Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026825.D
Acq On : 9 Feb 2016 18:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
2/11/2016 1:23:04 PM

Quant Time: Feb 10 02:48:37 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	1658310	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.37	114	4460108	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.79	117	4177759	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	3035247	8.56	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 85.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	388040	0.74	ppbv		95
3) Chlorodifluoromethane	3.60	51	323175	1.01	ppbv		99
4) Chloromethane	3.78	50	110741	1.12	ppbv		99
5) Vinyl Chloride	3.92	62	118178	1.01	ppbv		100
6) Bromomethane	4.18	94	100658	1.00	ppbv		97
7) Chloroethane	4.27	64	54211	1.01	ppbv		94
8) Dichlorotetrafluoroethane	3.84	85	330487	0.86	ppbv		98
9) Propene	3.62	41	72834	1.12	ppbv		100
10) Heptane	9.40	43	230938	0.92	ppbv		99
11) Trichlorofluoromethane	4.73	101	441616	0.73	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	5.34	101	308152	0.87	ppbv		99
13) Ethanol	4.39	45	15046	1.00	ppbv		98
14) Bromoethene	4.49	108	111368	0.97	ppbv		98
15) Acetone	4.65	43	261972	0.67	ppbv	#	76
16) 1,3-Butadiene	4.00	39	92423	0.87	ppbv		98
17) tert-Butyl alcohol	5.19	59	153995	0.74	ppbv		95
18) 1,1-Dichloroethene	5.12	96	127009	0.93	ppbv		99
19) Isopropyl Alcohol	4.81	45	88150	0.86	ppbv	#	93
20) Methylene Chloride	5.18	84	122545	0.97	ppbv		99
21) Allyl Chloride	5.26	41	142365	0.86	ppbv	#	86
22) trans-1,2-Dichloroethene	5.80	96	110070	0.84	ppbv		96
23) Vinyl Acetate	6.02	43	307503	0.74	ppbv		97
24) 1,1-Dichloroethane	5.94	63	254547	0.87	ppbv		99
25) Ethyl Acetate	6.72	43	360521	0.94	ppbv		99
26) Hexane	6.70	57	190991	1.00	ppbv		95
27) Carbon Disulfide	5.43	76	334312	0.88	ppbv		98
28) Methyl tert-Butyl Ether	6.01	73	288413	0.68	ppbv		100
29) Chloroform	6.78	83	300224	0.70	ppbv		98
30) Cyclohexane	8.32	84	147335	0.75	ppbv	#	67
31) cis-1,2-Dichloroethene	6.56	61	152971	0.74	ppbv		96
32) 1,1,1-Trichloroethane	7.63	97	290642	0.60	ppbv		99
34) 2-Butanone	6.25	43	218925	1.06	ppbv		98
35) Carbon Tetrachloride	8.20	117	305841	0.69	ppbv		100
36) Benzene	8.06	78	338555	0.91	ppbv		99
37) 1,2-Dichloroethane	7.41	62	220265	0.68	ppbv		100
38) Trichloroethene	9.10	130	151398	0.86	ppbv		98
39) 1,2-Dichloropropane	8.86	63	132375	1.05	ppbv		98
40) 1,4-Dioxane	9.20	88	24261m	0.79	ppbv		
41) Tetrahydrofuran	7.19	42	98885	1.05	ppbv		97
42) Bromodichloromethane	9.06	83	276649	0.66	ppbv		99
43) Methyl Methacrylate	9.31	69	111686	0.78	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
Data File : VL026825.D
Acq On : 9 Feb 2016 18:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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2/11/2016 1:23:04 PM

Quant Time: Feb 10 02:48:37 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	594030	1.00	ppbv		98
45) t-1,3-Dichloropropene	10.70	75	134090	0.54	ppbv		97
46) cis-1,3-Dichloropropene	10.06	75	170201	0.64	ppbv		98
47) 1,1,2-Trichloroethane	10.92	97	141062	0.71	ppbv		97
48) Dibromochloromethane	11.84	129	213504	0.57	ppbv		100
49) Bromoform	14.86	173	149387	0.46	ppbv		99
50) 4-Methyl-2-Pentanone	10.15	43	239594	0.83	ppbv		96
51) 2-Hexanone	11.68	43	185201	0.67	ppbv	#	97
52) Tetrachloroethene	12.84	164	128623	0.61	ppbv		95
53) Toluene	11.28	91	360121	0.66	ppbv		99
54) 1,2-Dibromoethane	12.19	107	205296	0.61	ppbv		97
56) 1,1,1,2-Tetrachloroethane	13.83	131	171421	0.78	ppbv	#	1
57) Chlorobenzene	13.85	112	331249	0.78	ppbv		99
58) Ethyl Benzene	14.46	91	468957	0.69	ppbv		97
59) m/p-Xylene	14.76	91	831759	1.39	ppbv		98
60) o-Xylene	15.54	91	443938	0.67	ppbv		99
61) Styrene	15.36	104	130902	0.55	ppbv		100
62) Isopropylbenzene	16.59	105	536107	0.62	ppbv		99
63) 1,1,2,2-Tetrachloroethane	15.52	83	300886	0.70	ppbv		100
64) n-propylbenzene	17.57	120	133737	0.55	ppbv		85
65) tert-Butylbenzene	18.86	119	459826	0.53	ppbv		97
66) Benzyl Chloride	19.16	91	125507	0.38	ppbv		97
67) sec-Butylbenzene	19.46	105	635222	0.50	ppbv		97
69) p-Isopropyltoluene	19.83	119	487332	0.47	ppbv		99
70) n-Butylbenzene	20.80	91	478075	0.45	ppbv		95
71) 2-Chlorotoluene	17.47	91	347074	0.52	ppbv		99
72) 4-Ethyltoluene	17.86	105	395021	0.52	ppbv		98
73) 1,3,5-Trimethylbenzene	18.03	105	391350	0.53	ppbv		95
74) 1,2,4-Trimethylbenzene	18.88	105	440629	0.54	ppbv		96
75) 1,3-Dichlorobenzene	19.16	146	263758	0.49	ppbv		100
76) 1,4-Dichlorobenzene	19.32	146	258377	0.48	ppbv		99
77) 1,2-Dichlorobenzene	20.07	146	248754	0.44	ppbv		100
78) Hexachloro-1,3-Butadiene	24.71	225	131736	0.48	ppbv		97
79) Naphthalene	23.98	128	213944	0.30	ppbv		96
80) Naphthalene,2-methyl-	26.10	142	89086	0.73	ppbv		94
81) 1,2,4-Trichlorobenzene	23.78	180	112315	0.36	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 : VL026825.D
Acq On : 9 Feb 2016 18:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 02:48:37 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 :
VSTDICC001

Manual Integrations APPROVED
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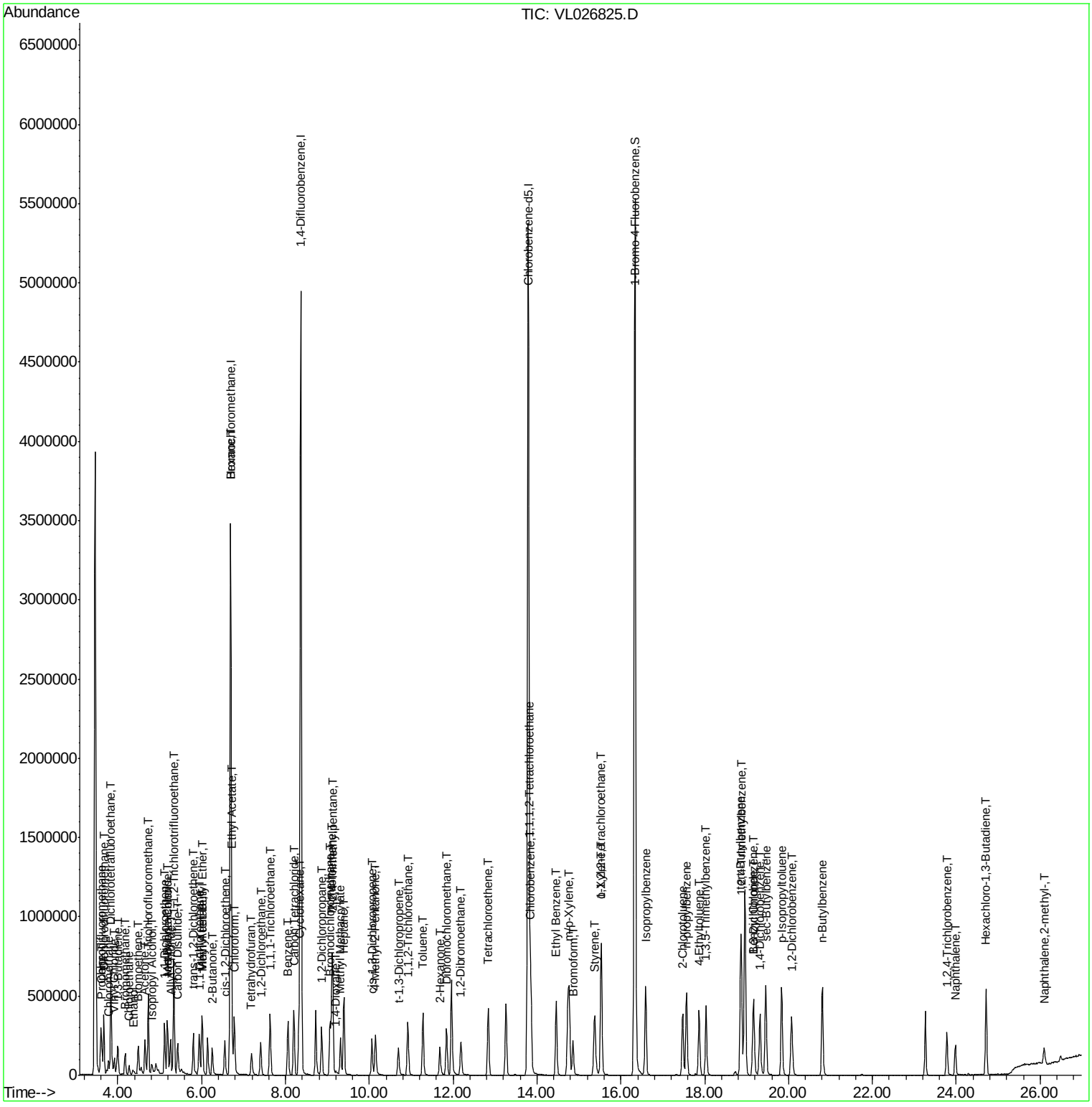
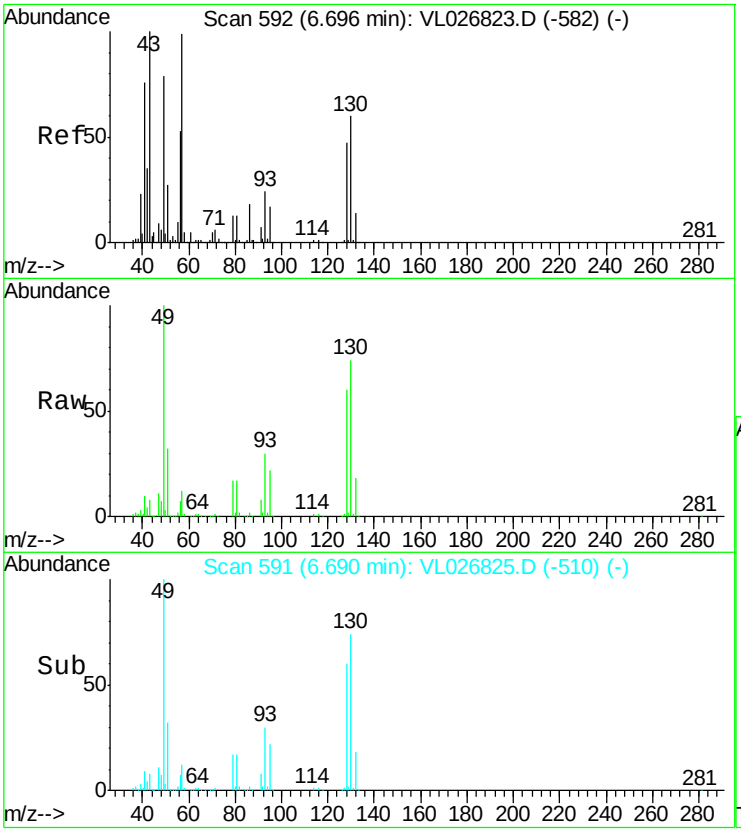
2/11/2016 1:23:04 PM

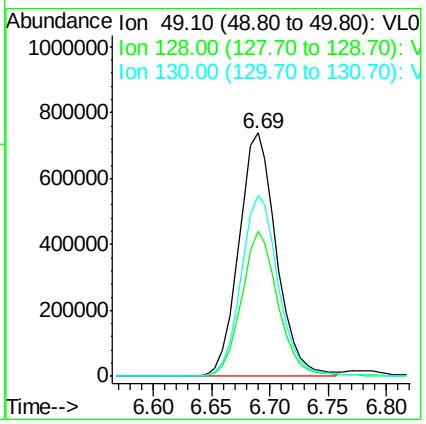




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.69 min Scan# 591
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 49 Resp: 1658310

Ion	Ratio	Lower	Upper
49	100		
128	58.5	29.7	89.1
130	74.9	38.3	114.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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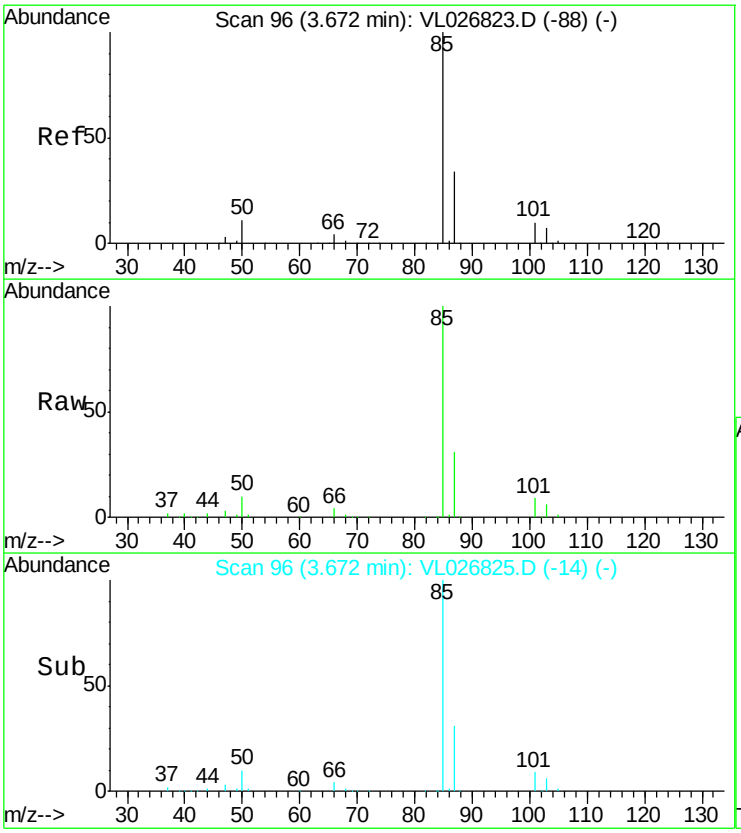
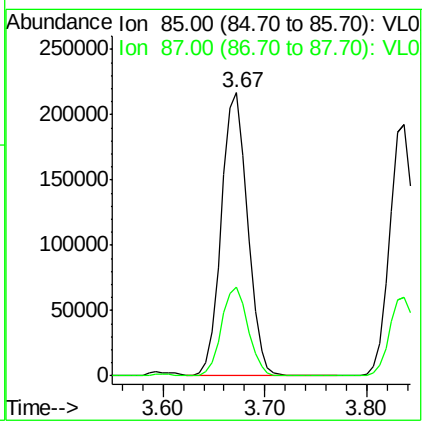
2/11/2016 1:23:04 PM

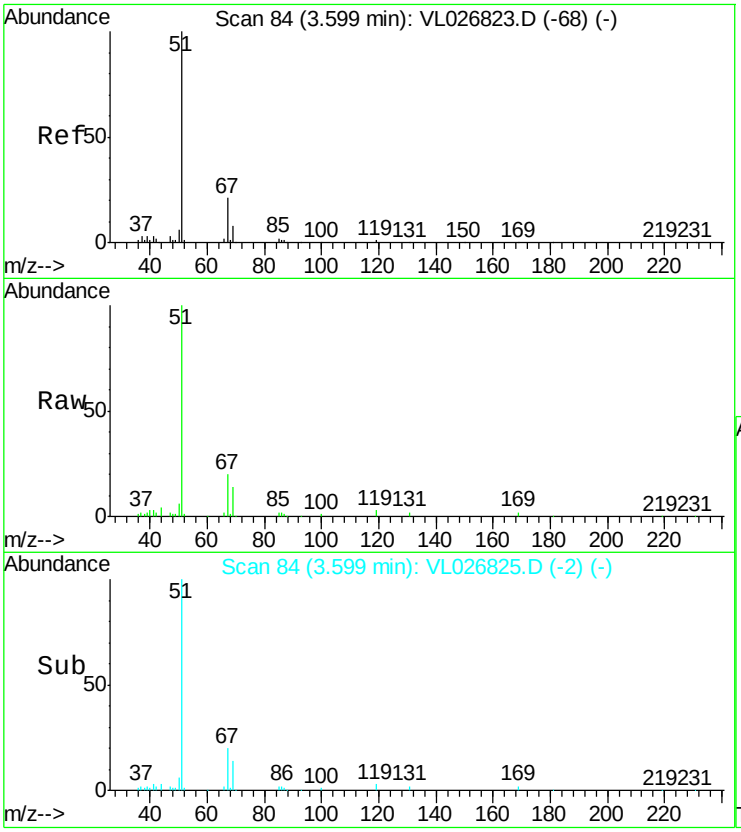


#2
Dichlorodifluoromethane
Concen: 0.74 ppbv
RT: 3.67 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 85 Resp: 388040

Ion	Ratio	Lower	Upper
85	100		
87	31.4	27.3	40.9

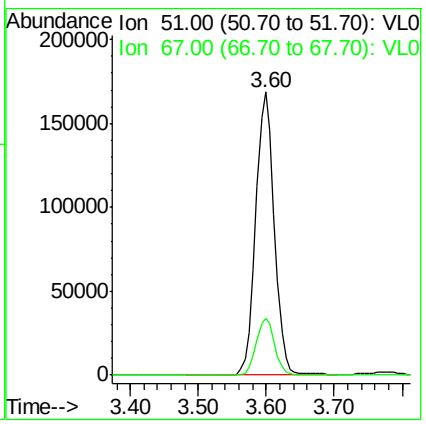




#3
Chlorodifluoromethane
Concen: 1.01 ppbv
RT: 3.60 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 51 Resp: 323175

Ion	Ratio	Lower	Upper
51	100		
67	19.8	16.4	24.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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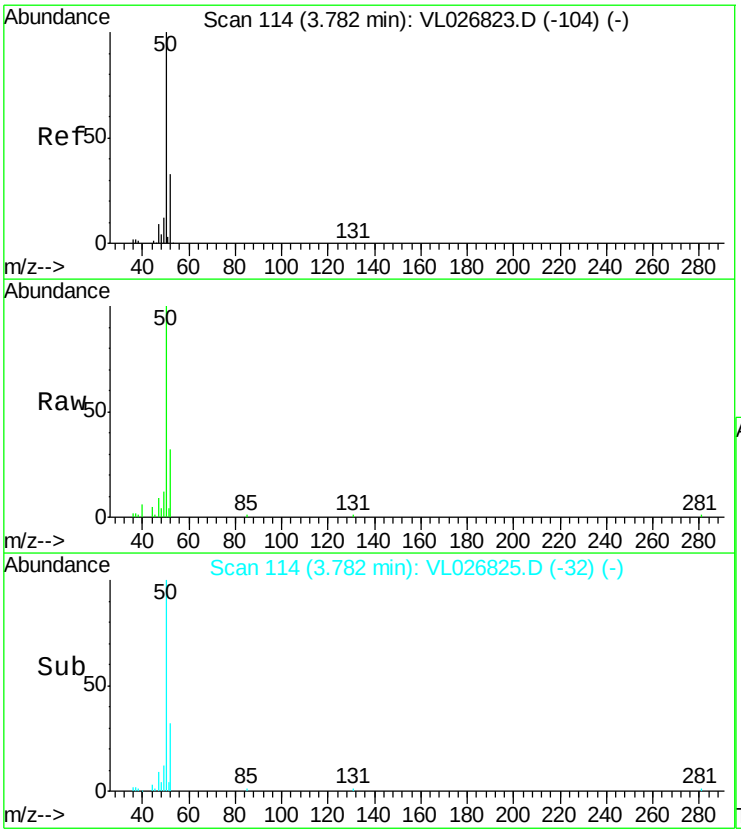
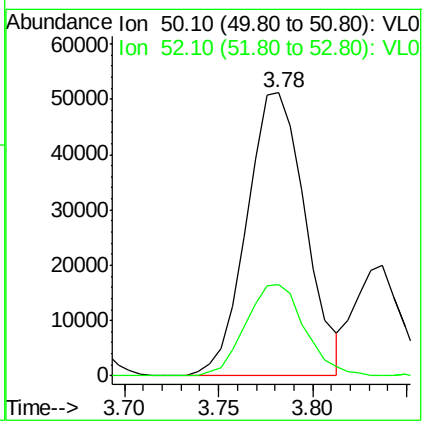
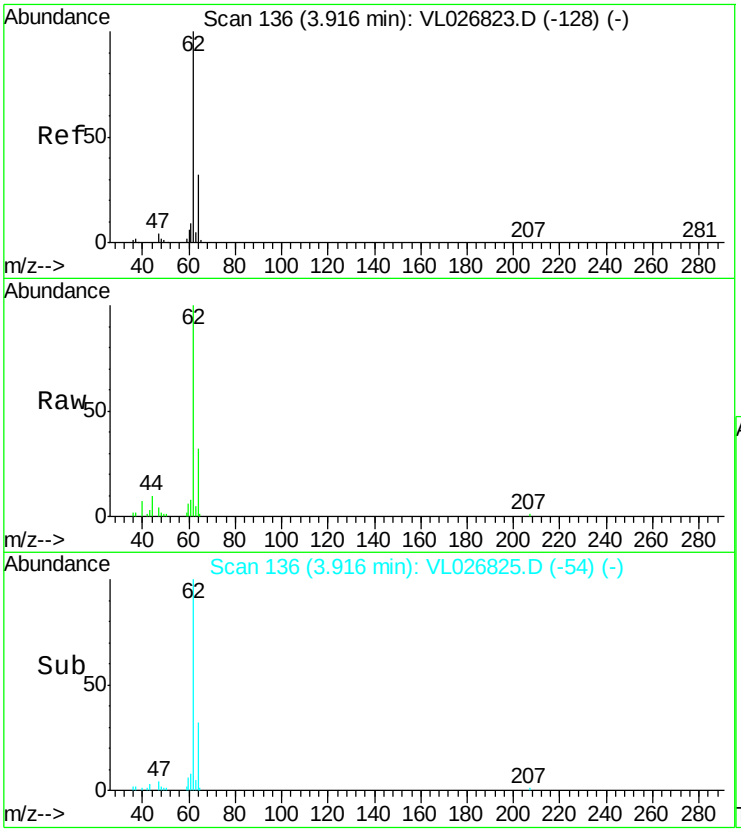


#4
Chloromethane
Concen: 1.12 ppbv
RT: 3.78 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 50 Resp: 110741

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5

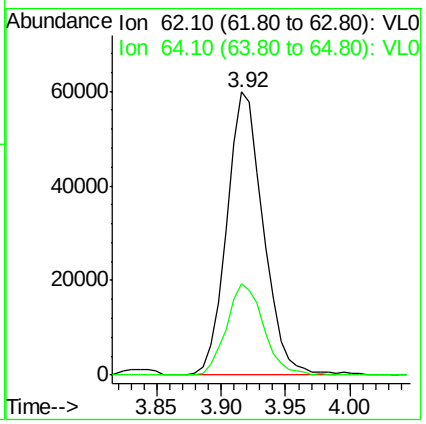




#5
Vinyl Chloride
Concen: 1.01 ppbv
RT: 3.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 62 Resp: 118178

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.8	38.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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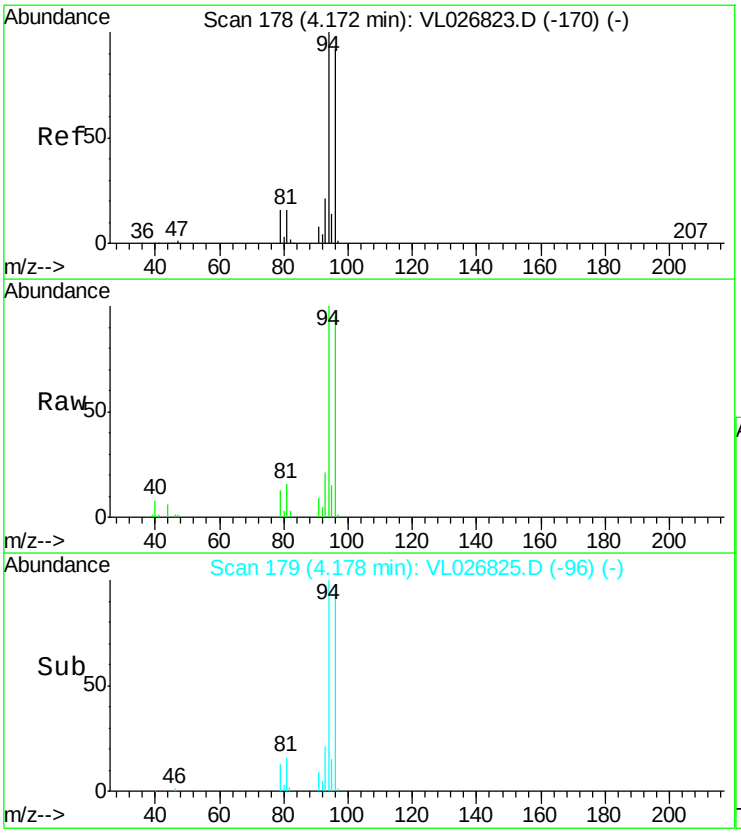
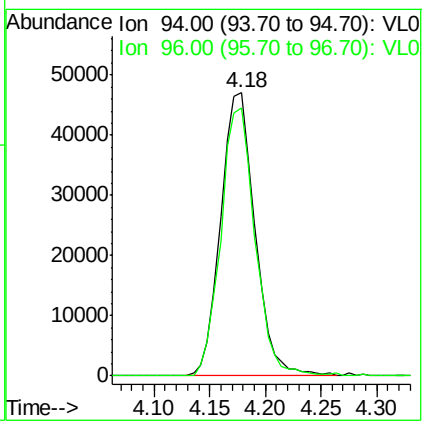
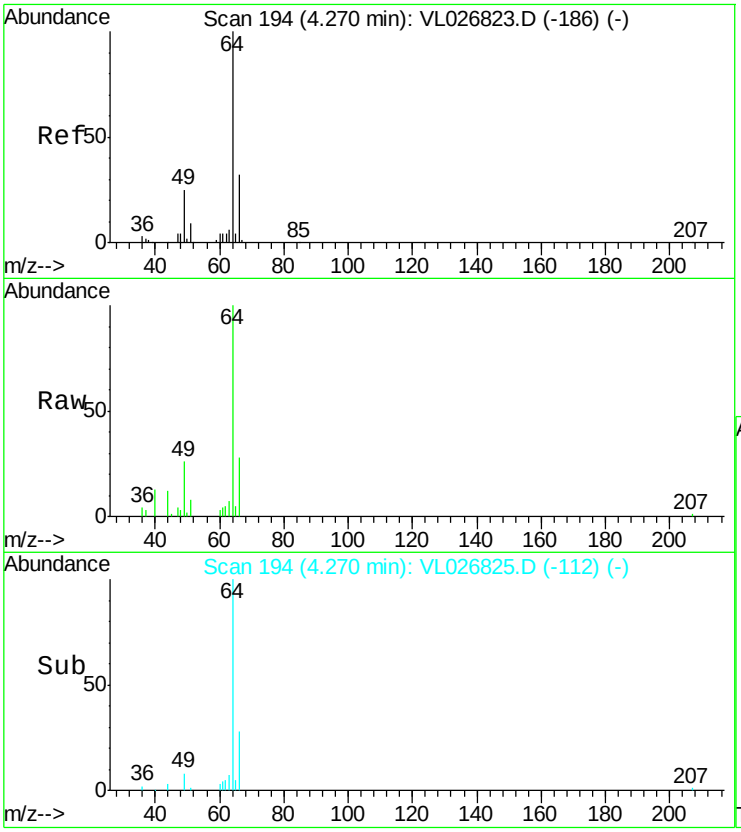


#6
Bromomethane
Concen: 1.00 ppbv
RT: 4.18 min Scan# 179
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 94 Resp: 100658

Ion	Ratio	Lower	Upper
94	100		
96	94.5	73.2	109.8

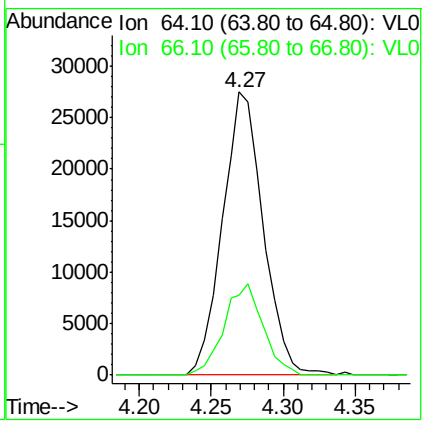




#7
Chloroethane
Concen: 1.01 ppbv
RT: 4.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 64 Resp: 54211

Ion	Ratio	Lower	Upper
64	100		
66	28.1	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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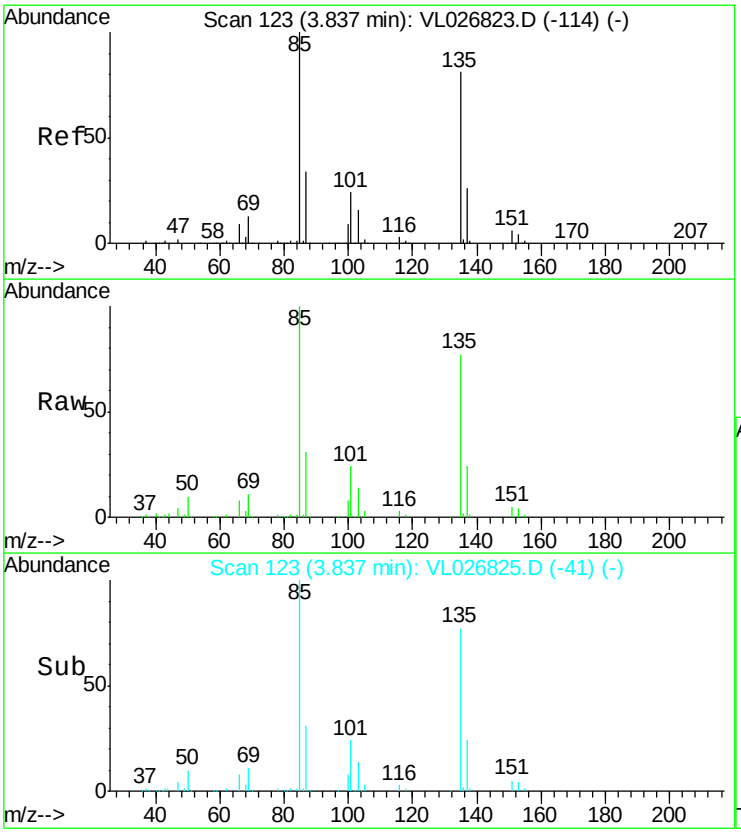
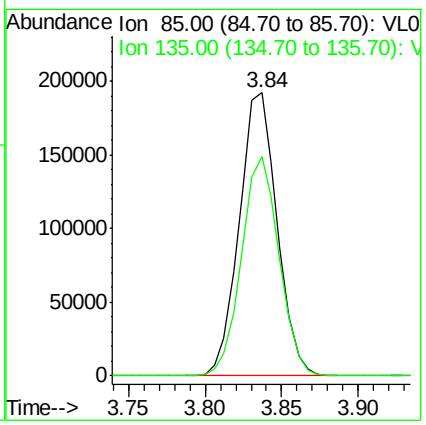
2/11/2016 1:23:04 PM

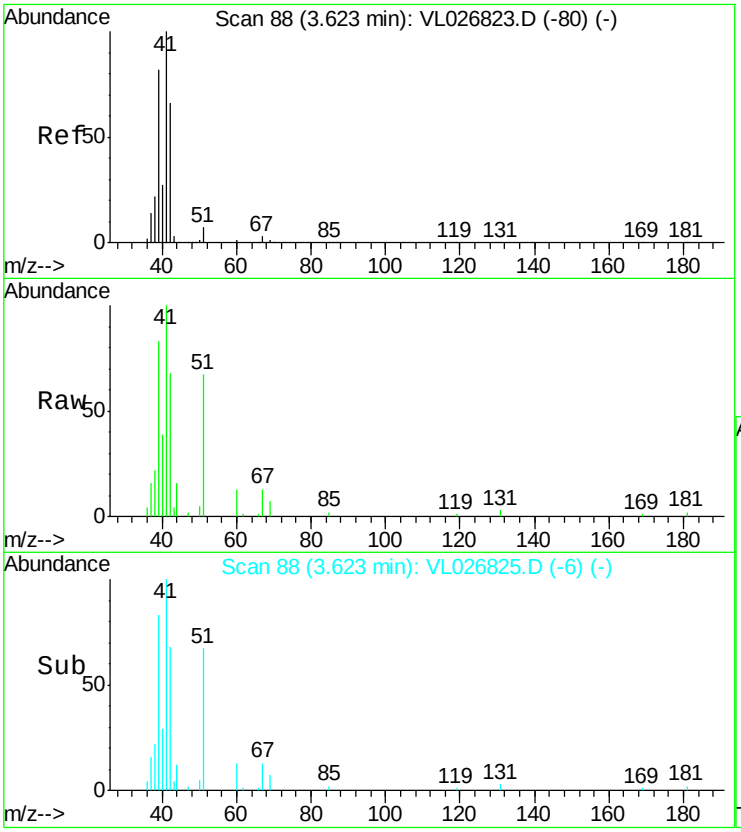


#8
Dichlorotetrafluoroethane
Concen: 0.86 ppbv
RT: 3.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 85 Resp: 330487

Ion	Ratio	Lower	Upper
85	100		
135	77.0	63.2	94.8

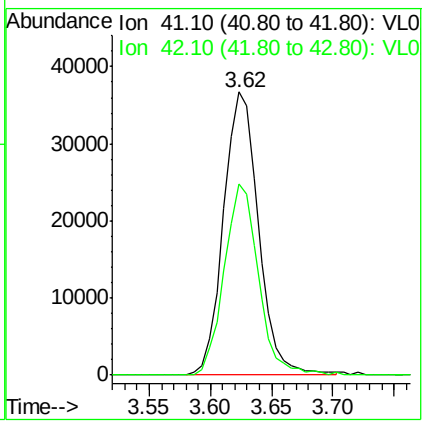




#9
Propene
Concen: 1.12 ppbv
RT: 3.62 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

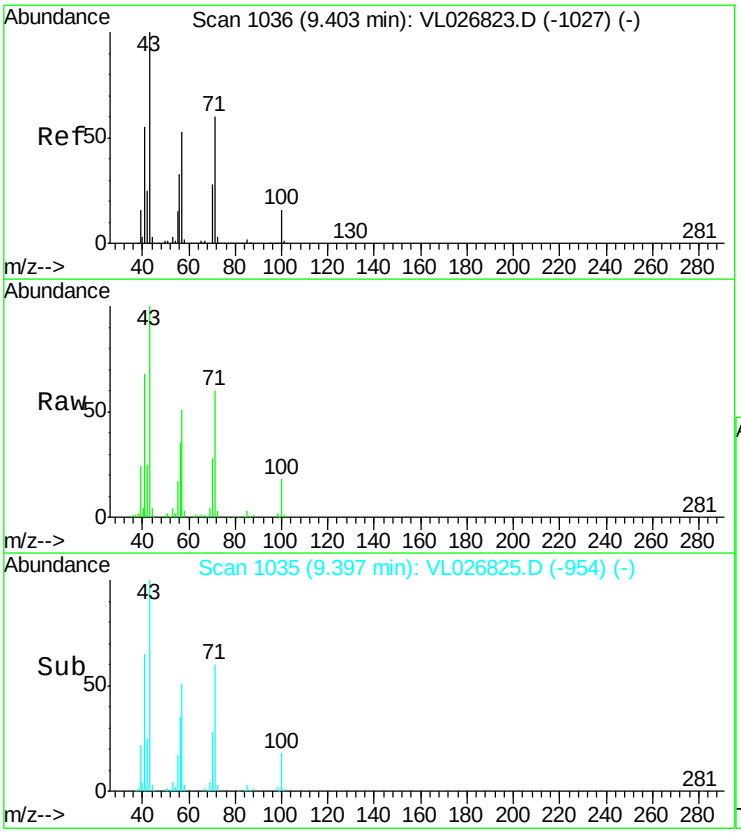
Tgt Ion: 41 Resp: 72834

Ion	Ratio	Lower	Upper
41	100		
42	65.8	52.8	79.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

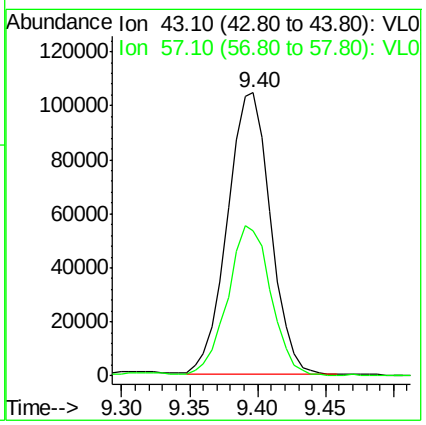
Manual Integrations APPROVED
MMDadoda
2/11/2016 1:23:04 PM

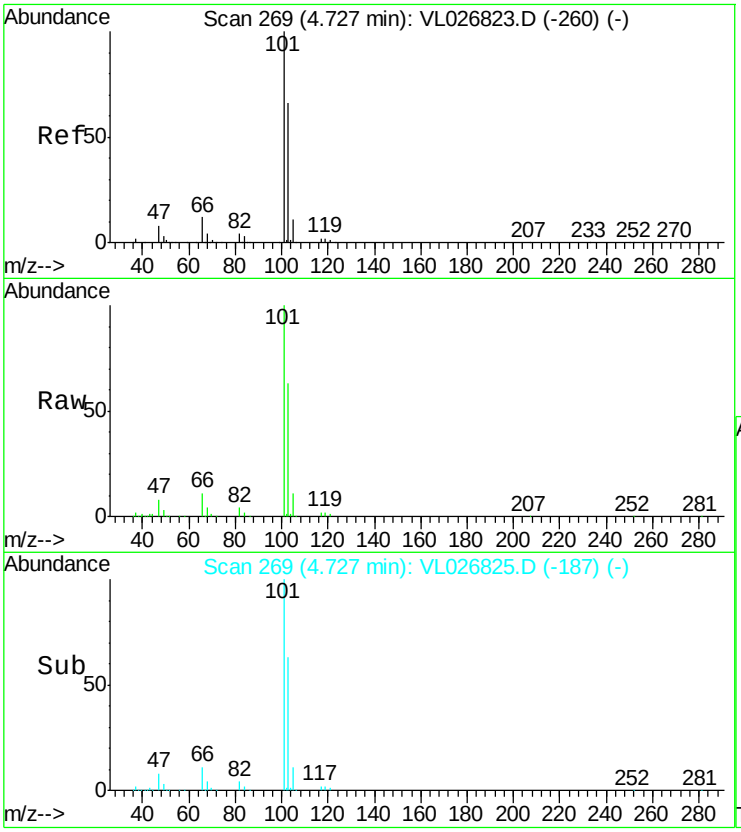


#10
Heptane
Concen: 0.92 ppbv
RT: 9.40 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 230938

Ion	Ratio	Lower	Upper
43	100		
57	55.6	44.0	66.0

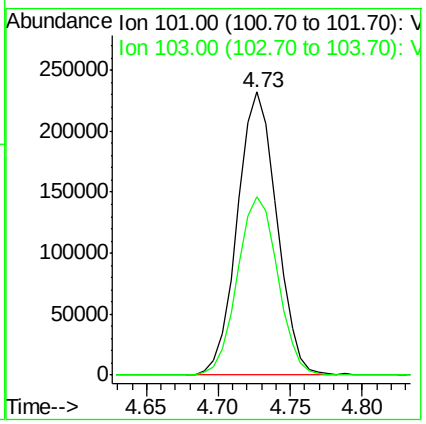




#11
Trichlorofluoromethane
Concen: 0.73 ppbv
RT: 4.73 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

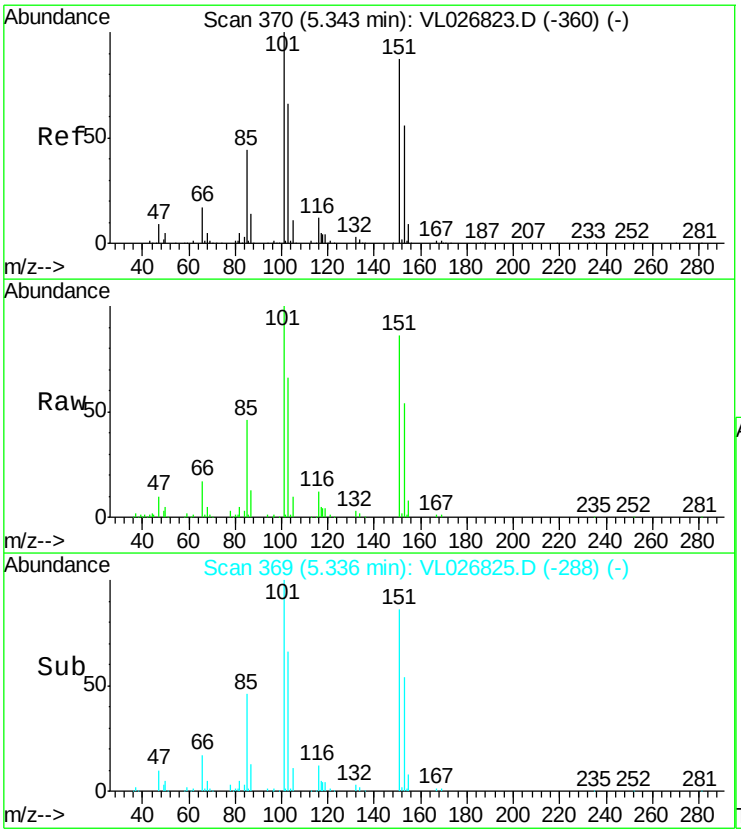
Tgt Ion:101 Resp: 441616

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.7	79.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

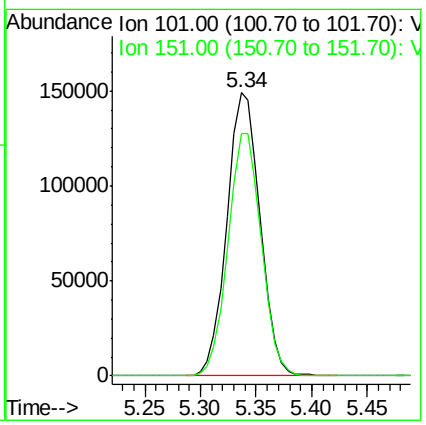
Manual Integrations APPROVED
MMDadoda
2/11/2016 1:23:04 PM

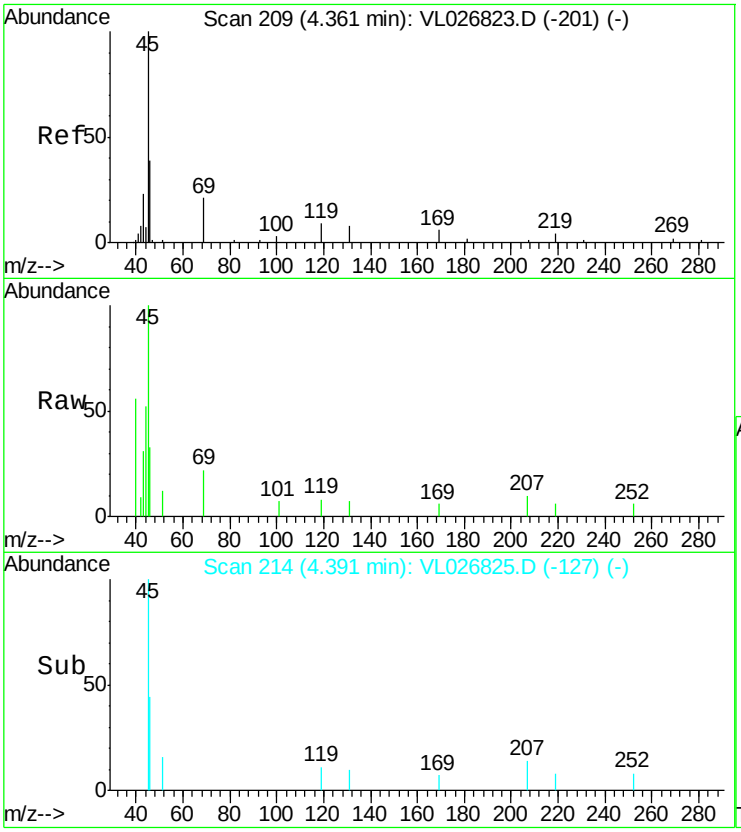


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.87 ppbv
RT: 5.34 min Scan# 369
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:101 Resp: 308152

Ion	Ratio	Lower	Upper
101	100		
151	85.7	69.4	104.0

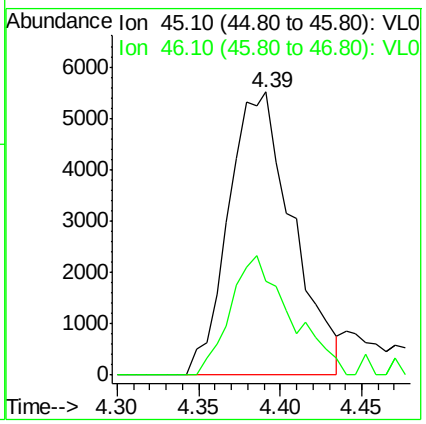




#13
Ethanol
Concen: 1.00 ppbv
RT: 4.39 min Scan# 214
Delta R.T. 0.03 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 45 Resp: 15046

Ion	Ratio	Lower	Upper
45	100		
46	40.7	15.8	63.4



Instrument :
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ClientSampleId :
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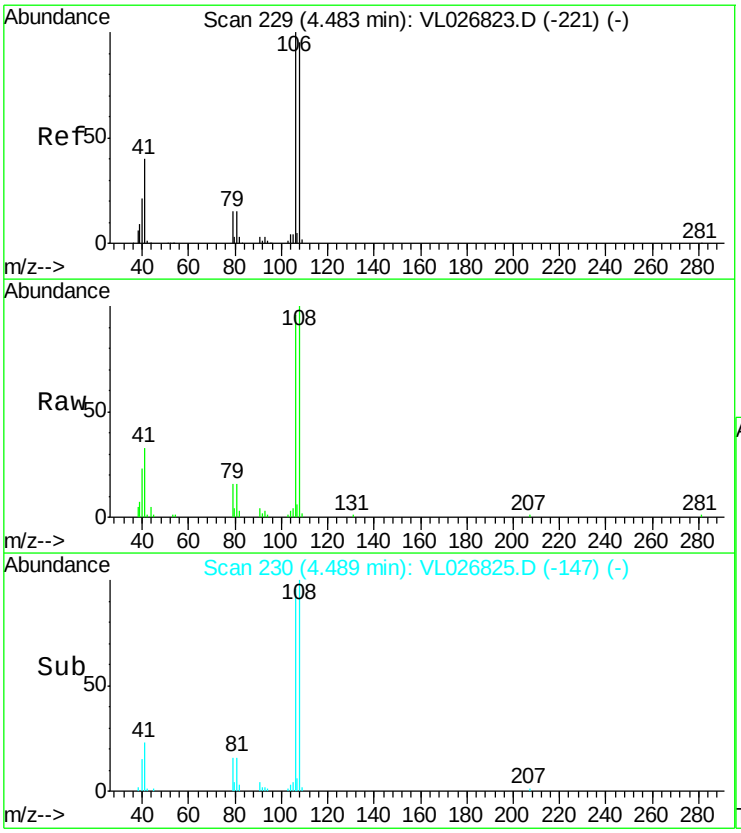
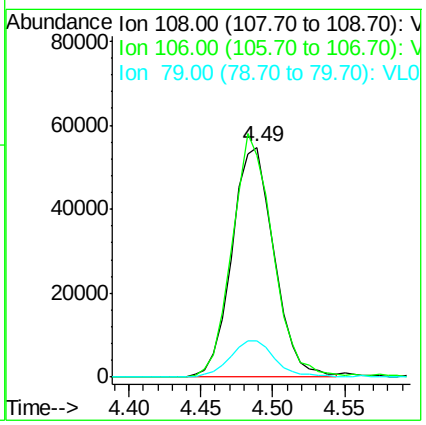
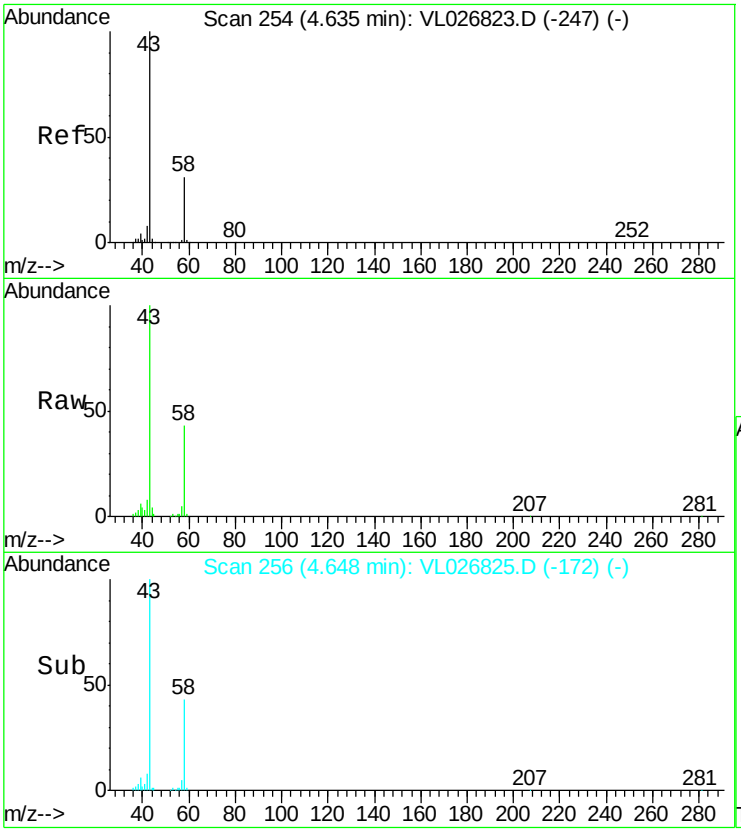


#14
Bromoethene
Concen: 0.97 ppbv
RT: 4.49 min Scan# 230
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:108 Resp: 111368

Ion	Ratio	Lower	Upper
108	100		
106	103.4	84.6	126.8
79	16.8	13.4	20.0





#15
Acetone
Concen: 0.67 ppbv
RT: 4.65 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 261972

Ion	Ratio	Lower	Upper
43	100		
58	44.9	25.2	37.8#

Instrument :
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ClientSampleId :
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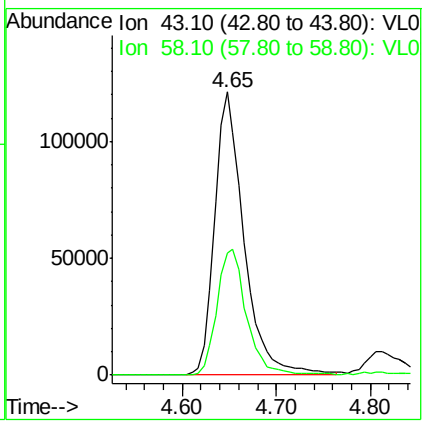
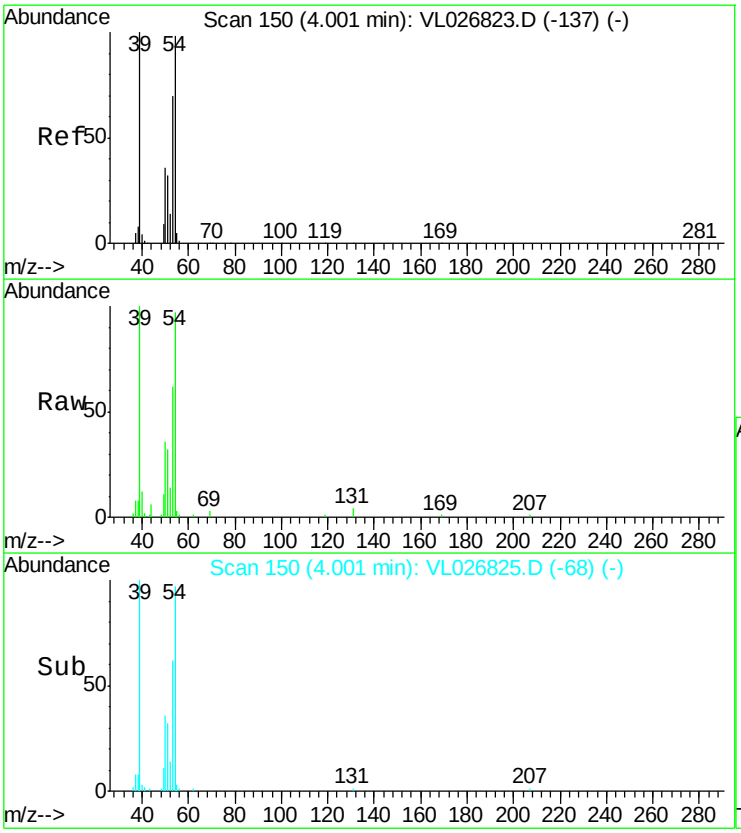
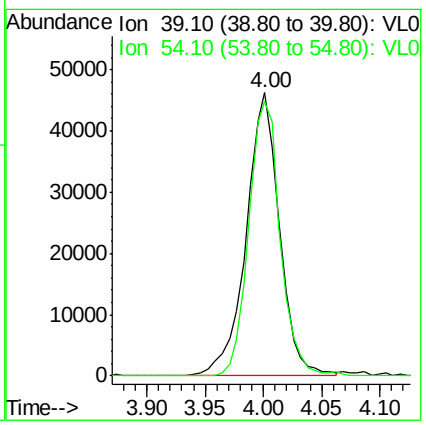


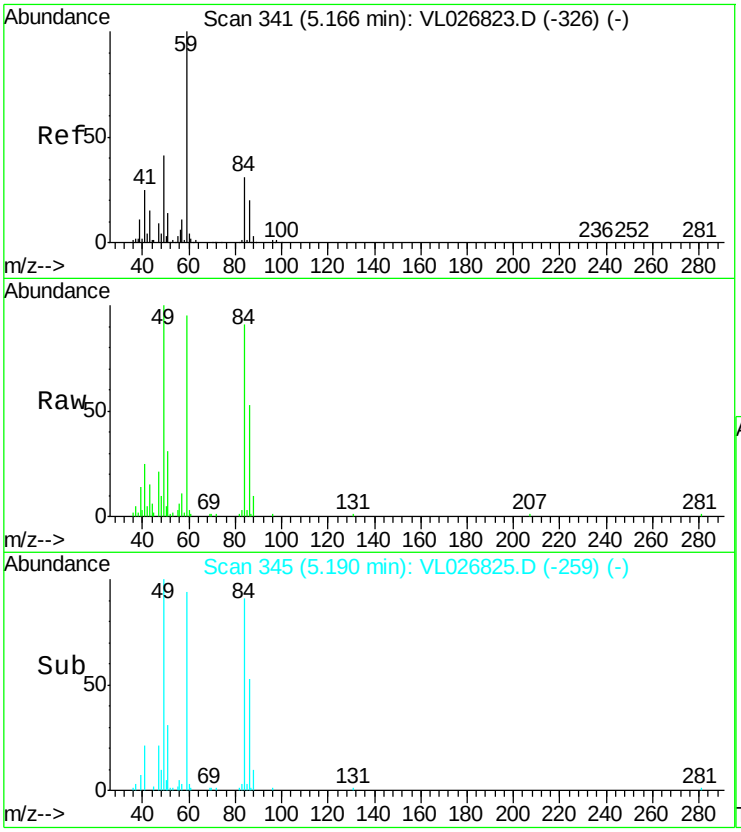


#16
1,3-Butadiene
Concen: 0.87 ppbv
RT: 4.00 min Scan# 150
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 39 Resp: 92423

Ion	Ratio	Lower	Upper
39	100		
54	91.1	74.7	112.1

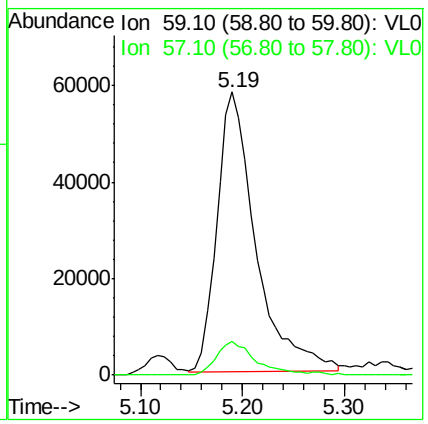




#17
tert-Butyl alcohol
Concen: 0.74 ppbv
RT: 5.19 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 59 Resp: 153995

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.5	12.7



Instrument :
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ClientSampleId :
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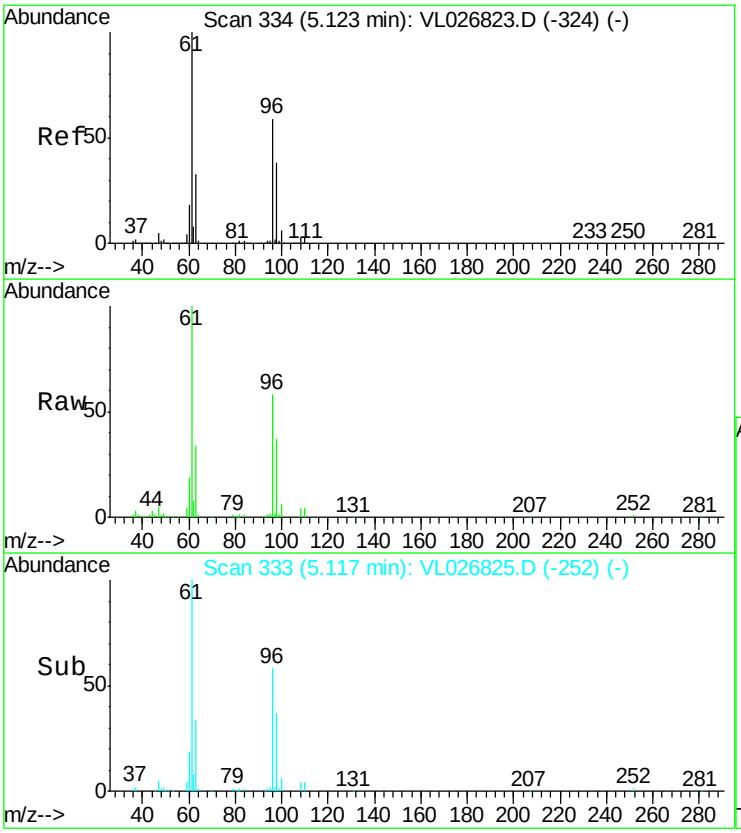
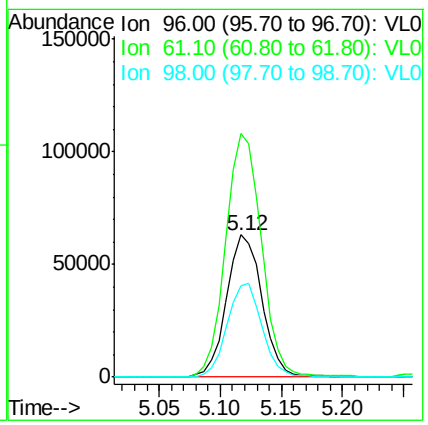
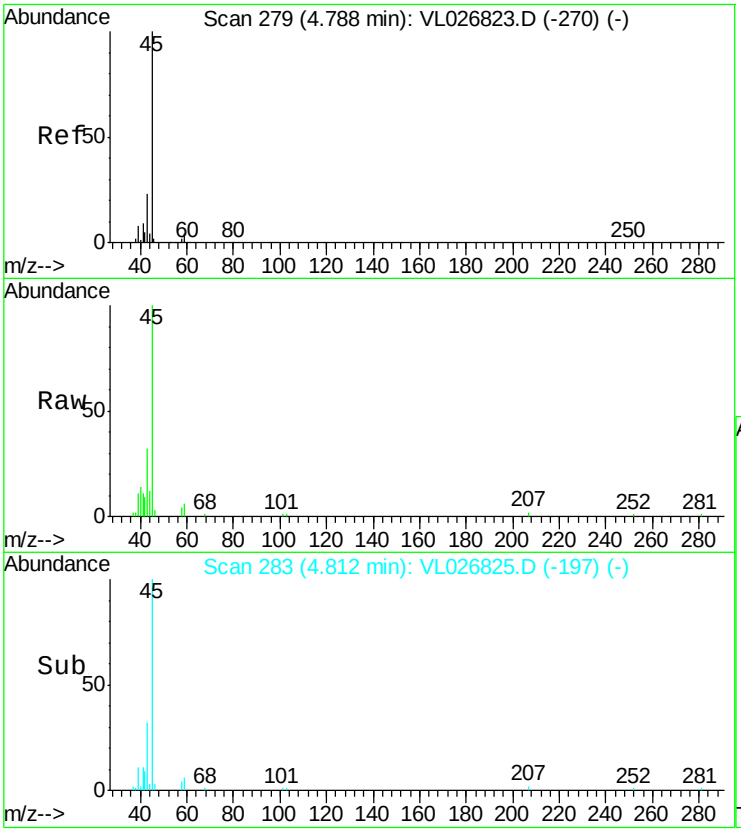


#18
1,1-Dichloroethene
Concen: 0.93 ppbv
RT: 5.12 min Scan# 333
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 96 Resp: 127009

Ion	Ratio	Lower	Upper
96	100		
61	171.5	136.7	205.1
98	64.1	52.1	78.1





#19
Isopropyl Alcohol
Concen: 0.86 ppbv
RT: 4.81 min Scan# 283
Delta R.T. 0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 45 Resp: 88150

Ion	Ratio	Lower	Upper
45	100		
58	4.9	2.2	3.2#

Instrument :
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ClientSampleId :
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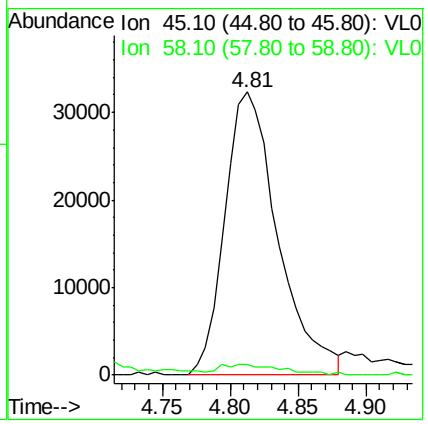
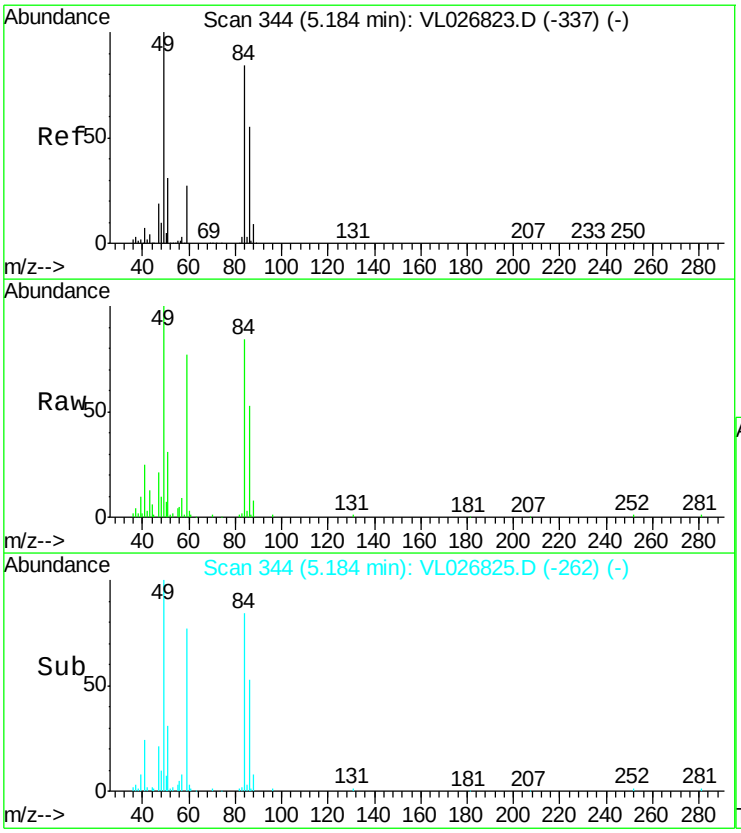
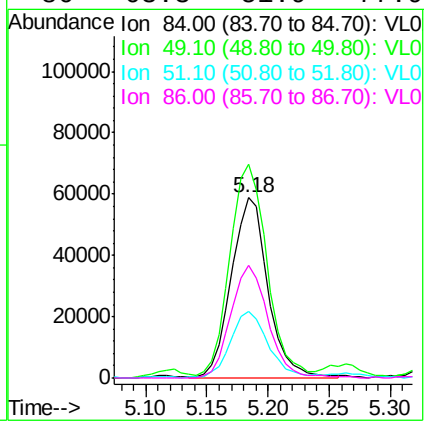


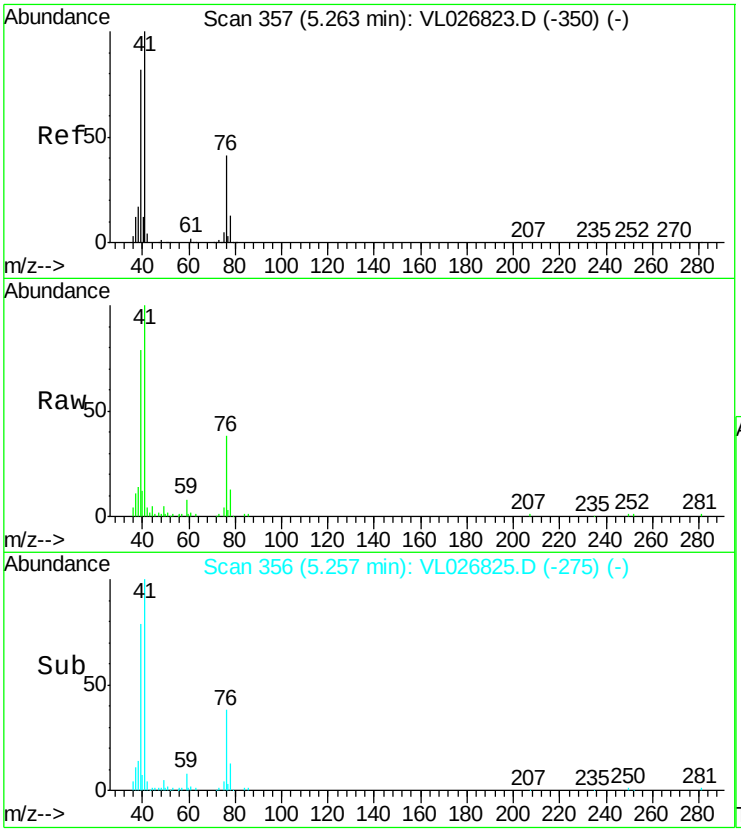


#20
Methylene Chloride
Concen: 0.97 ppbv
RT: 5.18 min Scan# 344
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 84 Resp: 122545

Ion	Ratio	Lower	Upper
84	100		
49	117.4	94.9	142.3
51	36.3	29.5	44.3
86	63.3	51.9	77.9

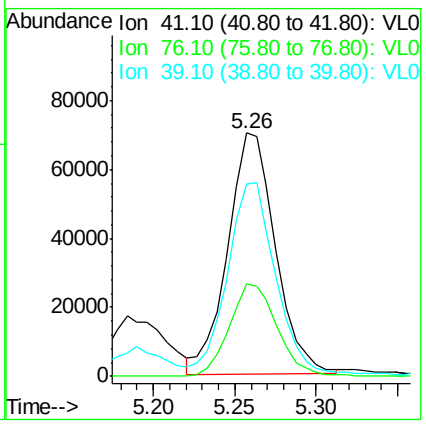




#21
Allvl Chloride
Concen: 0.86 ppbv
RT: 5.26 min Scan# 356
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 41 Resp: 142365

Ion	Ratio	Lower	Upper
41	100		
76	38.3	32.0	48.0
39	98.6	64.6	96.8#



Instrument :
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ClientSampleId :
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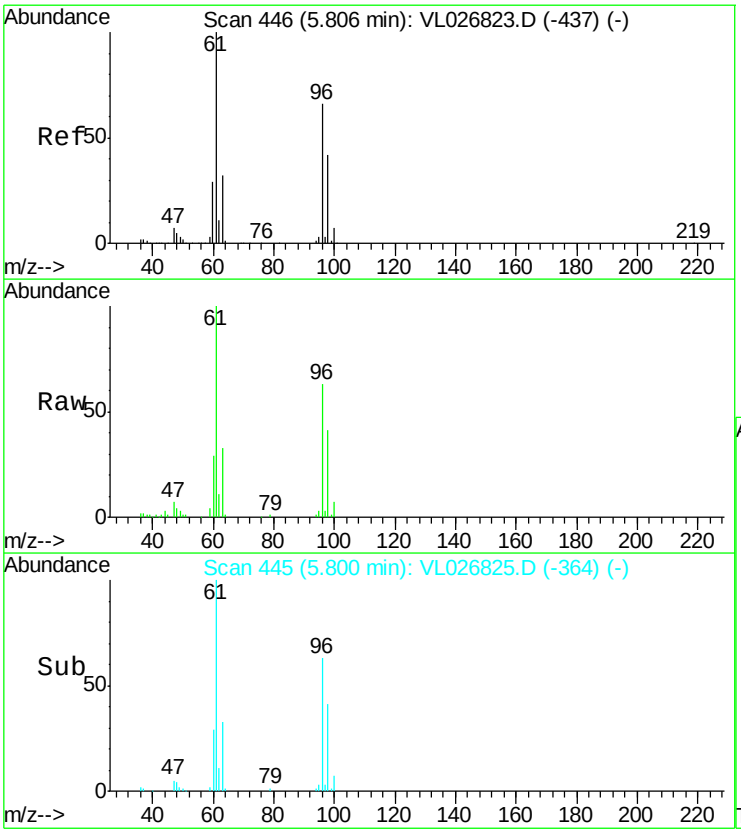
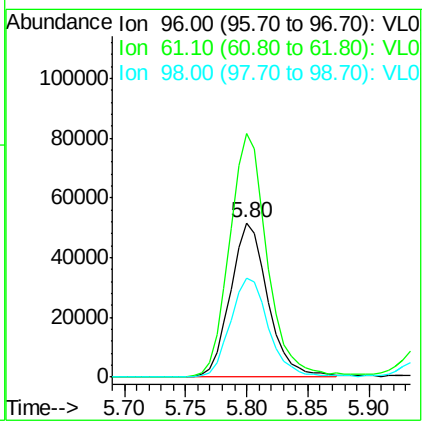
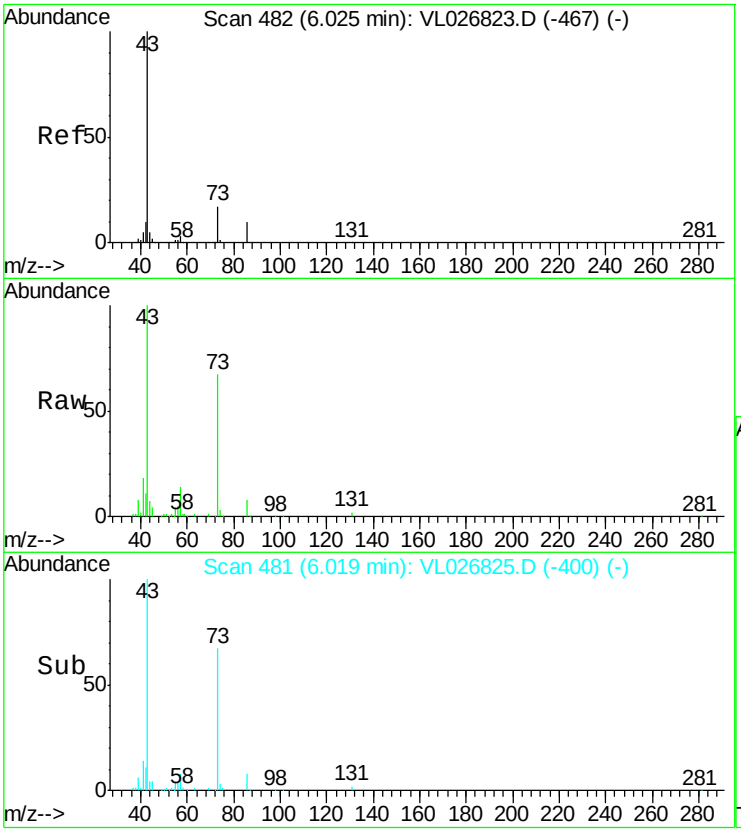


#22
trans-1,2-Dichloroethene
Concen: 0.84 ppbv
RT: 5.80 min Scan# 445
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 96 Resp: 110070

Ion	Ratio	Lower	Upper
96	100		
61	157.9	121.6	182.4
98	64.6	50.6	76.0

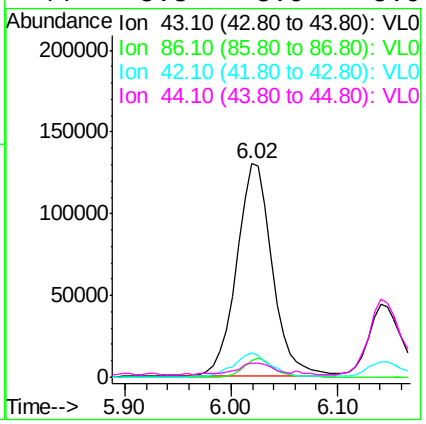




#23
Vinyl Acetate
Concen: 0.74 ppbv
RT: 6.02 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 307503

Ion	Ratio	Lower	Upper
43	100		
86	8.1	7.7	11.5
42	11.1	7.8	11.8
44	5.3	3.9	5.9



Instrument :
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ClientSampleId :
VSTDICC001

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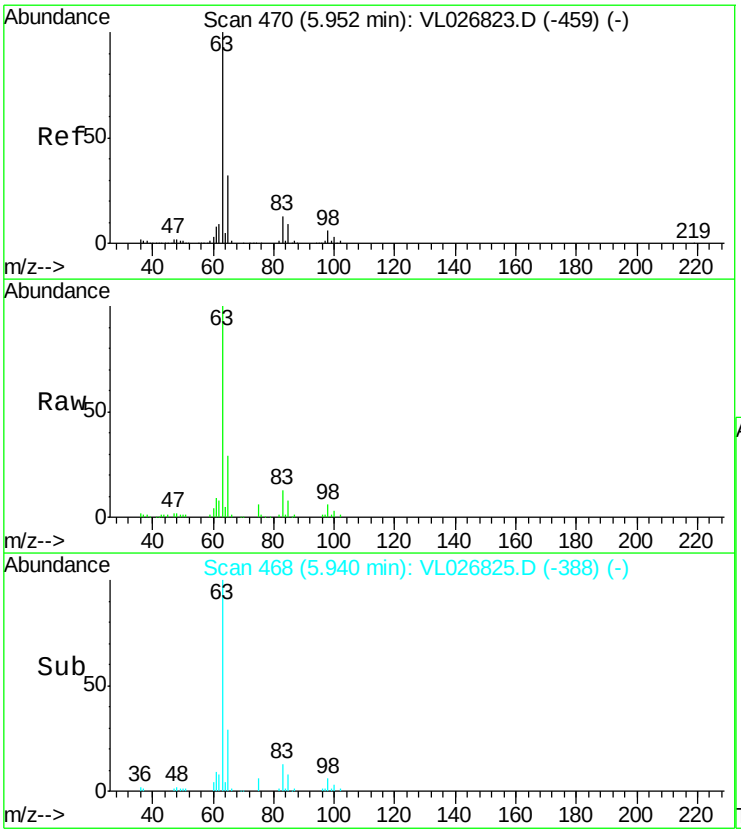
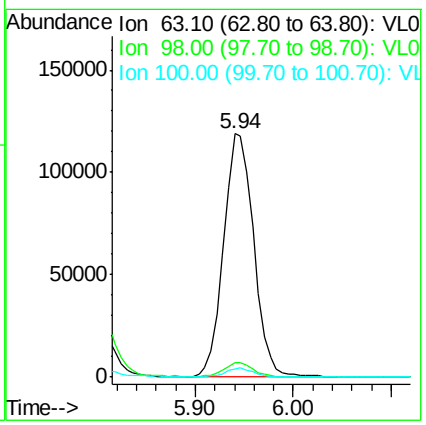
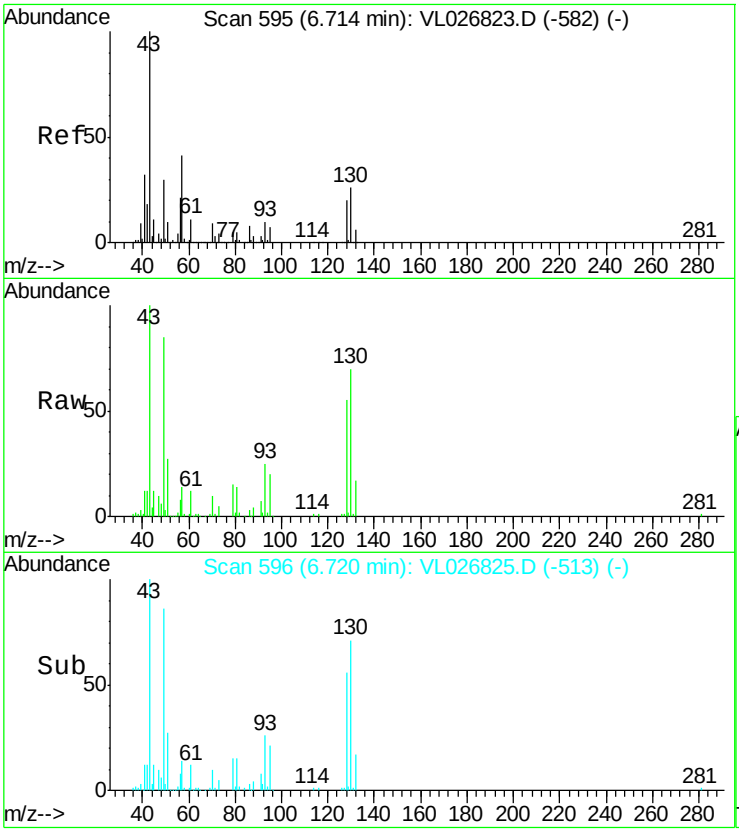


#24
1,1-Dichloroethane
Concen: 0.87 ppbv
RT: 5.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 63 Resp: 254547

Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.7
100	3.2	1.7	5.1

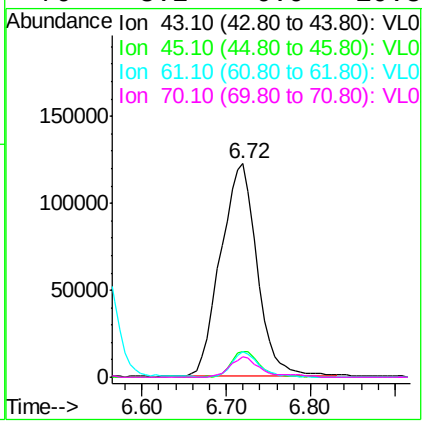




#25
Ethyl Acetate
Concen: 0.94 ppbv
RT: 6.72 min Scan# 596
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 360521

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.2	7.9	11.9
70	8.2	6.9	10.3



Instrument :
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ClientSampleId :
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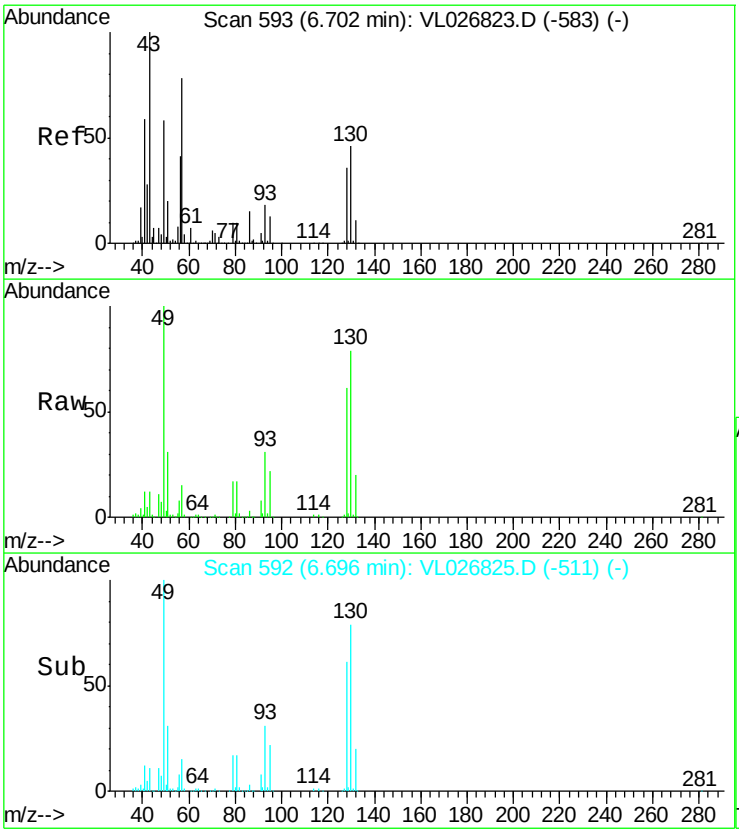
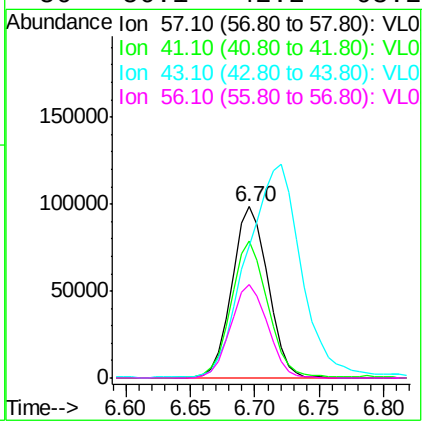
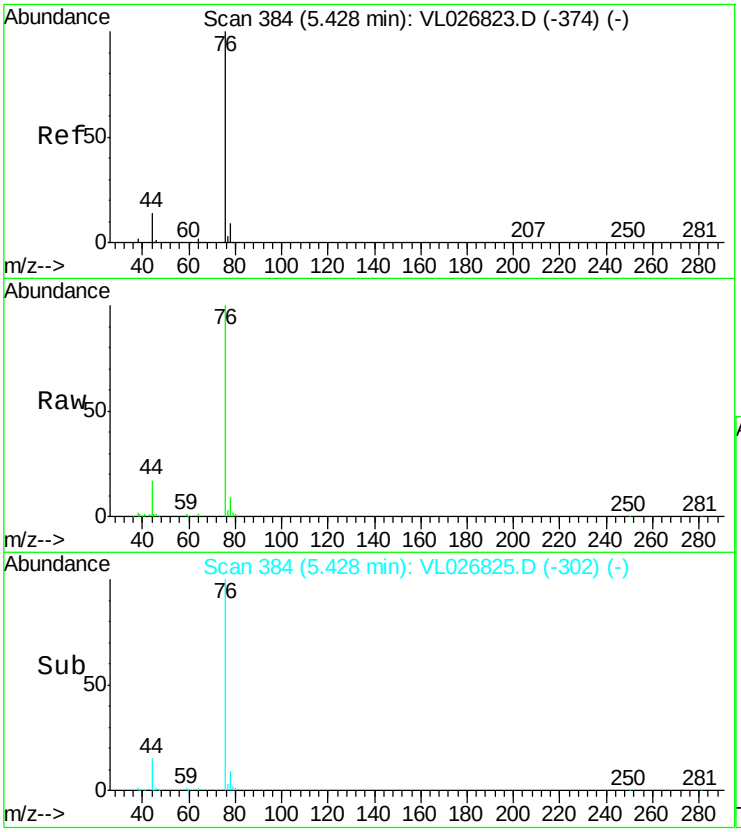


#26
Hexane
Concen: 1.00 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 57 Resp: 190991

Ion	Ratio	Lower	Upper
57	100		
41	82.9	63.3	94.9
43	196.3	151.4	227.2
56	56.1	42.2	63.2

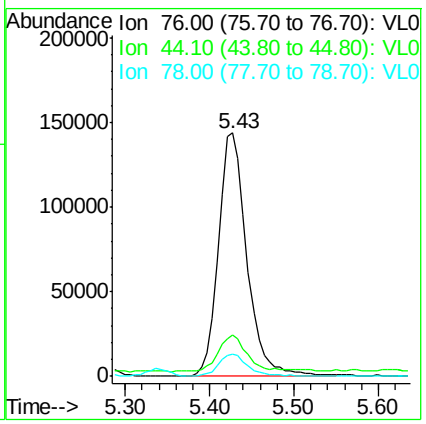




#27
Carbon Disulfide
Concen: 0.88 ppbv
RT: 5.43 min Scan# 384
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 76 Resp: 334312

Ion	Ratio	Lower	Upper
76	100		
44	16.5	12.1	18.1
78	9.6	7.7	11.5



Instrument :
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ClientSampleId :
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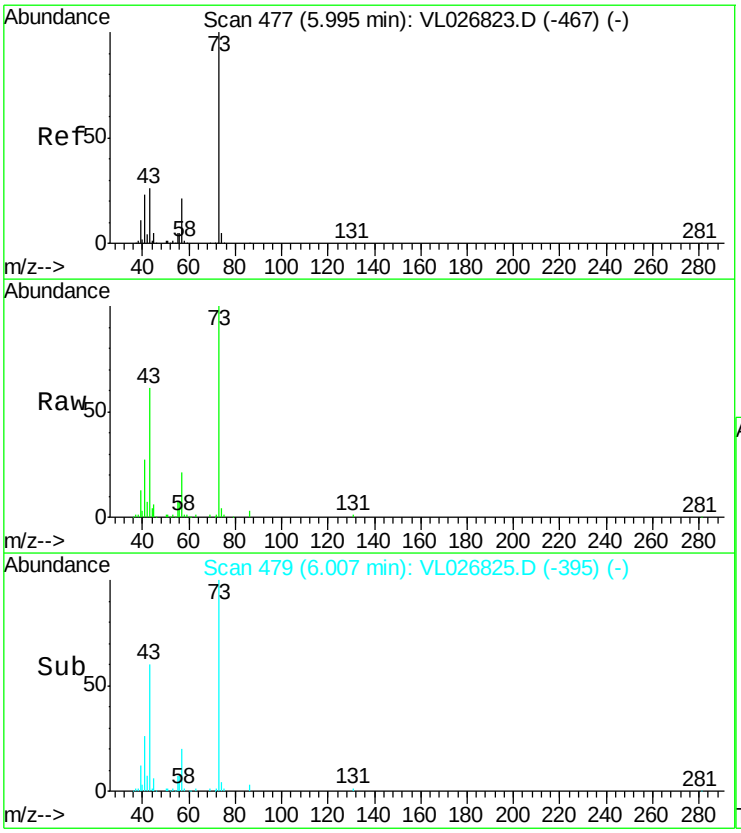
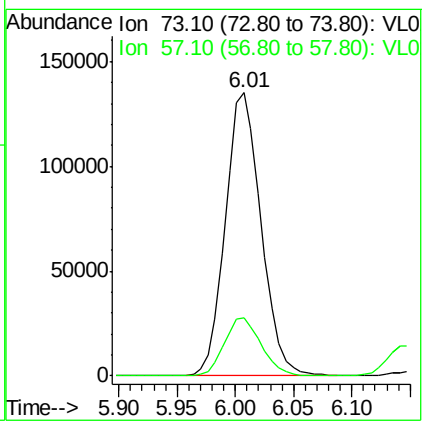
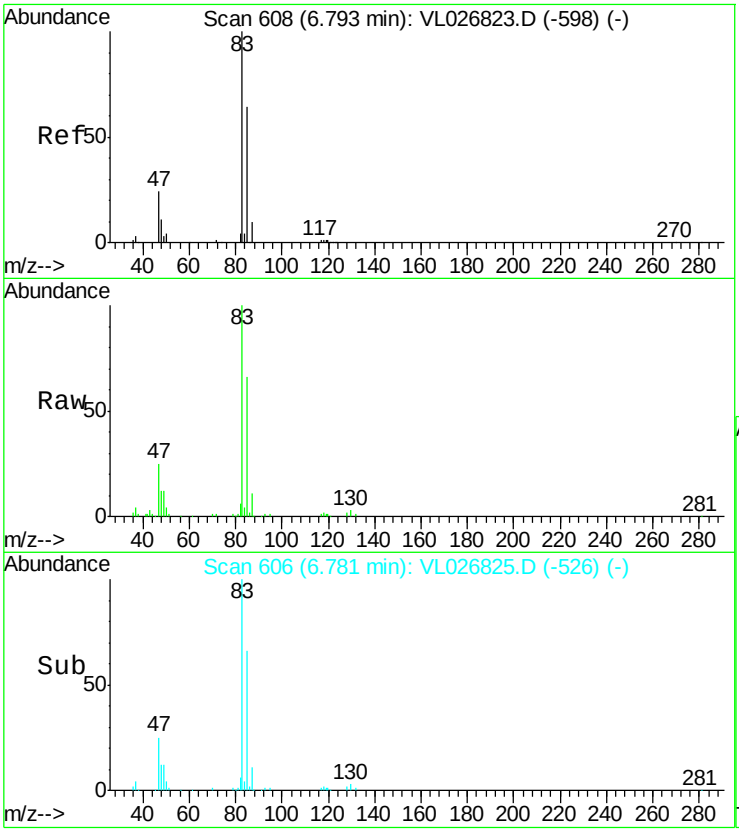


#28
Methyl tert-Butyl Ether
Concen: 0.68 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 73 Resp: 288413

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

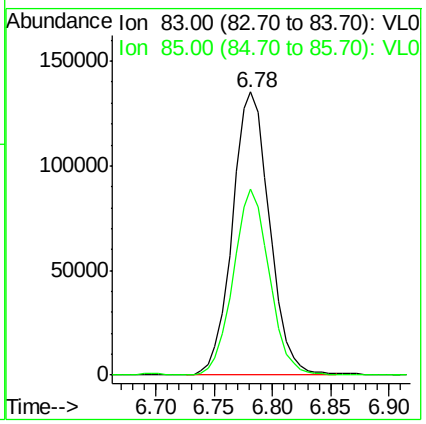




#29
Chloroform
Concen: 0.70 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 83 Resp: 300224

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3



Instrument :
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ClientSampleId :
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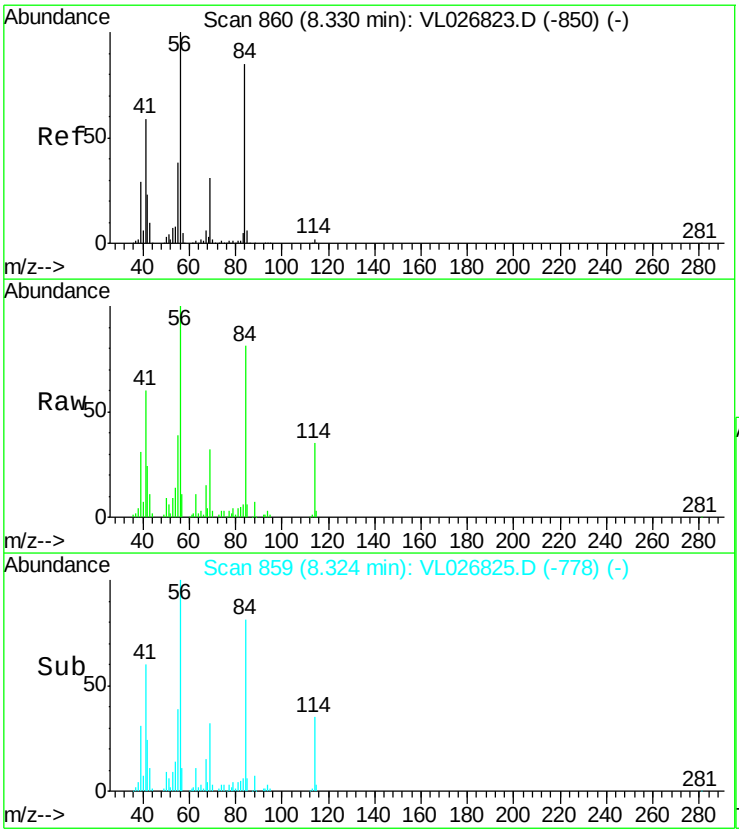
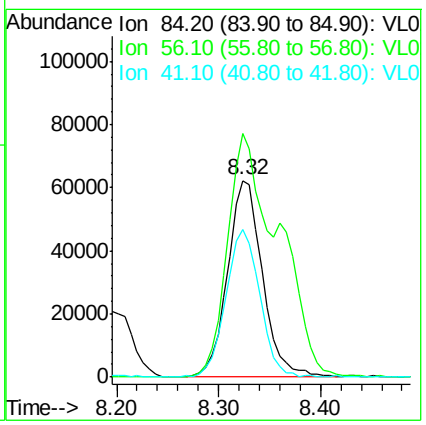
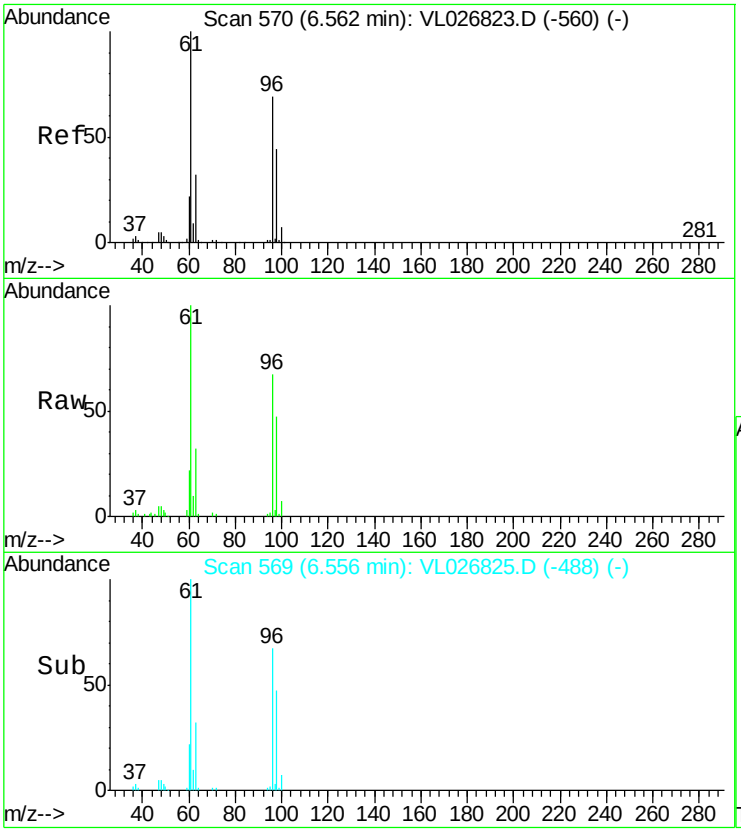


#30
Cyclohexane
Concen: 0.75 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 84 Resp: 147335

Ion	Ratio	Lower	Upper
84	100		
56	180.9	99.4	149.2#
41	73.1	56.7	85.1

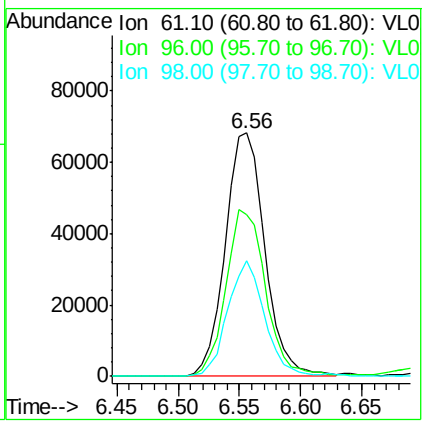




#31
cis-1,2-Dichloroethene
Concen: 0.74 ppbv
RT: 6.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 61 Resp: 152971

Ion	Ratio	Lower	Upper
61	100		
96	66.6	55.2	82.8
98	47.4	35.2	52.8



Instrument :
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ClientSampleId :
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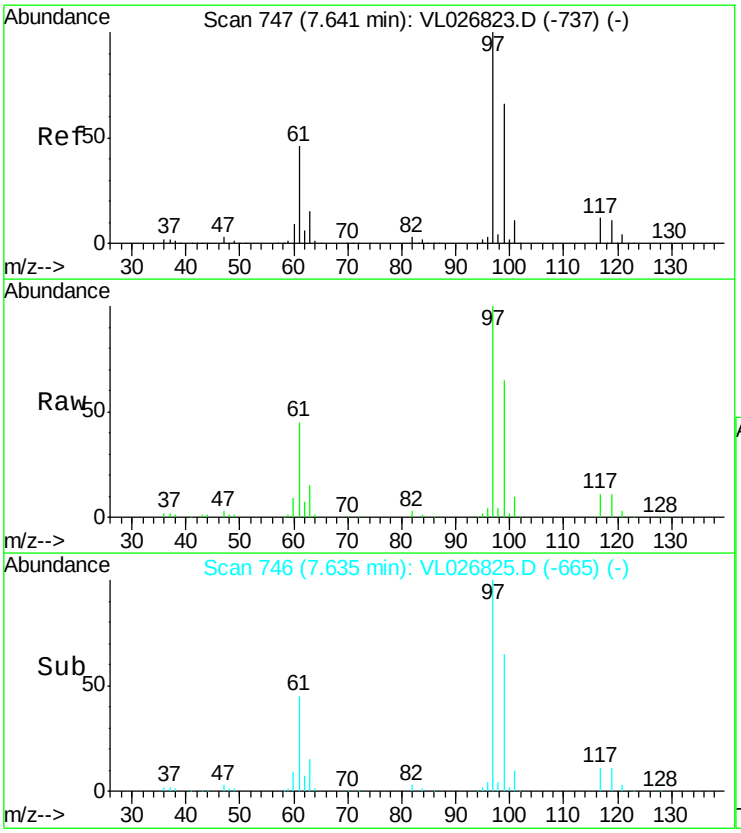
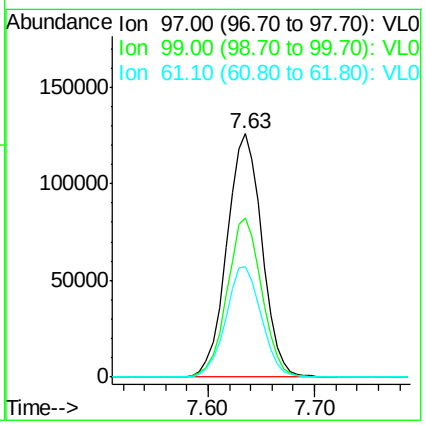
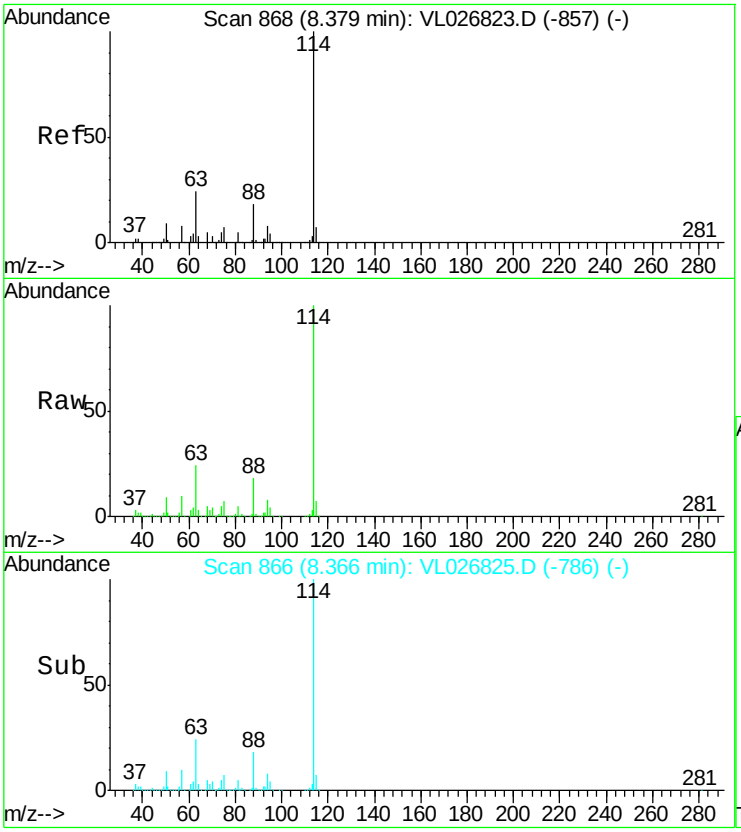


#32
1,1,1-Trichloroethane
Concen: 0.60 ppbv
RT: 7.63 min Scan# 746
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 97 Resp: 290642

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	45.9	36.2	54.4

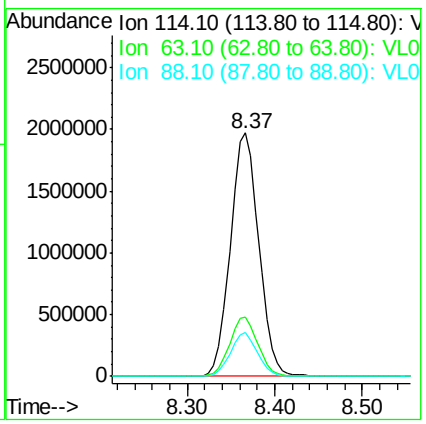




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.37 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:114 Resp: 4460108

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.7	29.5
88	17.3	13.8	20.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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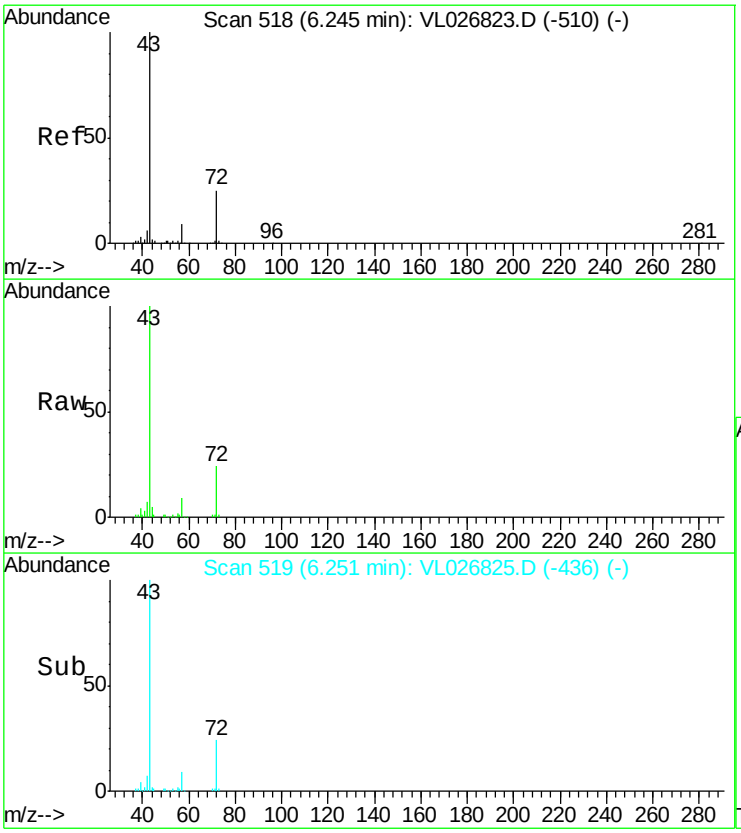
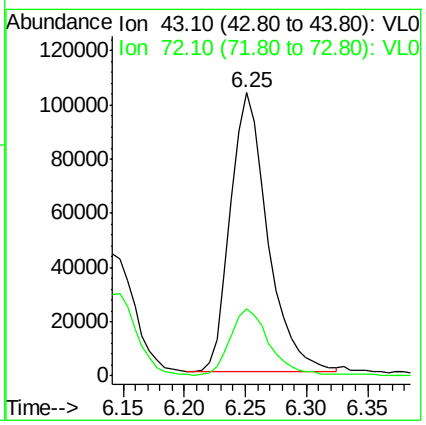
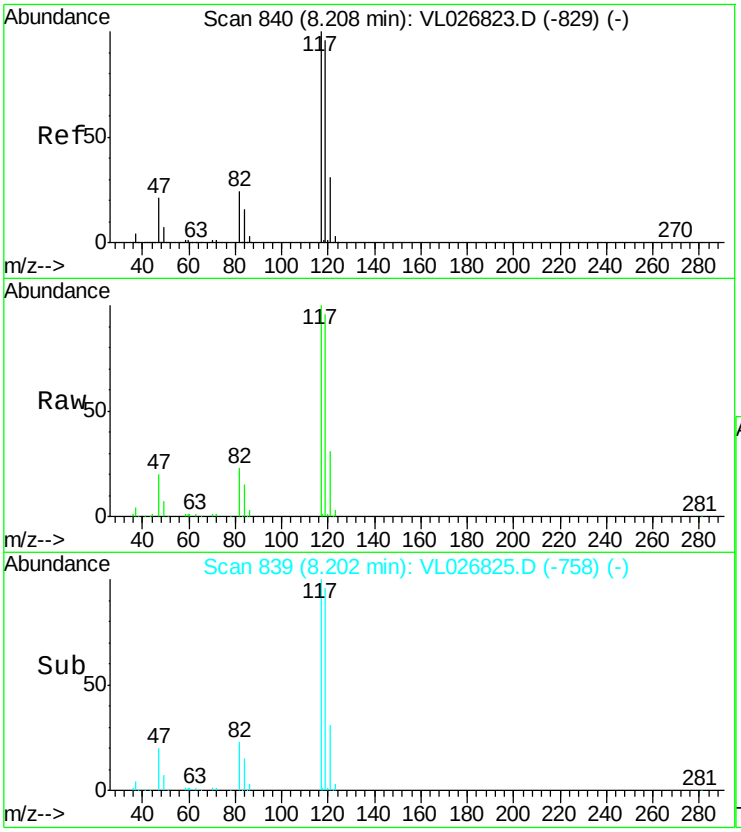


#34
2-Butanone
Concen: 1.06 ppbv
RT: 6.25 min Scan# 519
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 218925

Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.8	29.8

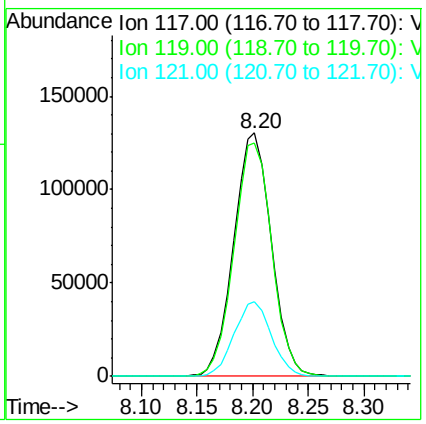




#35
Carbon Tetrachloride
Concen: 0.69 ppbv
RT: 8.20 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:117 Resp: 305841

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	30.8	25.0	37.4



Instrument :
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ClientSampleId :
VSTDICC001

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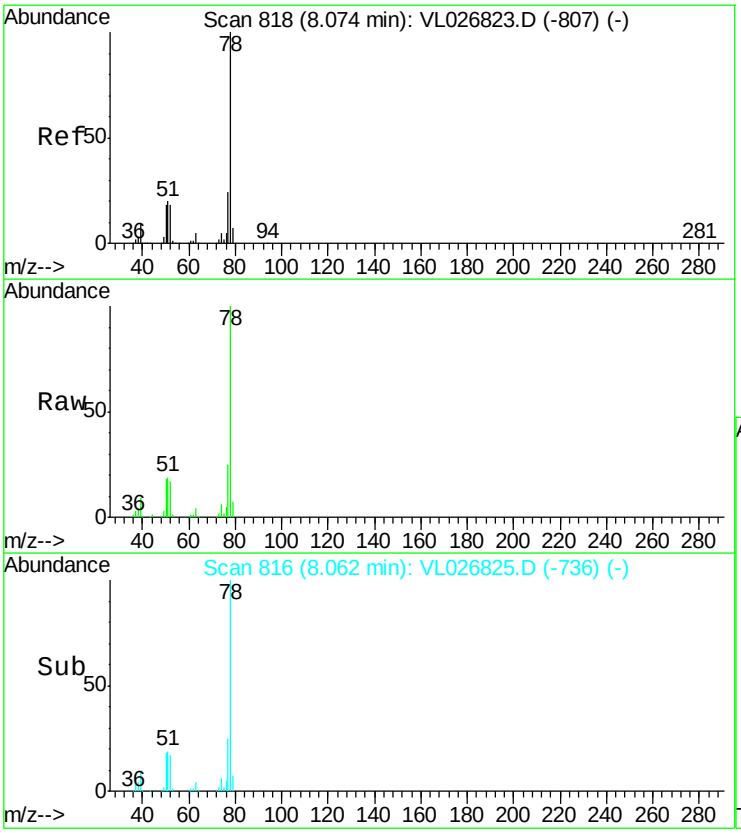
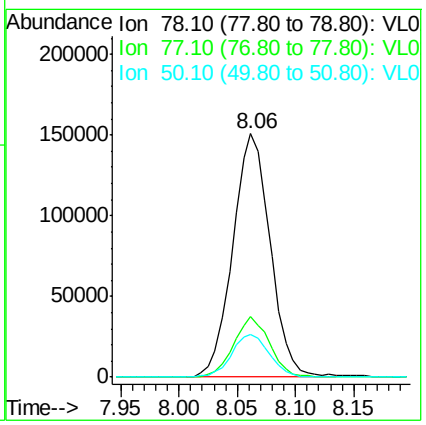
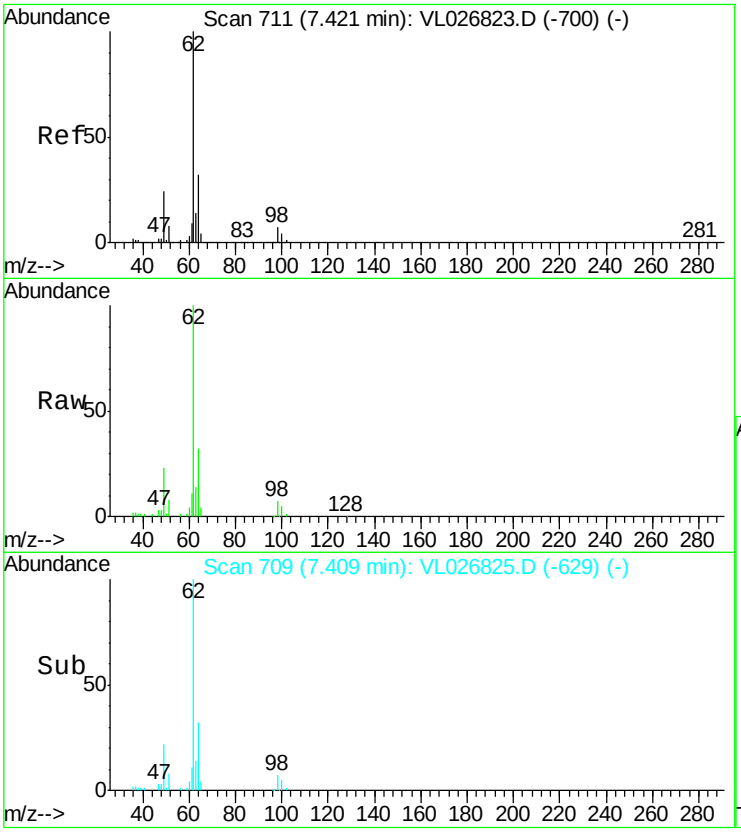


#36
Benzene
Concen: 0.91 ppbv
RT: 8.06 min Scan# 816
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 78 Resp: 338555

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6
50	17.6	14.2	21.4

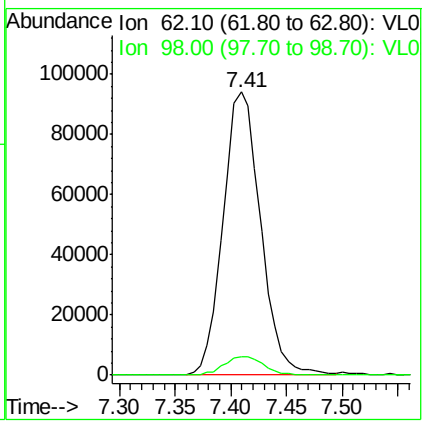




#37
1,2-Dichloroethane
Concen: 0.68 ppbv
RT: 7.41 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 62 Resp: 220265

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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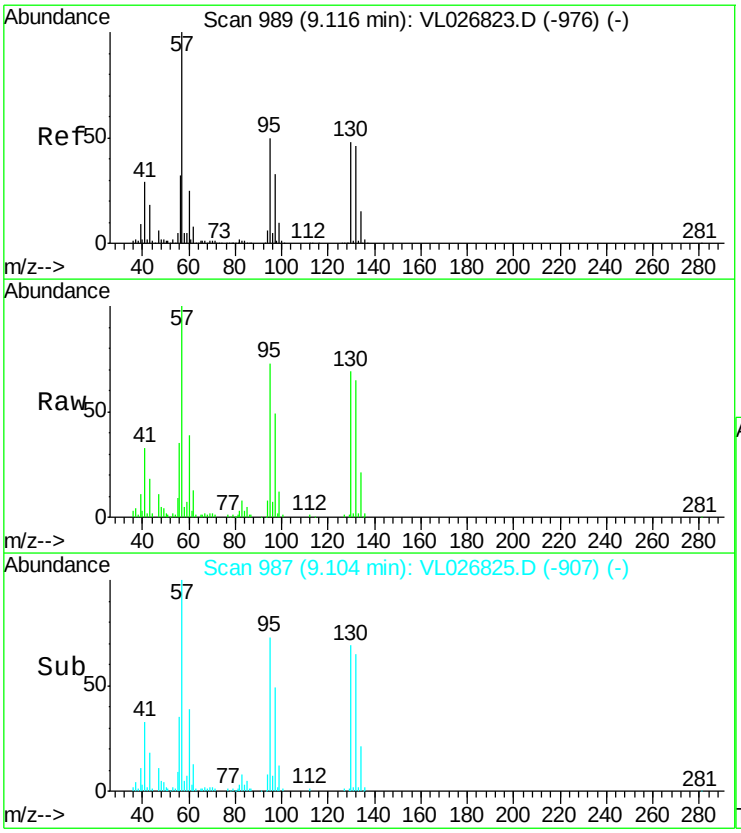
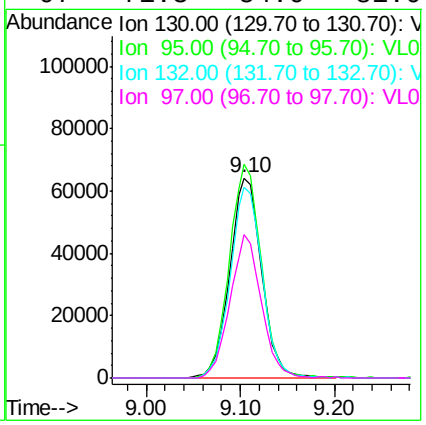
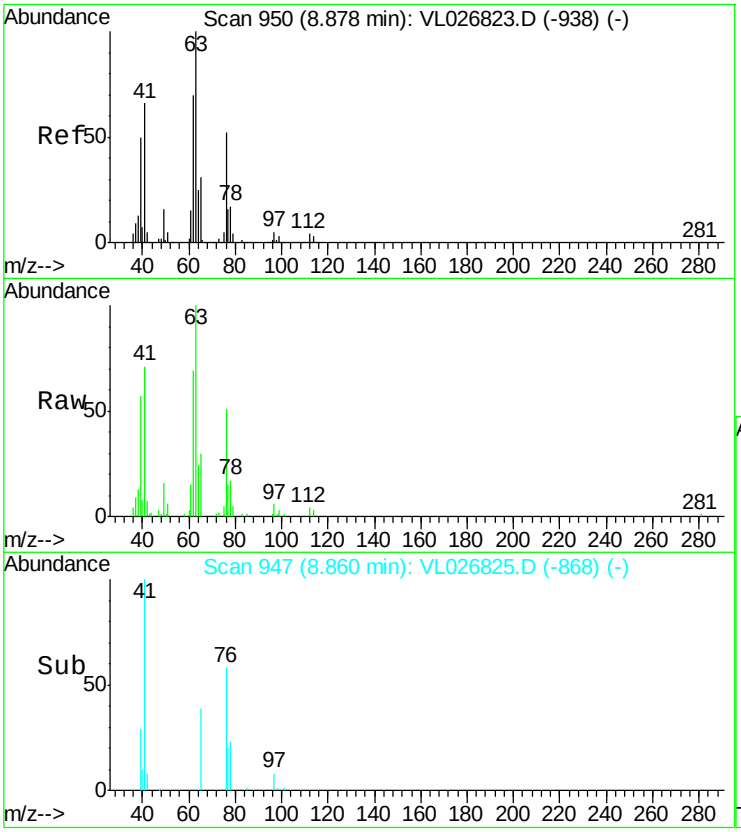


#38
Trichloroethene
Concen: 0.86 ppbv
RT: 9.10 min Scan# 987
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:130 Resp: 151398

Ion	Ratio	Lower	Upper
130	100		
95	106.7	83.0	124.6
132	95.2	76.0	114.0
97	71.3	54.0	81.0

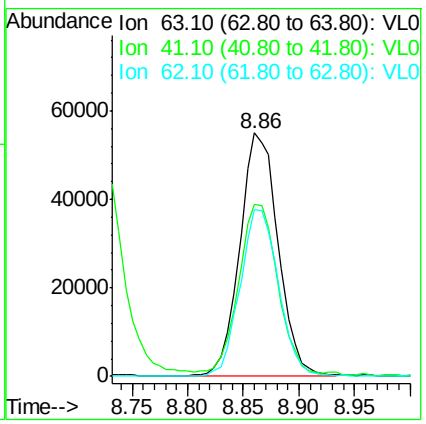




#39
1,2-Dichloropropane
Concen: 1.05 ppbv
RT: 8.86 min Scan# 947
Delta R.T. -0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 63 Resp: 132375

Ion	Ratio	Lower	Upper
63	100		
41	68.8	53.2	79.8
62	68.7	56.0	84.0



Instrument :
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ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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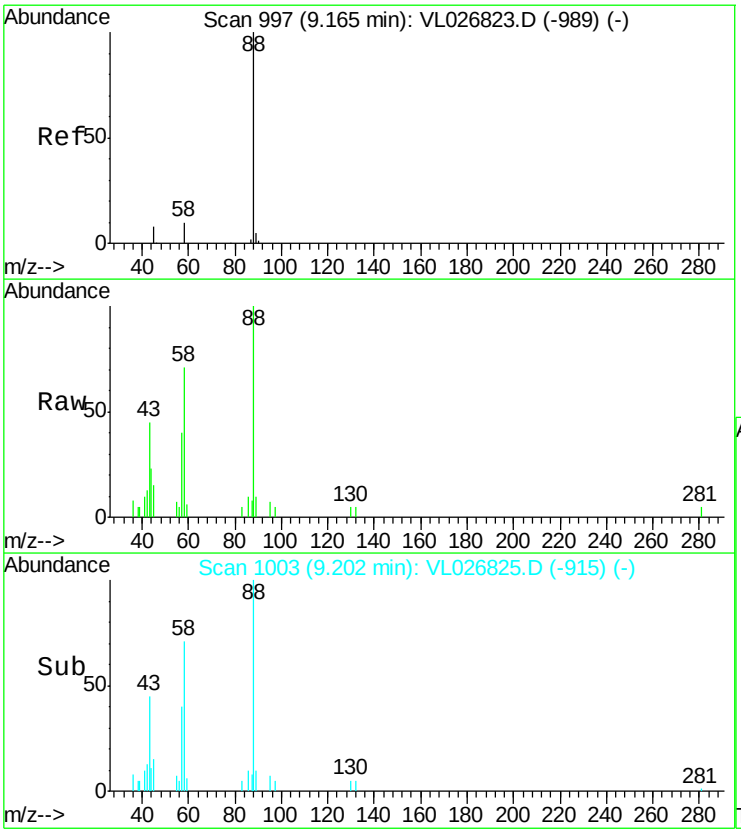
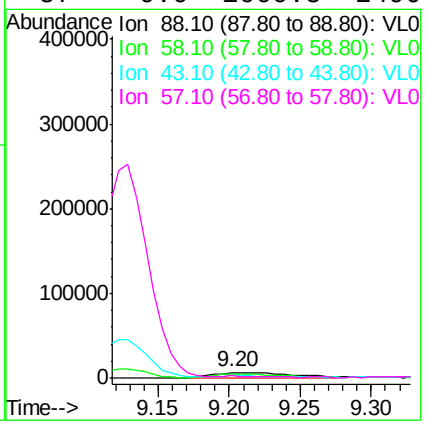
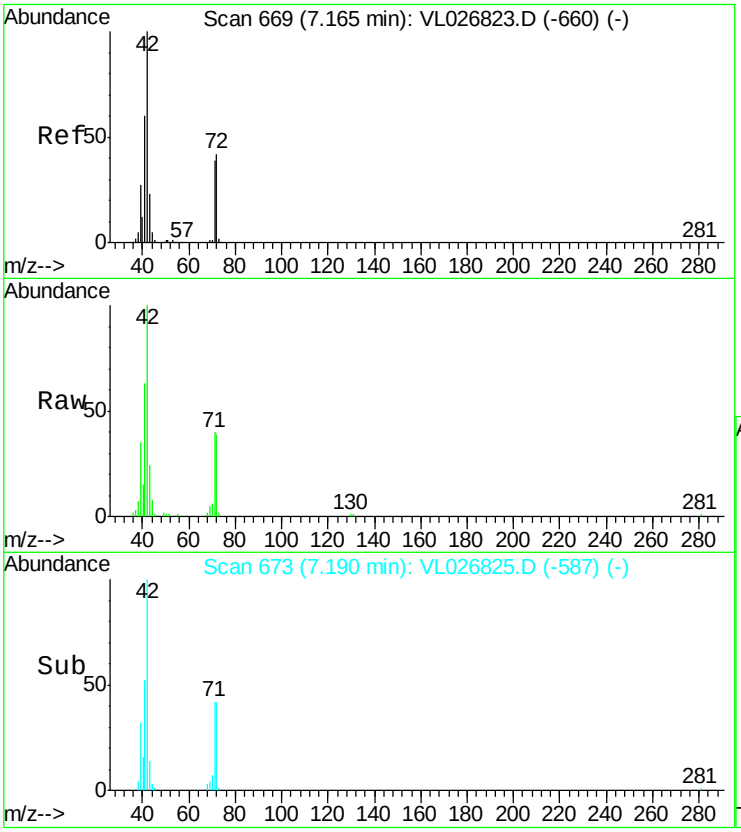


#40
1,4-Dioxane
Concen: 0.79 ppbv m
RT: 9.20 min Scan# 1003
Delta R.T. 0.04 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 88 Resp: 24261

Ion	Ratio	Lower	Upper
88	100		
58	92.4	135.6	203.4#
43	20.8	332.3	498.5#
57	0.0	1660.5	2490.7#

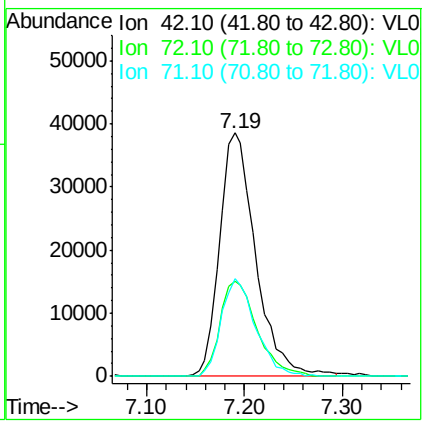




#41
Tetrahydrofuran
Concen: 1.05 ppbv
RT: 7.19 min Scan# 673
Delta R.T. 0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 42 Resp: 98885

Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.4	50.0
71	38.3	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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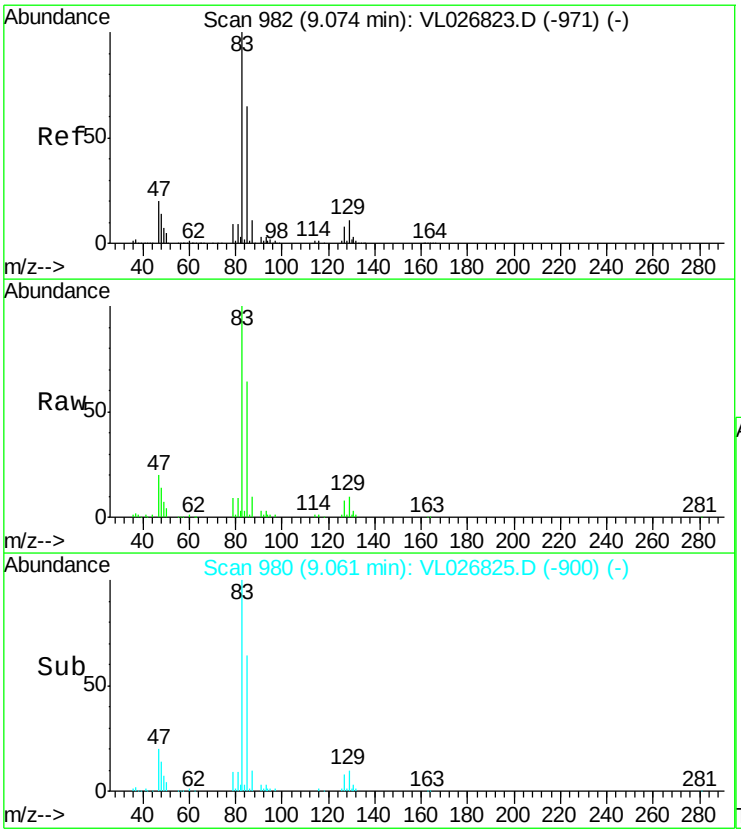
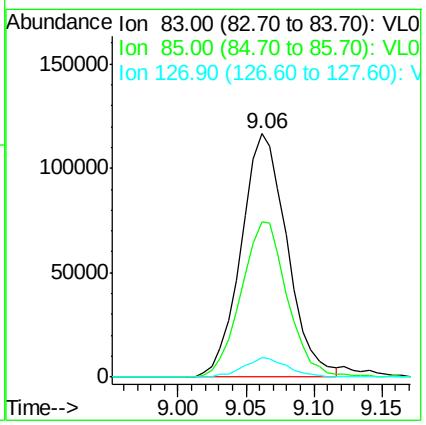
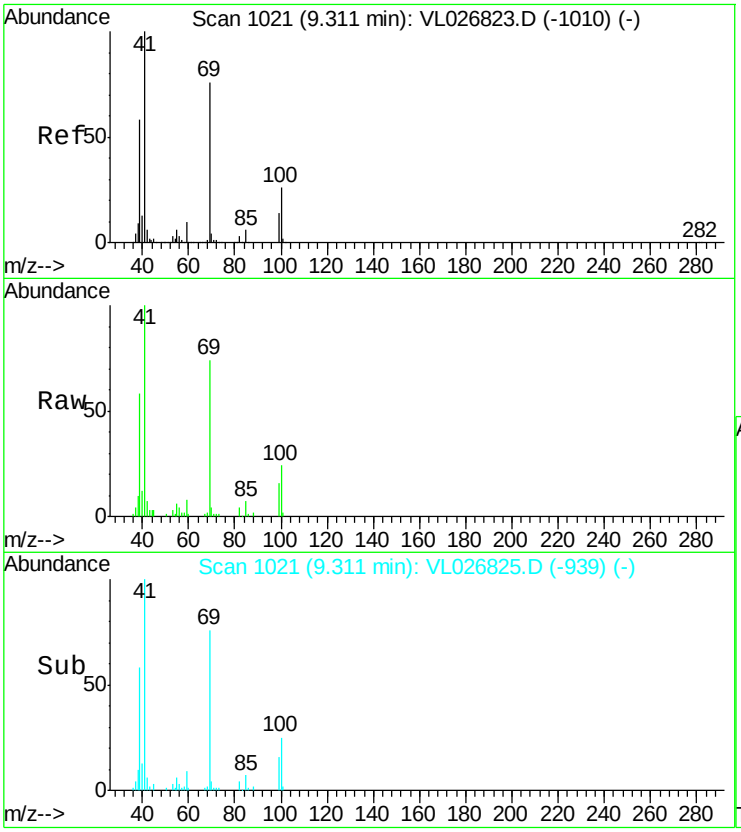


#42
Bromodichloromethane
Concen: 0.66 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 83 Resp: 276649

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	7.9	6.4	9.6

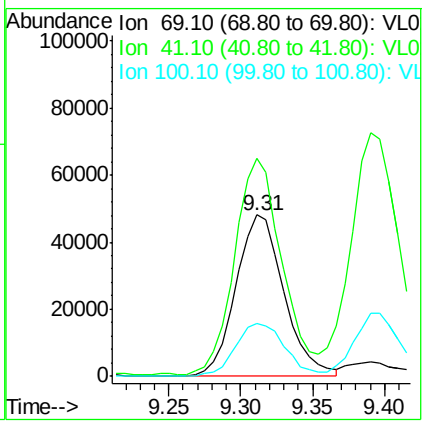




#43
Methyl Methacrylate
Concen: 0.78 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 69 Resp: 111686

Ion	Ratio	Lower	Upper
69	100		
41	131.6	106.5	159.7
100	33.3	27.2	40.8



Instrument :
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ClientSampleId :
VSTDICC001

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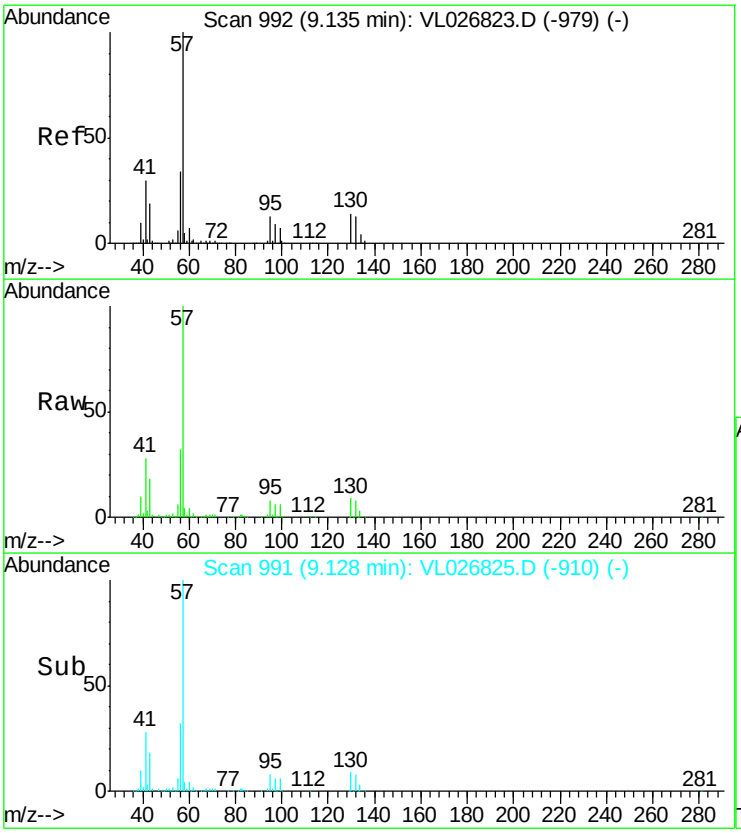
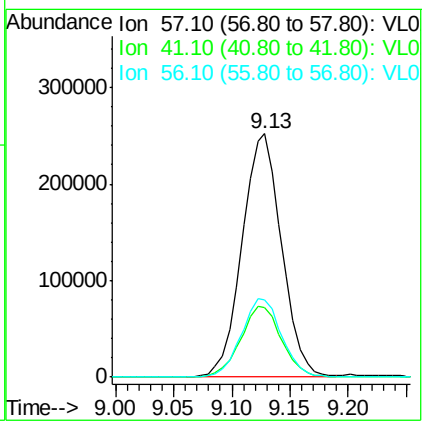
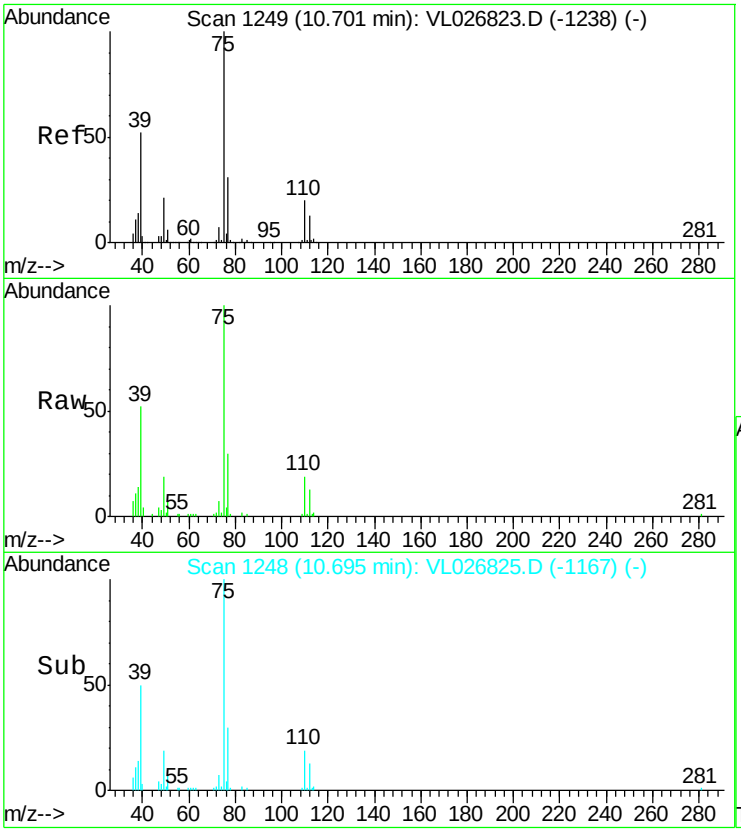


#44
2,2,4-Trimethylpentane
Concen: 1.00 ppbv
RT: 9.13 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 57 Resp: 594030

Ion	Ratio	Lower	Upper
57	100		
41	31.0	23.2	34.8
56	33.1	26.2	39.4





#45
t-1,3-Dichloropropene
Concen: 0.54 ppbv
RT: 10.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 75 Resp: 134090

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.6

Instrument :
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ClientSampleId :
VSTDICC001

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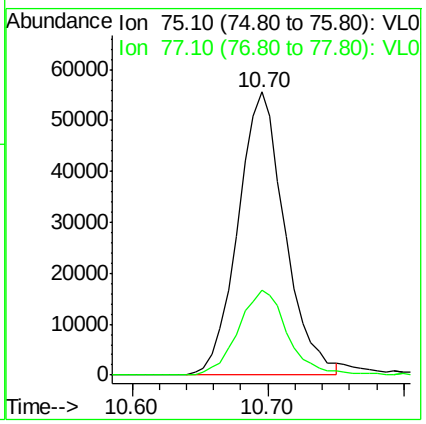
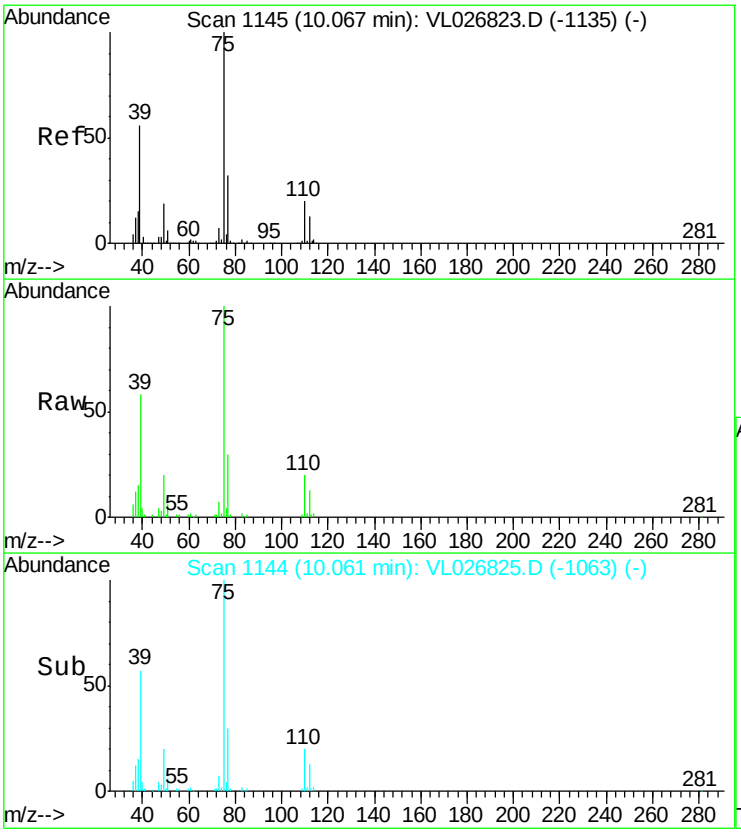
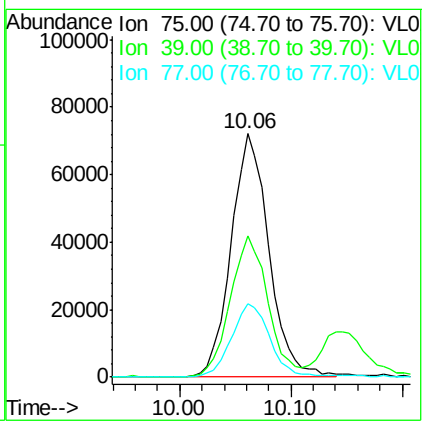


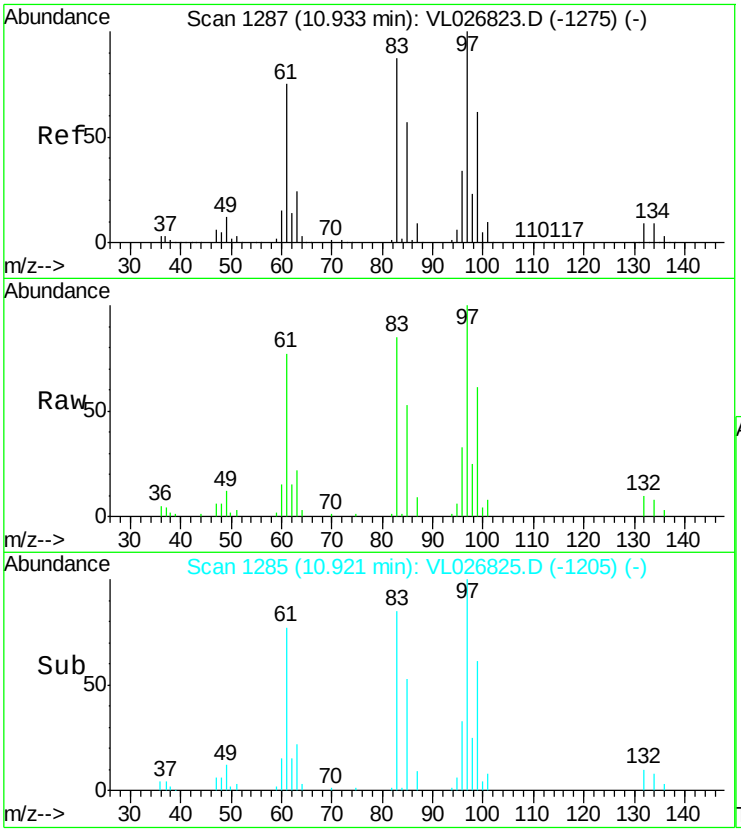


#46
cis-1,3-Dichloropropene
Concen: 0.64 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 75 Resp: 170201

Ion	Ratio	Lower	Upper
75	100		
39	57.8	45.0	67.6
77	30.1	25.2	37.8

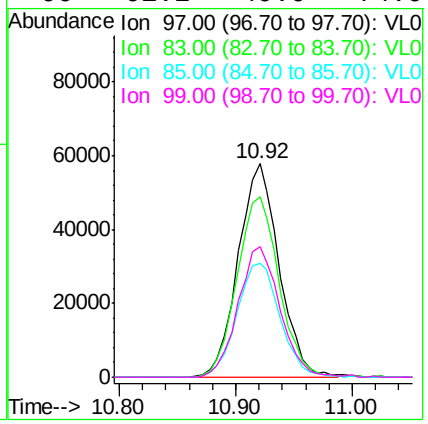




#47
1,1,2-Trichloroethane
Concen: 0.71 ppbv
RT: 10.92 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 97 Resp: 141062

Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.7	104.5
85	53.1	45.3	67.9
99	61.2	49.9	74.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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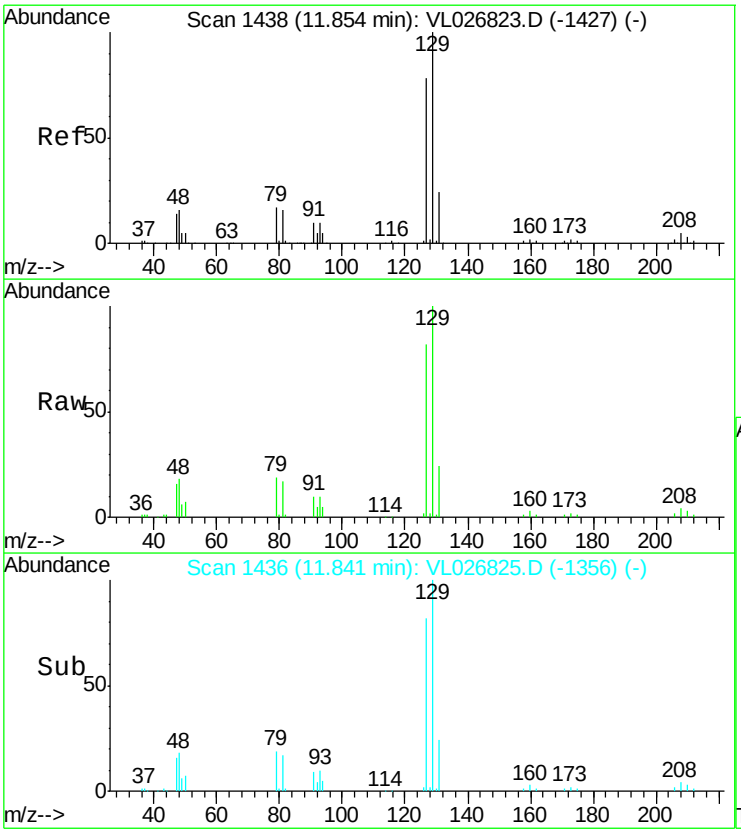
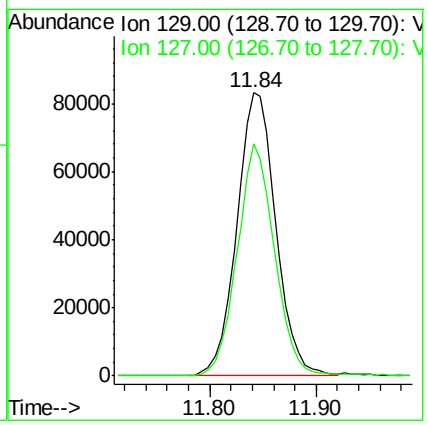
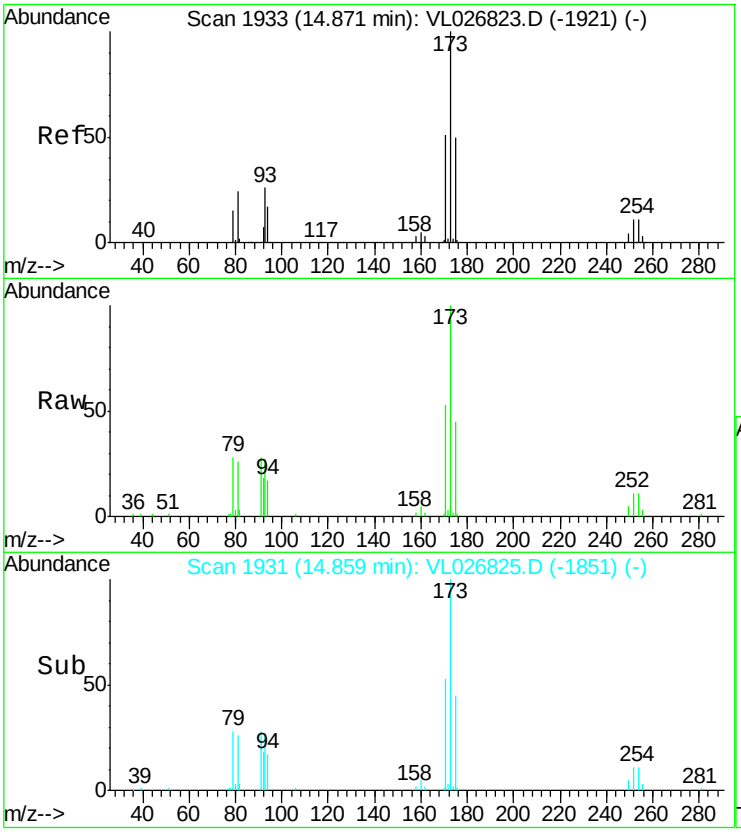


#48
Dibromochloromethane
Concen: 0.57 ppbv
RT: 11.84 min Scan# 1436
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:129 Resp: 213504

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.6	119.0

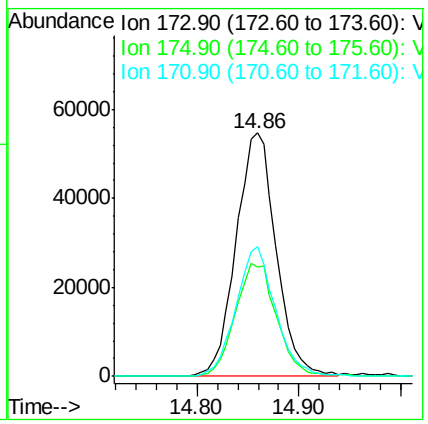




#49
Bromoform
Concen: 0.46 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:173 Resp: 149387

Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.2	58.8
171	52.3	41.4	62.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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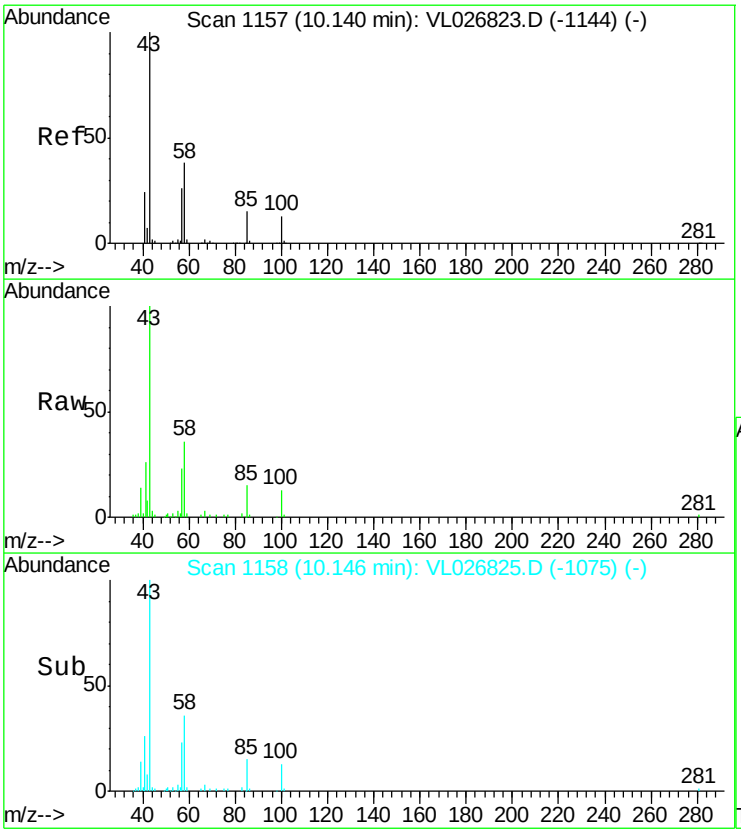
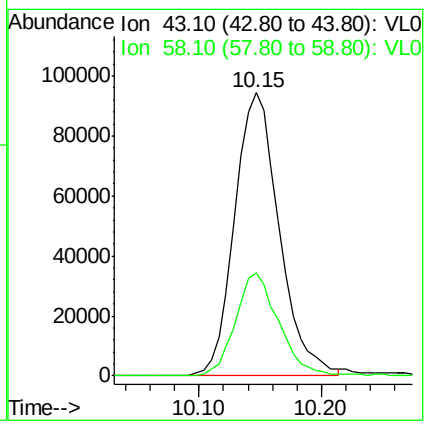
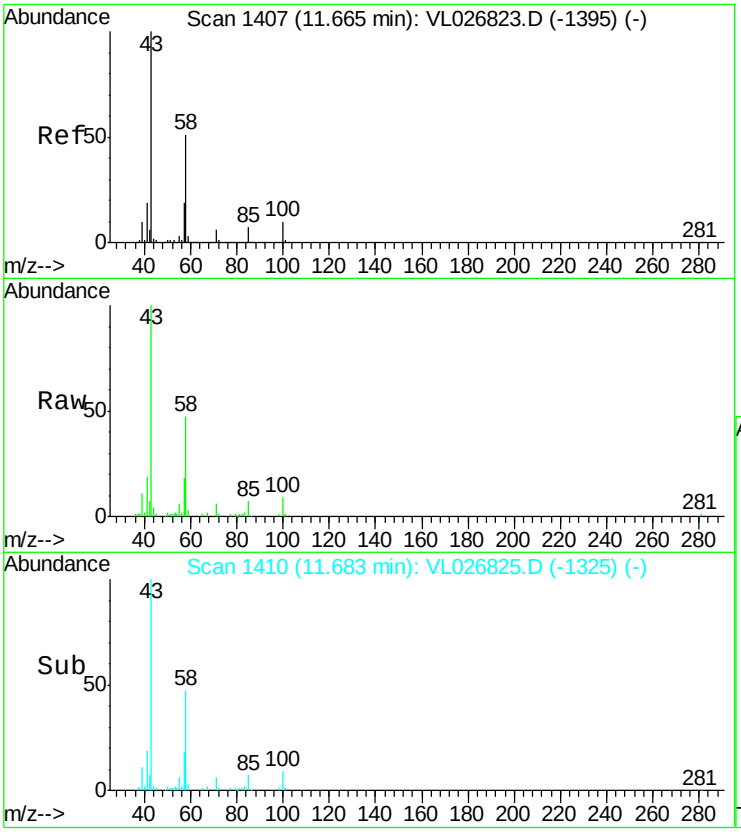


#50
4-Methyl-2-Pentanone
Concen: 0.83 ppbv
RT: 10.15 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 239594

Ion	Ratio	Lower	Upper
43	100		
58	35.4	30.3	45.5





#51
2-Hexanone
Concen: 0.67 ppbv
RT: 11.68 min Scan# 1410
Delta R.T. 0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 185201

Ion	Ratio	Lower	Upper
43	100		
58	48.6	40.4	60.6
98	1.0	0.2	0.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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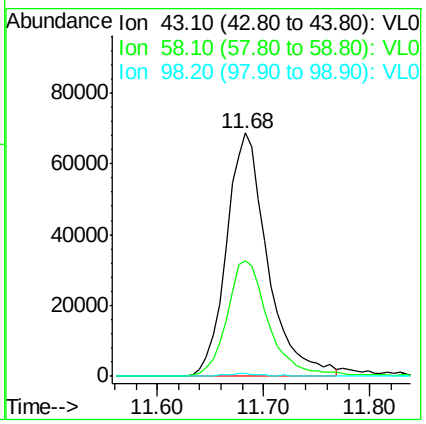
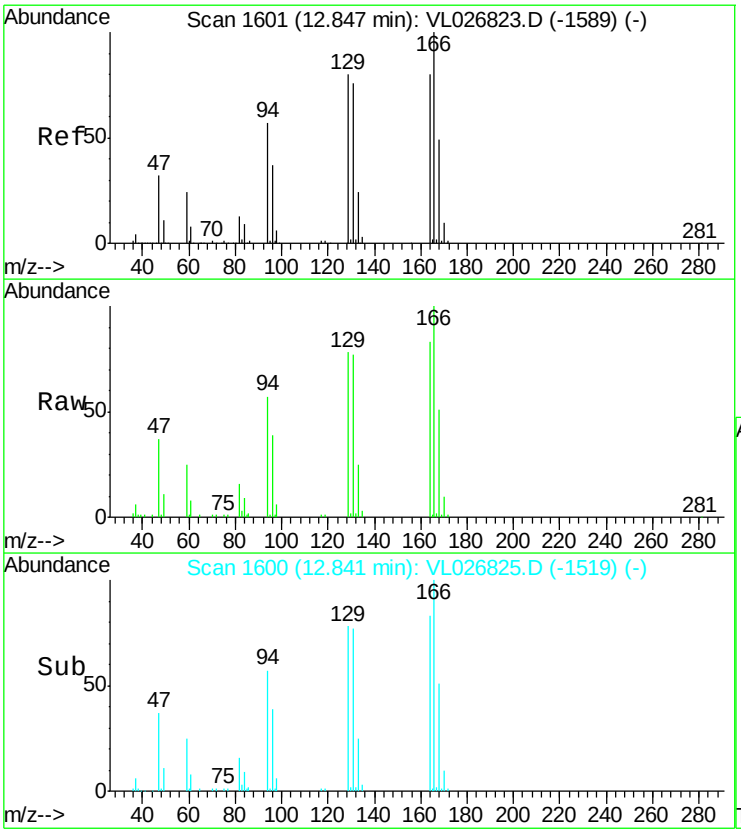
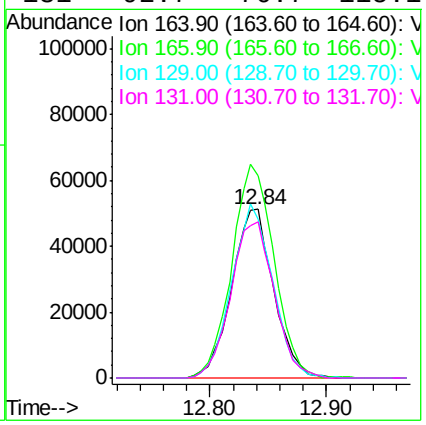


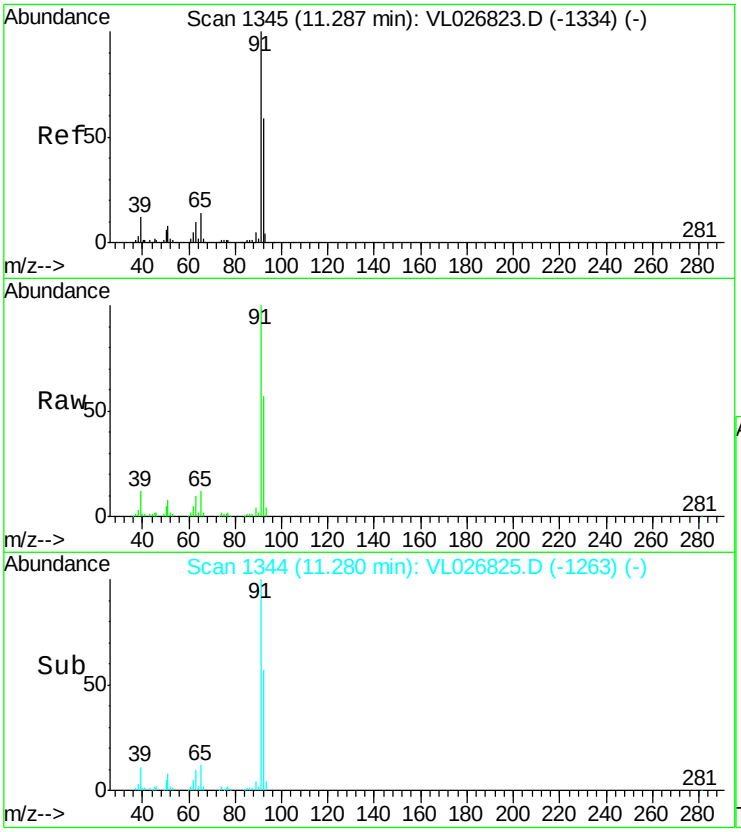


#52
Tetrachloroethene
Concen: 0.61 ppbv
RT: 12.84 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:164 Resp: 128623

Ion	Ratio	Lower	Upper
164	100		
166	119.9	100.3	150.5
129	93.7	80.0	120.0
131	92.7	76.7	115.1





#53
Toluene
Concen: 0.66 ppbv
RT: 11.28 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 360121

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.3	70.9

Instrument :
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ClientSampleId :
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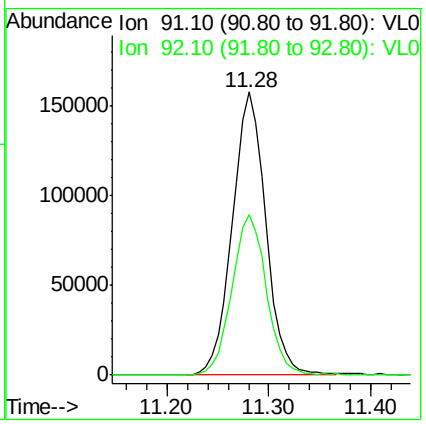
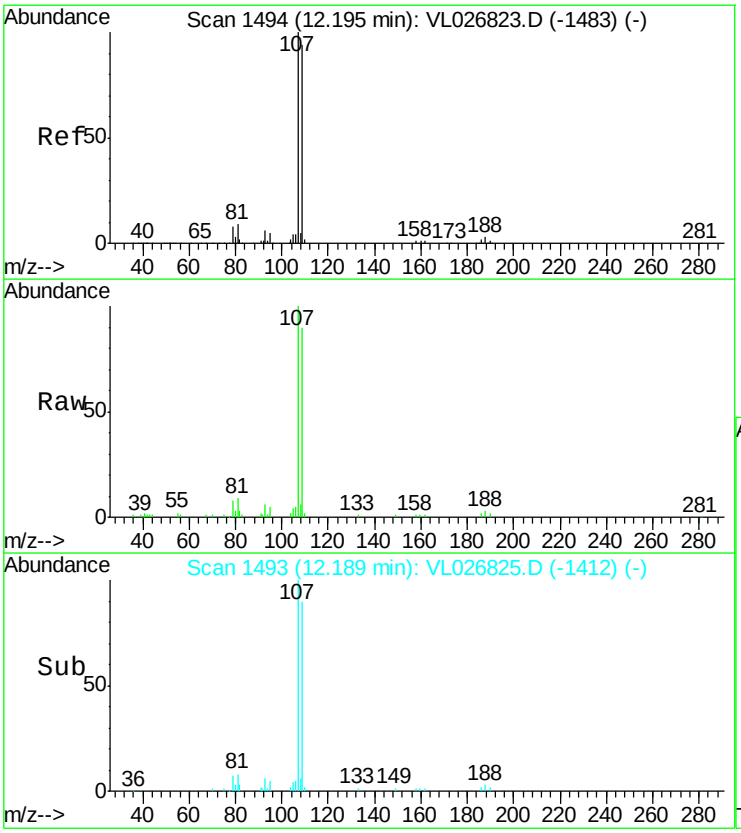
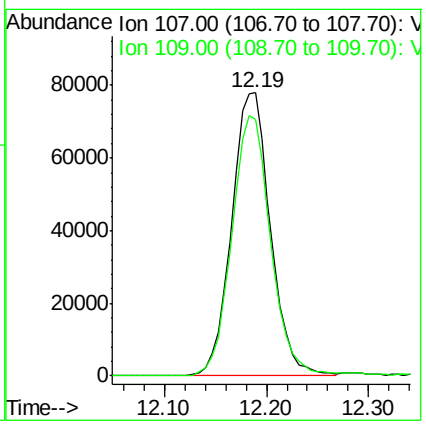


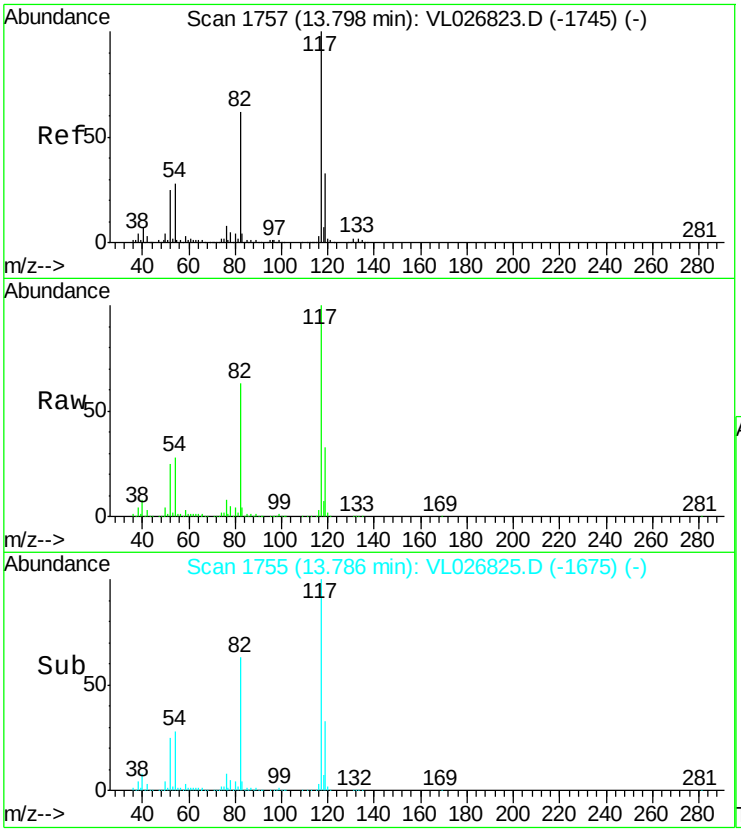


#54
1,2-Dibromoethane
Concen: 0.61 ppbv
RT: 12.19 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:107 Resp: 205296

Ion	Ratio	Lower	Upper
107	100		
109	90.5	75.0	112.4

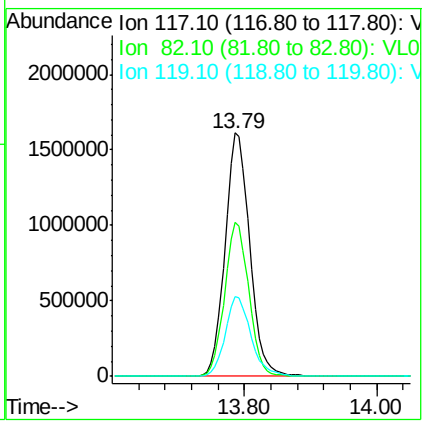




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:117 Resp: 4177759

Ion	Ratio	Lower	Upper
117	100		
82	62.4	51.9	77.9
119	34.3	48.5	72.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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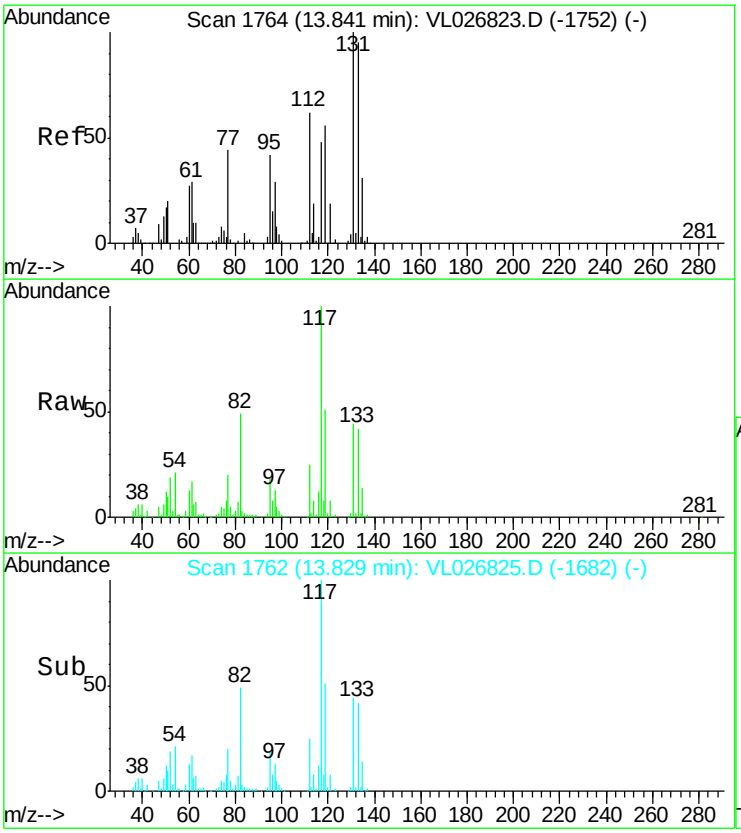
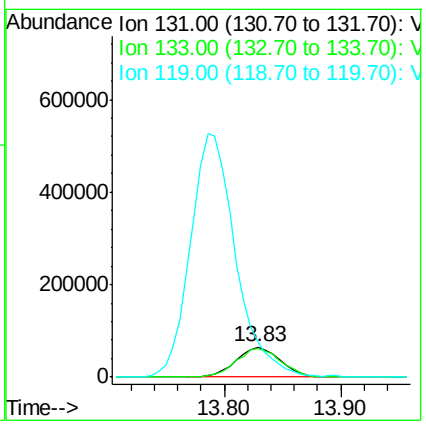
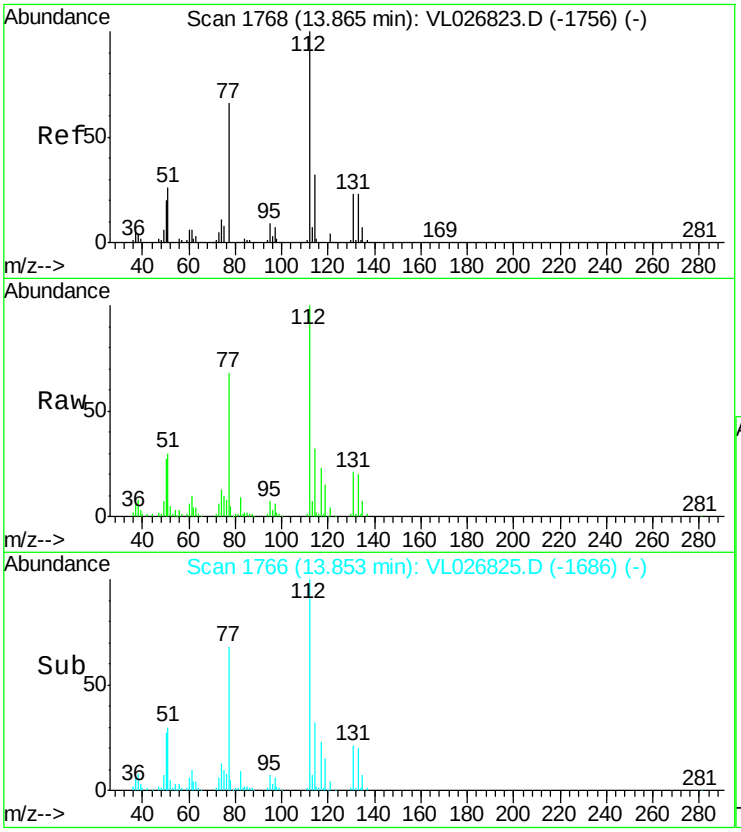


#56
1,1,1,2-Tetrachloroethane
Concen: 0.78 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:131 Resp: 171421

Ion	Ratio	Lower	Upper
131	100		
133	97.1	76.4	114.6
119	835.5	99.8	149.8#

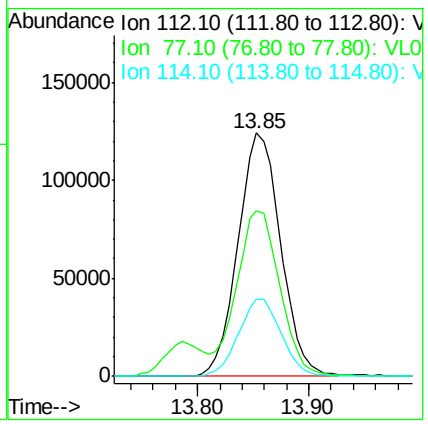




#57
Chlorobenzene
Concen: 0.78 ppbv
RT: 13.85 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:112 Resp: 331249

Ion	Ratio	Lower	Upper
112	100		
77	67.1	53.3	79.9
114	31.5	28.9	35.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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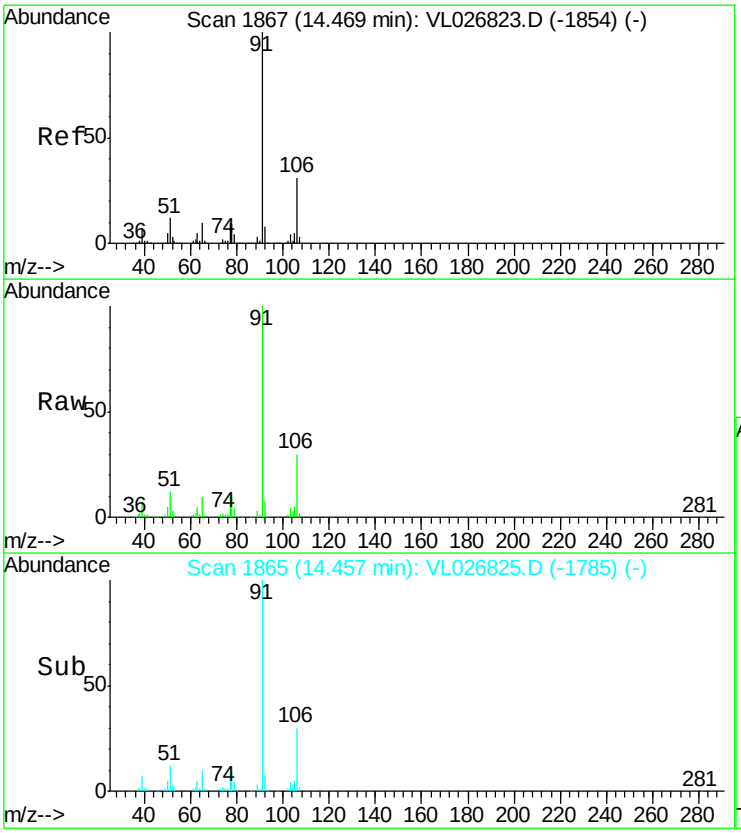
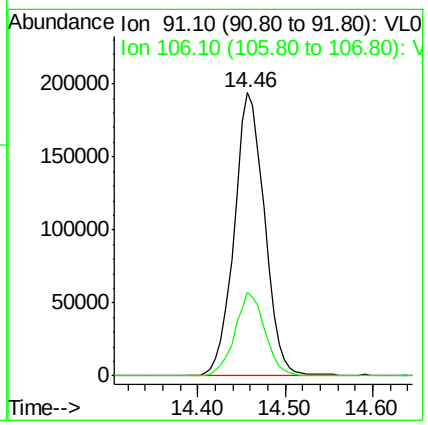
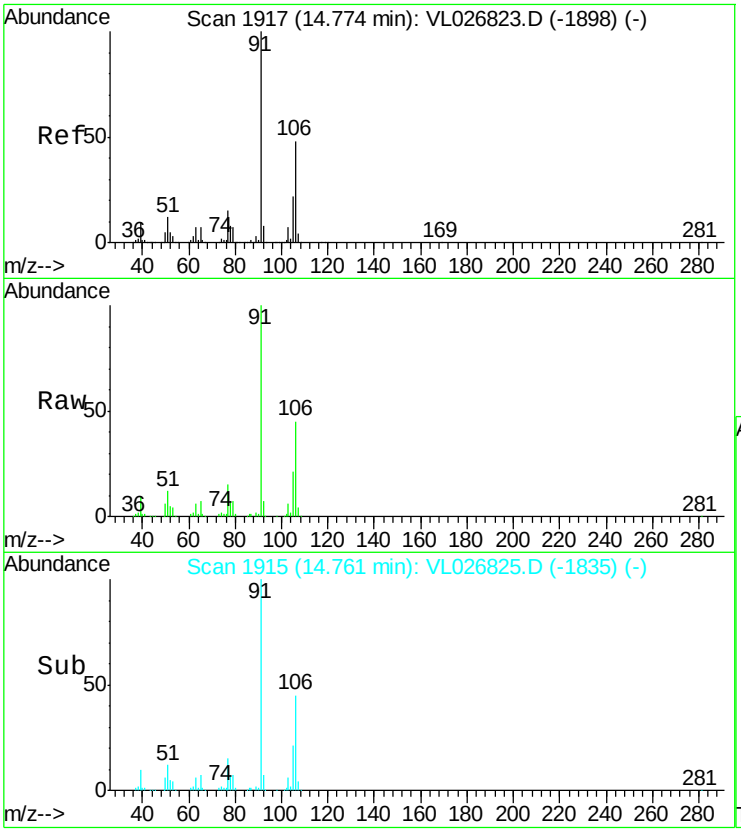


#58
Ethyl Benzene
Concen: 0.69 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 468957

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.9	37.3

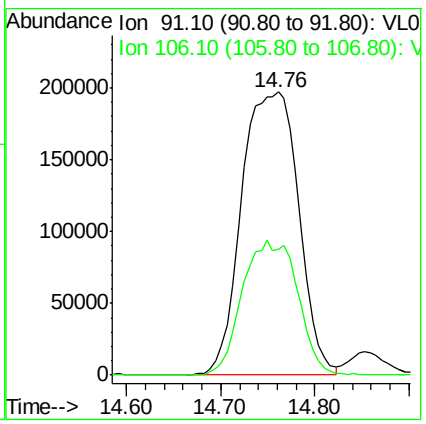




#59
m/p-Xylene
Concen: 1.39 ppbv
RT: 14.76 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 831759

Ion	Ratio	Lower	Upper
91	100		
106	46.3	38.2	57.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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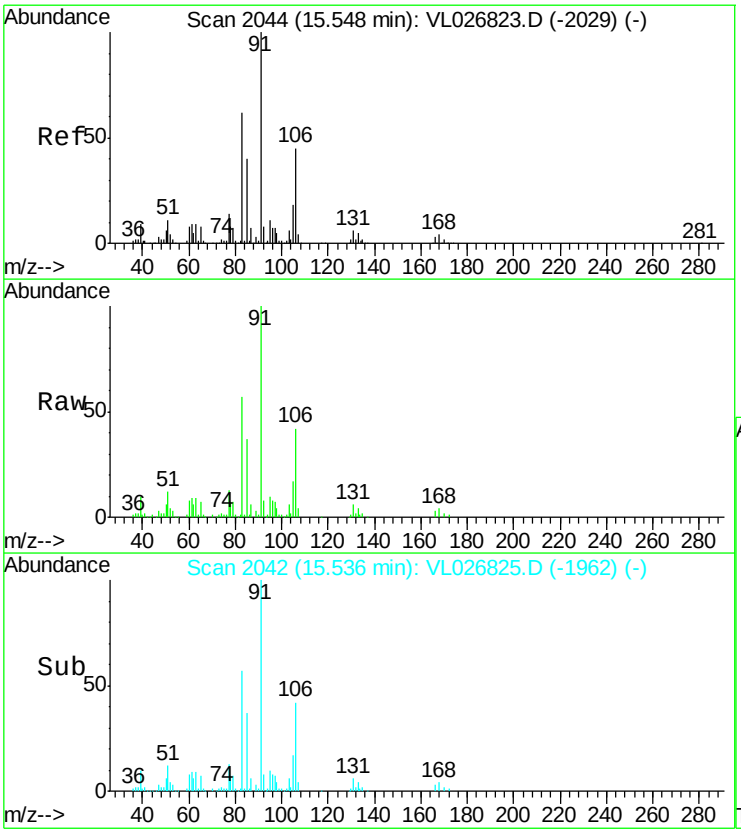
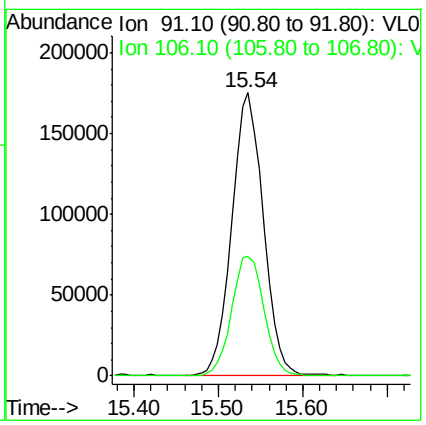
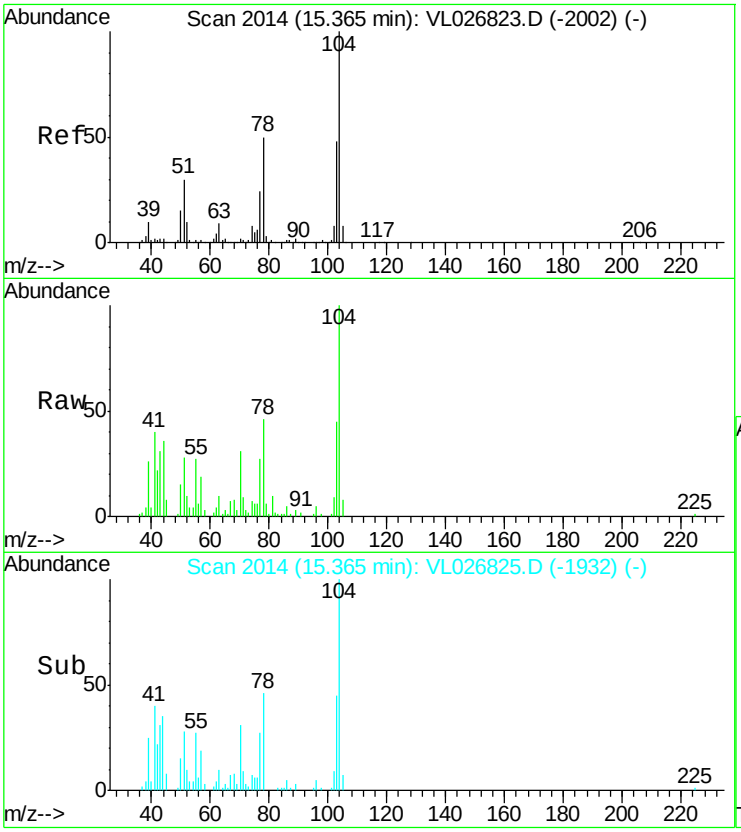


#60
o-Xylene
Concen: 0.67 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 443938

Ion	Ratio	Lower	Upper
91	100		
106	43.6	22.3	66.8

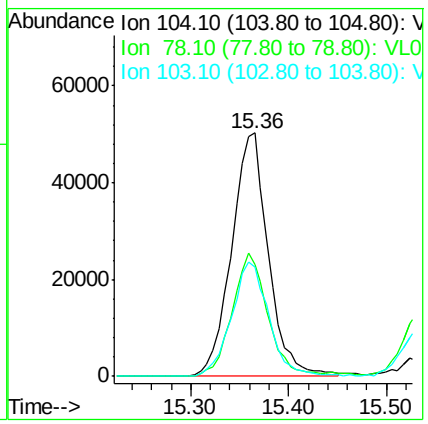




#61
Stvrene
Concen: 0.55 ppbv
RT: 15.36 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:104 Resp: 130902

Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.8	59.6
103	47.7	38.2	57.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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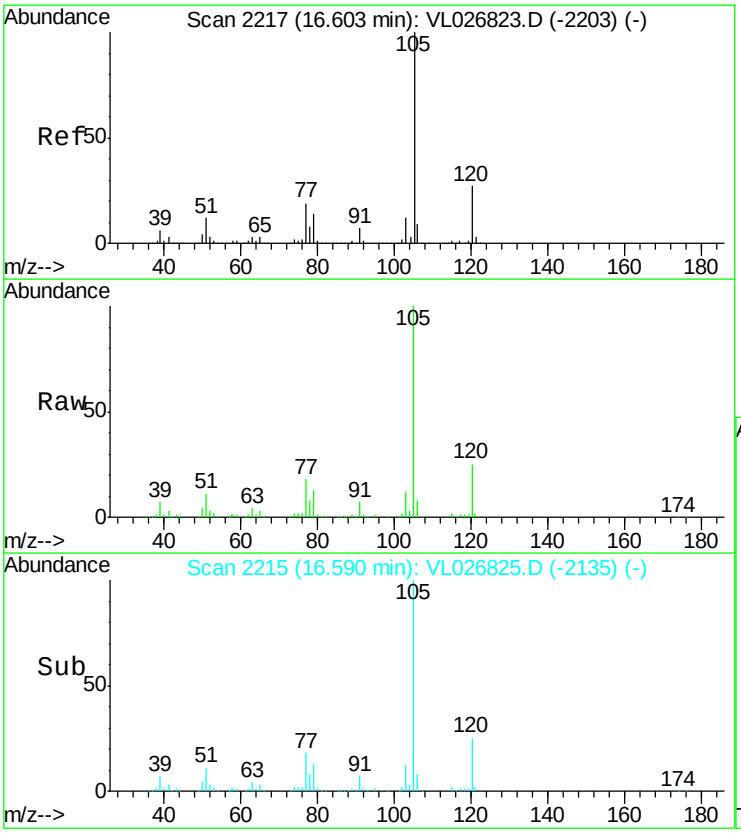
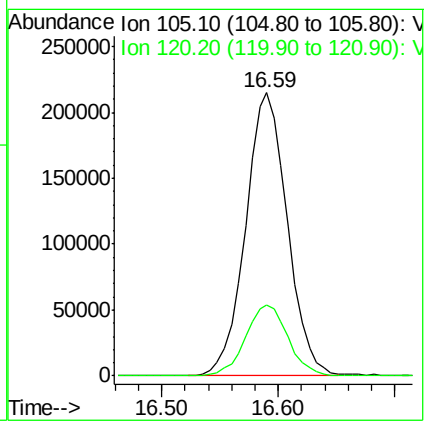
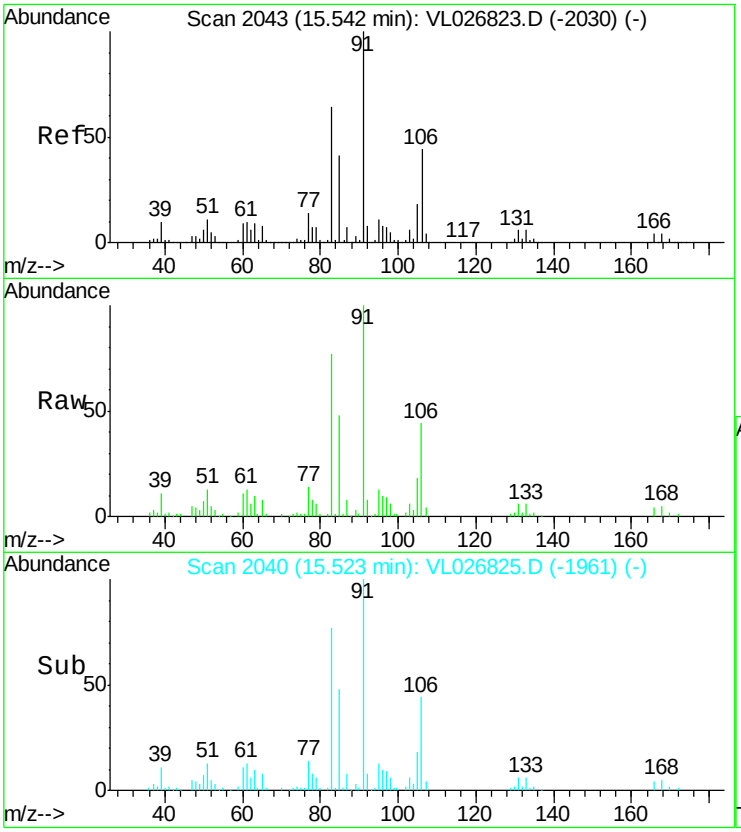


#62
Isopropylbenzene
Concen: 0.62 ppbv
RT: 16.59 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 536107

Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.0	31.4

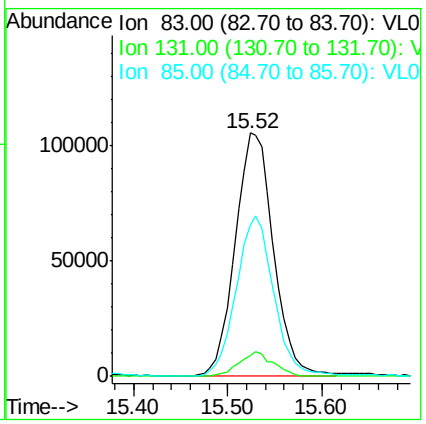




#63
1,1,2,2-Tetrachloroethane
Concen: 0.70 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 83 Resp: 300886

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.1
85	64.8	32.3	96.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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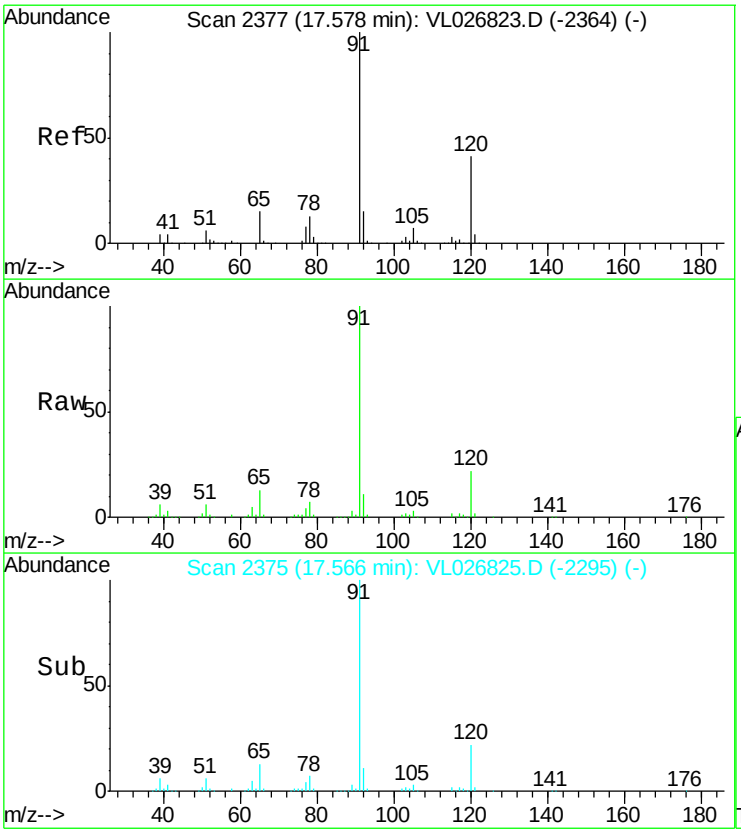
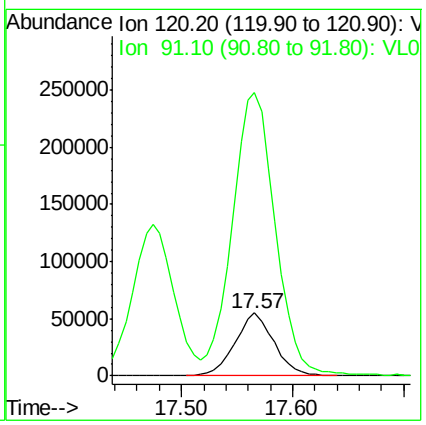
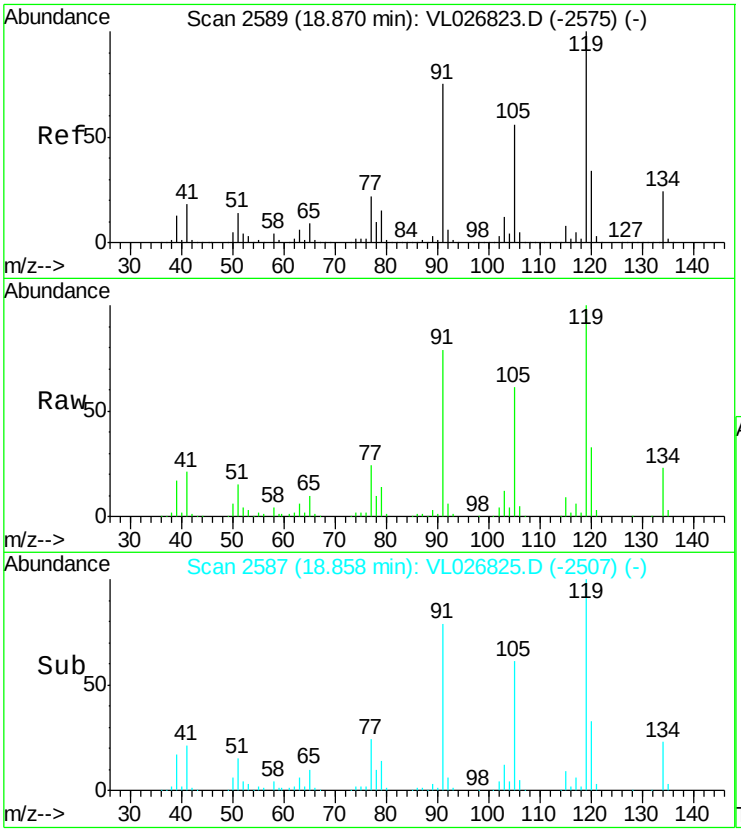


#64
n-propylbenzene
Concen: 0.55 ppbv
RT: 17.57 min Scan# 2375
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:120 Resp: 133737

Ion	Ratio	Lower	Upper
120	100		
91	492.9	363.0	544.6

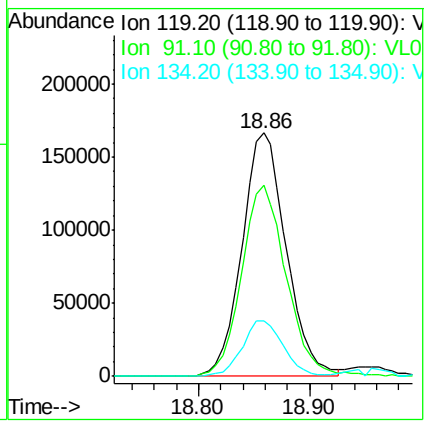




#65
tert-Butylbenzene
Concen: 0.53 ppbv
RT: 18.86 min Scan# 2587
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:119 Resp: 459826

Ion	Ratio	Lower	Upper
119	100		
91	80.0	61.5	92.3
134	21.5	17.9	26.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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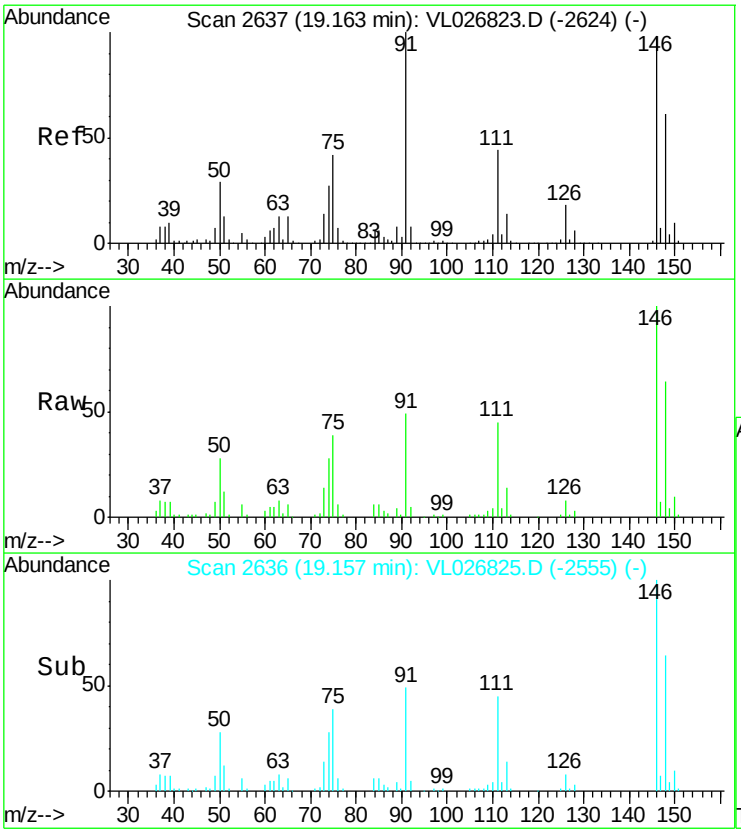
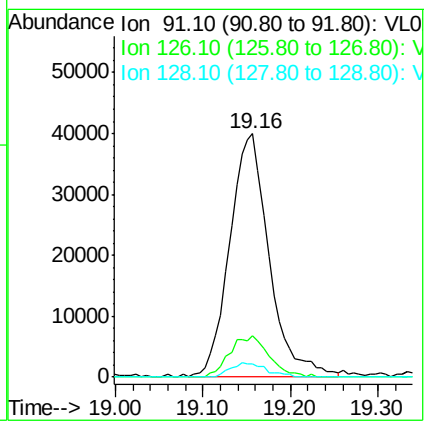
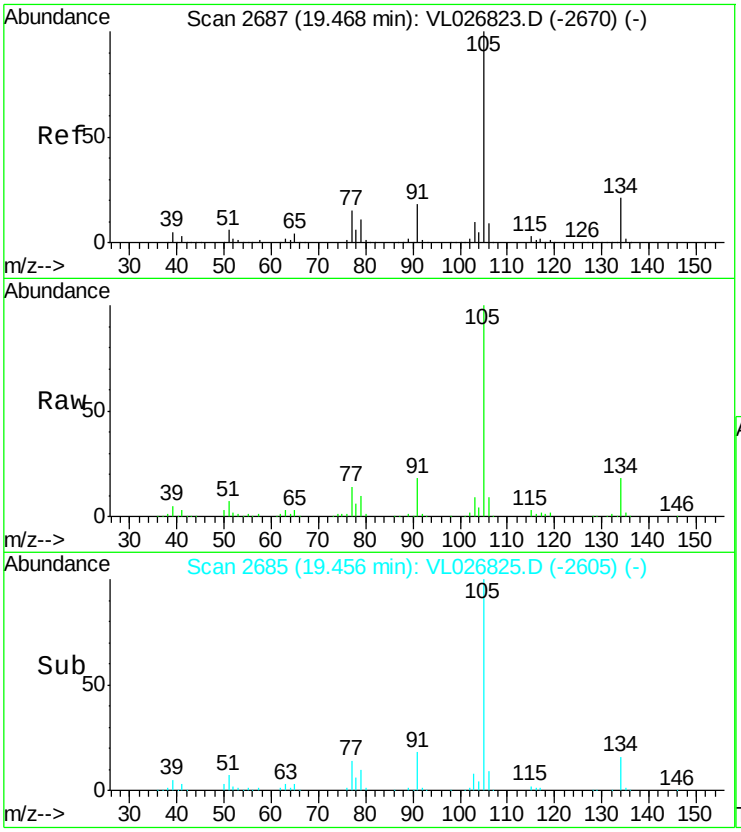


#66
Benzyl Chloride
Concen: 0.38 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 125507

Ion	Ratio	Lower	Upper
91	100		
126	16.7	14.6	21.8
128	5.3	4.6	6.8

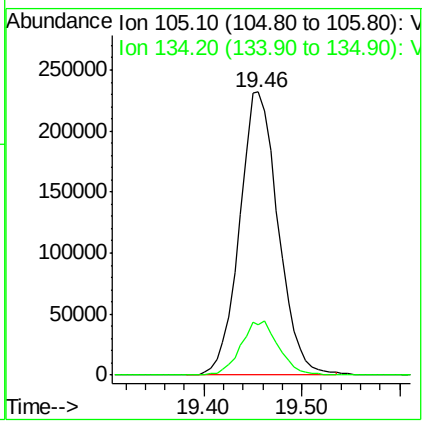




#67
sec-Butylbenzene
Concen: 0.50 ppbv
RT: 19.46 min Scan# 2685
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 635222

Ion	Ratio	Lower	Upper
105	100		
134	18.8	16.1	24.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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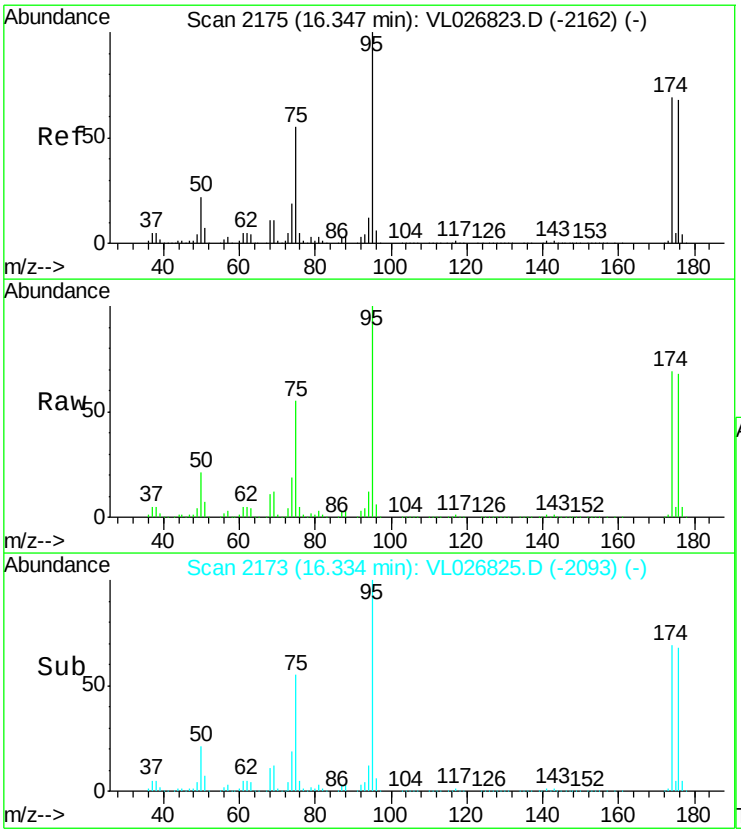
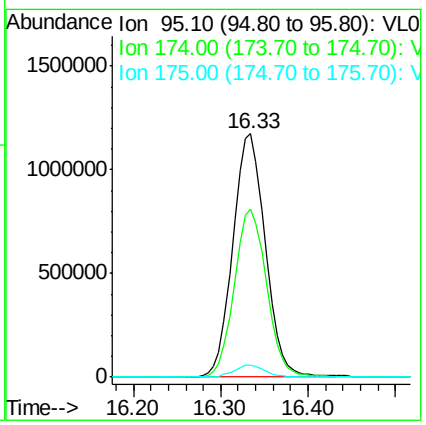
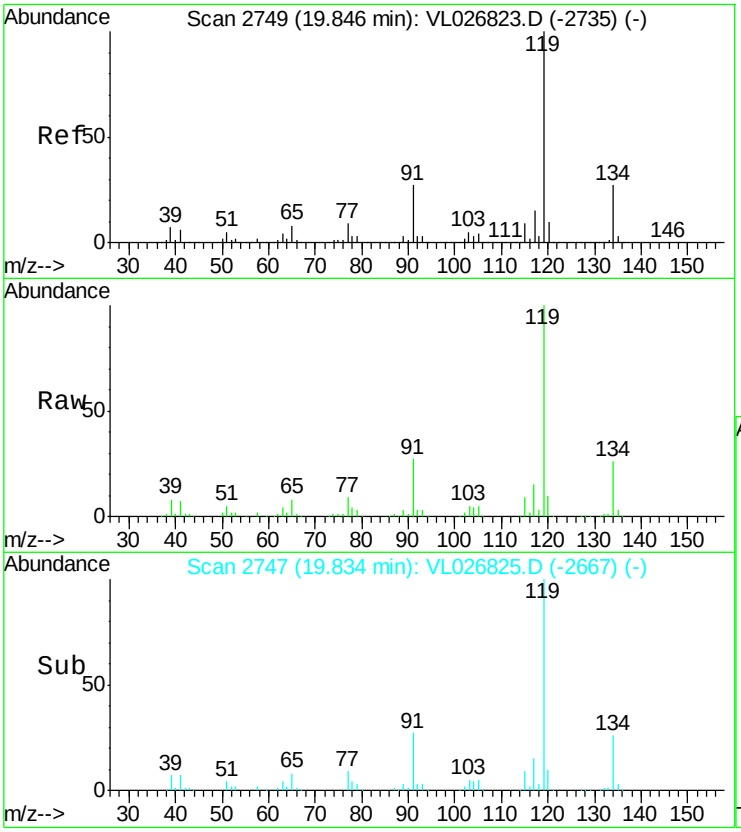


#68
1-Bromo-4-Fluorobenzene
Concen: 8.56 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 95 Resp: 3035247

Ion	Ratio	Lower	Upper
95	100		
174	69.1	55.6	83.4
175	4.9	3.9	5.9

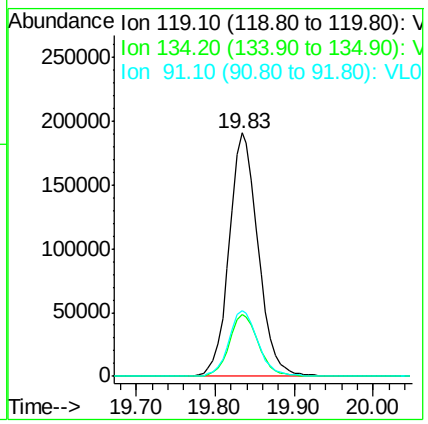




#69
p-Isopropyltoluene
Concen: 0.47 ppbv
RT: 19.83 min Scan# 2747
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:119 Resp: 487332

Ion	Ratio	Lower	Upper
119	100		
134	25.6	21.3	31.9
91	27.5	21.5	32.3



Instrument :
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ClientSampleId :
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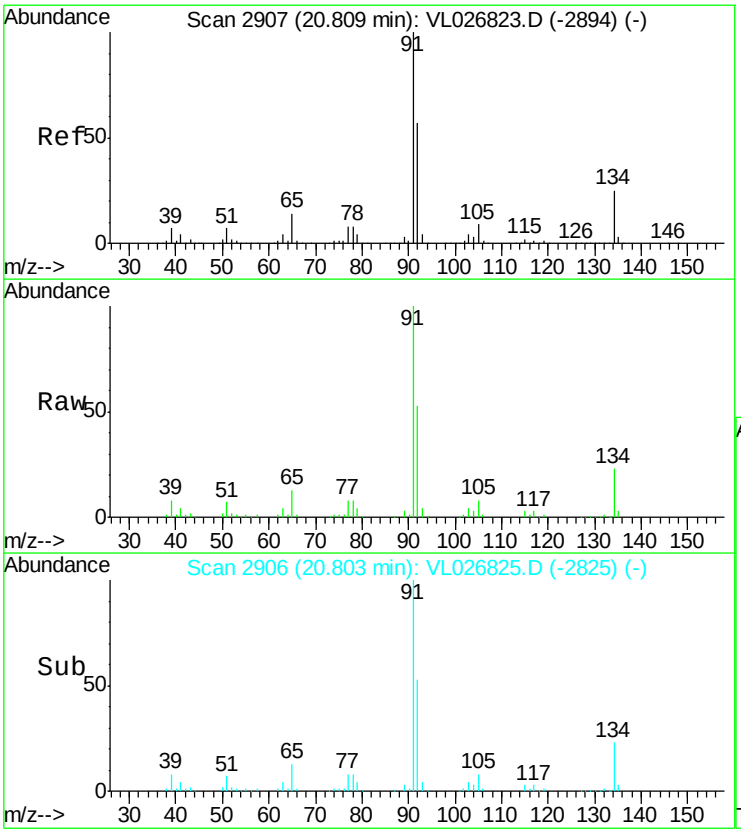
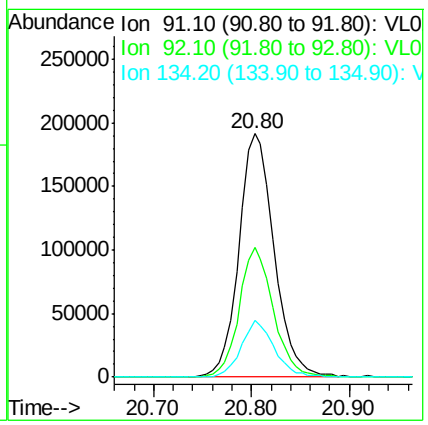
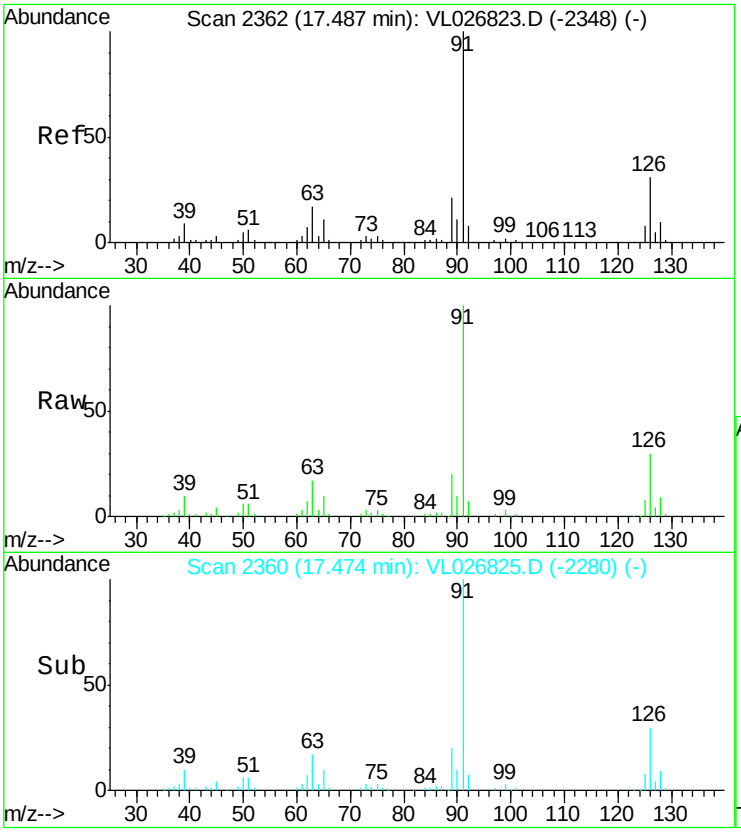


#70
n-Butylbenzene
Concen: 0.45 ppbv
RT: 20.80 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 478075

Ion	Ratio	Lower	Upper
91	100		
92	51.8	44.2	66.4
134	21.9	19.3	28.9

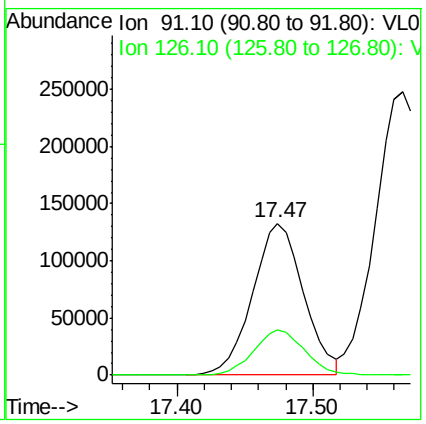




#71
2-Chlorotoluene
Concen: 0.52 ppbv
RT: 17.47 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 347074

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.2	48.8



Instrument :
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ClientSampleId :
VSTDICC001

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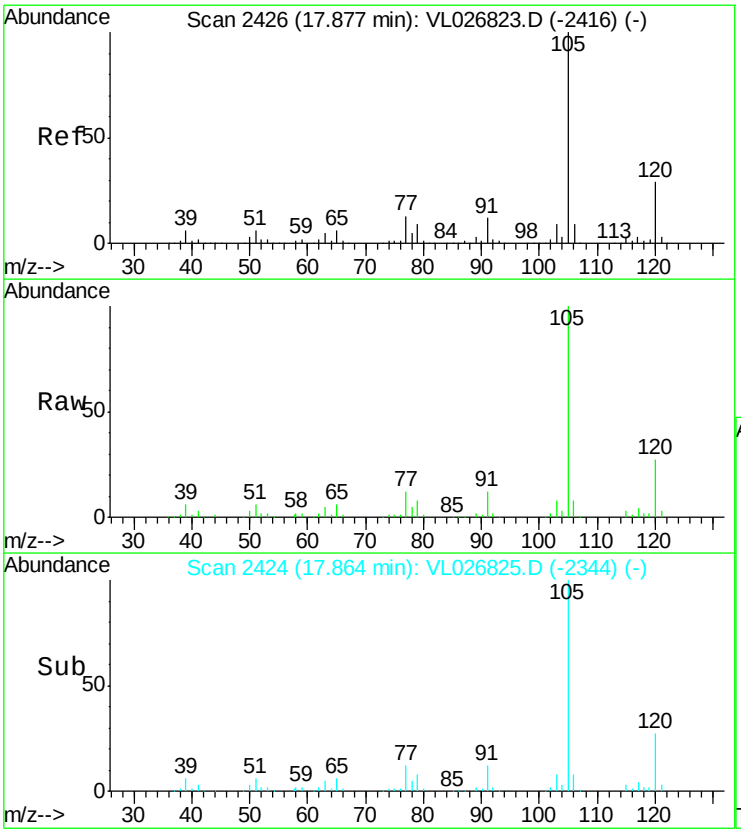
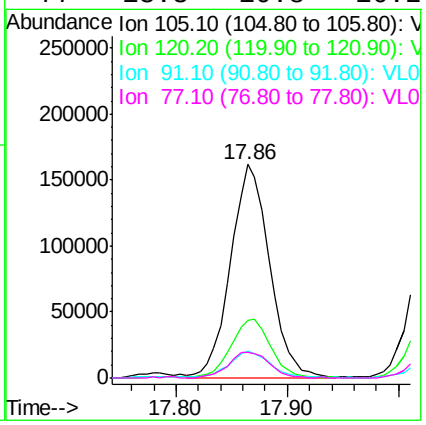
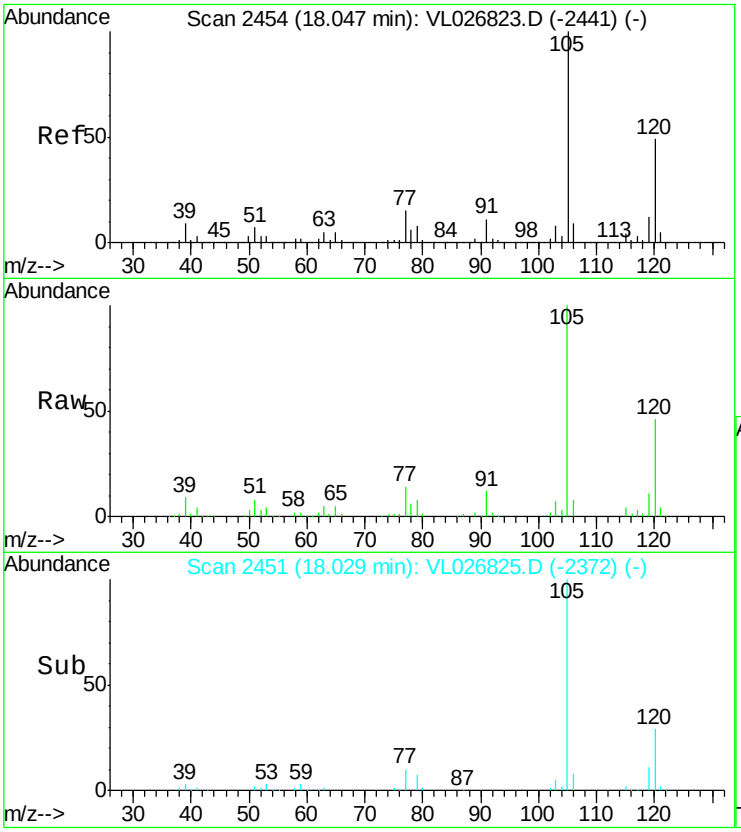


#72
4-Ethyltoluene
Concen: 0.52 ppbv
RT: 17.86 min Scan# 2424
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 395021

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.8	35.6
91	14.0	10.2	15.4
77	13.3	10.8	16.2

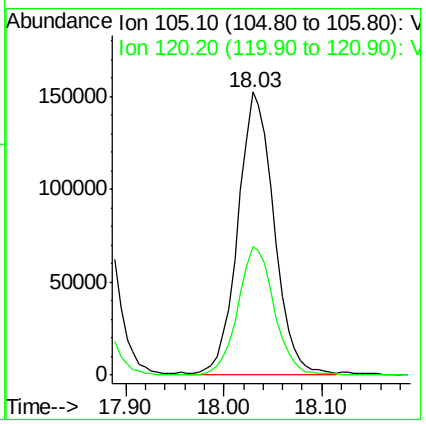




#73
1,3,5-Trimethylbenzene
Concen: 0.53 ppbv
RT: 18.03 min Scan# 2451
Delta R.T. -0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 391350

Ion	Ratio	Lower	Upper
105	100		
120	45.8	39.4	59.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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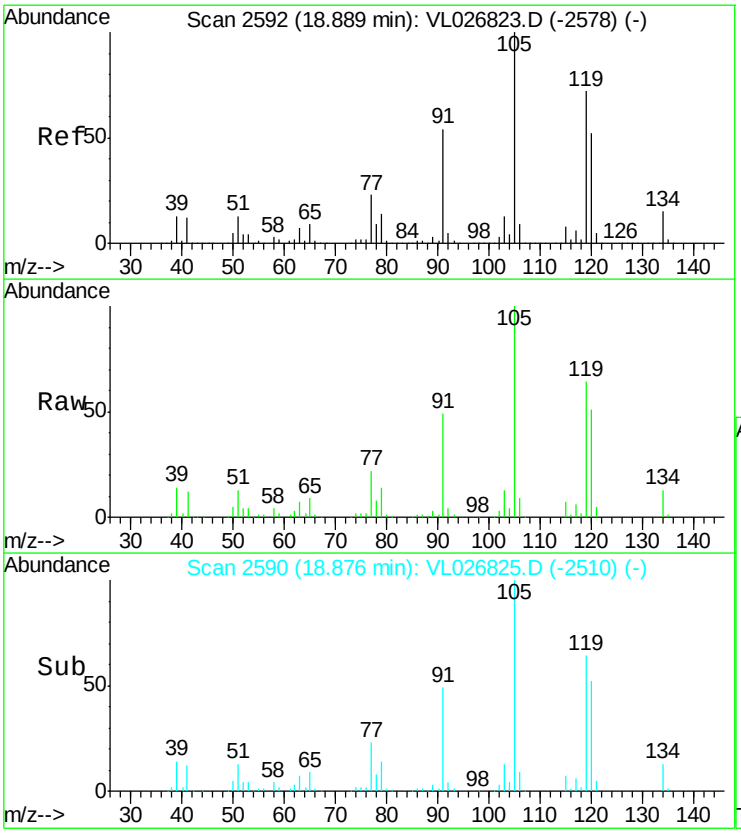
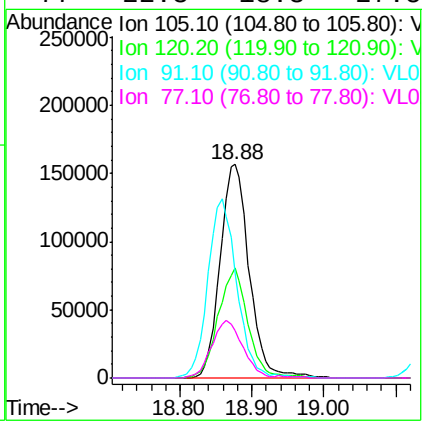
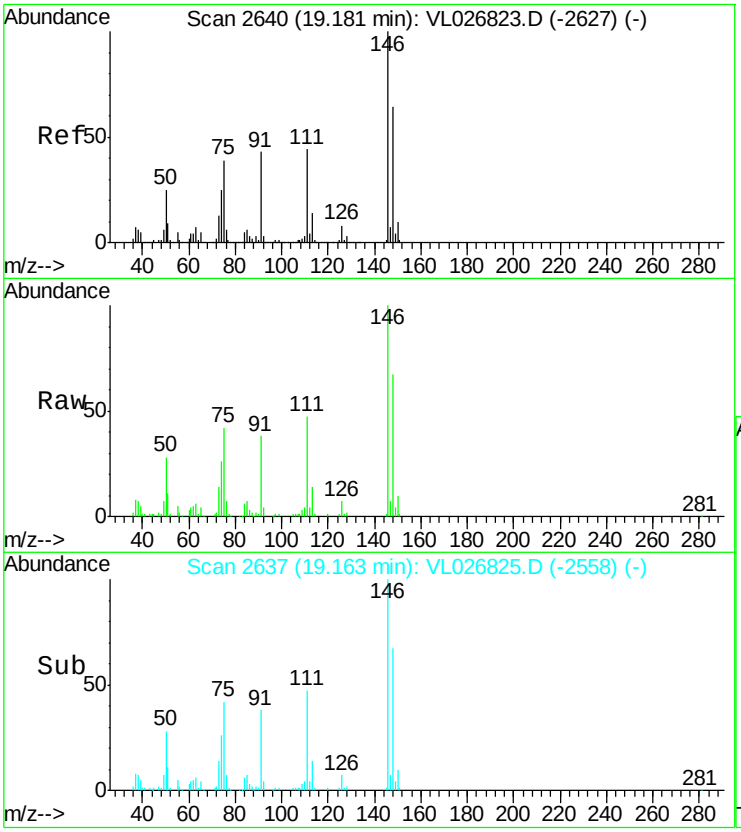


#74
1,2,4-Trimethylbenzene
Concen: 0.54 ppbv
RT: 18.88 min Scan# 2590
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 440629

Ion	Ratio	Lower	Upper
105	100		
120	51.3	41.3	61.9
91	48.7	43.3	64.9
77	22.3	18.3	27.5

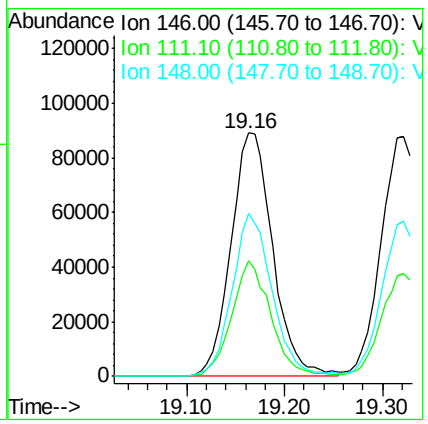




#75
1,3-Dichlorobenzene
Concen: 0.49 ppbv
RT: 19.16 min Scan# 2637
Delta R.T. -0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:146 Resp: 263758

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	63.9	32.2	96.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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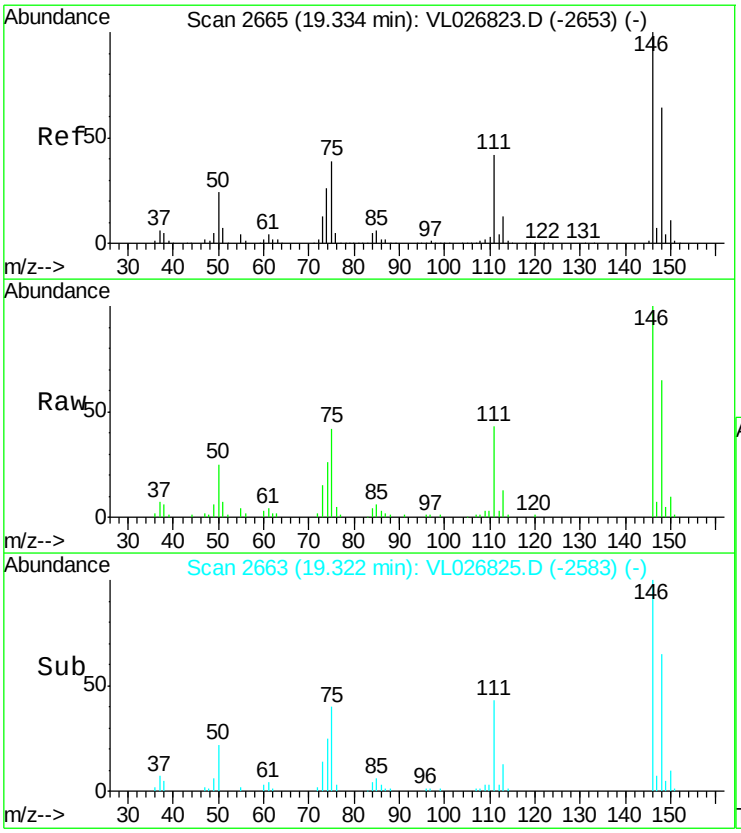
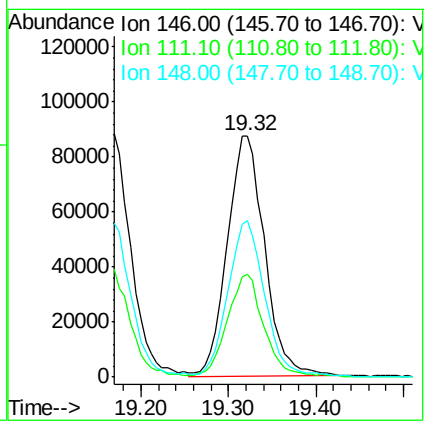
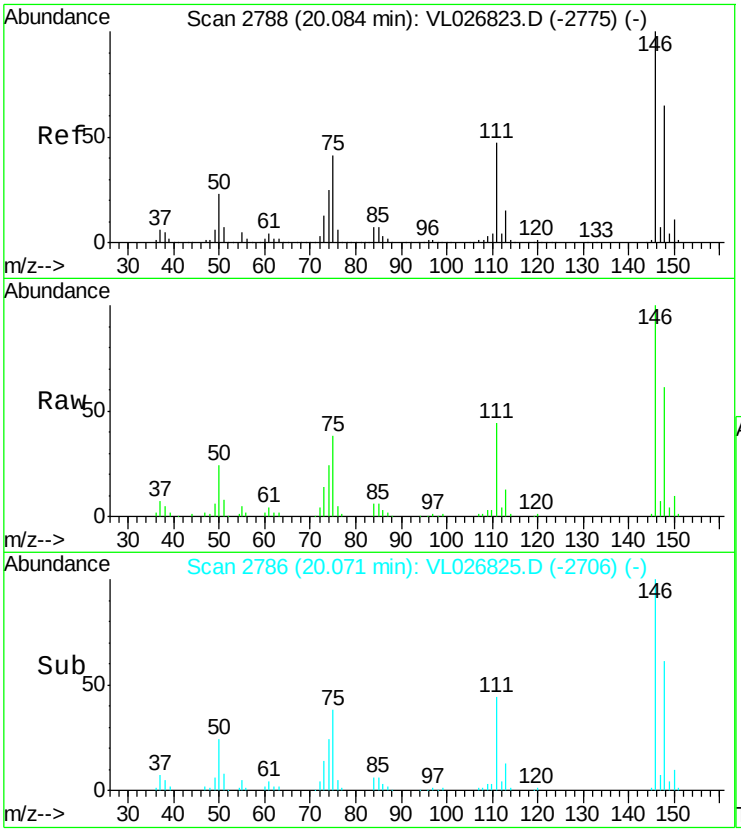


#76
1,4-Dichlorobenzene
Concen: 0.48 ppbv
RT: 19.32 min Scan# 2663
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:146 Resp: 258377

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.8
148	65.2	32.2	96.6

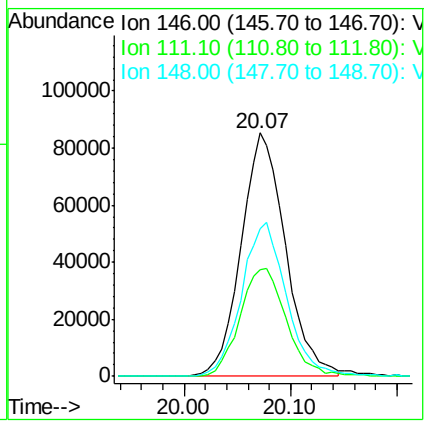




#77
1,2-Dichlorobenzene
Concen: 0.44 ppbv
RT: 20.07 min Scan# 2786
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:146 Resp: 248754

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.1	69.3
148	64.3	32.1	96.5



Instrument :
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ClientSampleId :
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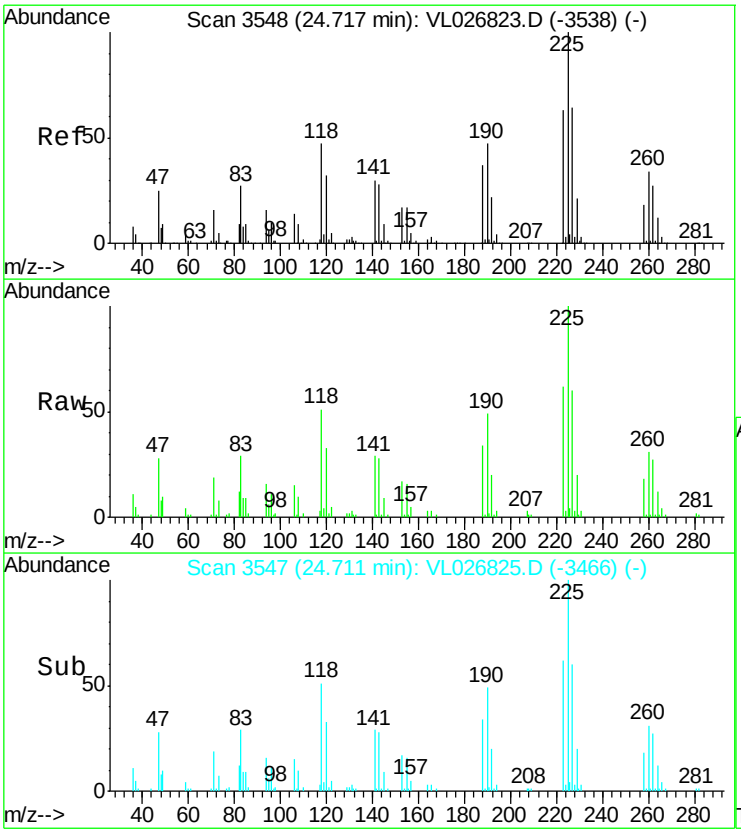
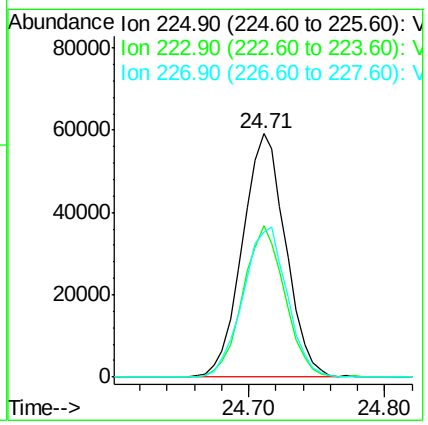
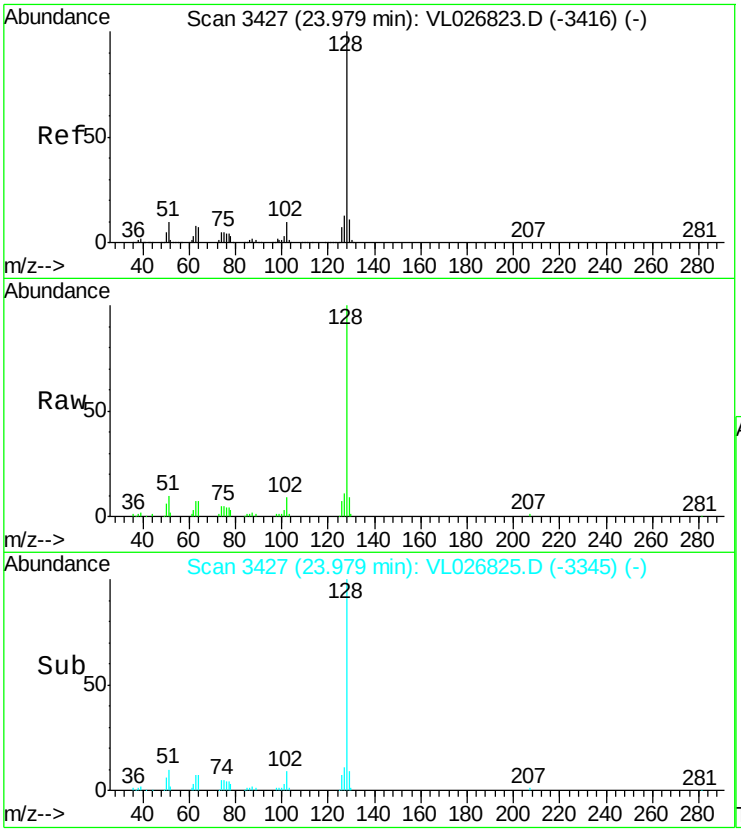


#78
Hexachloro-1,3-Butadiene
Concen: 0.48 ppbv
RT: 24.71 min Scan# 3547
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:225 Resp: 131736

Ion	Ratio	Lower	Upper
225	100		
223	59.9	50.2	75.2
227	62.8	52.1	78.1

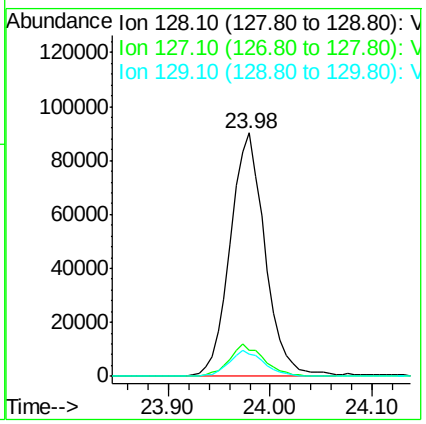




#79
Naphthalene
Concen: 0.30 ppbv
RT: 23.98 min Scan# 3427
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:128 Resp: 213944

Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.0	15.0
129	9.1	8.7	13.1



Instrument :
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ClientSampleId :
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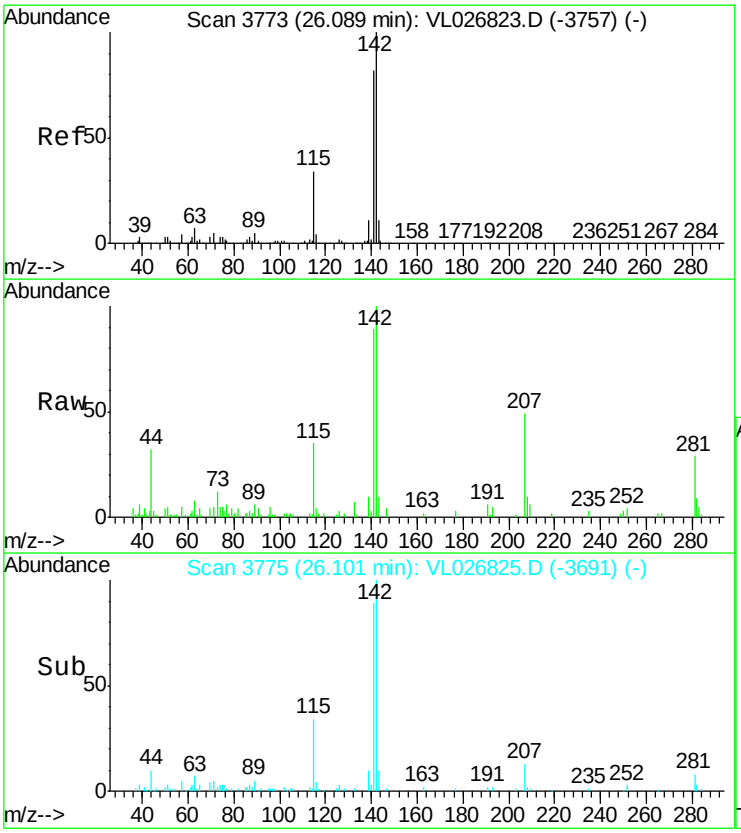
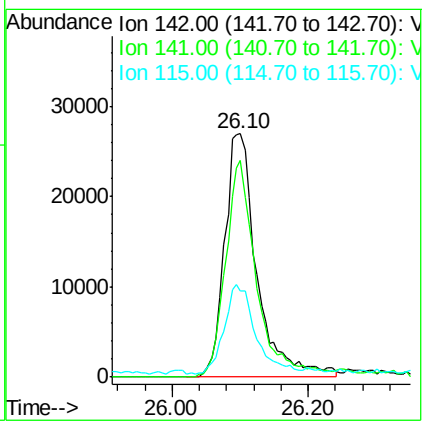
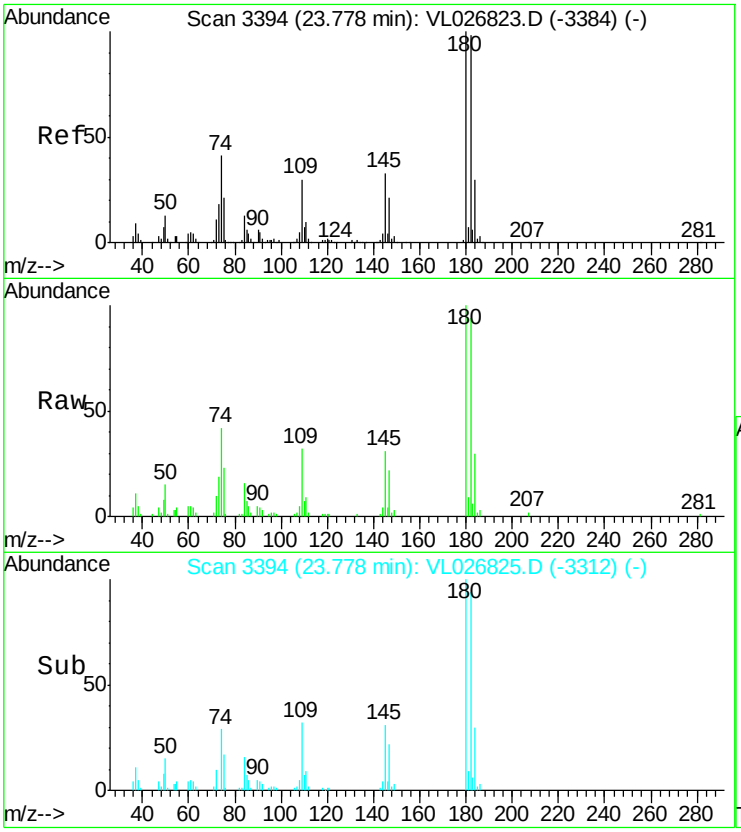


#80
Naphthalene,2-methyl-
Concen: 0.73 ppbv
RT: 26.10 min Scan# 3775
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:142 Resp: 89086

Ion	Ratio	Lower	Upper
142	100		
141	89.4	67.2	100.8
115	38.2	27.5	41.3

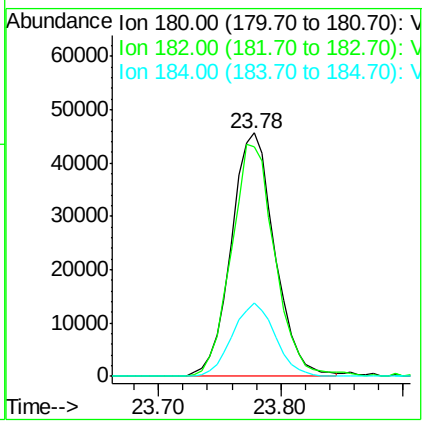




#81
1,2,4-Trichlorobenzene
Concen: 0.36 ppbv
RT: 23.78 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:180 Resp: 112315

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
184	29.6	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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