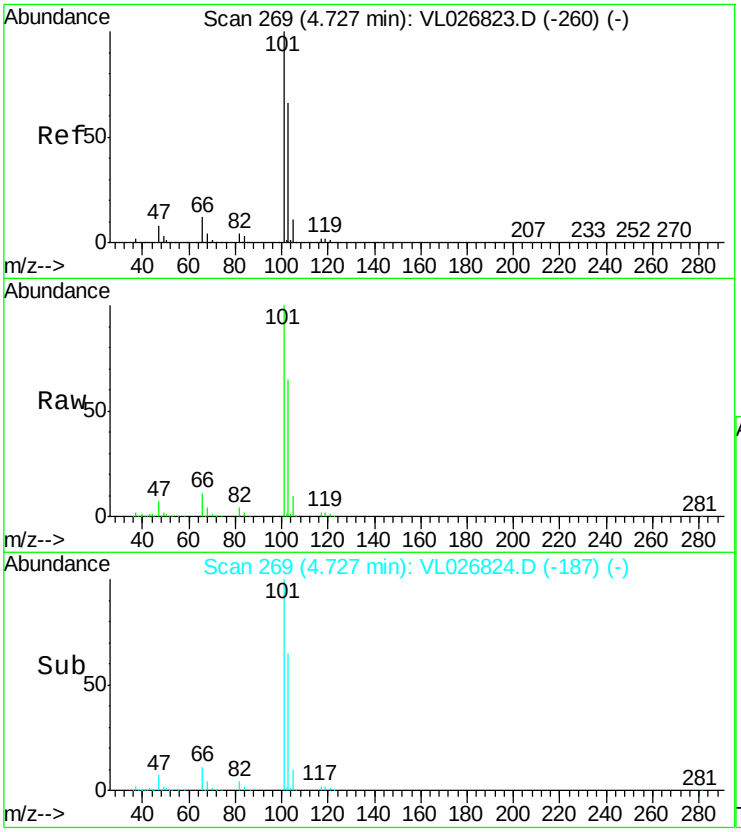


#10
Heptane
Concen: 1.96 ppbv
RT: 9.40 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 501025

Ion	Ratio	Lower	Upper
43	100		
57	56.3	44.0	66.0





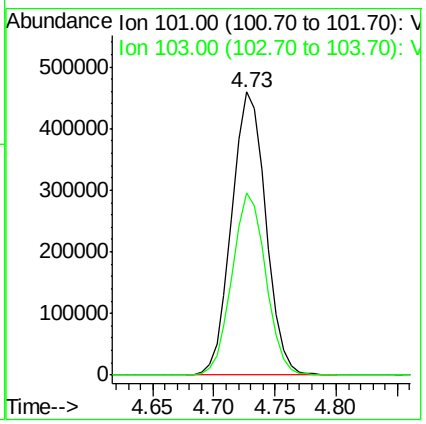
#11
Trichlorofluoromethane
Concen: 1.44 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

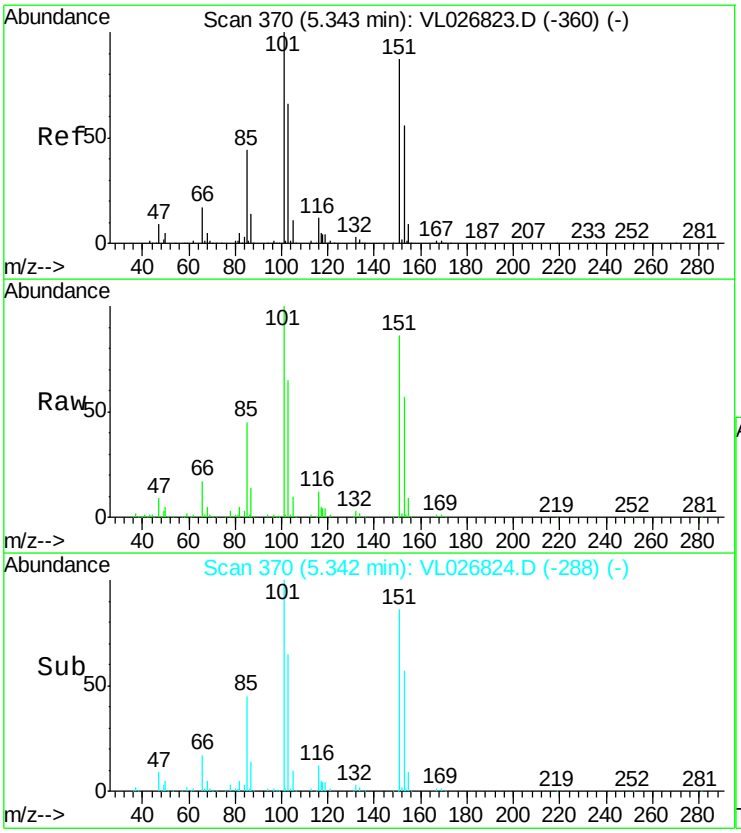
Tgt Ion:101 Resp: 890271

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.7	79.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
2/11/2016 1:22:57 PM

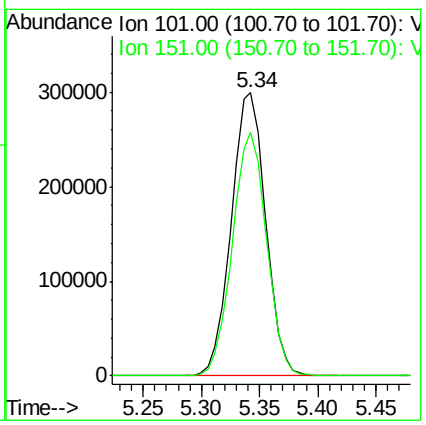


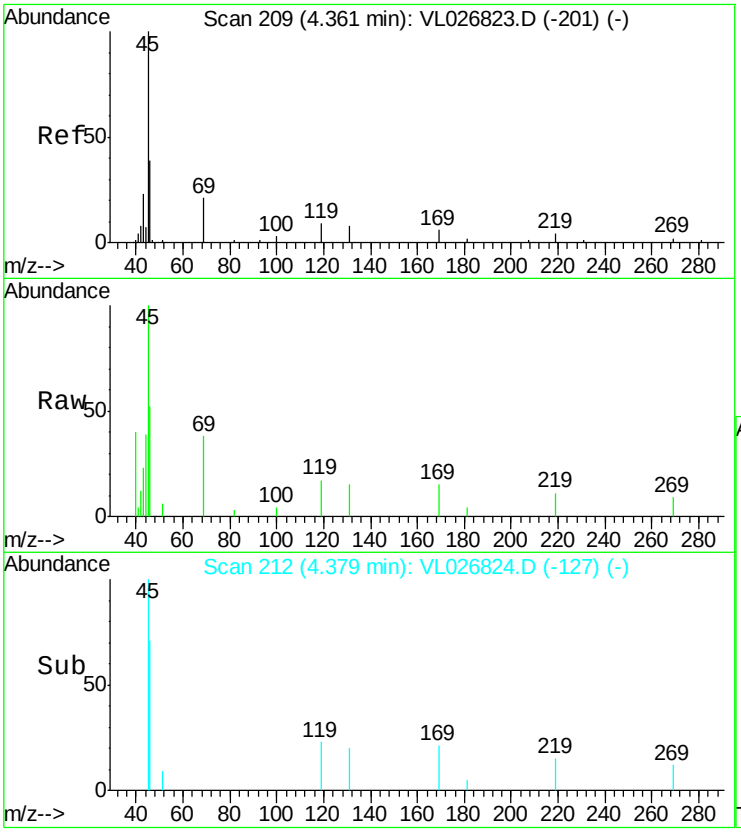


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.70 ppbv
RT: 5.34 min Scan# 370
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:101 Resp: 618183

Ion	Ratio	Lower	Upper
101	100		
151	85.7	69.4	104.0

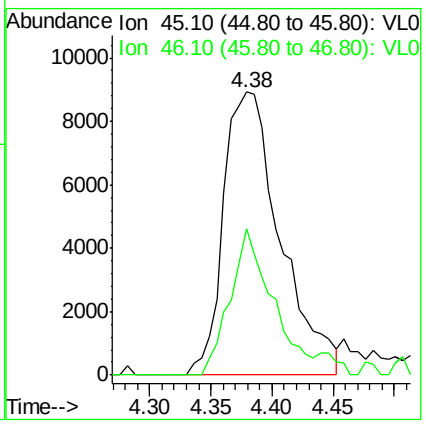




#13
Ethanol
Concen: 1.88 ppbv
RT: 4.38 min Scan# 212
Delta R.T. 0.02 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 45 Resp: 28838

Ion	Ratio	Lower	Upper
45	100		
46	43.5	15.8	63.4



Instrument :
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ClientSampleId :
VSTDICC002

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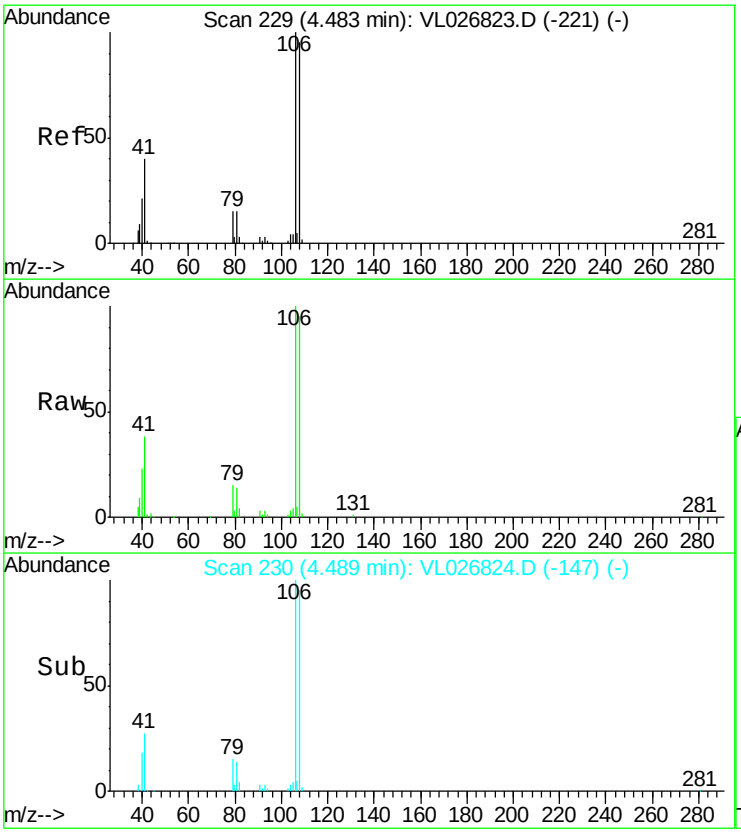
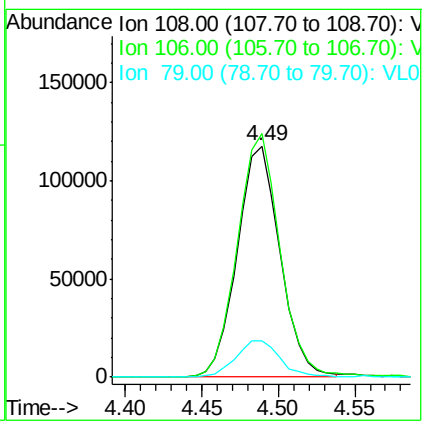
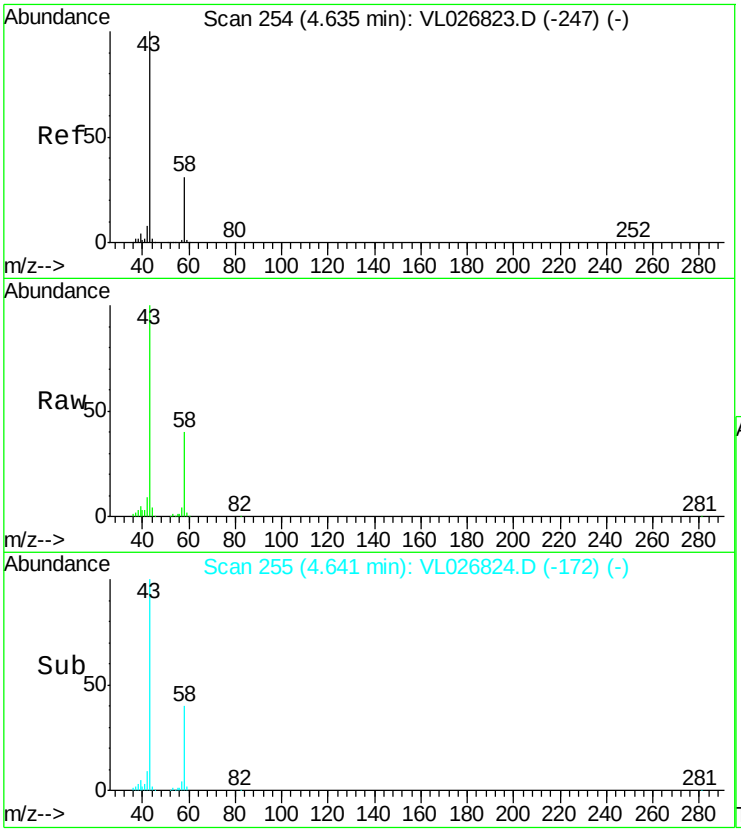


#14
Bromoethene
Concen: 1.95 ppbv
RT: 4.49 min Scan# 230
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:108 Resp: 228962

Ion	Ratio	Lower	Upper
108	100		
106	106.0	84.6	126.8
79	16.6	13.4	20.0





#15
Acetone
Concen: 1.32 ppbv
RT: 4.64 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 527976

Ion	Ratio	Lower	Upper
43	100		
58	44.6	25.2	37.8#

Instrument :
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ClientSampleId :
VSTDICC002

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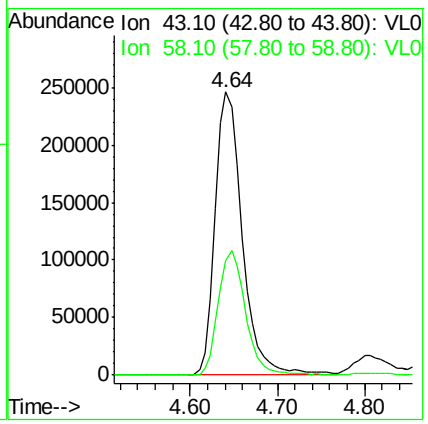
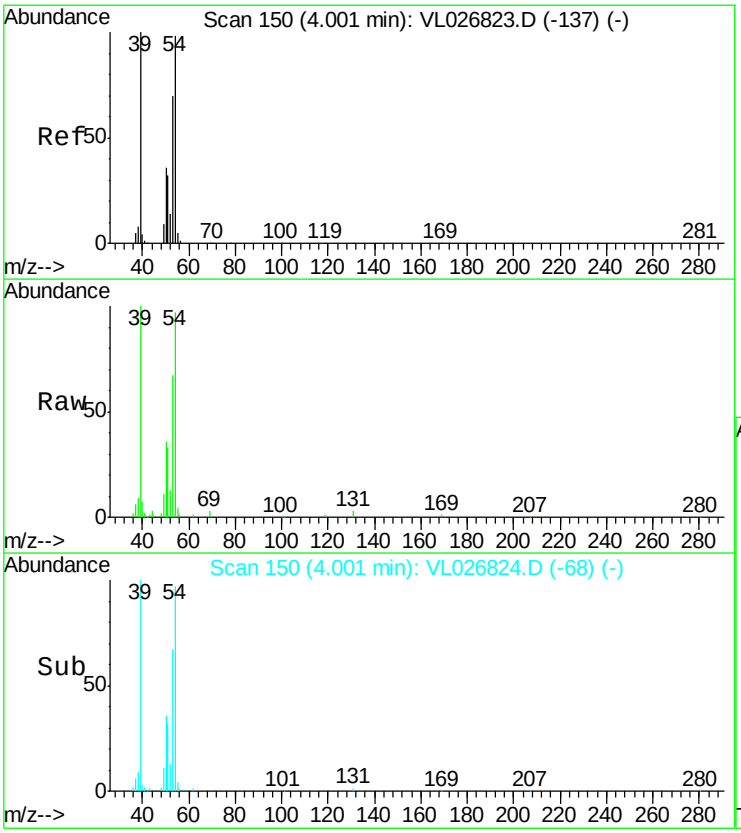
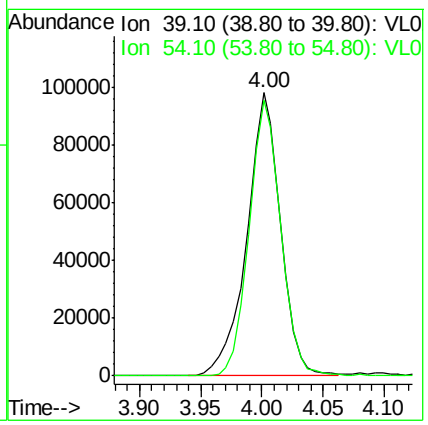


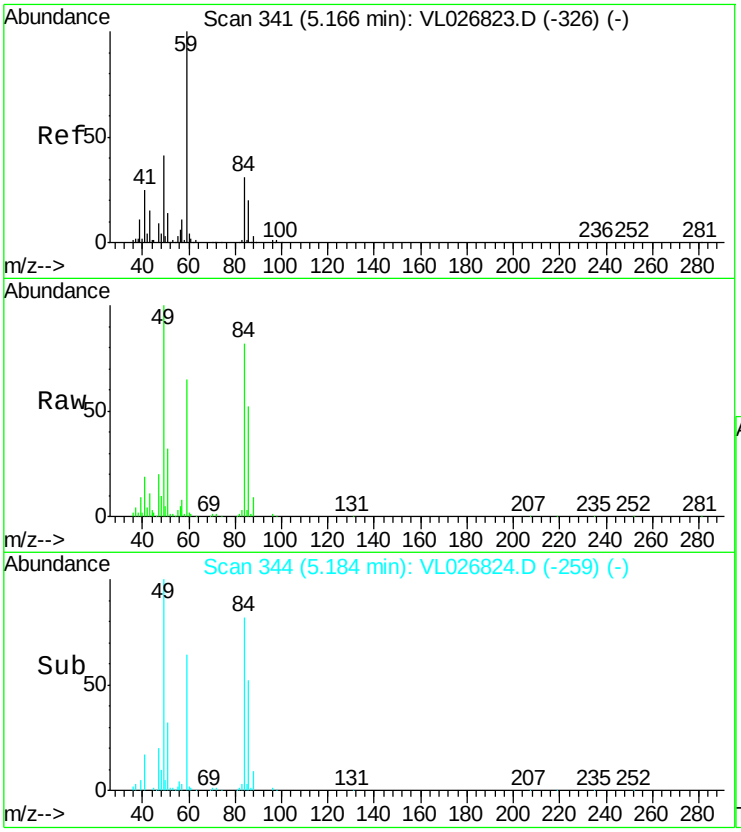


#16
1,3-Butadiene
Concen: 1.73 ppbv
RT: 4.00 min Scan# 150
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 39 Resp: 188317

Ion	Ratio	Lower	Upper
39	100		
54	91.8	74.7	112.1

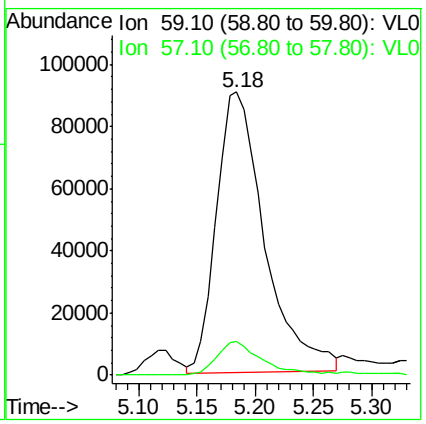




#17
tert-Butyl alcohol
Concen: 1.22 ppbv
RT: 5.18 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 59 Resp: 260637

Ion	Ratio	Lower	Upper
59	100		
57	12.6	8.5	12.7



Instrument :
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ClientSampleId :
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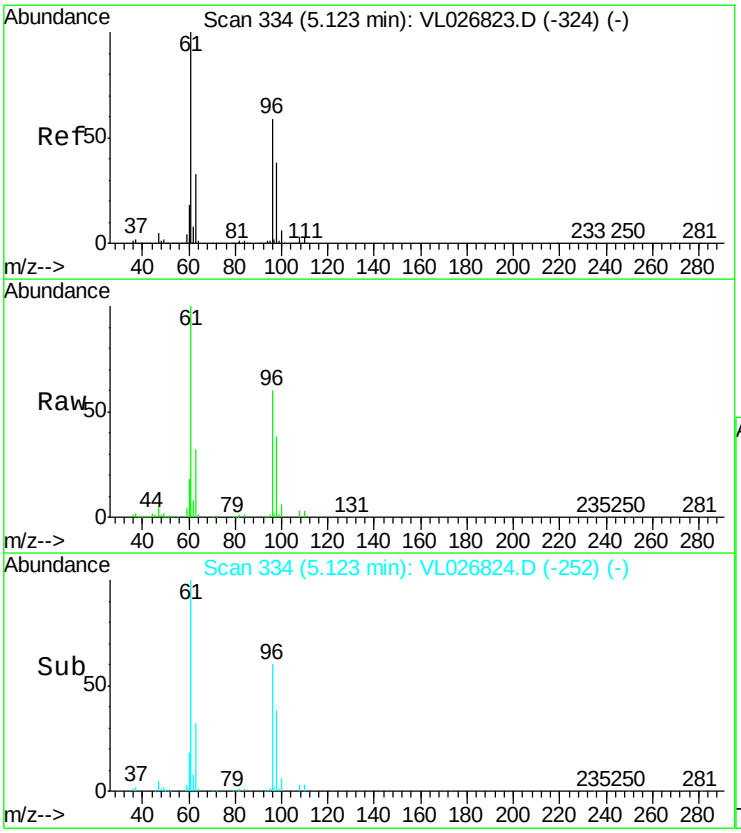
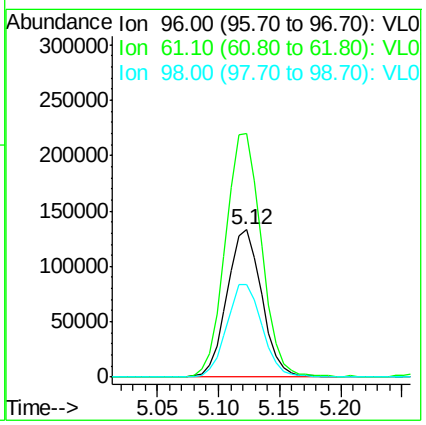
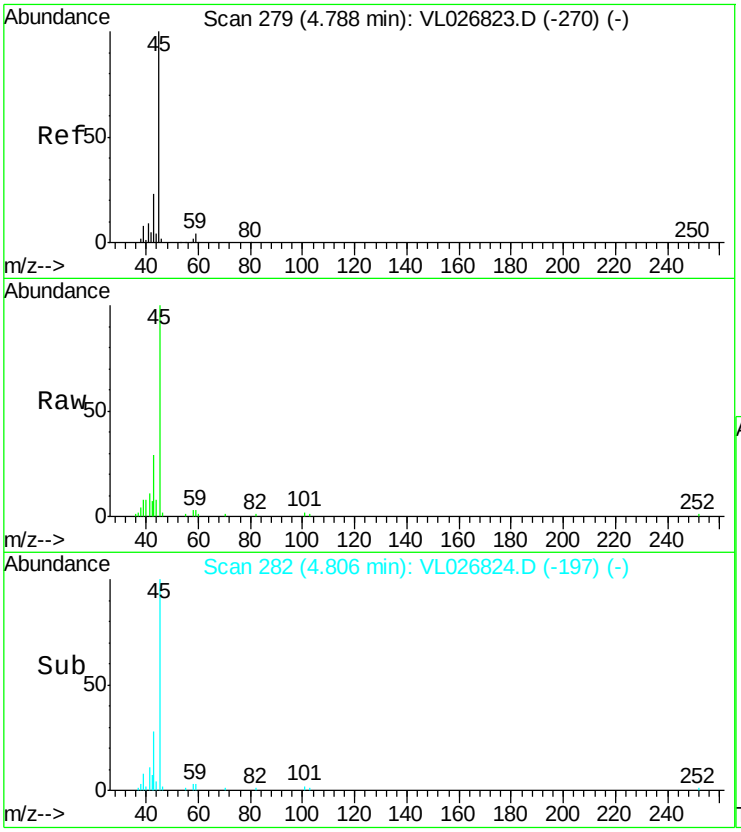


#18
1,1-Dichloroethene
Concen: 1.88 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 96 Resp: 263201

Ion	Ratio	Lower	Upper
96	100		
61	165.2	136.7	205.1
98	63.3	52.1	78.1





#19
Isopropyl Alcohol
Concen: 1.56 ppbv
RT: 4.81 min Scan# 282
Delta R.T. 0.02 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 45 Resp: 163982

Ion	Ratio	Lower	Upper
45	100		
58	4.4	2.2	3.2#

Instrument :
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ClientSampleId :
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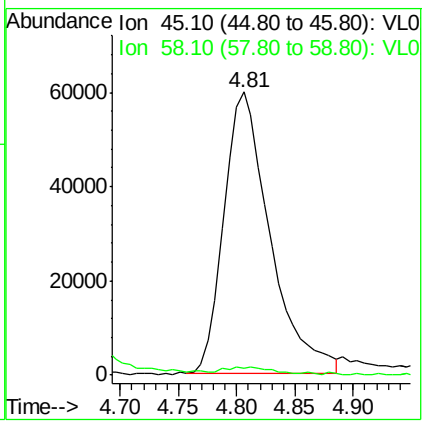
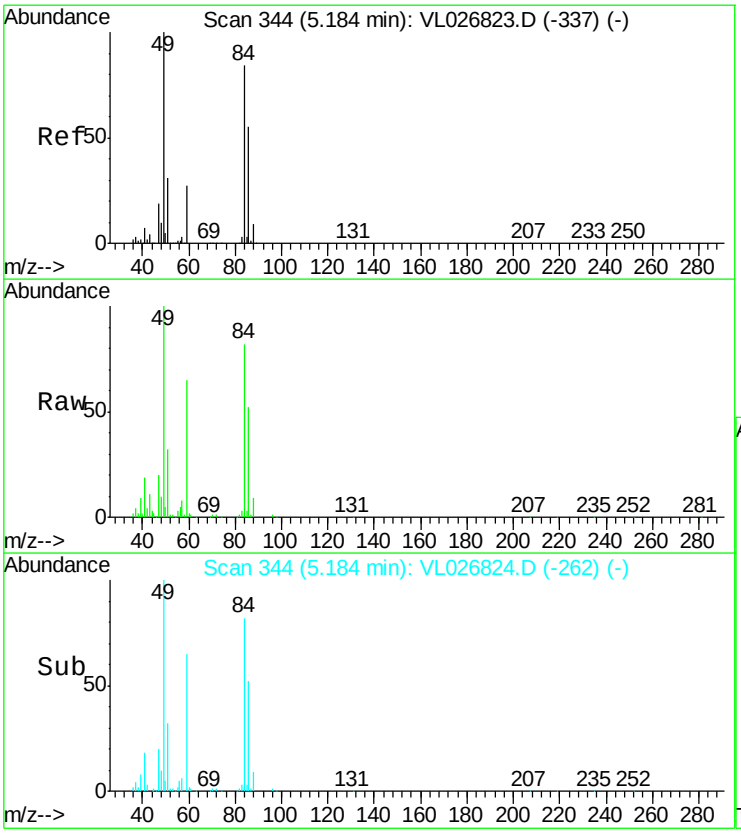
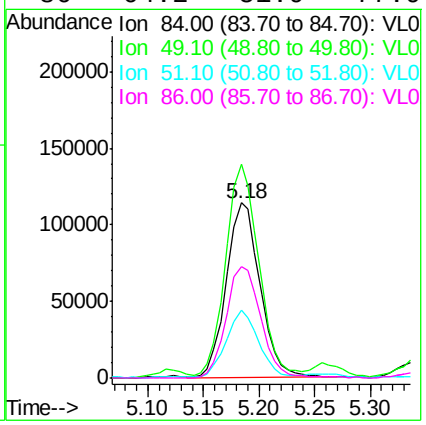


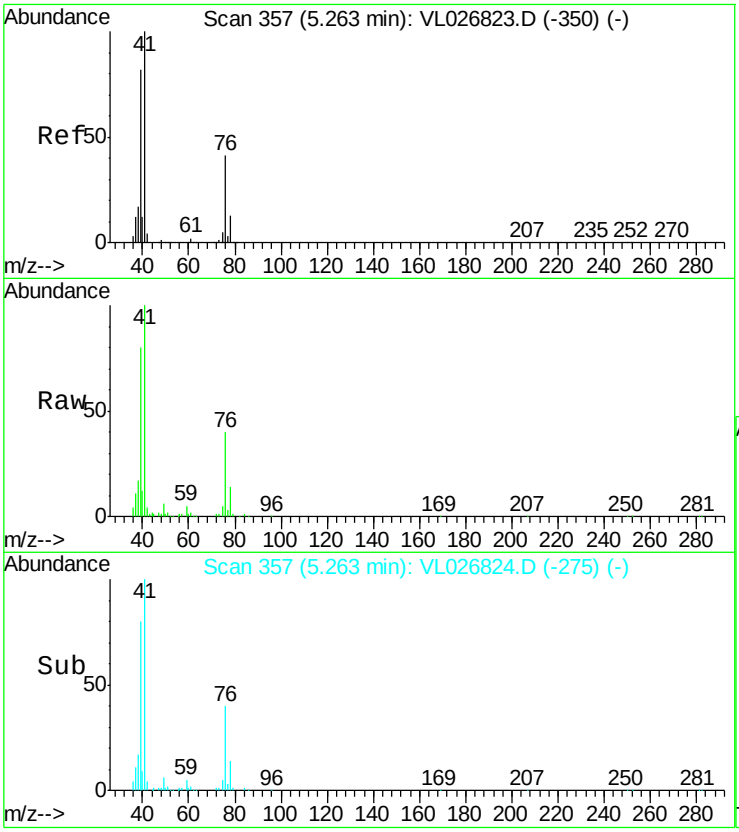


#20
Methylene Chloride
Concen: 1.85 ppbv
RT: 5.18 min Scan# 344
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 84 Resp: 239224

Ion	Ratio	Lower	Upper
84	100		
49	120.5	94.9	142.3
51	38.8	29.5	44.3
86	64.2	51.9	77.9

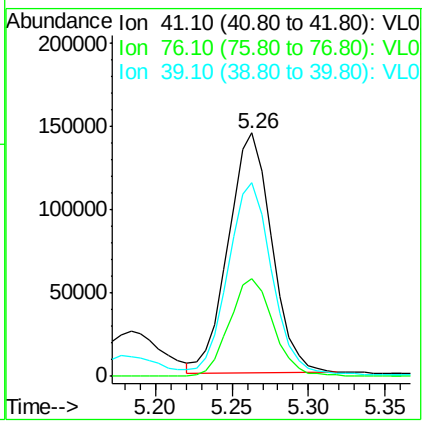




#21
Allvl Chloride
Concen: 1.69 ppbv
RT: 5.26 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 41 Resp: 285019

Ion	Ratio	Lower	Upper
41	100		
76	41.1	32.0	48.0
39	81.9	64.6	96.8



Instrument :
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ClientSampleId :
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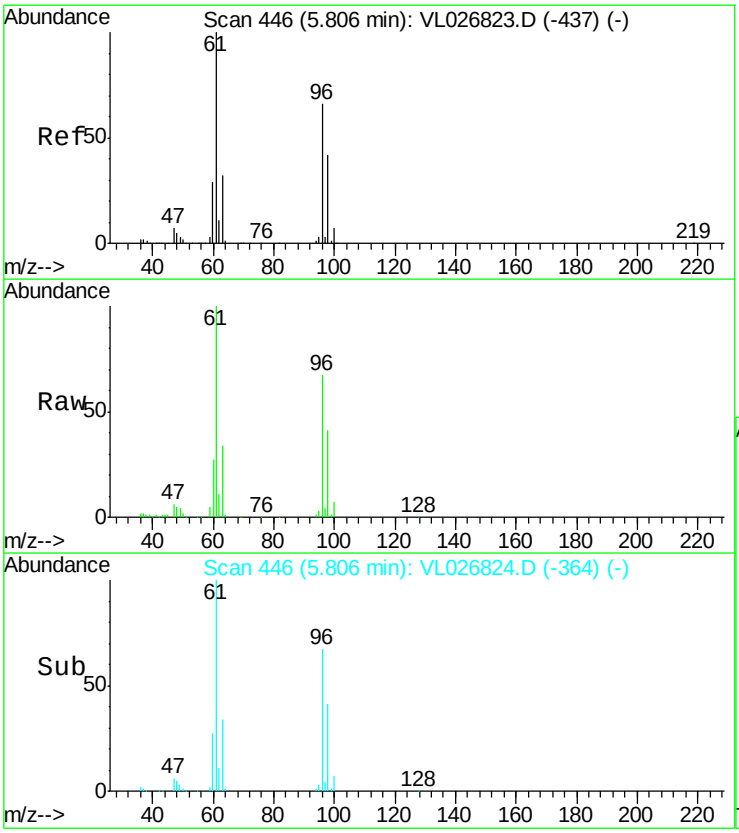
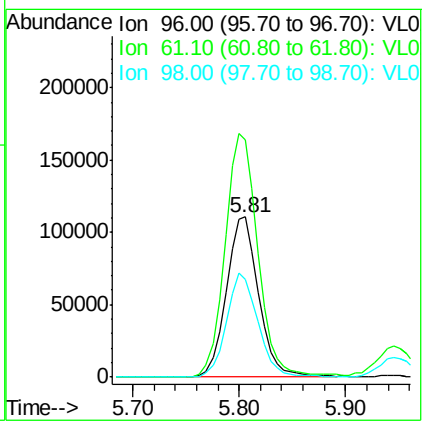
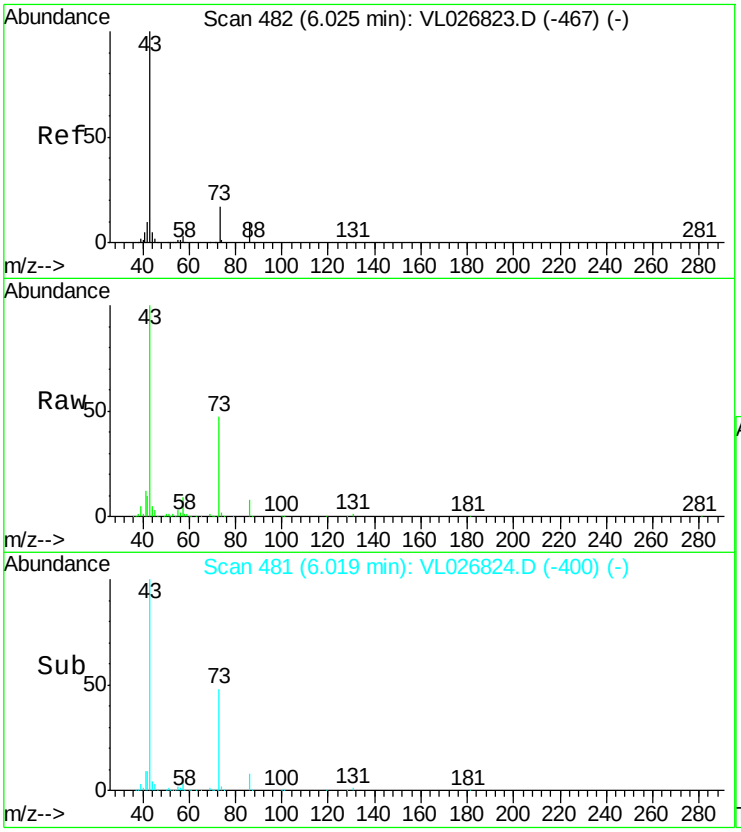


#22
trans-1,2-Dichloroethene
Concen: 1.76 ppbv
RT: 5.81 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 96 Resp: 234697

Ion	Ratio	Lower	Upper
96	100		
61	148.7	121.6	182.4
98	61.0	50.6	76.0

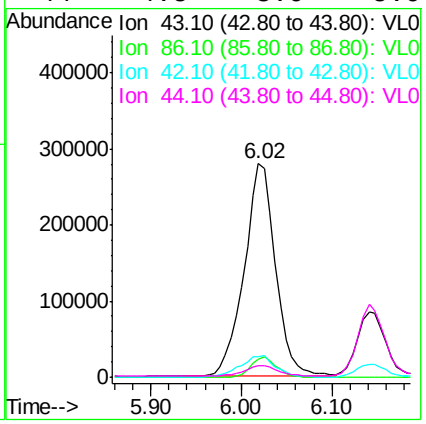




#23
Vinyl Acetate
Concen: 1.58 ppbv
RT: 6.02 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 670643

Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.7	11.5
42	9.6	7.8	11.8
44	4.5	3.9	5.9



Instrument :
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ClientSampleId :
VSTDICC002

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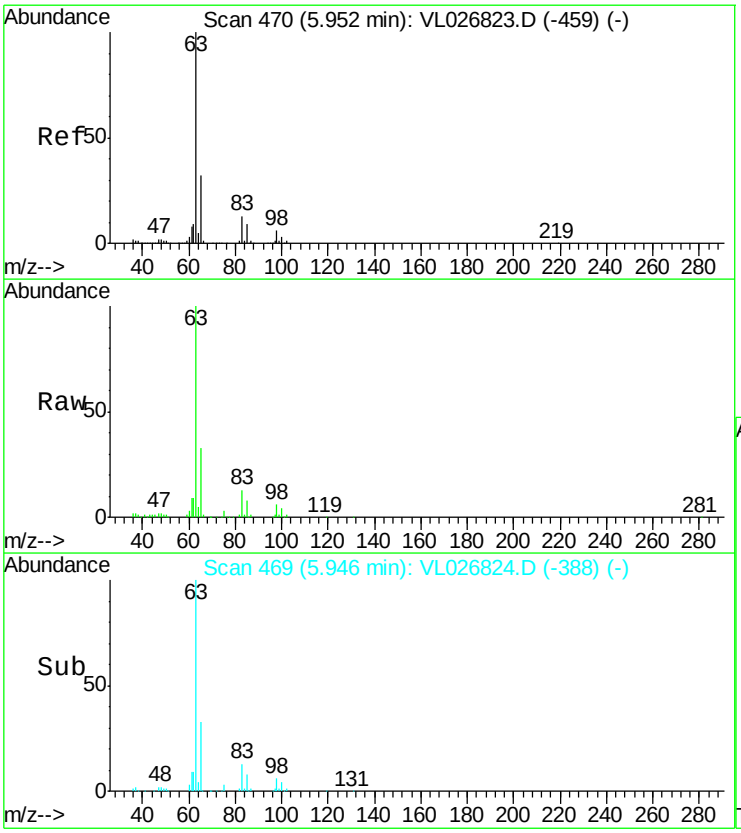
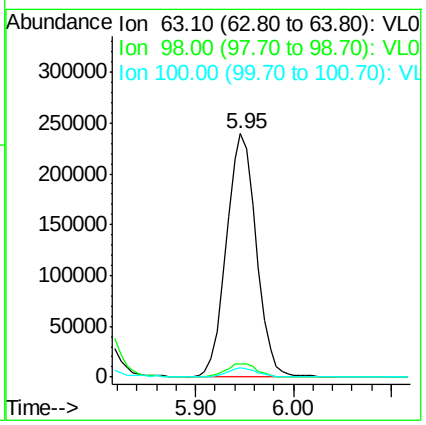
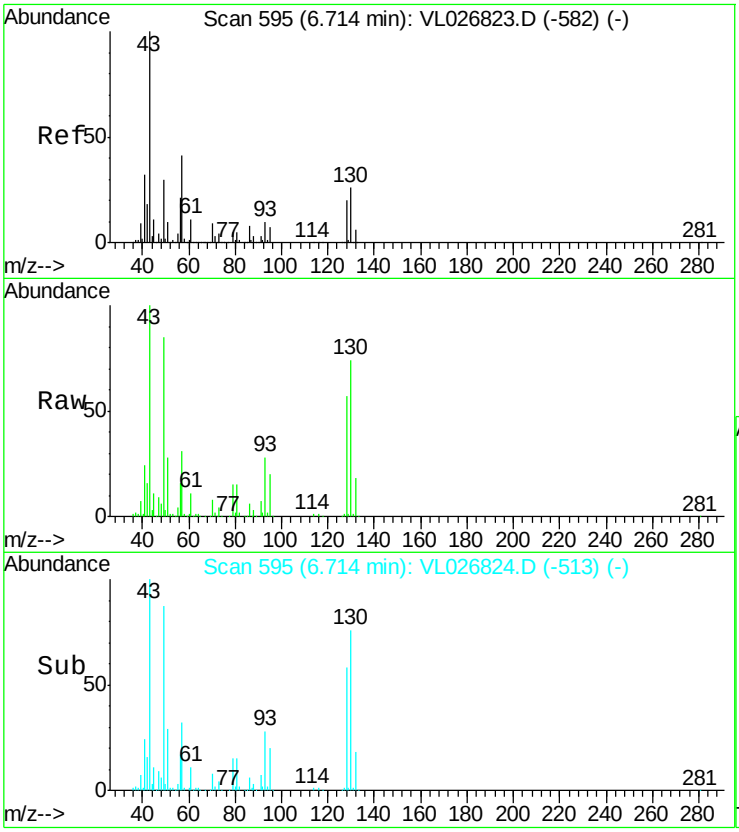


#24
1,1-Dichloroethane
Concen: 1.69 ppbv
RT: 5.95 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 63 Resp: 504098

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	4.1	1.7	5.1

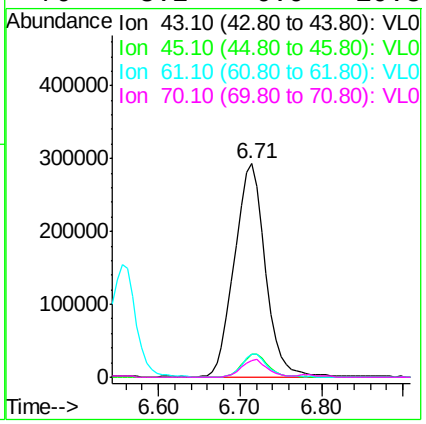




#25
Ethyl Acetate
Concen: 1.95 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 764019

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.5	7.9	11.9
70	8.2	6.9	10.3



Instrument :
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ClientSampleId :
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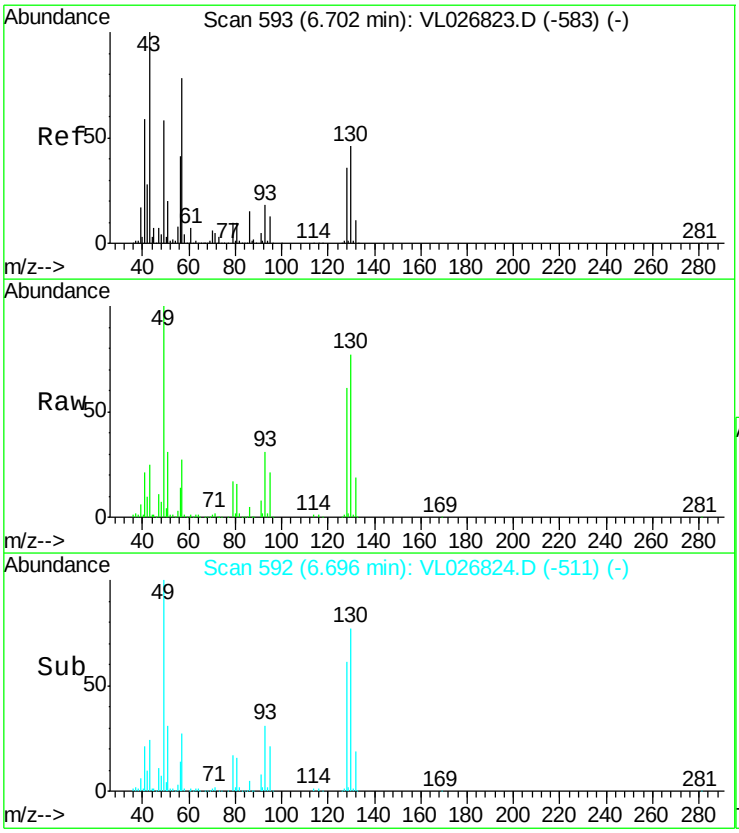
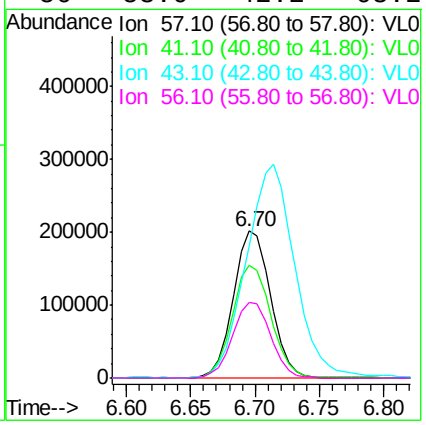
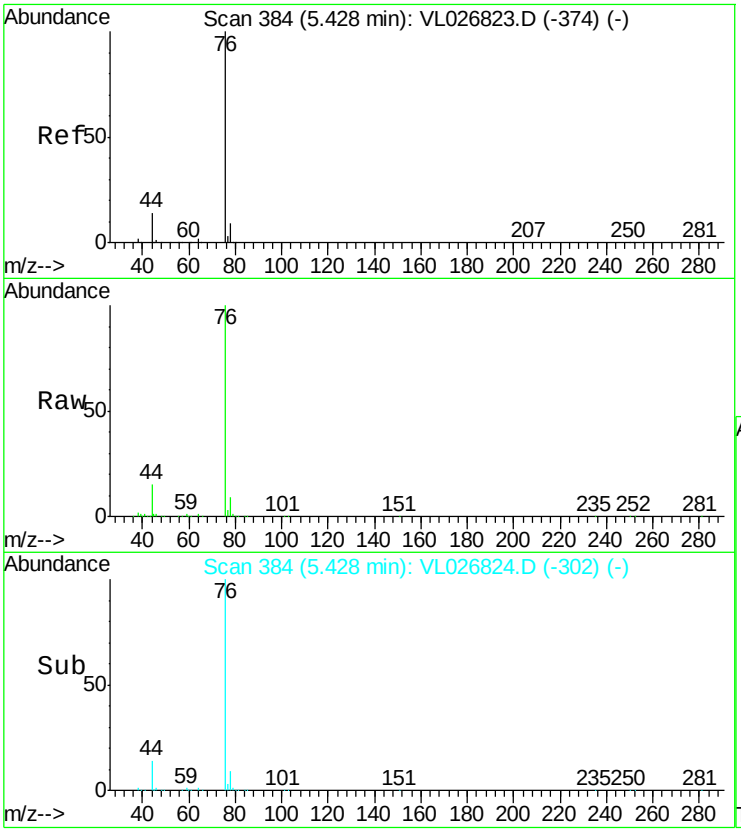


#26
Hexane
Concen: 2.07 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 57 Resp: 404156

Ion	Ratio	Lower	Upper
57	100		
41	81.8	63.3	94.9
43	191.3	151.4	227.2
56	53.0	42.2	63.2

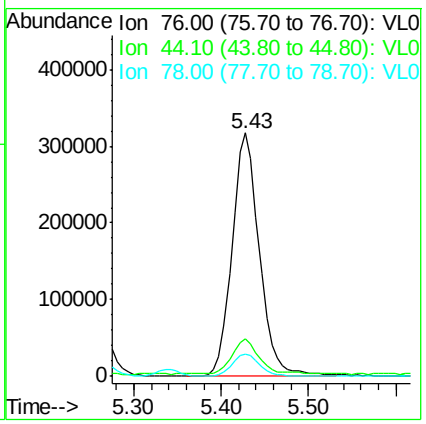




#27
Carbon Disulfide
Concen: 1.78 ppbv
RT: 5.43 min Scan# 384
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 76 Resp: 691528

Ion	Ratio	Lower	Upper
76	100		
44	14.7	12.1	18.1
78	9.7	7.7	11.5



Instrument :
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ClientSampleId :
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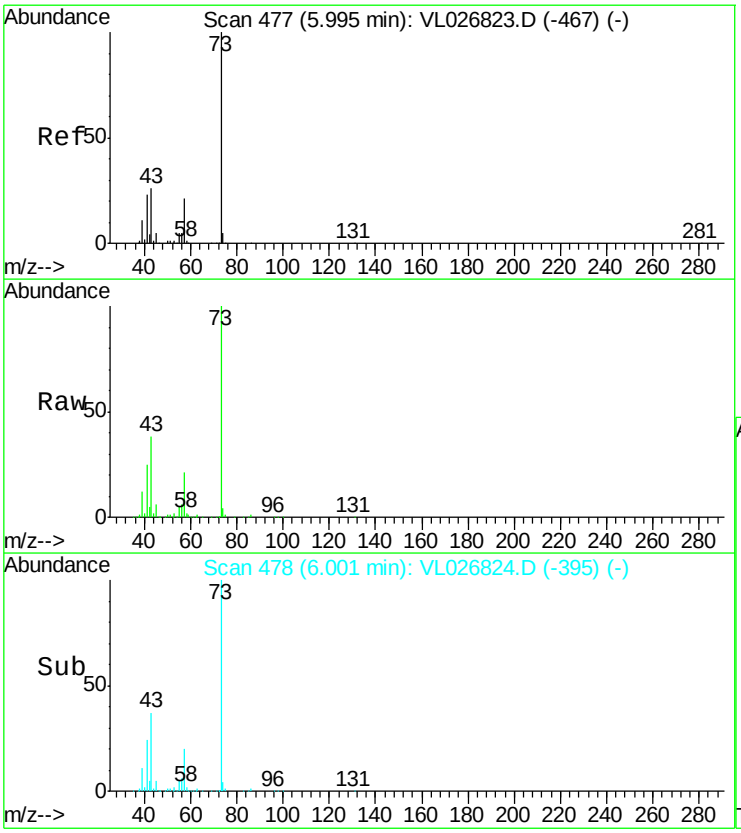
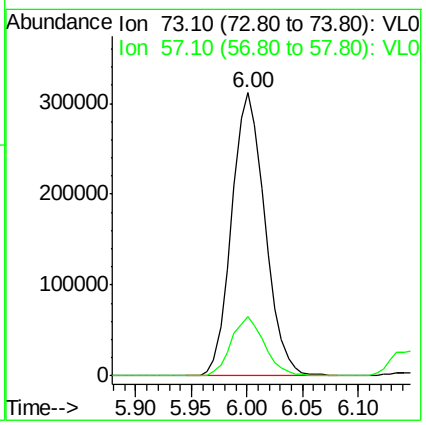
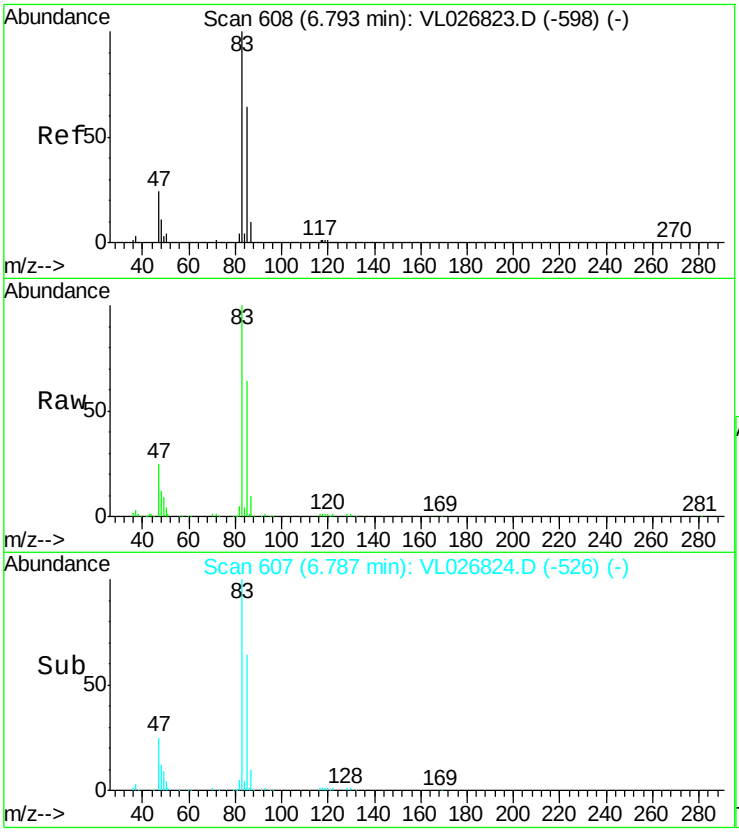


#28
Methyl tert-Butyl Ether
Concen: 1.48 ppbv
RT: 6.00 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 73 Resp: 645973

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.6

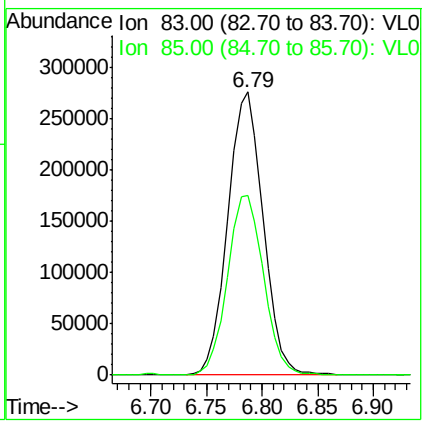




#29
Chloroform
Concen: 1.39 ppbv
RT: 6.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 83 Resp: 608513

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3



Instrument :
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ClientSampleId :
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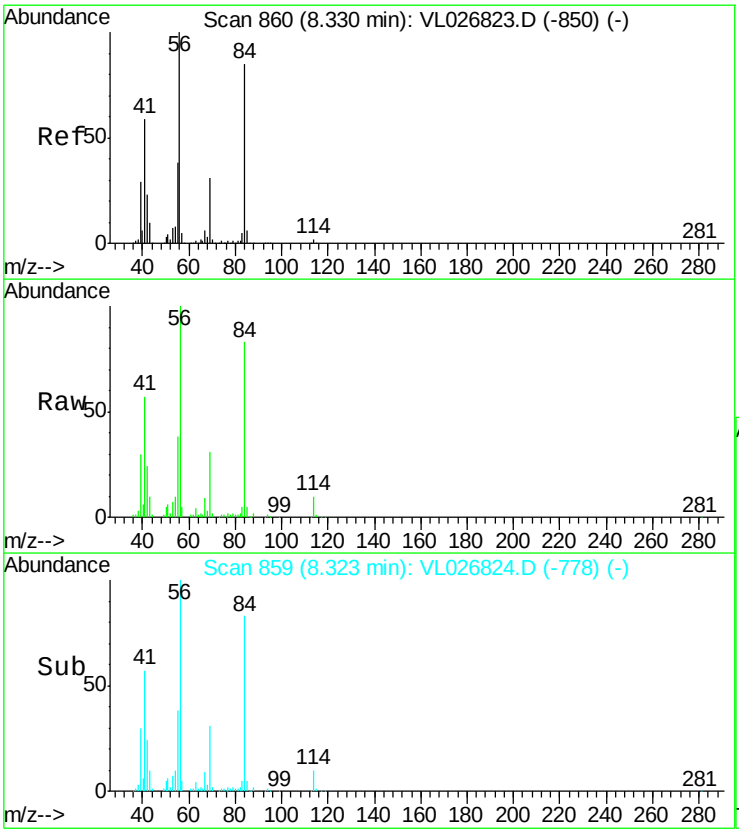
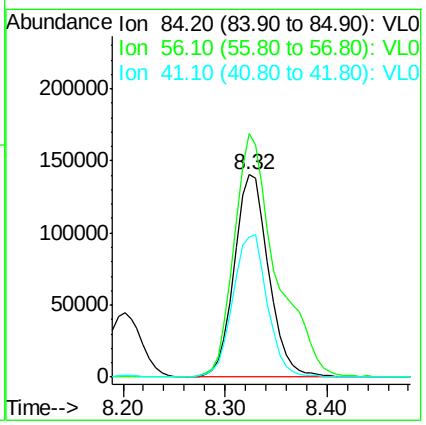
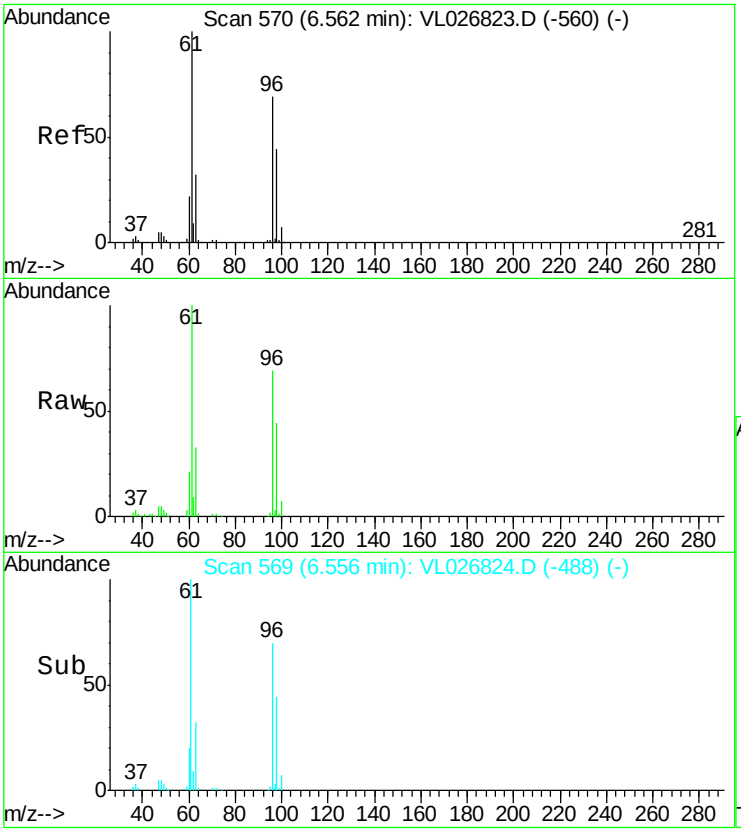


#30
Cyclohexane
Concen: 1.63 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 84 Resp: 328928

Ion	Ratio	Lower	Upper
84	100		
56	147.1	99.4	149.2
41	70.6	56.7	85.1

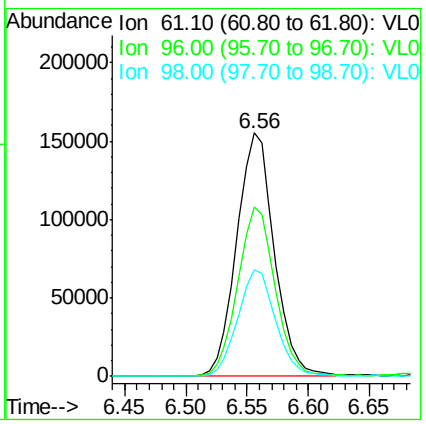




#31
cis-1,2-Dichloroethene
Concen: 1.56 ppbv
RT: 6.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 61 Resp: 332078

Ion	Ratio	Lower	Upper
61	100		
96	69.4	55.2	82.8
98	43.6	35.2	52.8



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ClientSampleId :
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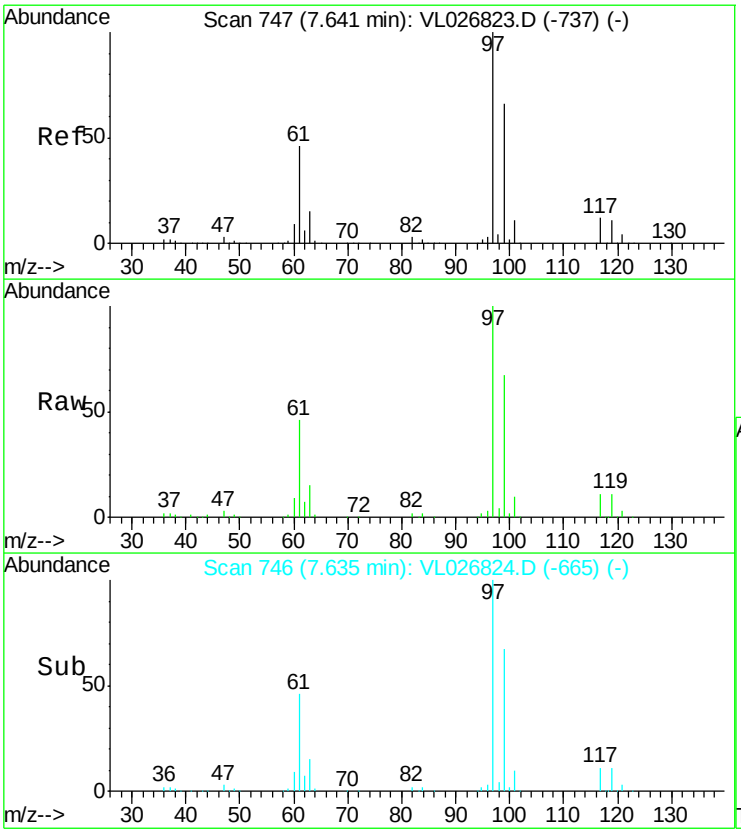
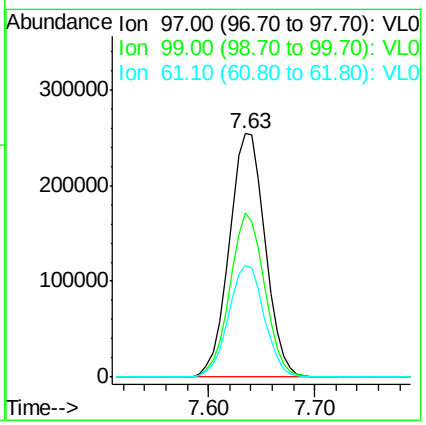
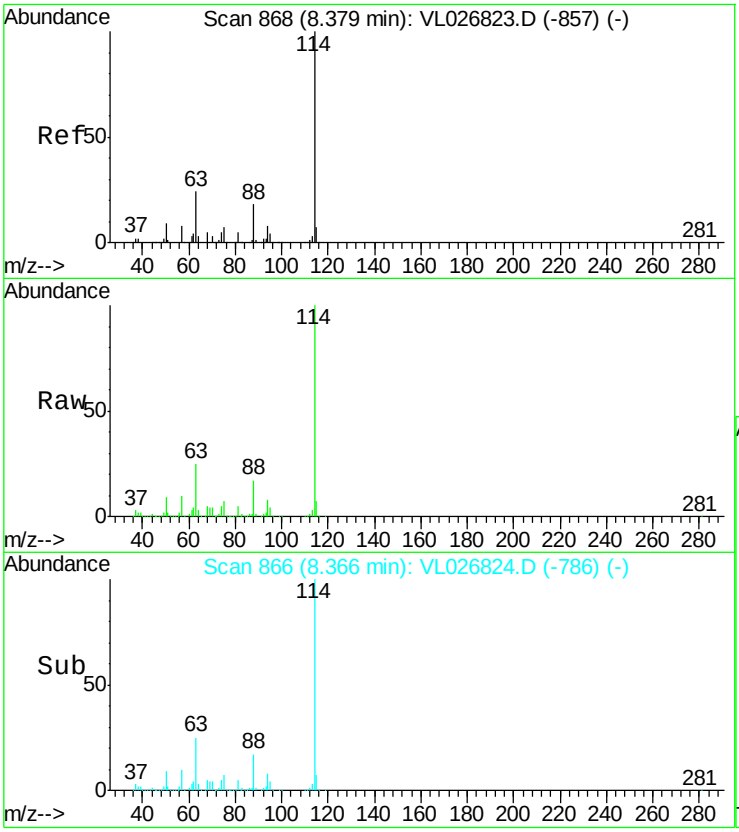


#32
1,1,1-Trichloroethane
Concen: 1.21 ppbv
RT: 7.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 97 Resp: 603598

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	45.9	36.2	54.4

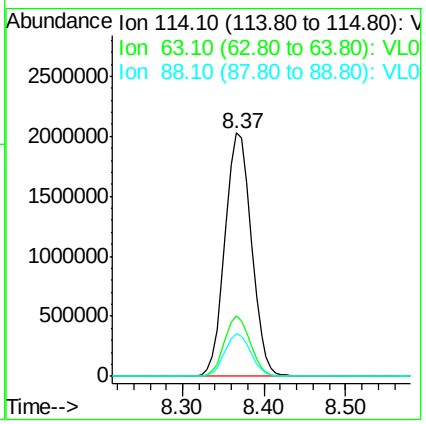




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.37 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:114 Resp: 4564495

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.7	29.5
88	17.2	13.8	20.6



Instrument :
MSVOA_L
ClientSampleId :
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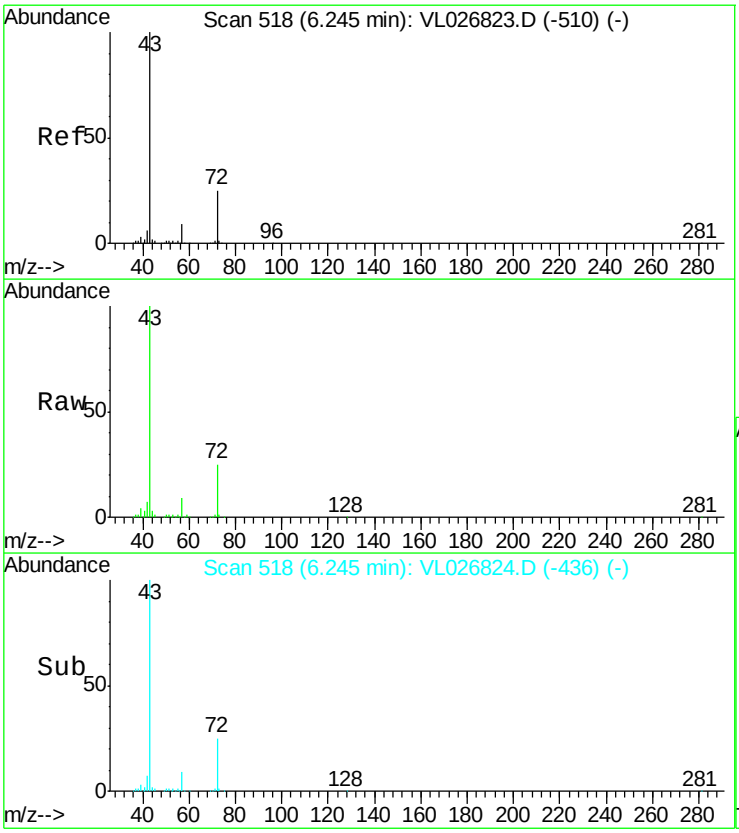
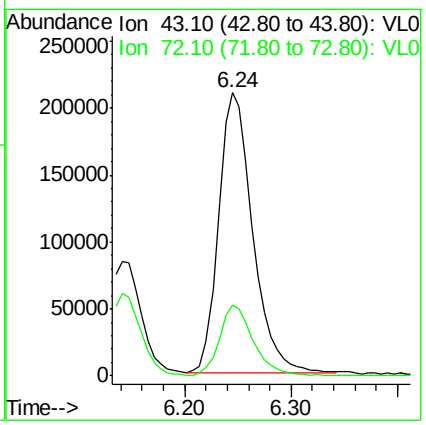
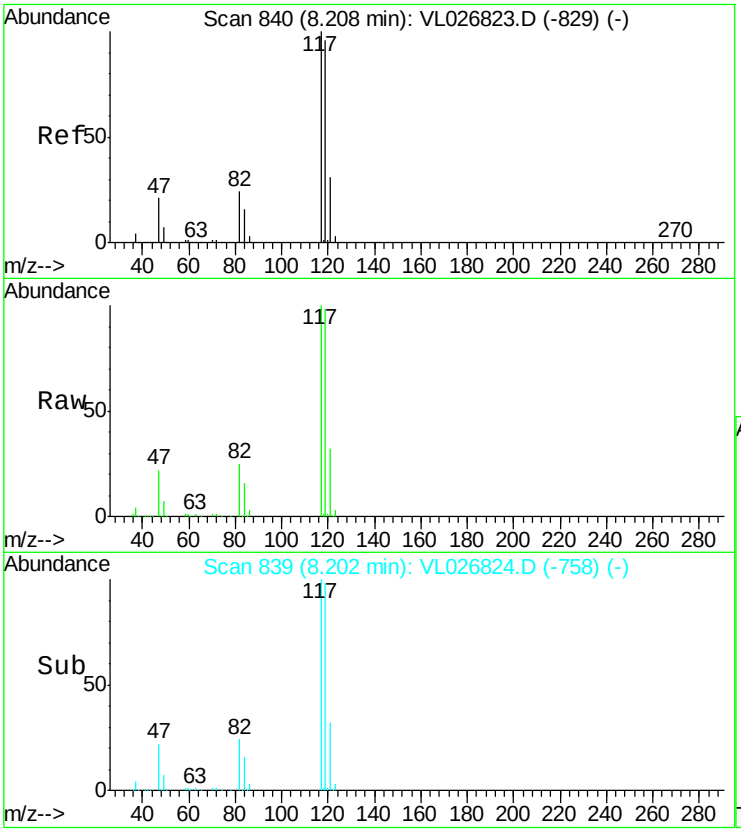


#34
2-Butanone
Concen: 2.20 ppbv
RT: 6.24 min Scan# 518
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 466773

Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.8	29.8

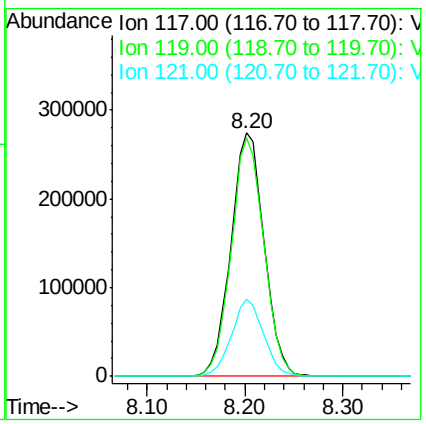




#35
Carbon Tetrachloride
Concen: 1.43 ppbv
RT: 8.20 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:117 Resp: 646799

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	115.0
121	31.6	25.0	37.4



Instrument :
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ClientSampleId :
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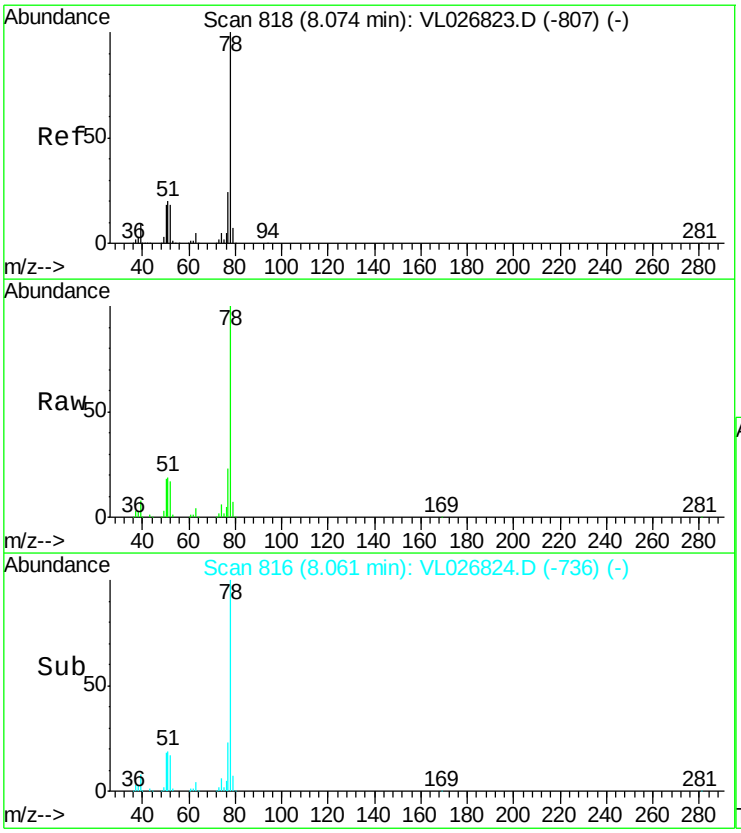
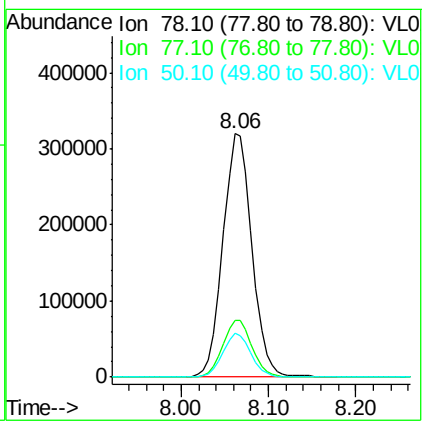
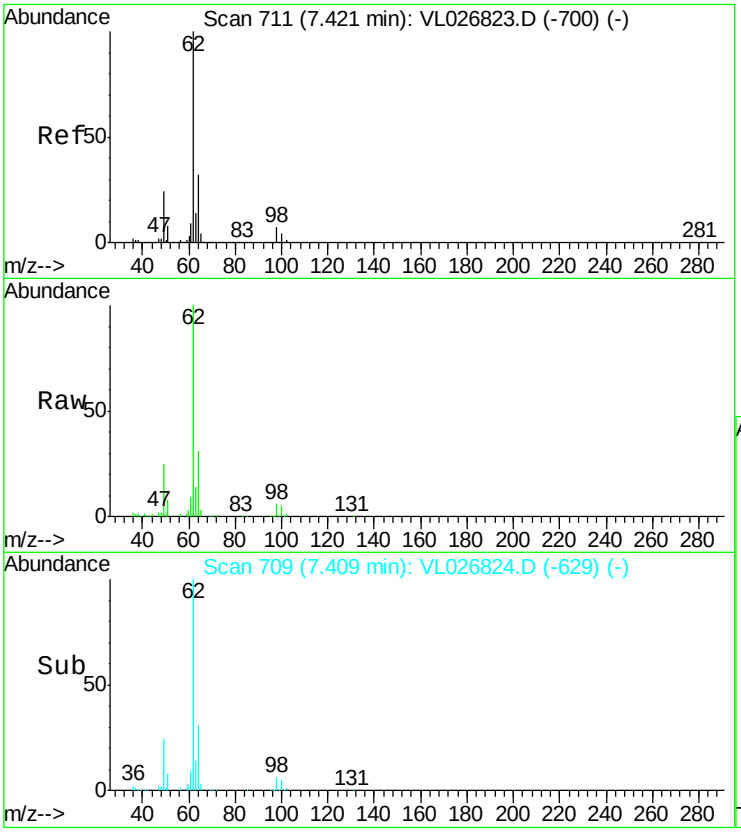


#36
Benzene
Concen: 1.93 ppbv
RT: 8.06 min Scan# 816
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 78 Resp: 737666

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6
50	17.9	14.2	21.4

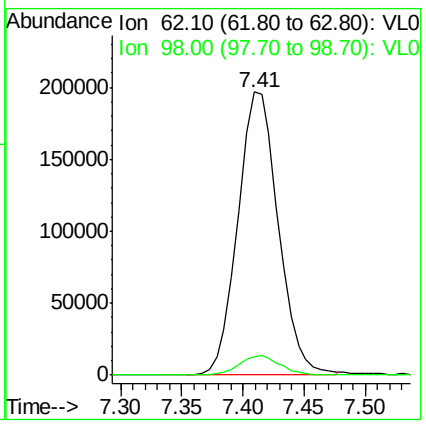




#37
1,2-Dichloroethane
Concen: 1.38 ppbv
RT: 7.41 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 62 Resp: 453037

Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.2



Instrument :
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ClientSampleId :
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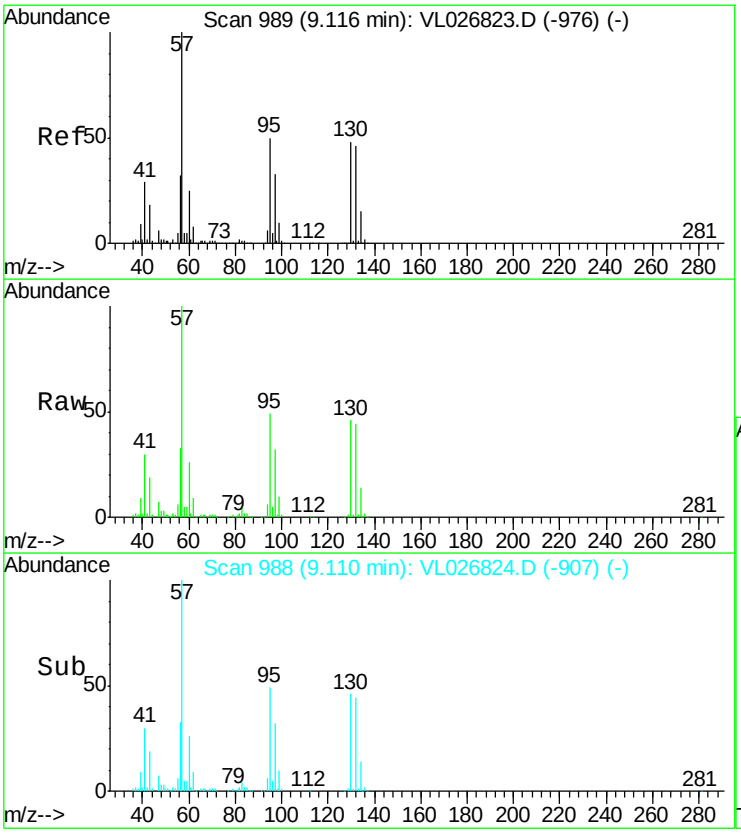
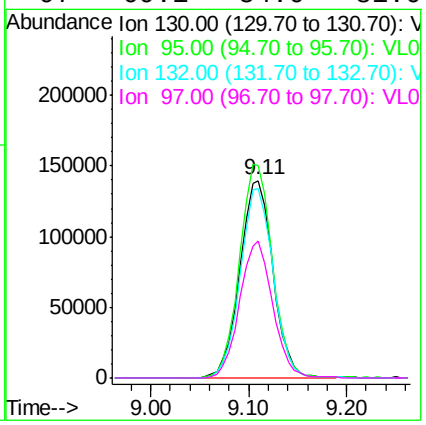
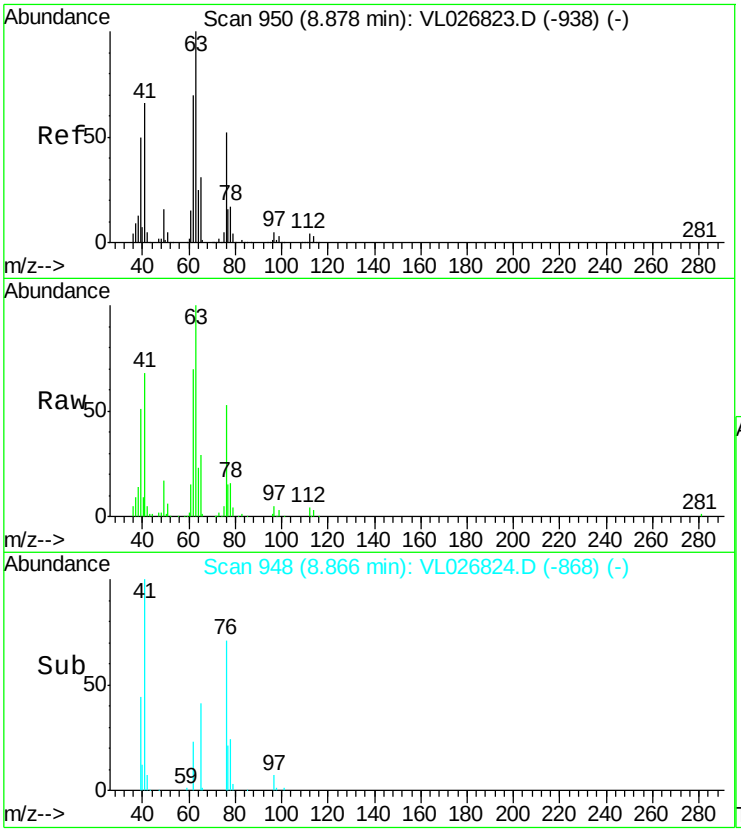


#38
Trichloroethene
Concen: 1.82 ppbv
RT: 9.11 min Scan# 988
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:130 Resp: 329237

Ion	Ratio	Lower	Upper
130	100		
95	107.6	83.0	124.6
132	95.9	76.0	114.0
97	69.1	54.0	81.0

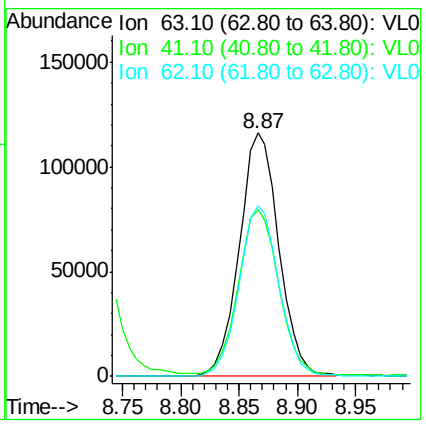




#39
1,2-Dichloropropane
Concen: 2.13 ppbv
RT: 8.87 min Scan# 948
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 63 Resp: 273942

Ion	Ratio	Lower	Upper
63	100		
41	67.8	53.2	79.8
62	70.4	56.0	84.0



Instrument :
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ClientSampleId :
VSTDICC002

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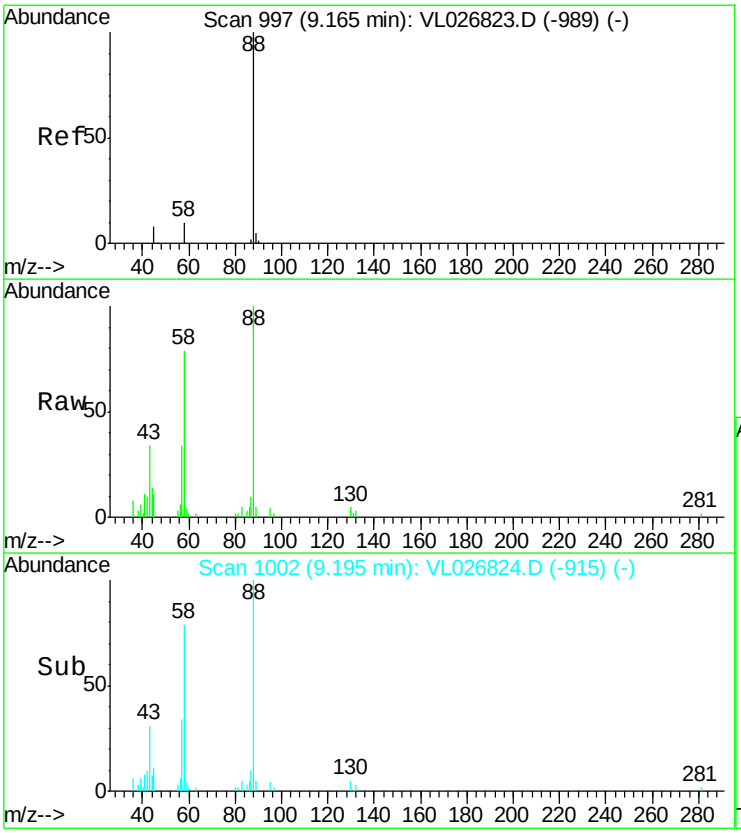
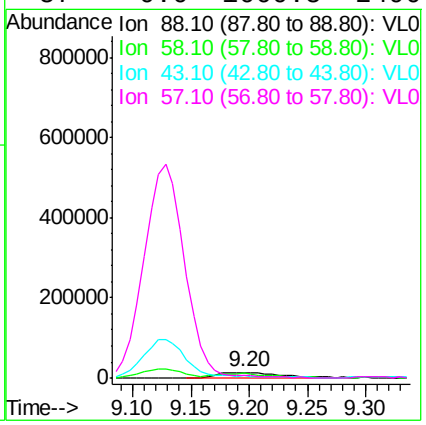
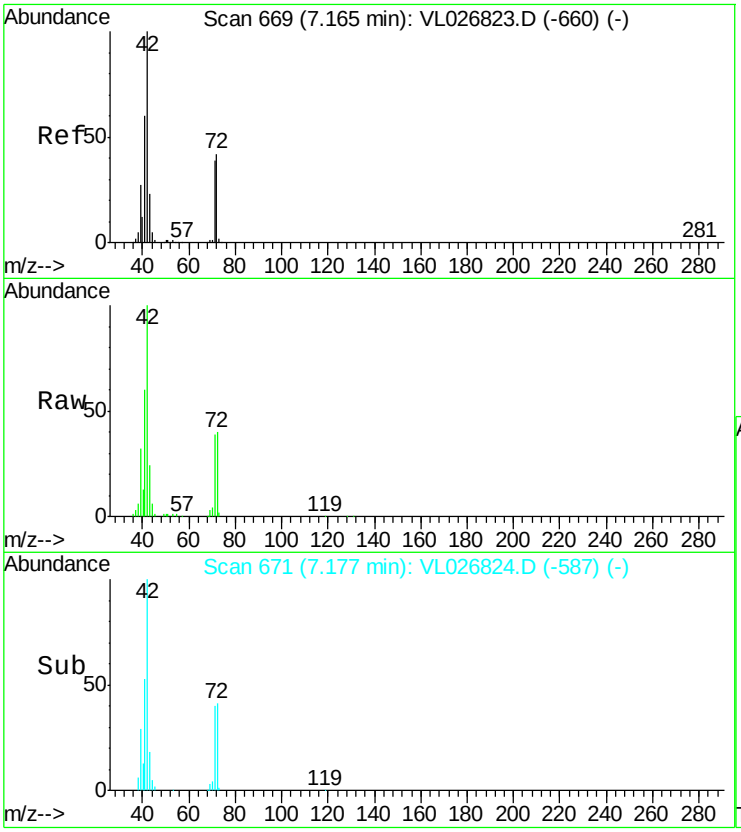


#40
1,4-Dioxane
Concen: 1.69 ppbv
RT: 9.20 min Scan# 1002
Delta R.T. 0.03 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 88 Resp: 53053

Ion	Ratio	Lower	Upper
88	100		
58	60.1	135.6	203.4#
43	0.0	332.3	498.5#
57	0.0	1660.5	2490.7#

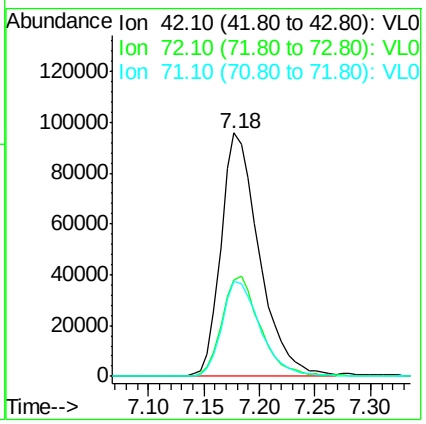




#41
Tetrahydrofuran
Concen: 2.38 ppbv
RT: 7.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 42 Resp: 228677

Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.4	50.0
71	39.2	32.1	48.1



Instrument :
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ClientSampleId :
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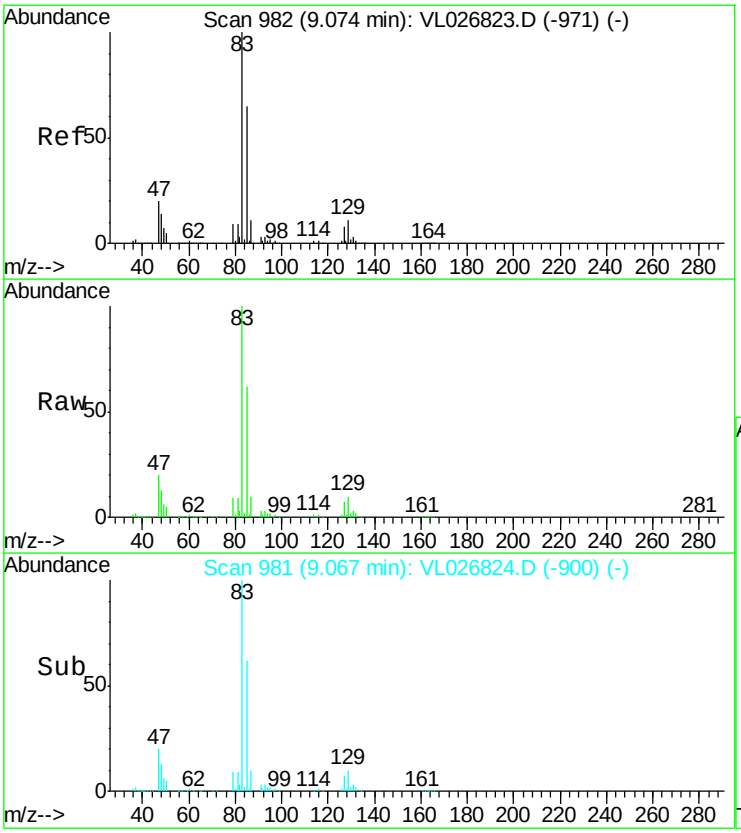
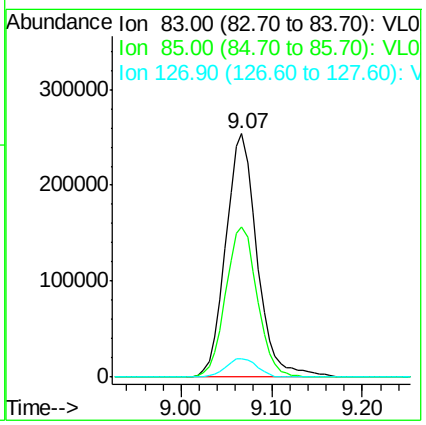
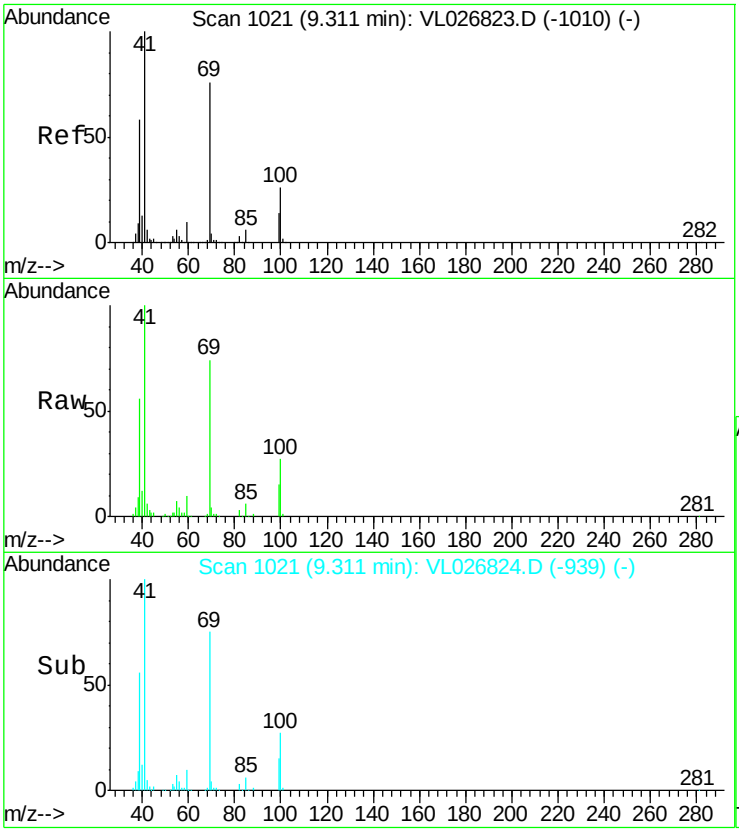


#42
Bromodichloromethane
Concen: 1.43 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 83 Resp: 609722

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.6
127	7.5	6.4	9.6

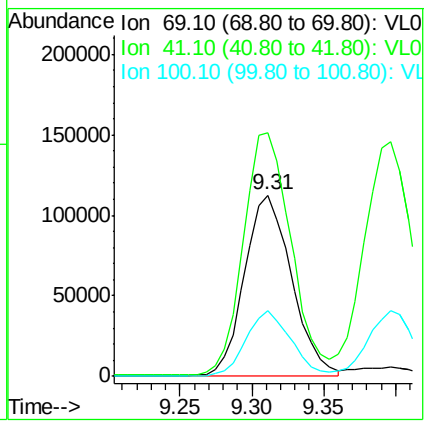




#43
Methyl Methacrylate
Concen: 1.74 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 69 Resp: 256454

Ion	Ratio	Lower	Upper
69	100		
41	133.9	106.5	159.7
100	34.2	27.2	40.8



Instrument :
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ClientSampleId :
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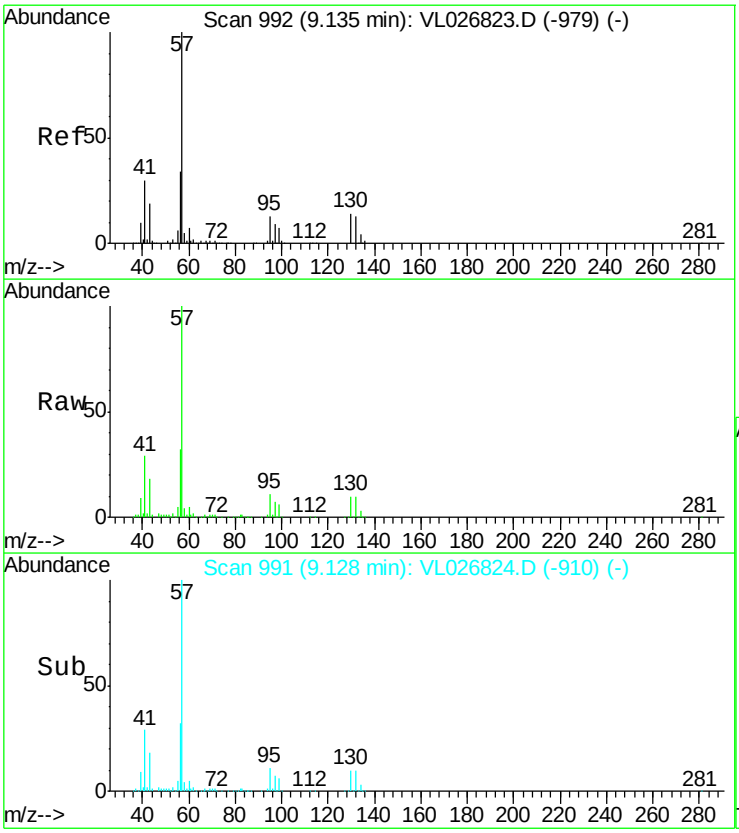
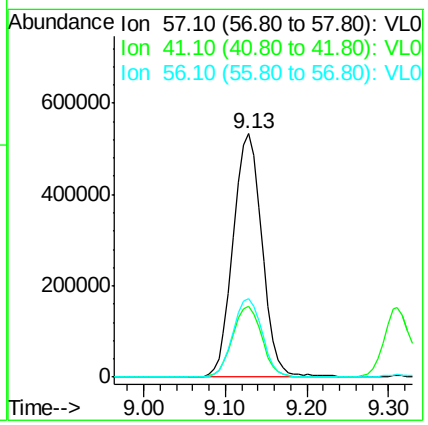
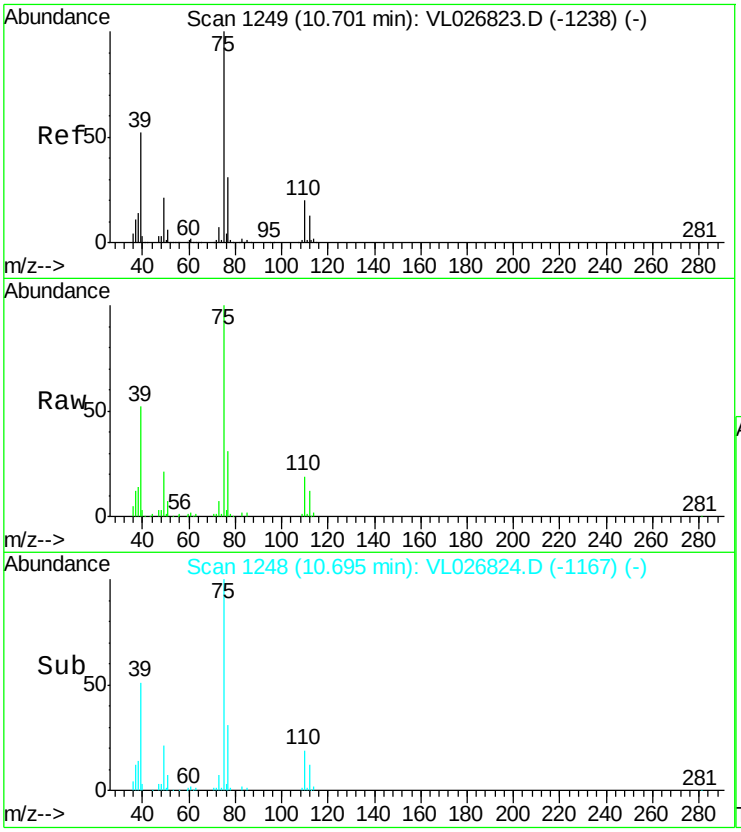


#44
2,2,4-Trimethylpentane
Concen: 2.15 ppbv
RT: 9.13 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 57 Resp: 1306104

Ion	Ratio	Lower	Upper
57	100		
41	29.4	23.2	34.8
56	32.6	26.2	39.4





#45
t-1,3-Dichloropropene
Concen: 1.32 ppbv
RT: 10.69 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 75 Resp: 335677

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6

Instrument :
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ClientSampleId :
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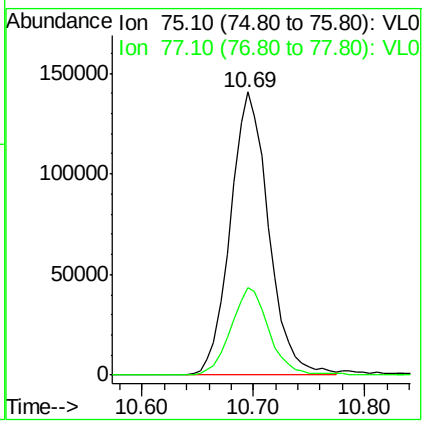
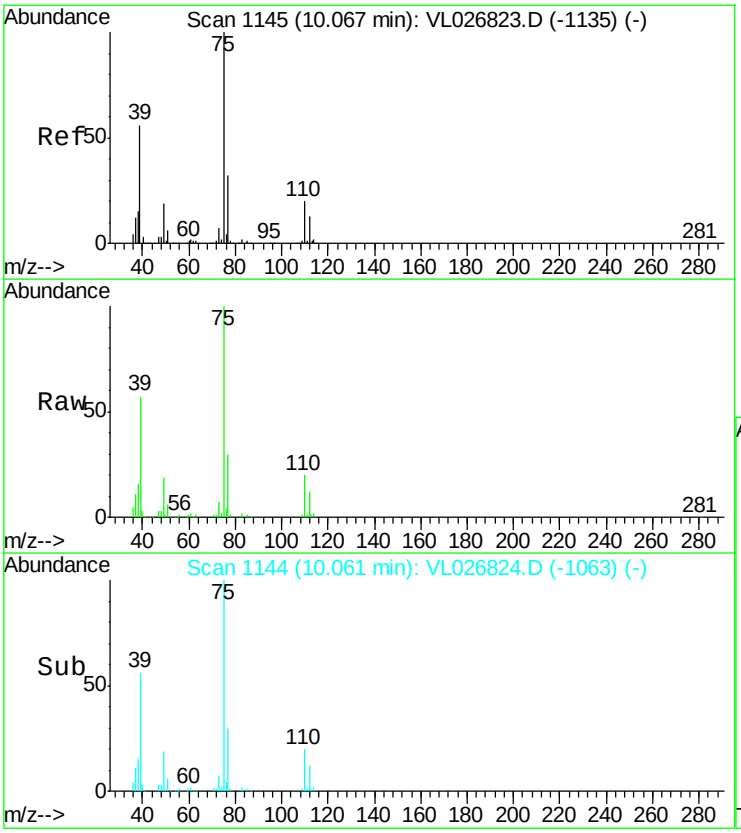
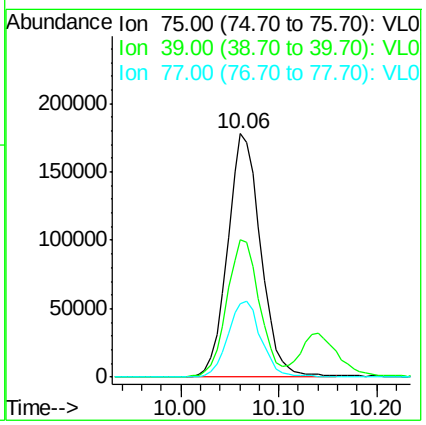


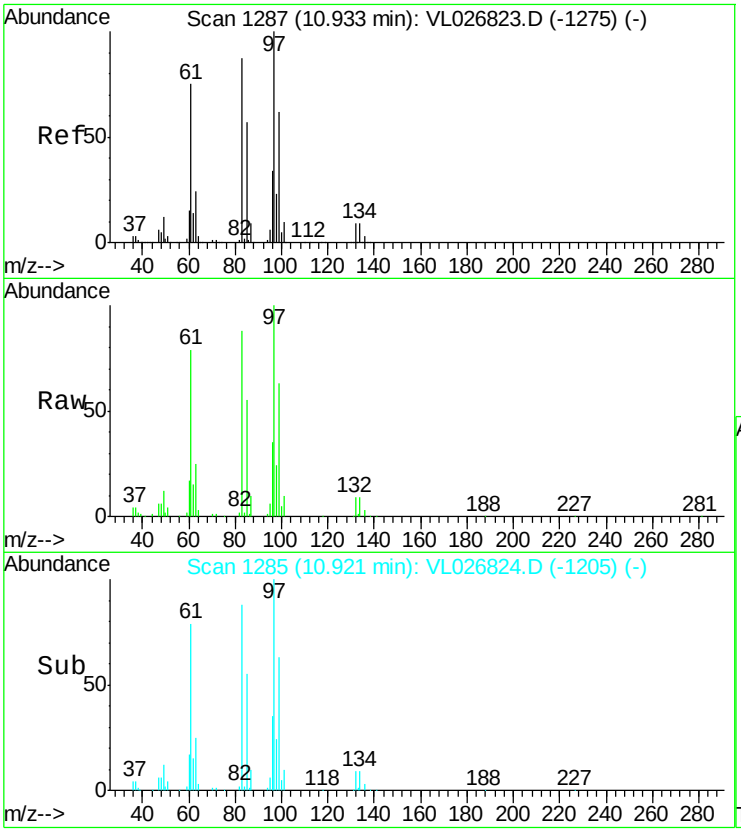


#46
cis-1,3-Dichloropropene
Concen: 1.53 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 75 Resp: 417660

Ion	Ratio	Lower	Upper
75	100		
39	56.4	45.0	67.6
77	30.4	25.2	37.8

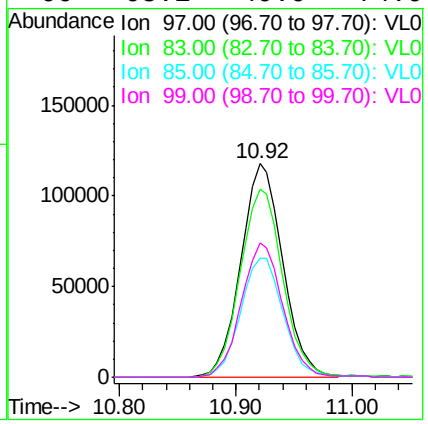




#47
1,1,2-Trichloroethane
Concen: 1.45 ppbv
RT: 10.92 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 97 Resp: 295716

Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.7	104.5
85	55.5	45.3	67.9
99	63.1	49.9	74.9



Instrument :
MSVOA_L
ClientSampleId :
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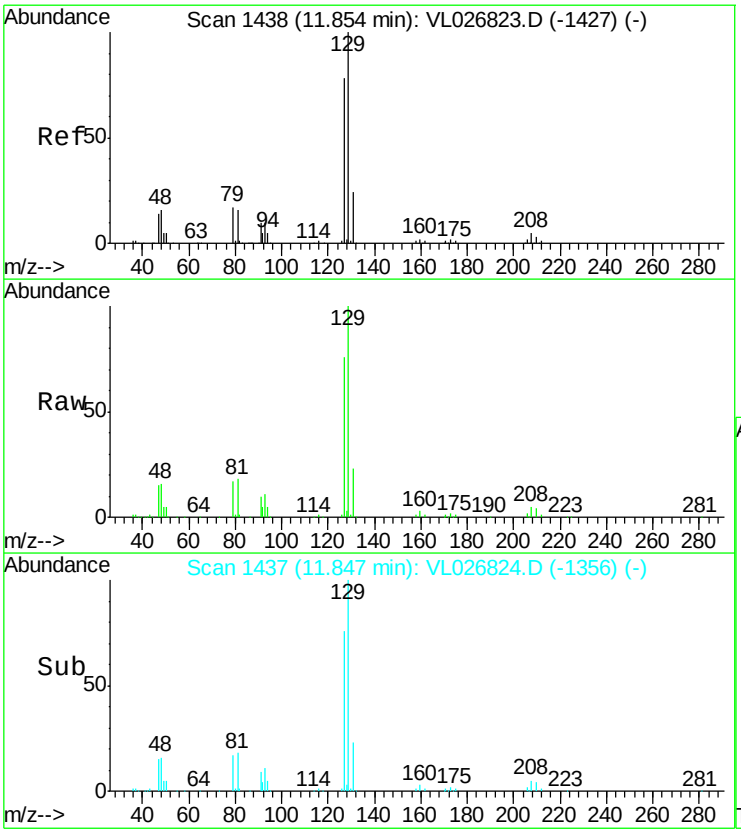
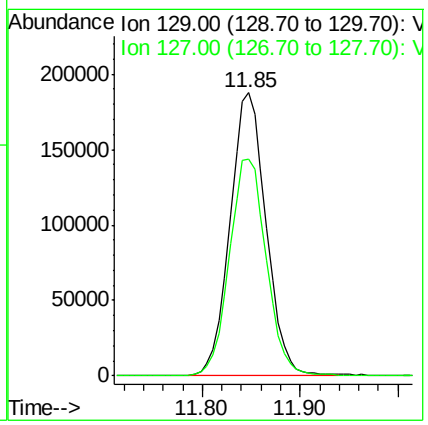
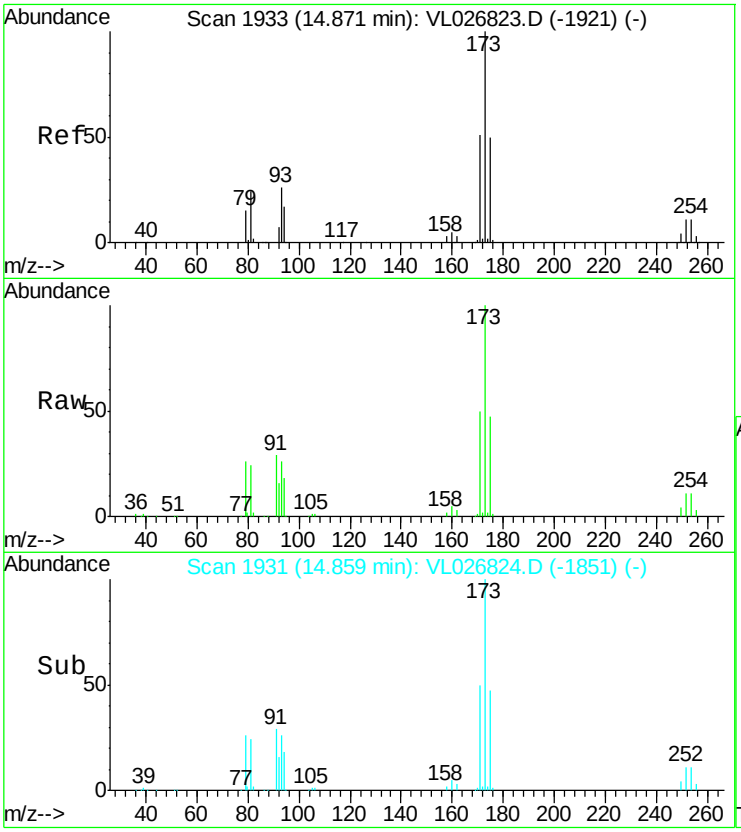


#48
Dibromochloromethane
Concen: 1.25 ppbv
RT: 11.85 min Scan# 1437
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:129 Resp: 478982

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.6	119.0

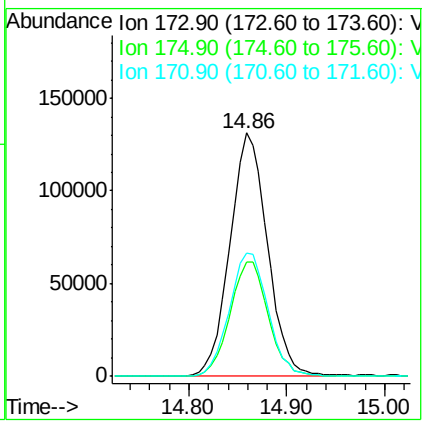




#49
Bromoform
Concen: 1.06 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:173 Resp: 349775

Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.2	58.8
171	52.4	41.4	62.0



Instrument :
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ClientSampleId :
VSTDICC002

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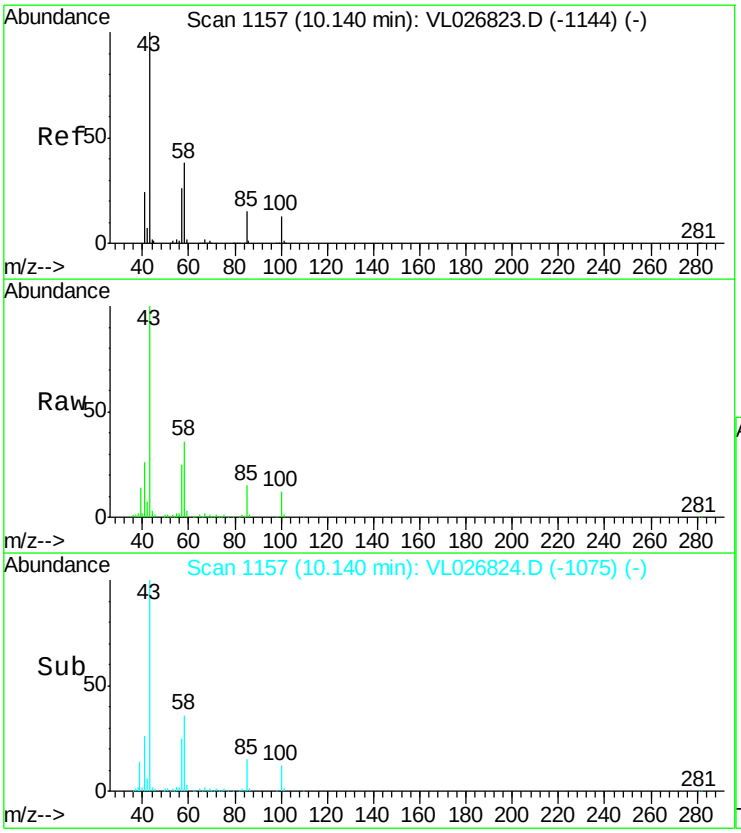
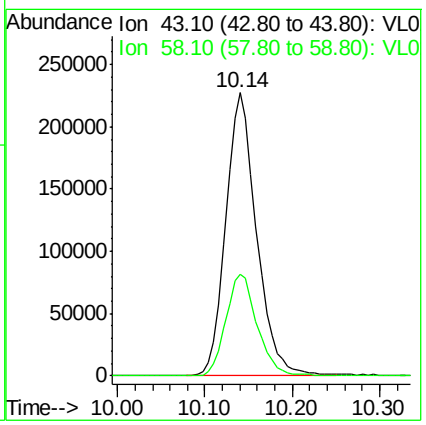
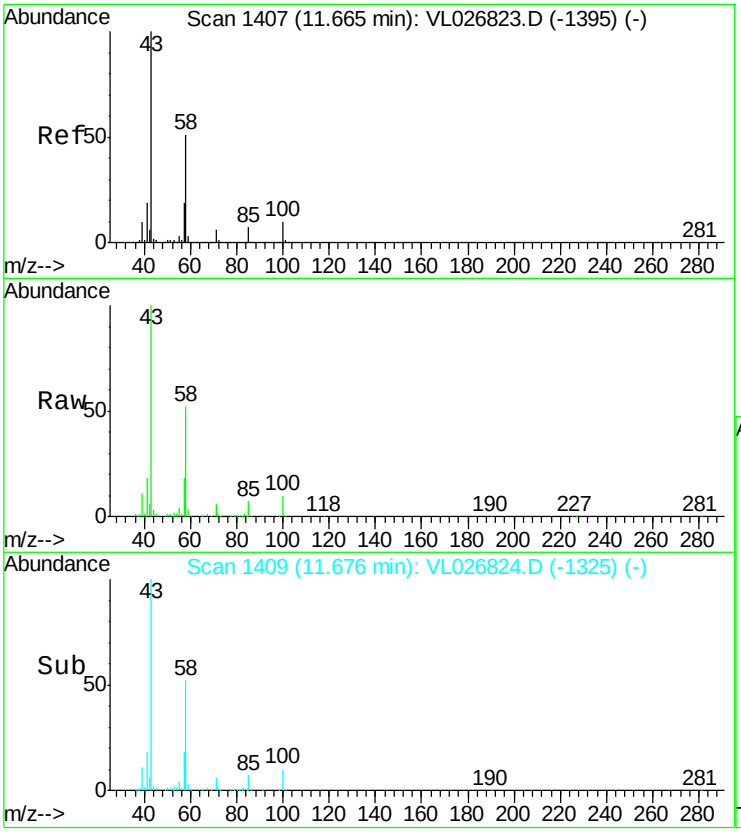


#50
4-Methyl-2-Pentanone
Concen: 1.87 ppbv
RT: 10.14 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 552136

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.3	45.5

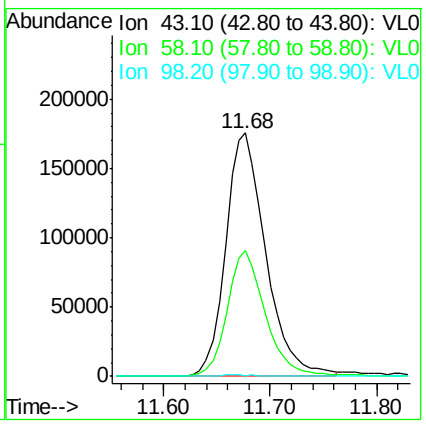




#51
2-Hexanone
Concen: 1.61 ppbv
RT: 11.68 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 43 Resp: 458462

Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.4	60.6
98	0.6	0.2	0.4#



Instrument :
MSVOA_L
ClientSampleId :
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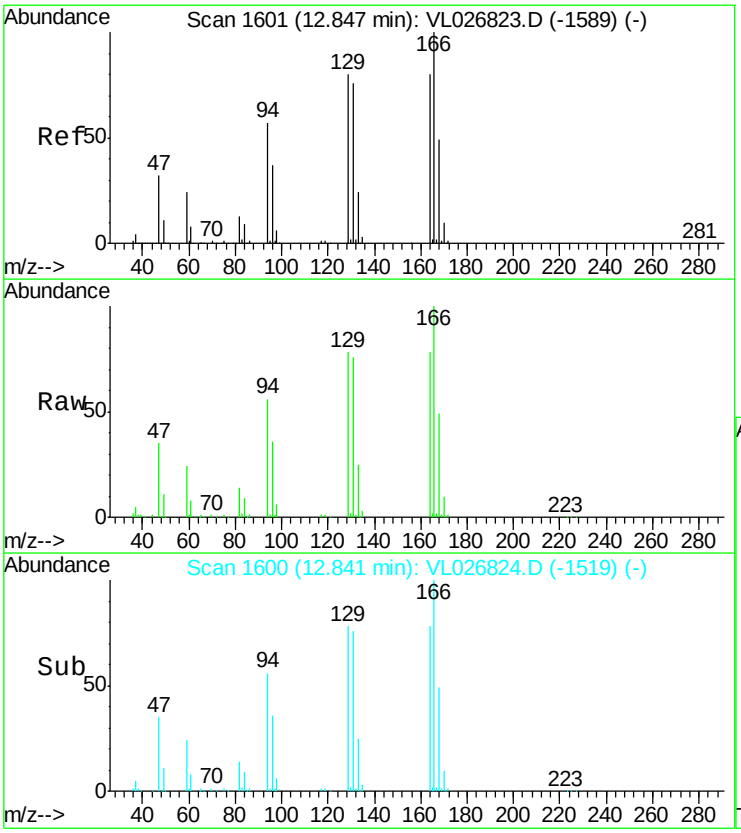
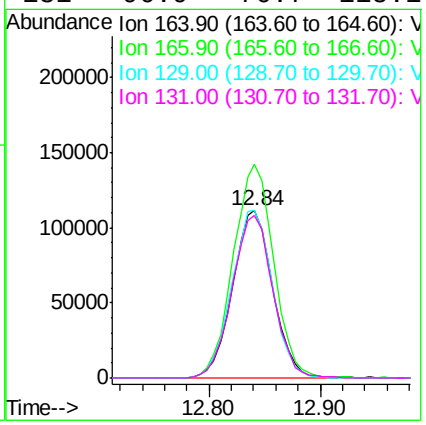
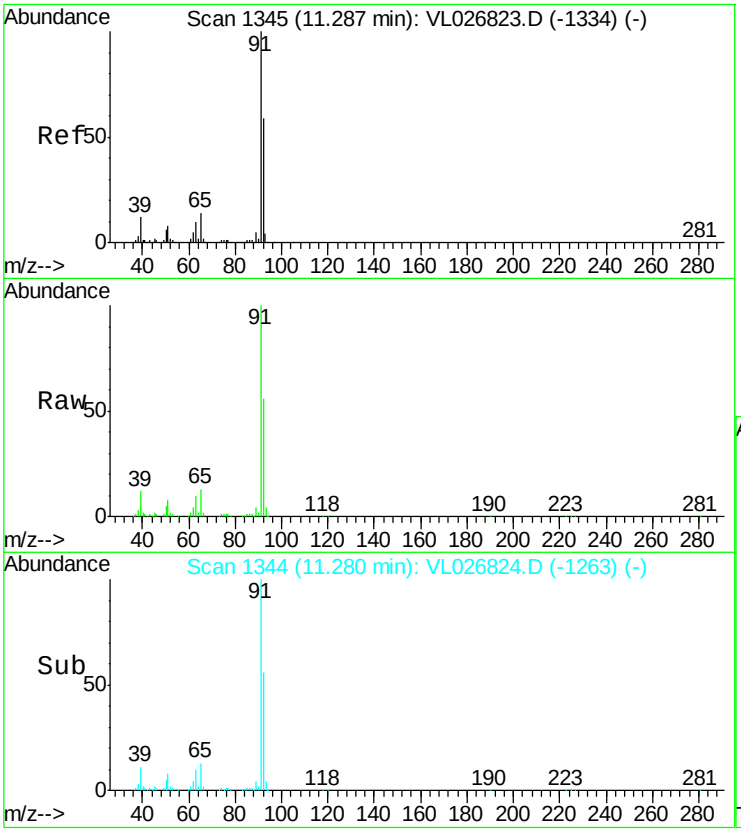


#52
Tetrachloroethene
Concen: 1.30 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:164 Resp: 279026

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.3	150.5
129	100.1	80.0	120.0
131	96.9	76.7	115.1





#53
Toluene
Concen: 1.50 ppbv
RT: 11.28 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 845070

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.3	70.9

Instrument :
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ClientSampleId :
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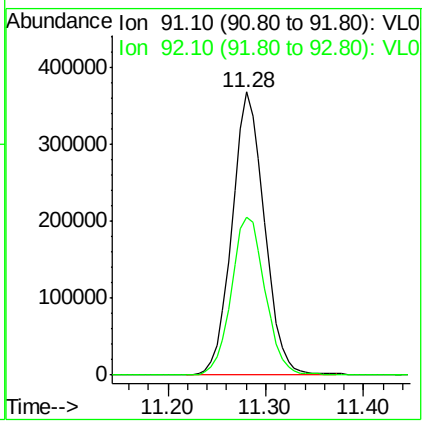
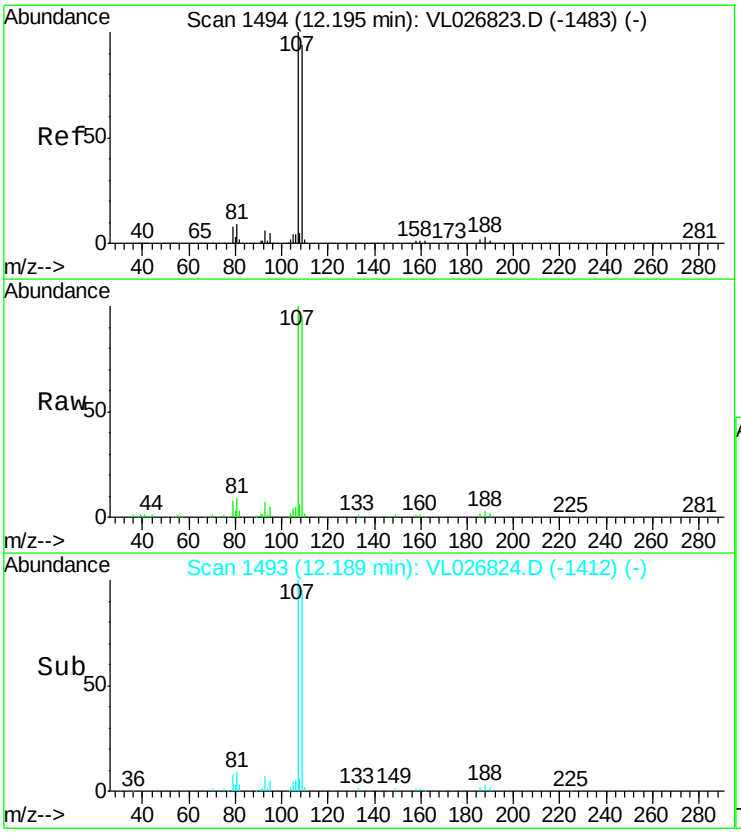
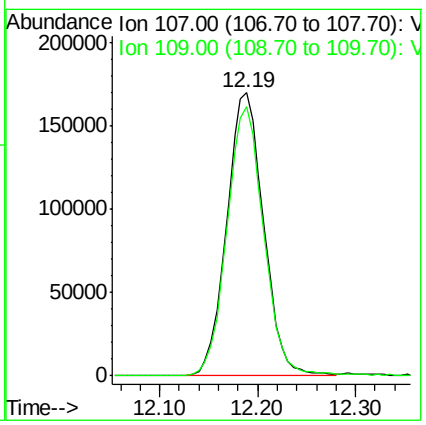


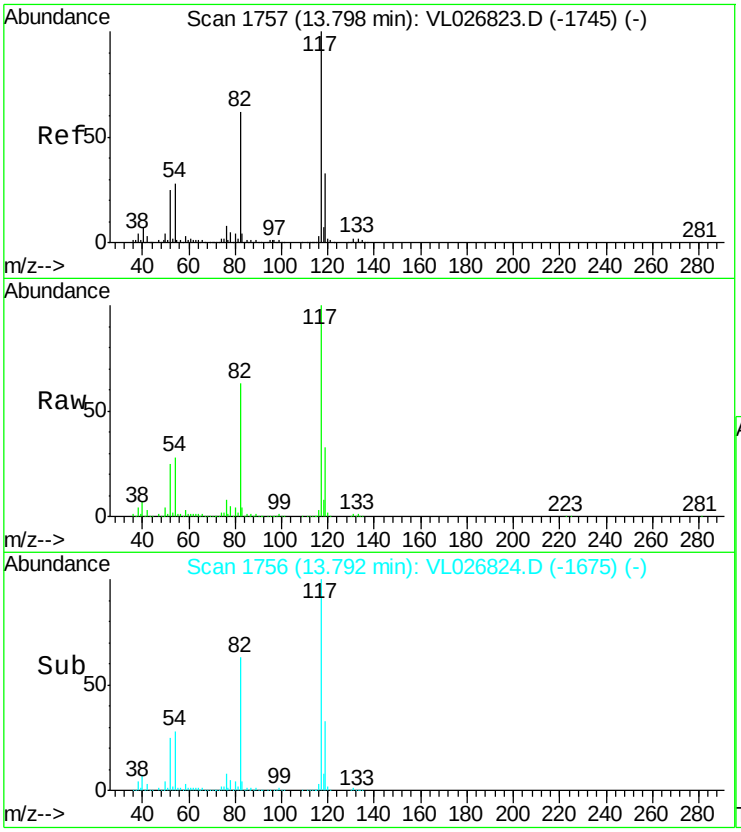


#54
1,2-Dibromoethane
Concen: 1.29 ppbv
RT: 12.19 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:107 Resp: 444235

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.4

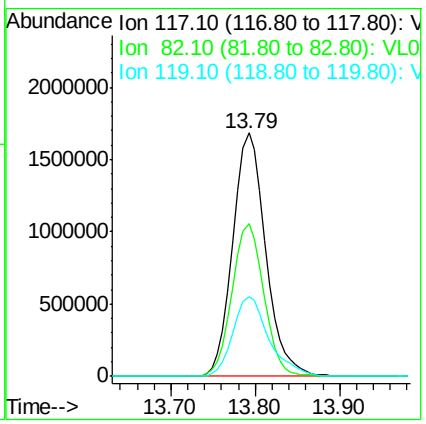




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:117 Resp: 4469471

Ion	Ratio	Lower	Upper
117	100		
82	60.7	51.9	77.9
119	0.0	48.5	72.7#



Instrument :
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ClientSampleId :
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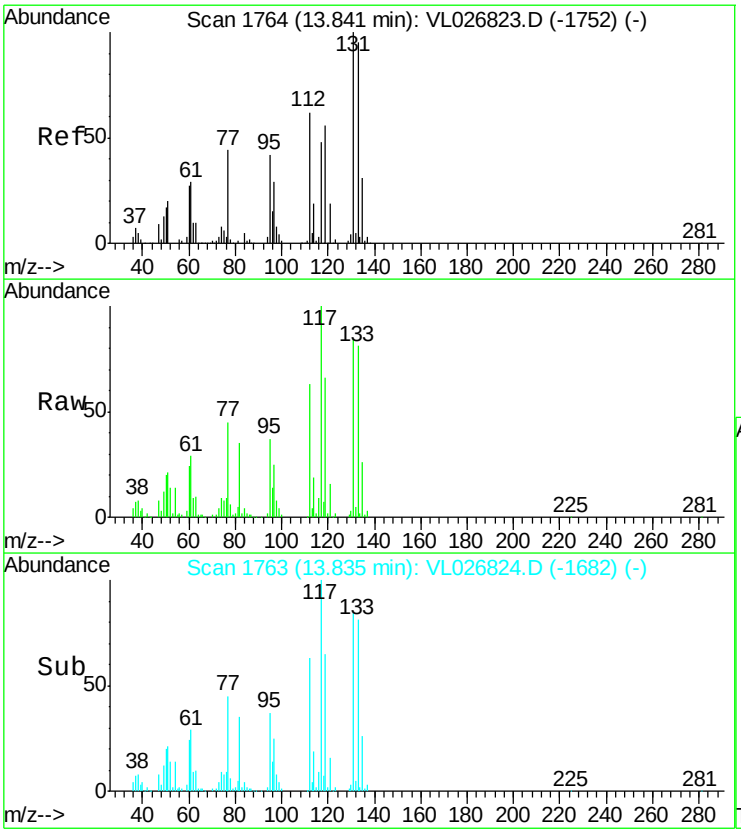
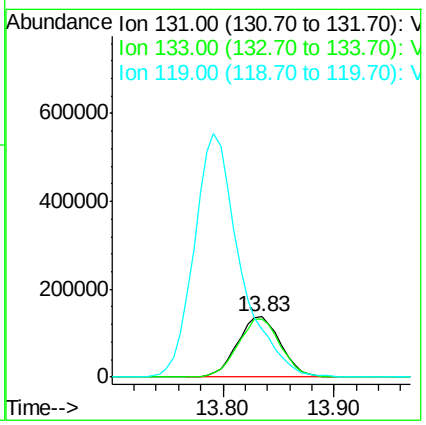
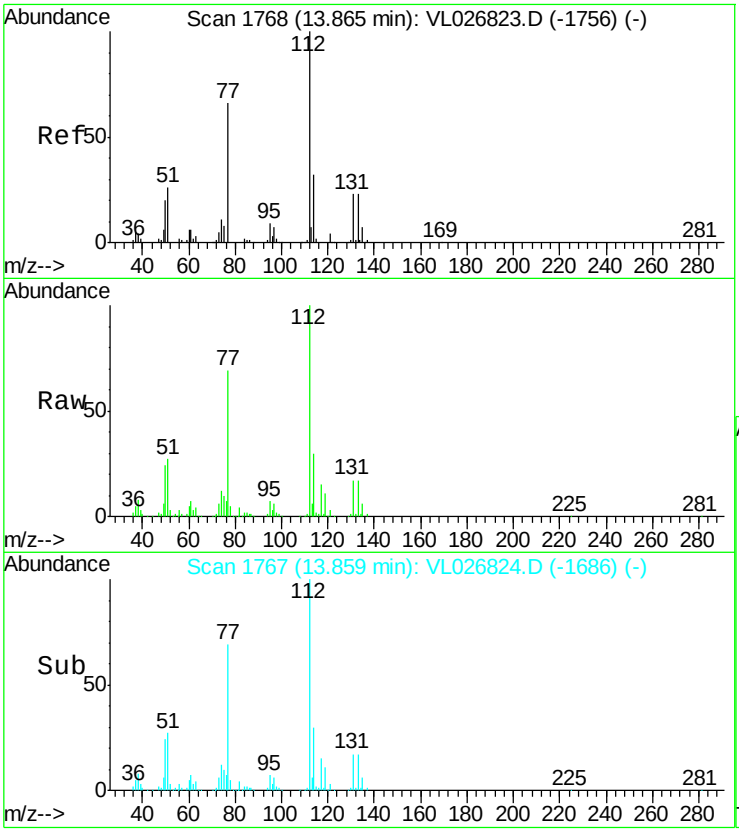


#56
1,1,1,2-Tetrachloroethane
Concen: 1.57 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:131 Resp: 370079

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.4	114.6
119	434.7	99.8	149.8#

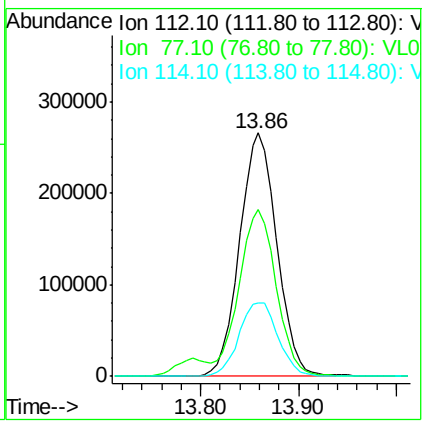




#57
Chlorobenzene
Concen: 1.55 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:112 Resp: 702313

Ion	Ratio	Lower	Upper
112	100		
77	68.1	53.3	79.9
114	30.2	28.9	35.3



Instrument :
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ClientSampleId :
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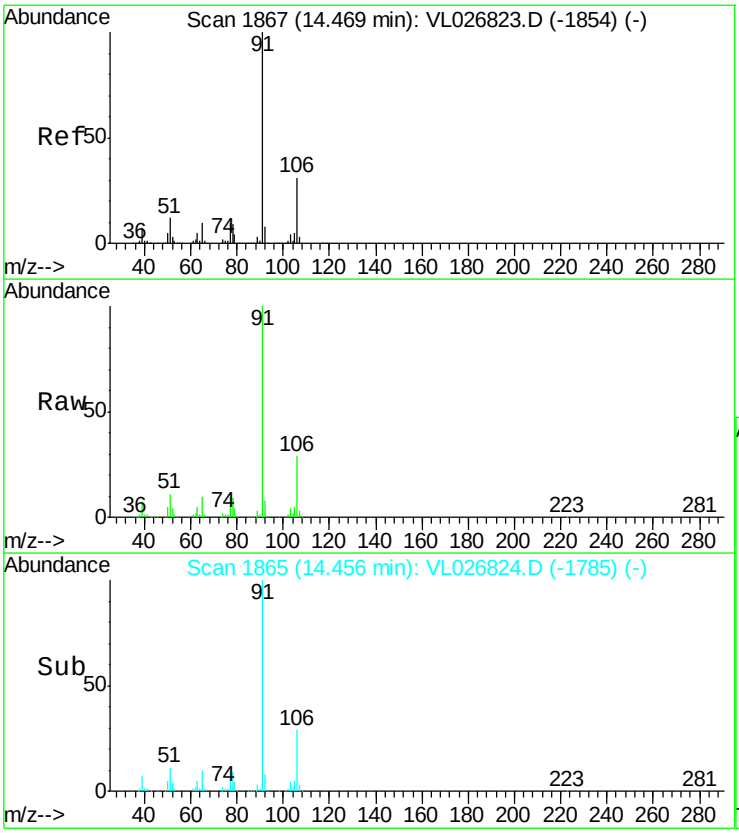
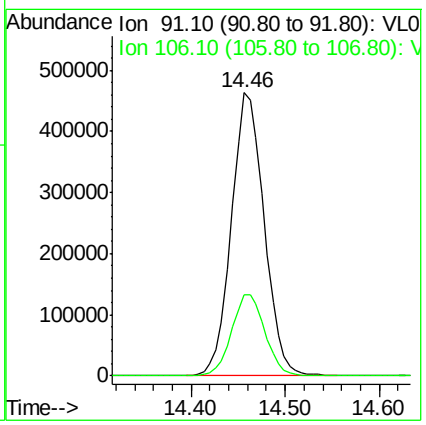
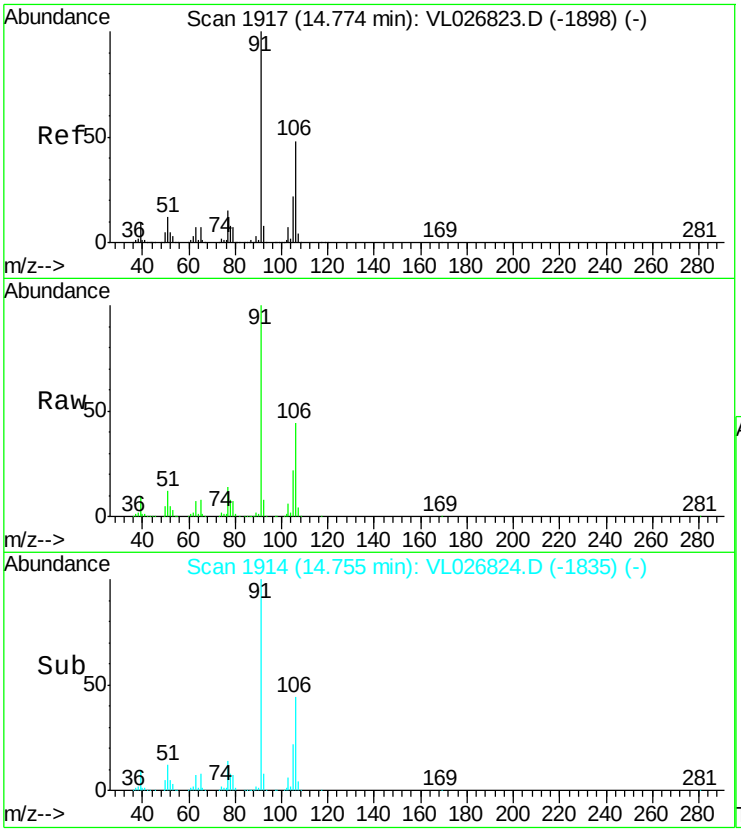


#58
Ethyl Benzene
Concen: 1.53 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 1120180

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.9	37.3





#59
m/p-Xylene
Concen: 2.92 ppbv m
RT: 14.76 min Scan# 1914
Delta R.T. -0.02 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 1871163

Ion	Ratio	Lower	Upper
91	100		
106	46.0	38.2	57.2

Instrument :
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ClientSampleId :
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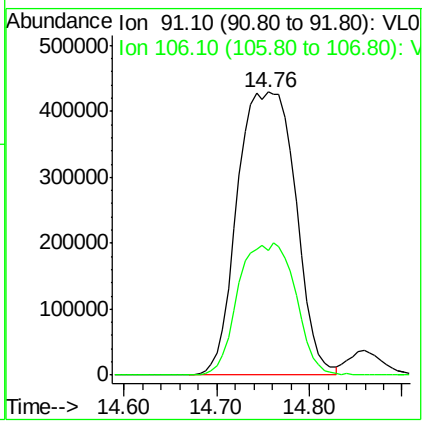
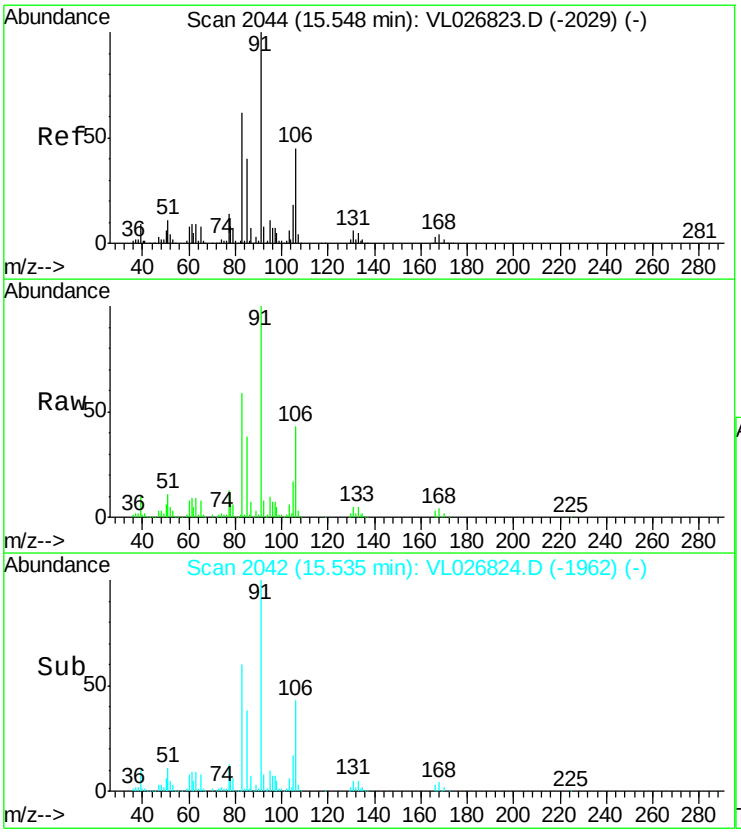
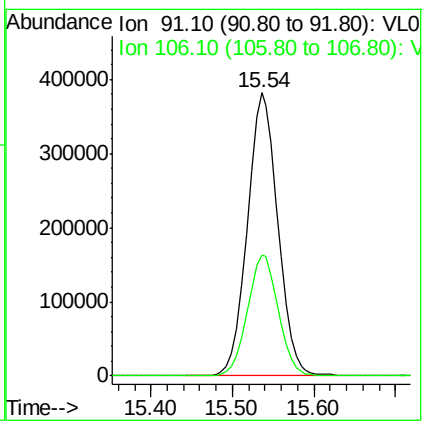


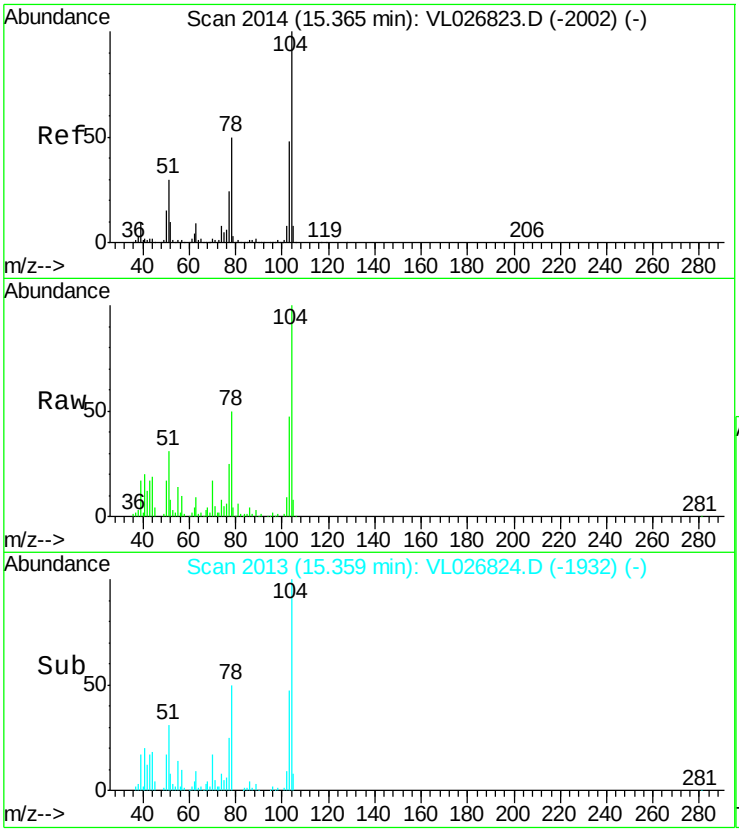


#60
o-Xylene
Concen: 1.40 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 994282

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.3	66.8

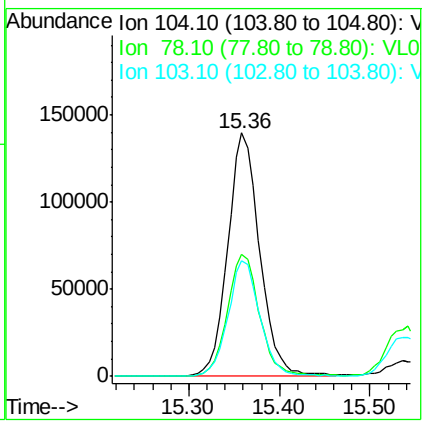




#61
Stvrene
Concen: 1.34 ppbv
RT: 15.36 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:104 Resp: 342450

Ion	Ratio	Lower	Upper
104	100		
78	50.5	39.8	59.6
103	47.3	38.2	57.4



Instrument :
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ClientSampleId :
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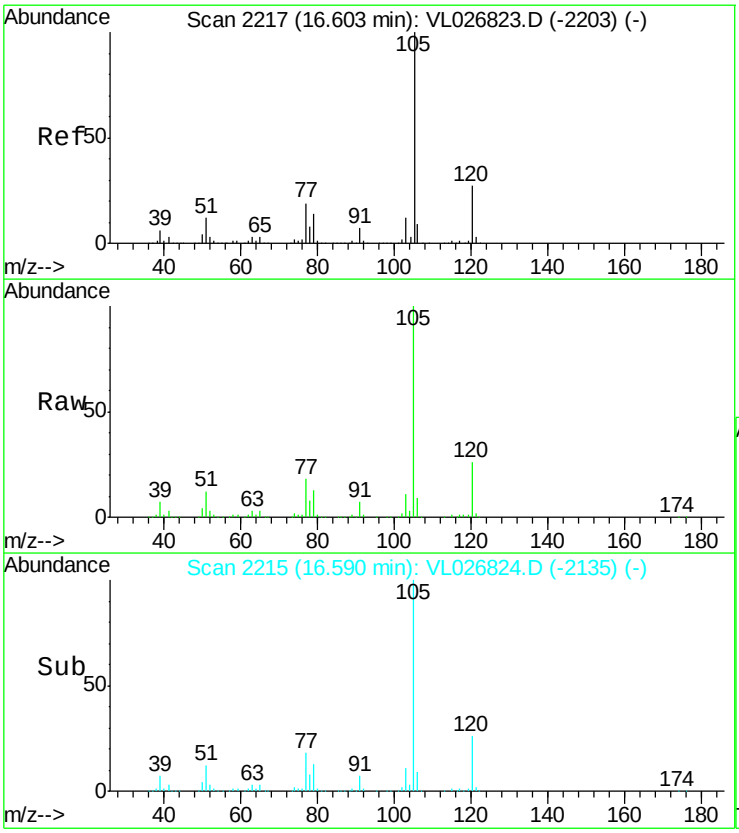
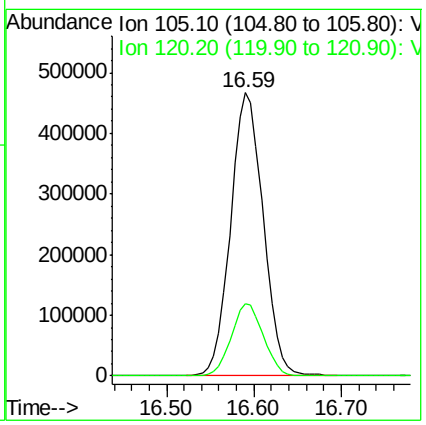
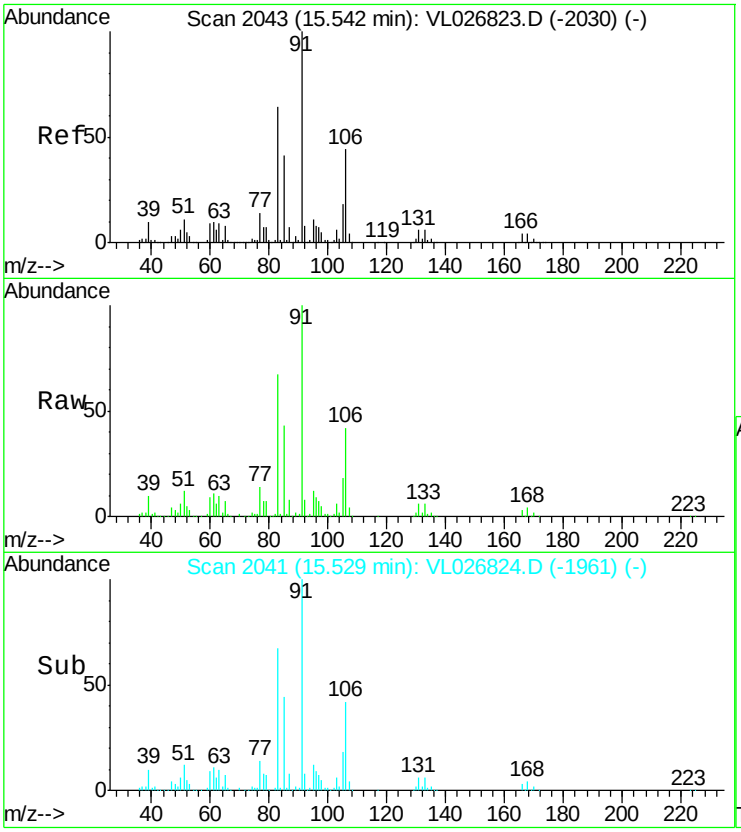


#62
Isopropylbenzene
Concen: 1.31 ppbv
RT: 16.59 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:105 Resp: 1210981

Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.0	31.4

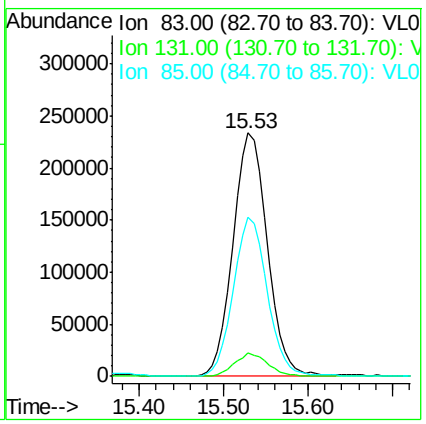




#63
1,1,2,2-Tetrachloroethane
Concen: 1.42 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 83 Resp: 647479

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.1
85	64.9	32.3	96.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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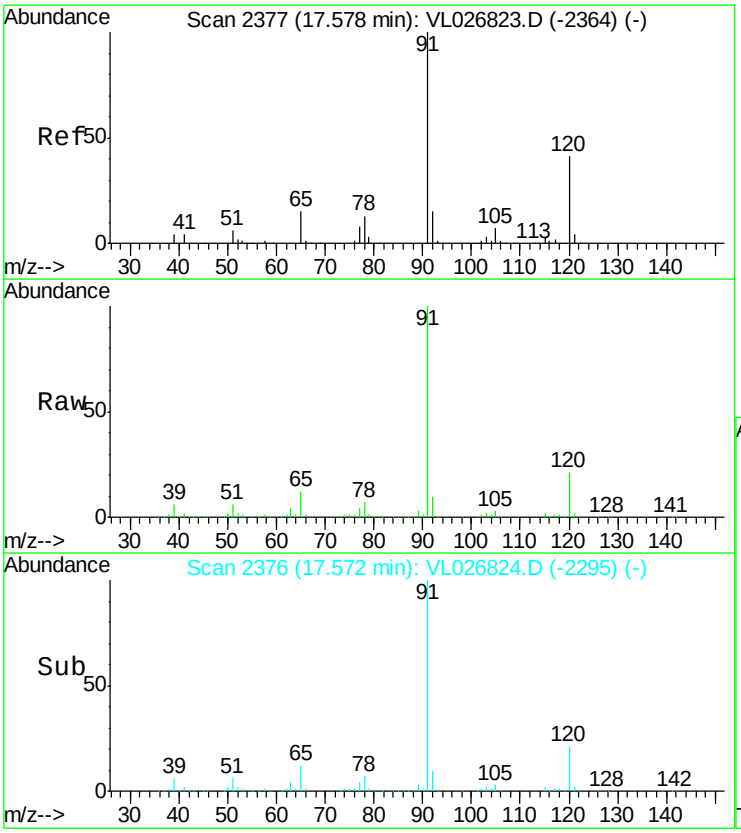
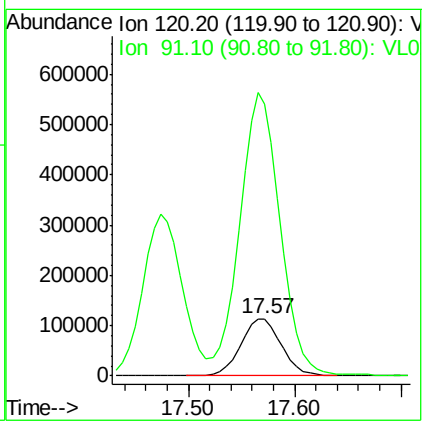
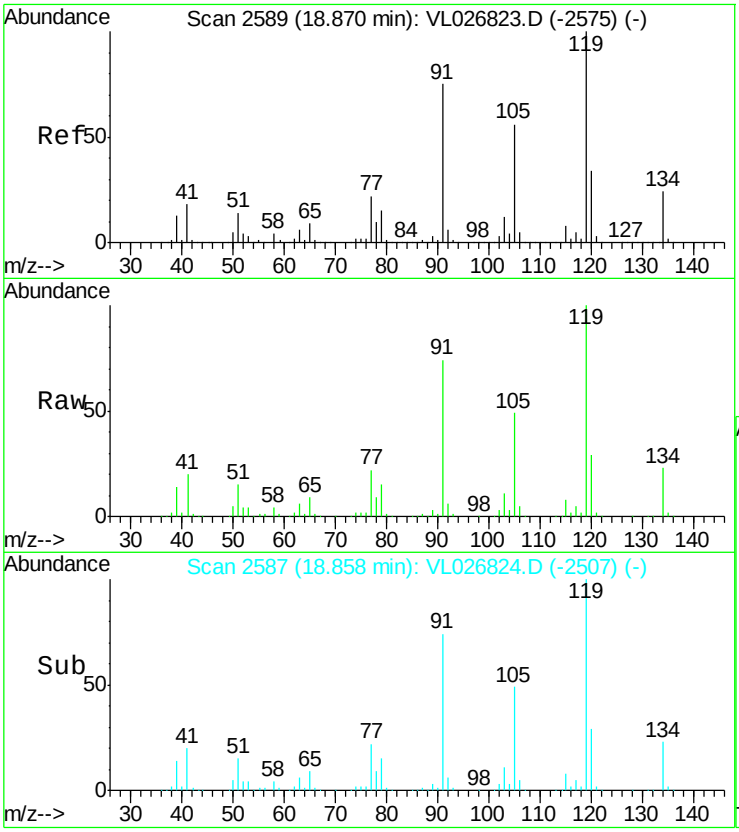


#64
n-propylbenzene
Concen: 1.17 ppbv
RT: 17.57 min Scan# 2376
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:120 Resp: 302101

Ion	Ratio	Lower	Upper
120	100		
91	500.2	363.0	544.6

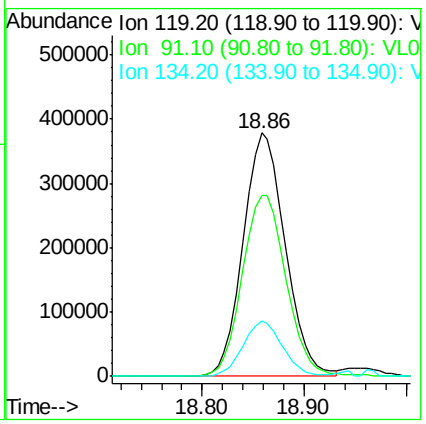




#65
tert-Butylbenzene
Concen: 1.16 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:119 Resp: 1088256

Ion	Ratio	Lower	Upper
119	100		
91	77.7	61.5	92.3
134	22.1	17.9	26.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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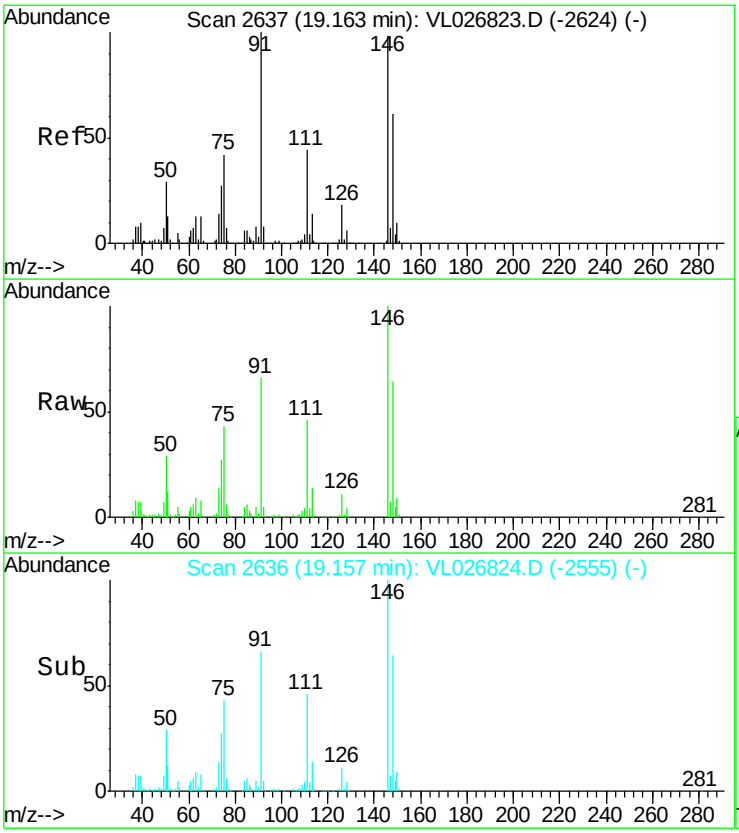
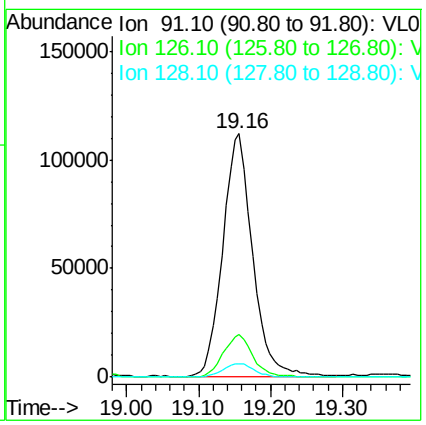
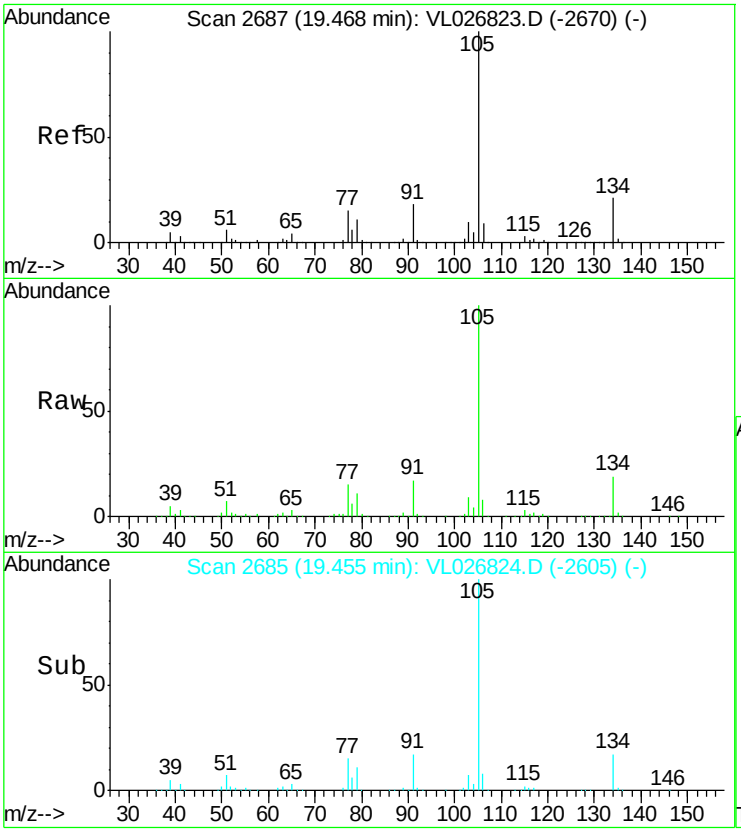


#66
Benzyl Chloride
Concen: 0.91 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 320386

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.6	21.8
128	5.8	4.6	6.8

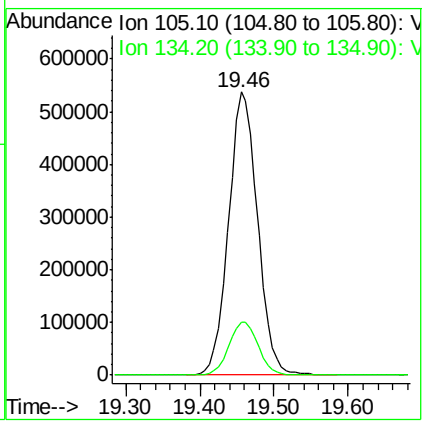




#67
sec-Butylbenzene
Concen: 1.07 ppbv
RT: 19.46 min Scan# 2685
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:105 Resp: 1467983

Ion	Ratio	Lower	Upper
105	100		
134	19.1	16.1	24.1



Instrument :
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ClientSampleId :
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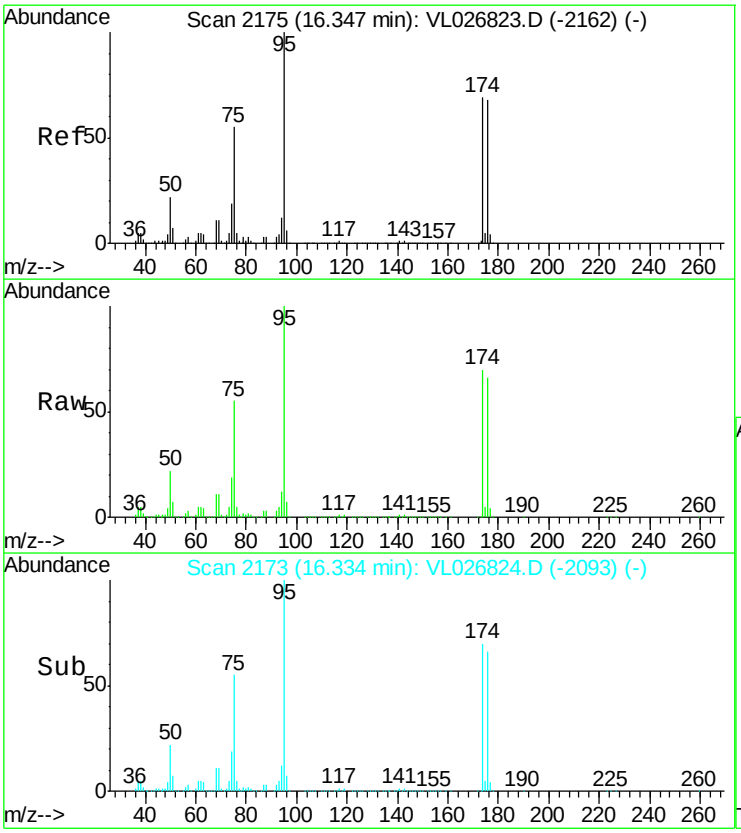
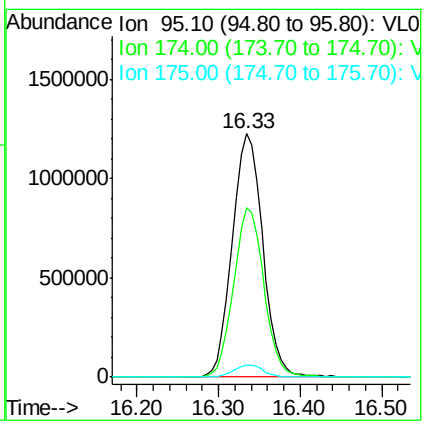
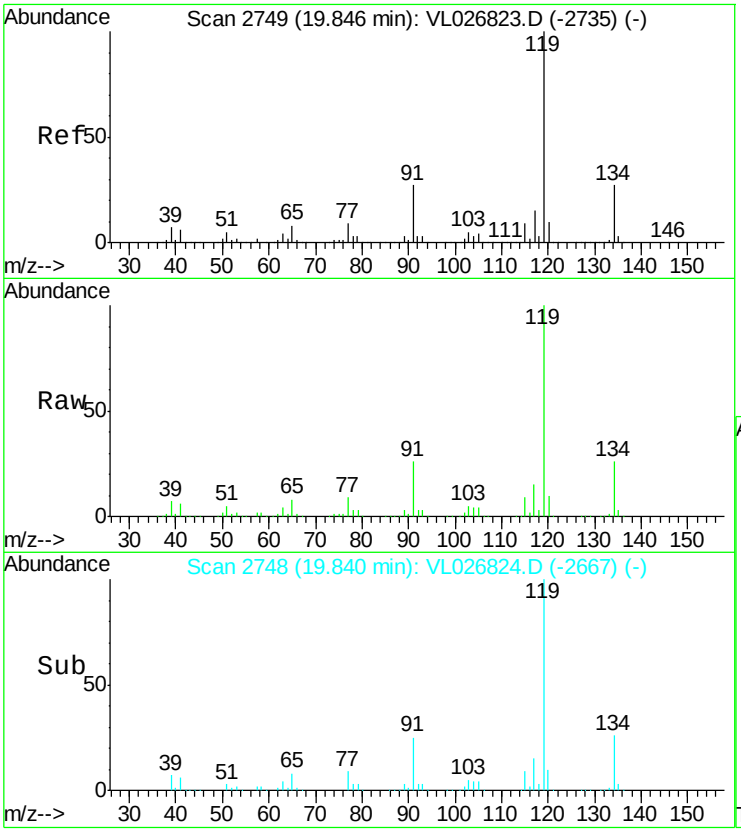


#68
1-Bromo-4-Fluorobenzene
Concen: 8.38 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 95 Resp: 3177756

Ion	Ratio	Lower	Upper
95	100		
174	69.3	55.6	83.4
175	4.9	3.9	5.9

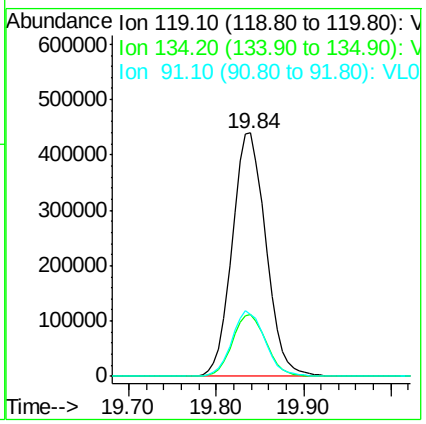




#69
p-Isopropyltoluene
Concen: 1.07 ppbv
RT: 19.84 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:119 Resp: 1178447

Ion	Ratio	Lower	Upper
119	100		
134	25.6	21.3	31.9
91	26.9	21.5	32.3



Instrument :
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ClientSampleId :
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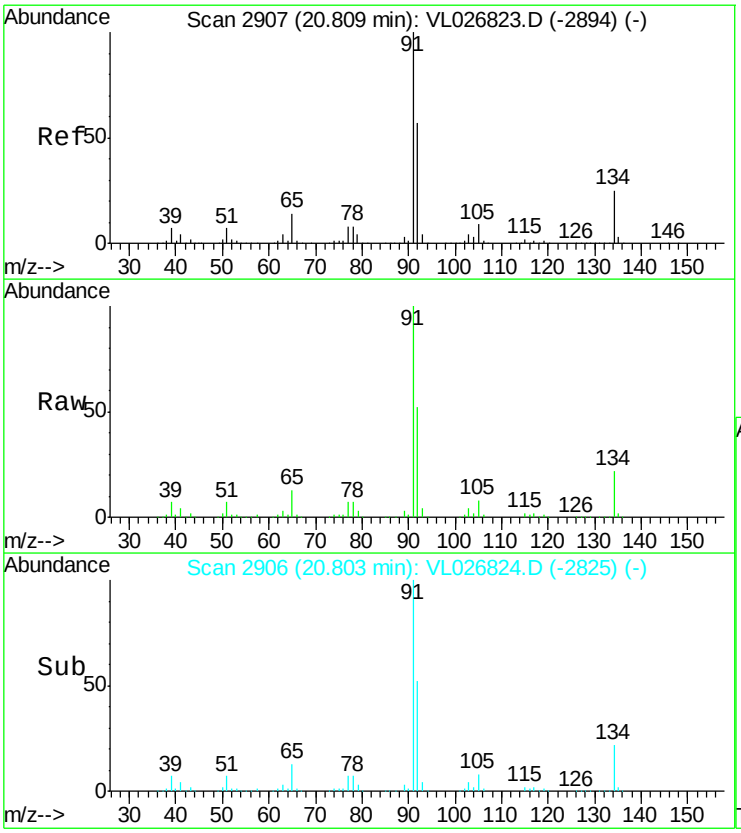
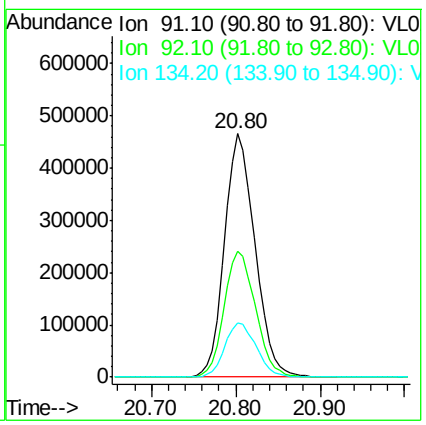
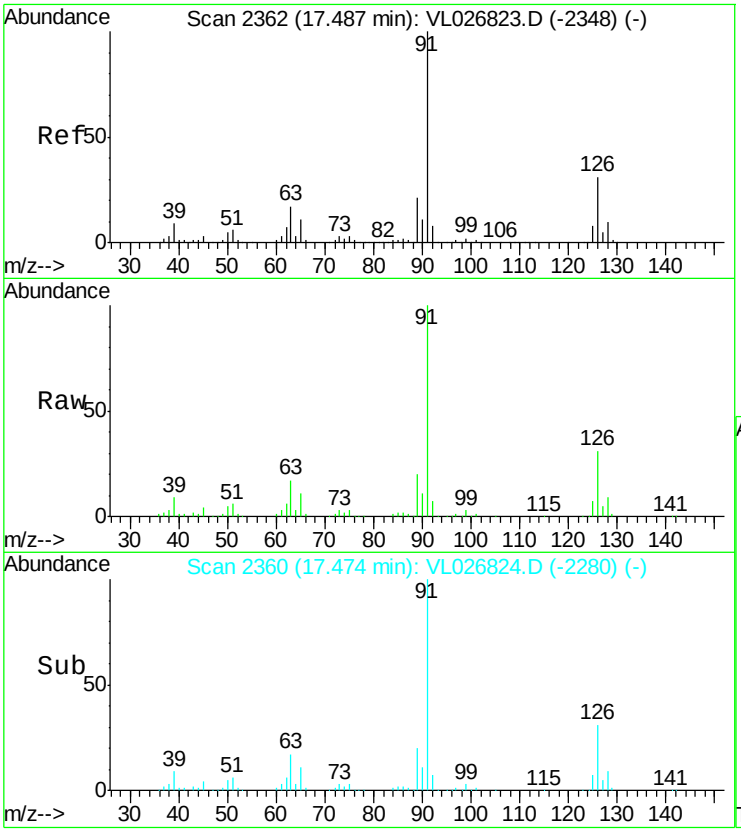


#70
n-Butylbenzene
Concen: 1.00 ppbv
RT: 20.80 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 1149510

Ion	Ratio	Lower	Upper
91	100		
92	53.2	44.2	66.4
134	22.8	19.3	28.9





#71
2-Chlorotoluene
Concen: 1.17 ppbv
RT: 17.47 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion: 91 Resp: 844009

Ion	Ratio	Lower	Upper
91	100		
126	30.6	12.2	48.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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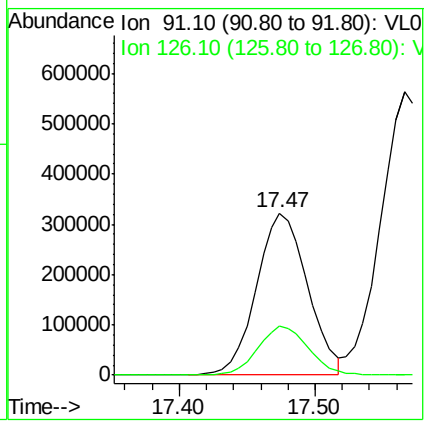
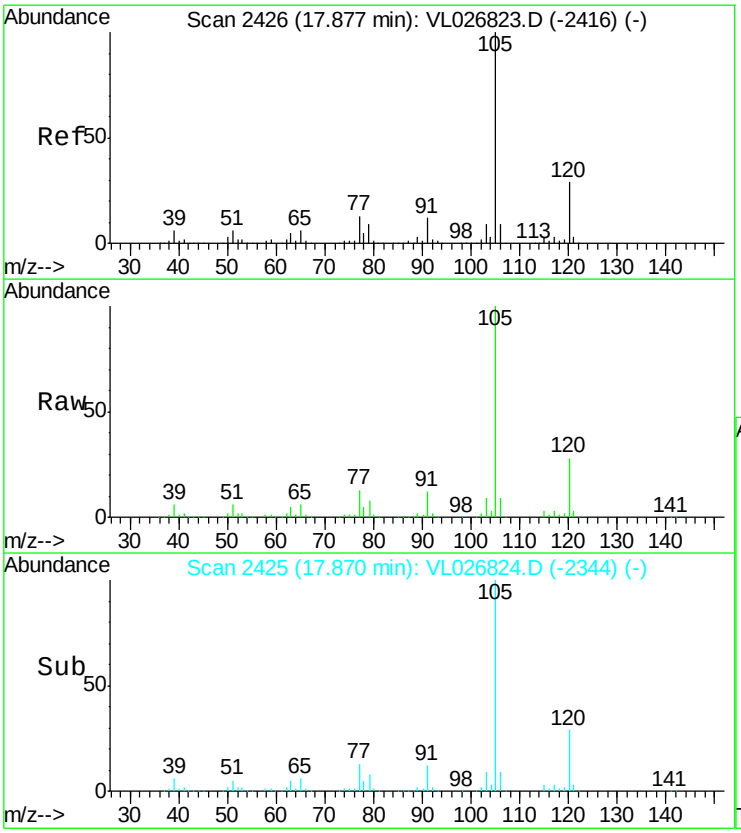
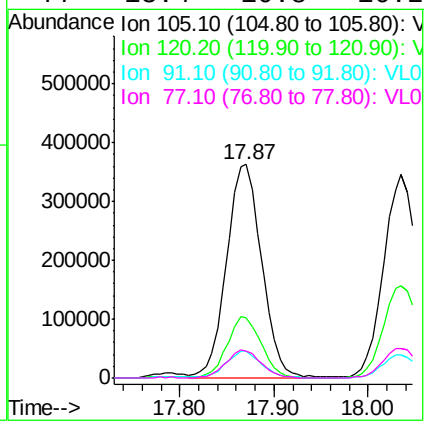


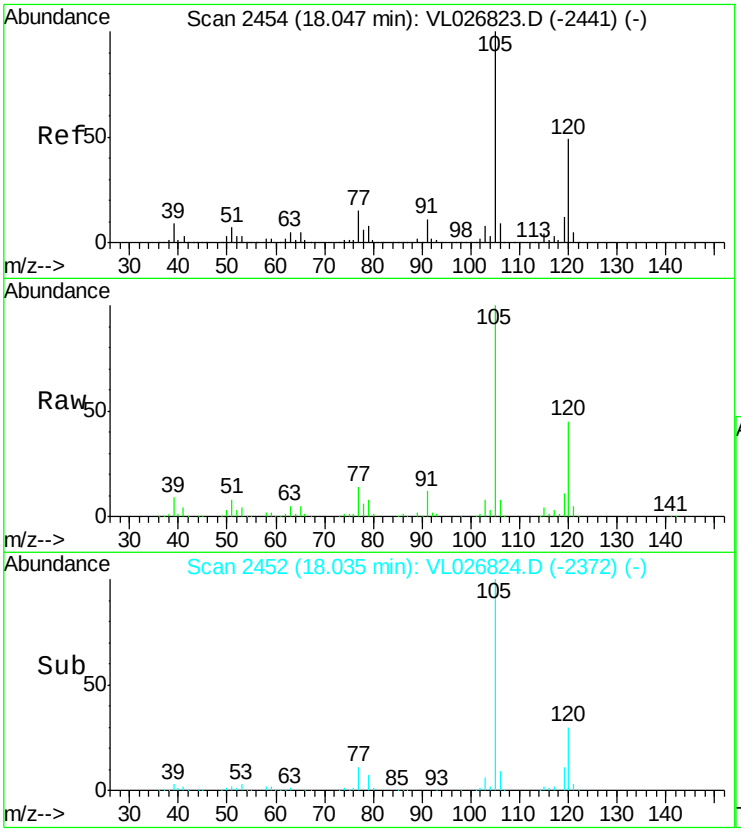


#72
4-Ethyltoluene
Concen: 1.17 ppbv
RT: 17.87 min Scan# 2425
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:105 Resp: 943701

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.8	35.6
91	13.3	10.2	15.4
77	13.4	10.8	16.2

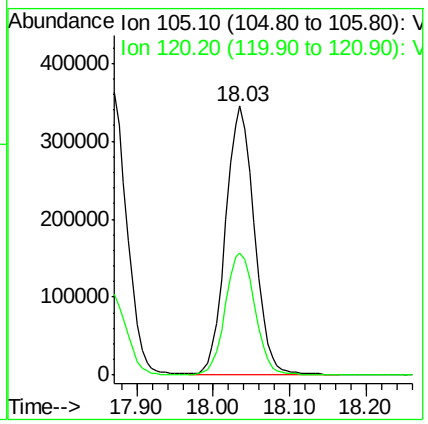




#73
1,3,5-Trimethylbenzene
Concen: 1.13 ppbv
RT: 18.03 min Scan# 2452
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:105 Resp: 894797

Ion	Ratio	Lower	Upper
105	100		
120	45.3	39.4	59.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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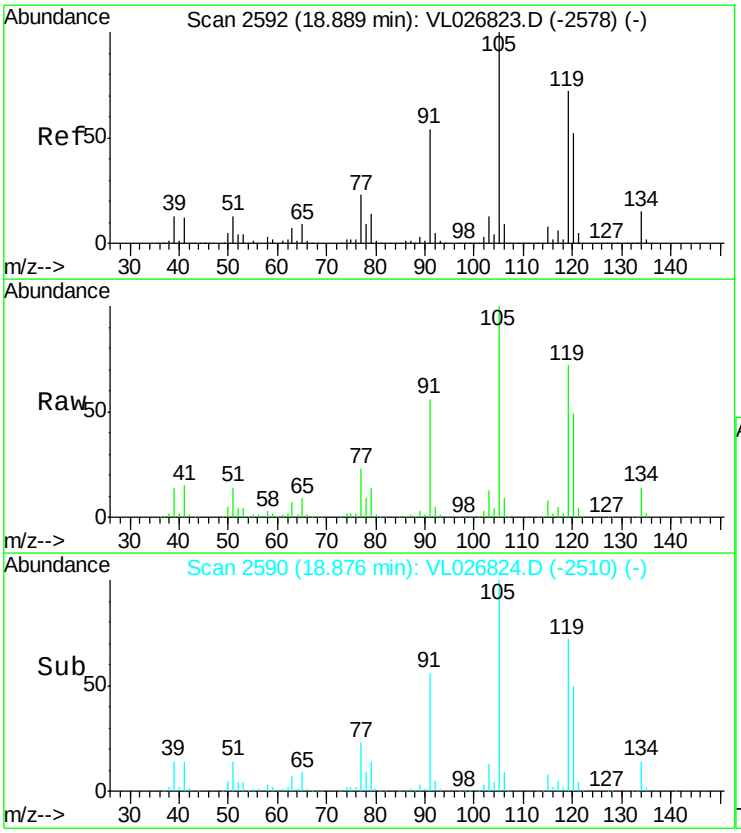
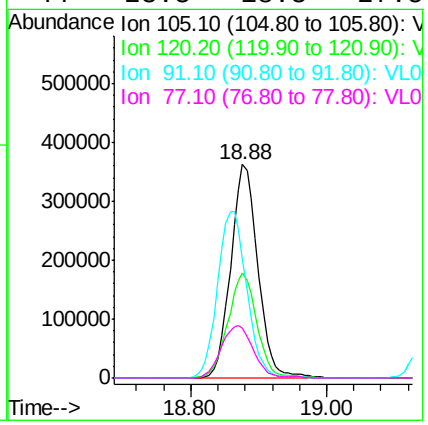
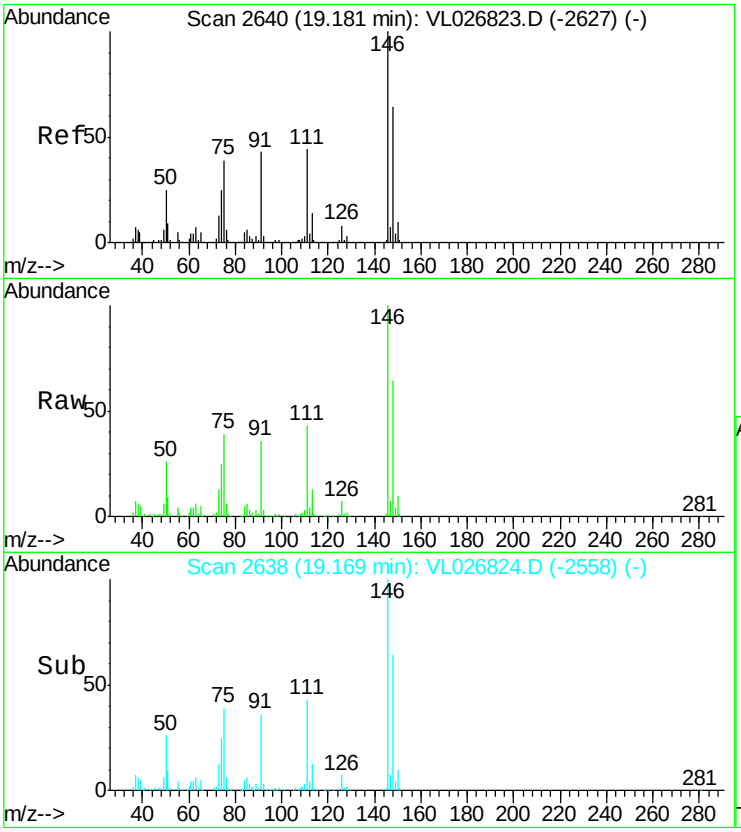


#74
1,2,4-Trimethylbenzene
Concen: 1.14 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:105 Resp: 1002549

Ion	Ratio	Lower	Upper
105	100		
120	49.3	41.3	61.9
91	56.0	43.3	64.9
77	23.3	18.3	27.5

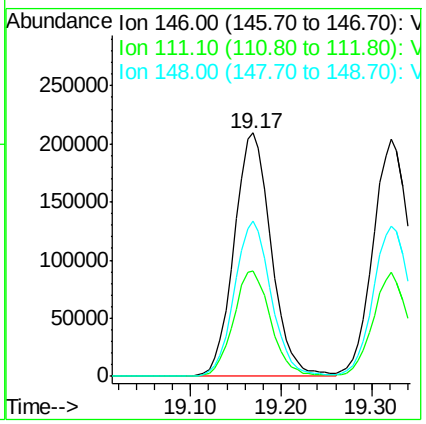




#75
1,3-Dichlorobenzene
Concen: 1.04 ppbv
RT: 19.17 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:146 Resp: 597522

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	63.4	32.2	96.6



Instrument :
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ClientSampleId :
VSTDICC002

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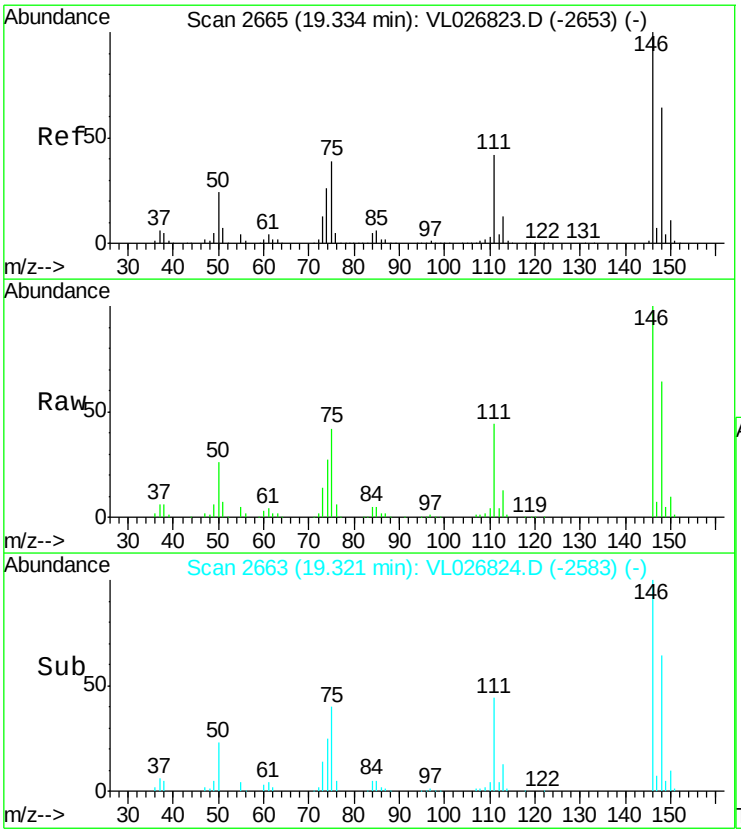
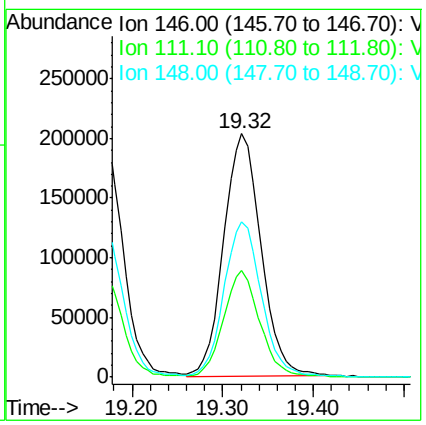
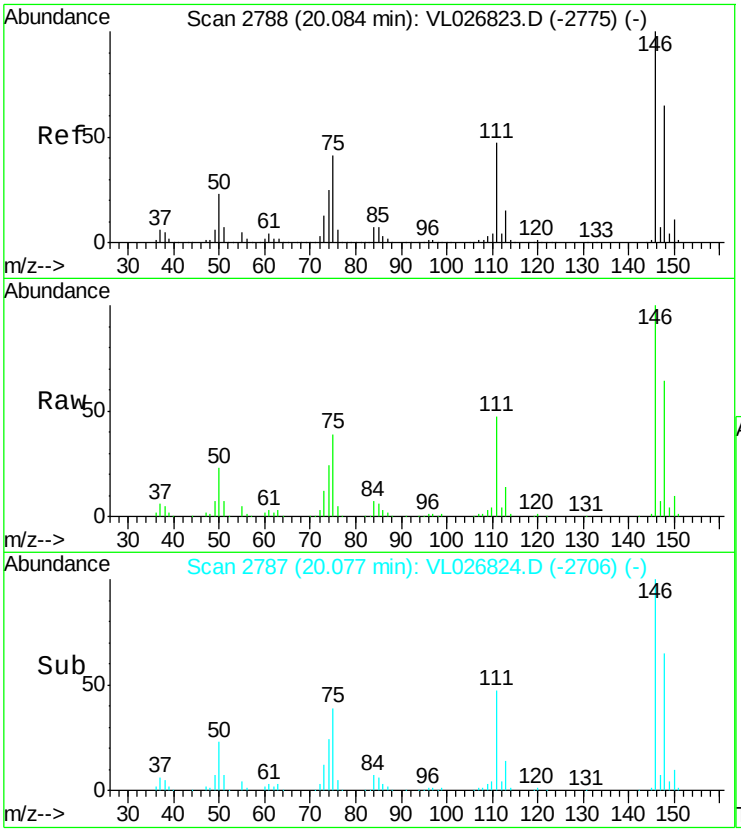


#76
1,4-Dichlorobenzene
Concen: 1.01 ppbv
RT: 19.32 min Scan# 2663
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:146 Resp: 580887

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	65.4	32.2	96.6

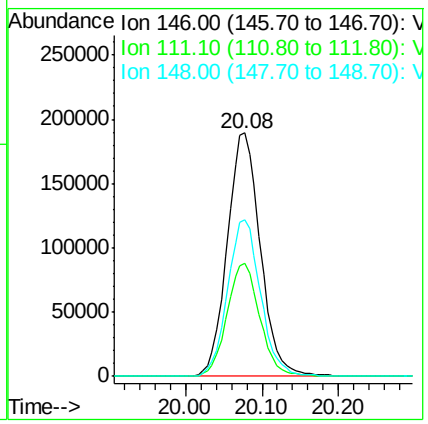




#77
1,2-Dichlorobenzene
Concen: 0.95 ppbv
RT: 20.08 min Scan# 2787
Delta R.T. -0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:146 Resp: 568237

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.1	69.3
148	64.0	32.1	96.5



Instrument :
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ClientSampleId :
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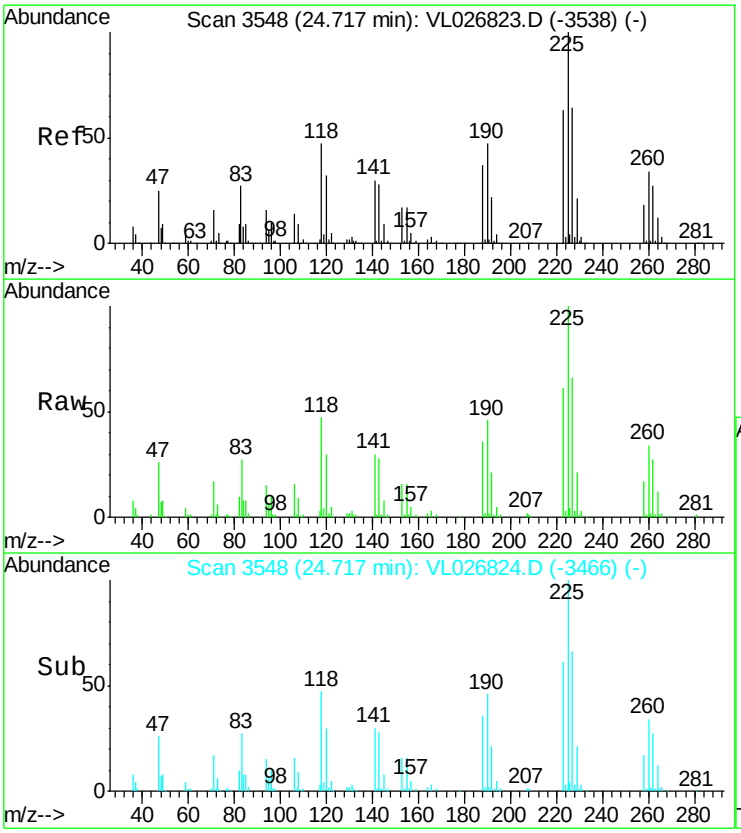
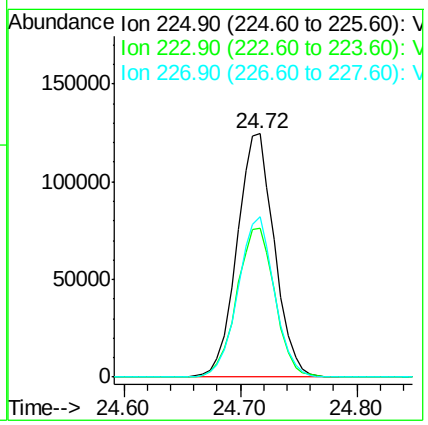
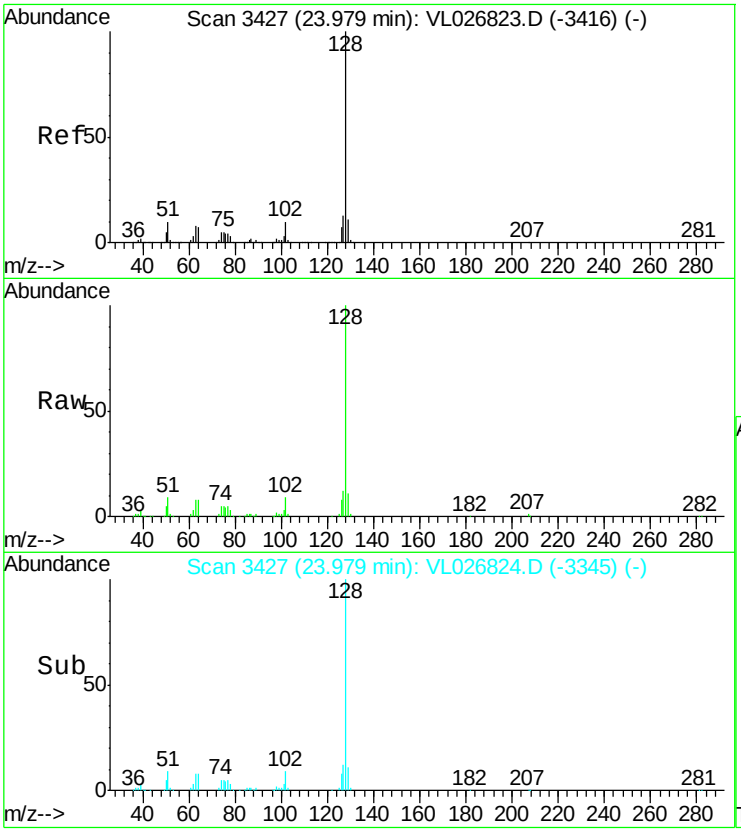


#78
Hexachloro-1,3-Butadiene
Concen: 0.95 ppbv
RT: 24.72 min Scan# 3548
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:225 Resp: 277395

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	64.3	52.1	78.1

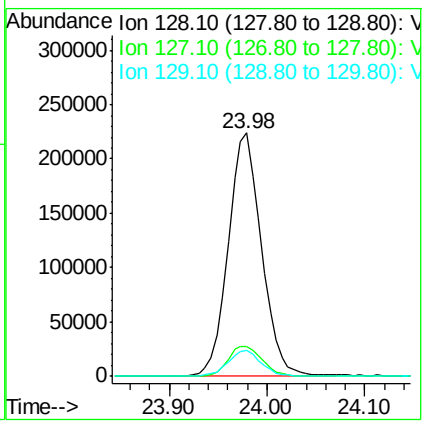




#79
Naphthalene
Concen: 0.70 ppbv
RT: 23.98 min Scan# 3427
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:128 Resp: 530930

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	10.6	8.7	13.1



Instrument :
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ClientSampleId :
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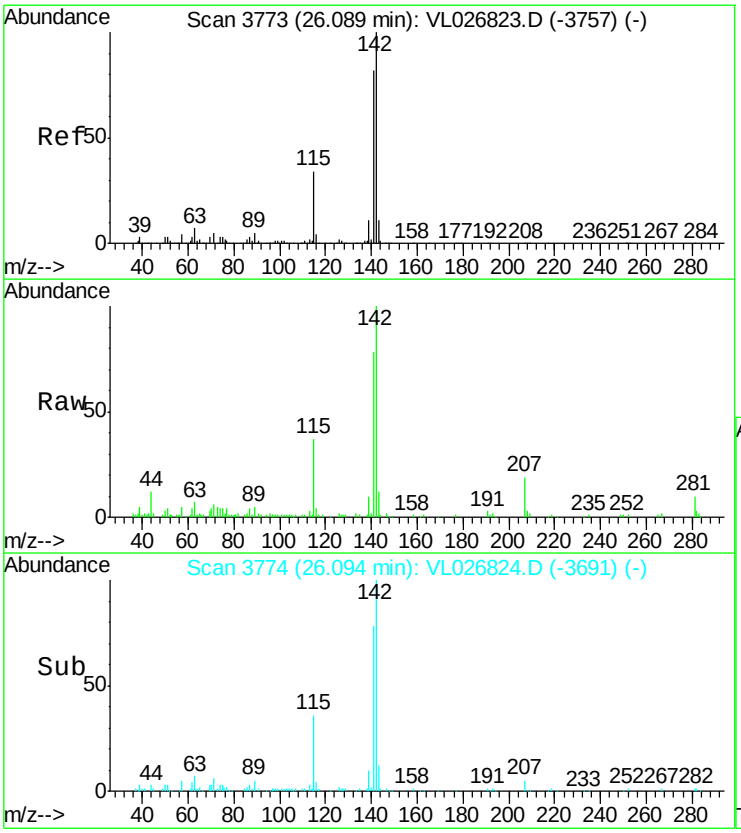
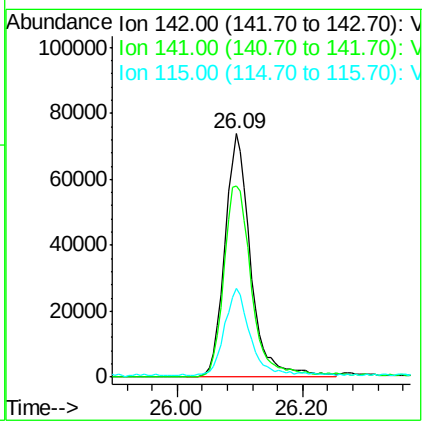
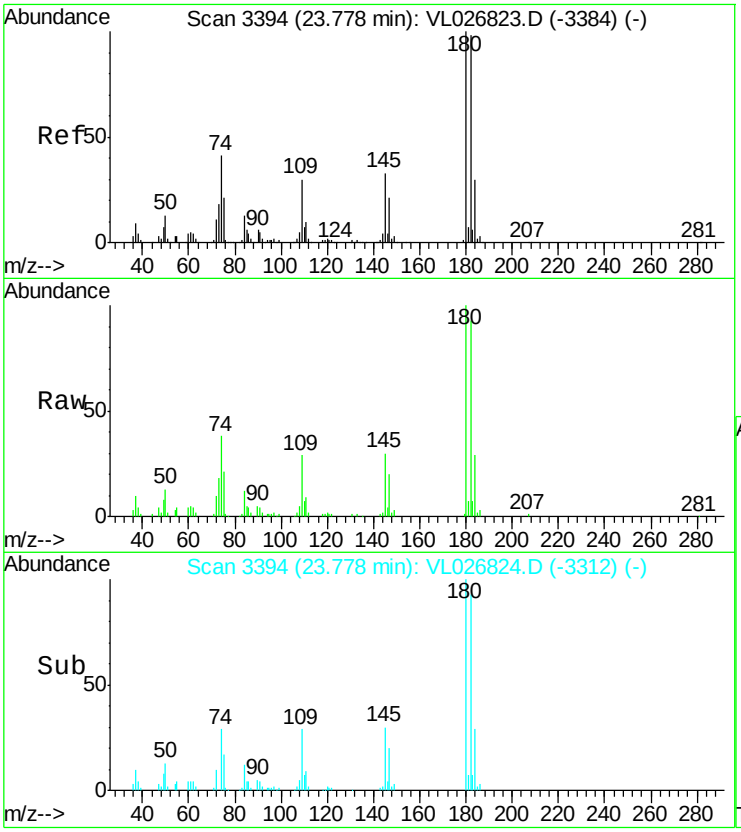


#80
Naphthalene,2-methyl-
Concen: 1.60 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:142 Resp: 210417

Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.2	100.8
115	35.7	27.5	41.3

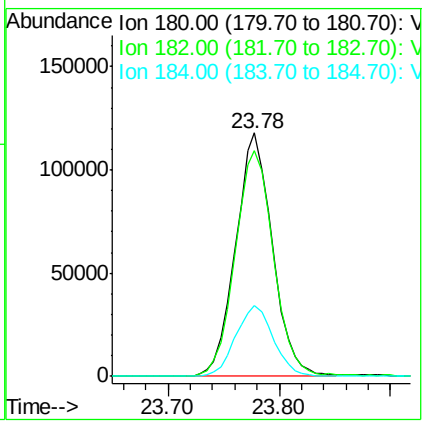




#81
1,2,4-Trichlorobenzene
Concen: 0.81 ppbv
RT: 23.78 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL026824.D
Acq: 9 Feb 2016 17:35

Tgt Ion:180 Resp: 271057

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.3	115.9
184	30.0	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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