Data Path : W:\HPCHEM1\MSVOA_L\Data\VL121317\

Quantitation Report (QT Reviewed)

Data File : VL031228.D
Acq On : 14 Dec 2017 12:33
Operator : SY/AP
Sample : I6808-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AIR-UNIT-3DUP

Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

Quant Time: Dec 16 02:57:37 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 1
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1427022	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3278149	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	2625020	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2288195	12.25	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 122.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	40977	0.34	ppbv		98
3) Chlorodifluoromethane	3.12	51	165178m	1.02	ppbv		
4) Chloromethane	3.28	50	44146	0.50	ppbv		91
9) Propene	3.14	41	54805	0.69	ppbv		86
11) Trichlorofluoromethane	4.13	101	53975	0.27	ppbv		97
13) Ethanol	3.77	45	336199	14.64	ppbv		99
15) Acetone	4.03	43	968141	5.14	ppbv		100
19) Isopropyl Alcohol	4.16	45	177066	1.49	ppbv	#	1
20) Methylene Chloride	4.54	84	82991	1.33	ppbv		92
26) Hexane	5.93	57	520835	2.85	ppbv	#	44
34) 2-Butanone	5.48	43	44948	0.19	ppbv		94
35) Carbon Tetrachloride	7.30	117	16482m	0.07	ppbv		
36) Benzene	7.16	78	97763	0.28	ppbv		96
44) 2,2,4-Trimethylpentane	8.15	57	45213	0.09	ppbv	#	78
53) Toluene	10.11	91	186948	0.50	ppbv		97
58) Ethyl Benzene	13.03	91	39274	0.09	ppbv		100
59) m/p-Xylene	13.29	91	94520m	0.27	ppbv		
60) o-Xylene	14.02	91	40578	0.12	ppbv		100
61) Styrene	13.86	104	9735m	0.10	ppbv		
73) 1,3,5-Trimethylbenzene	16.32	105	38166	0.11	ppbv	#	80
74) 1,2,4-Trimethylbenzene	17.09	105	91686	0.26	ppbv	#	76
79) Naphthalene	22.62	128	33965m	0.12	ppbv		

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

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL121317\

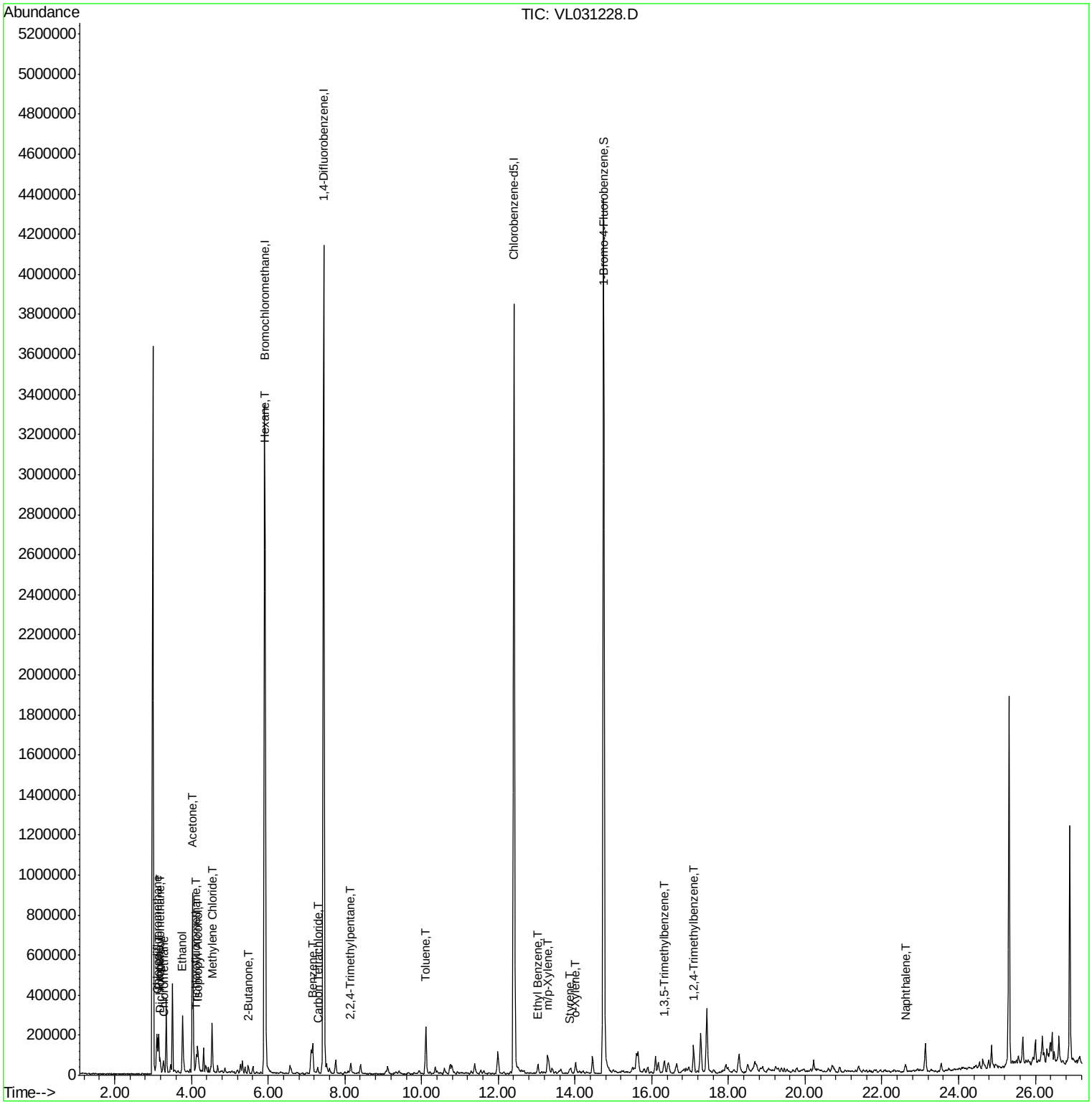
Quantitation Report (QT Reviewed)

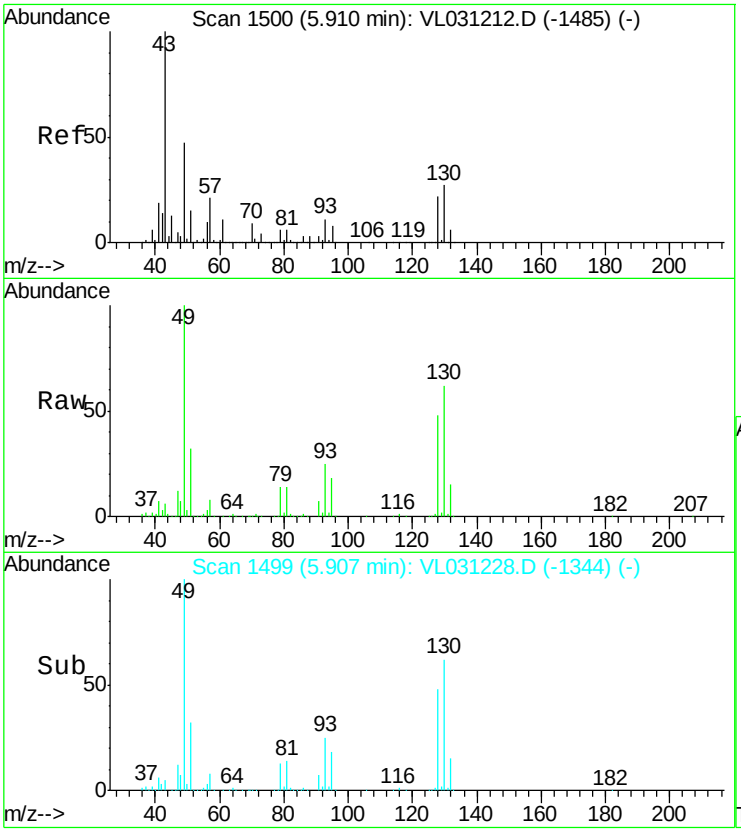
Data File : VL031228.D
Acq On : 14 Dec 2017 12:33
Operator : SY/AP
Sample : I6808-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 02:57:37 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

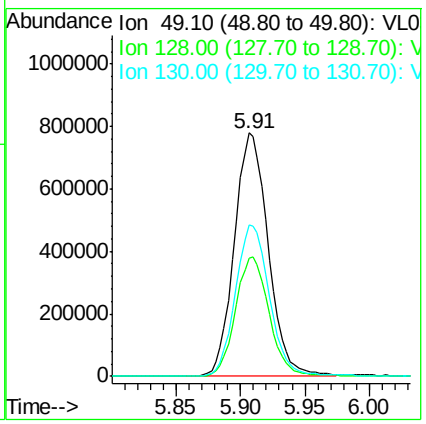




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

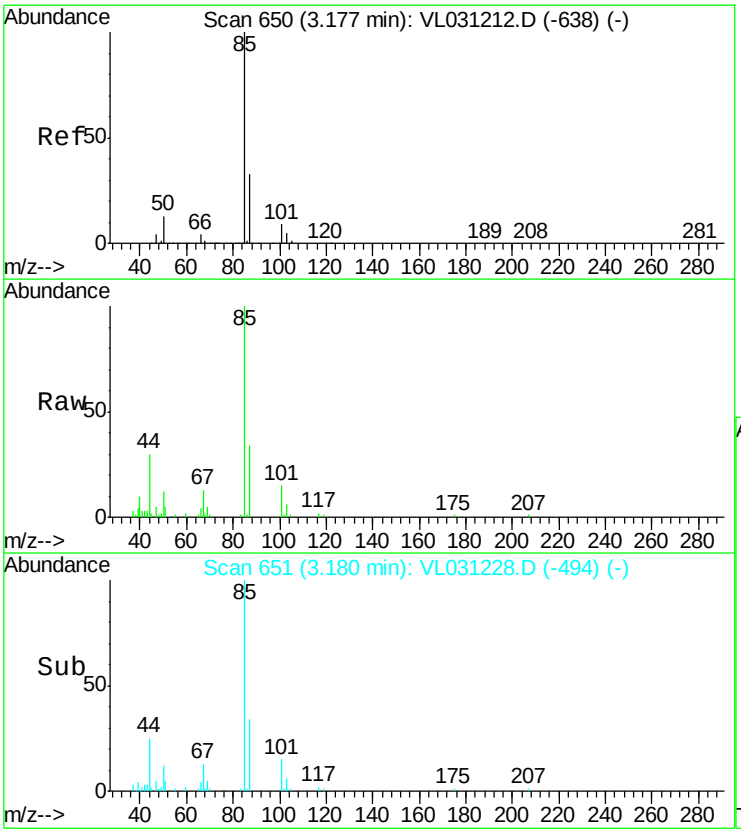
Tgt Ion: 49 Resp: 1427022

Ion	Ratio	Lower	Upper
49	100		
128	49.3	23.2	69.5
130	63.0	29.6	88.8



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

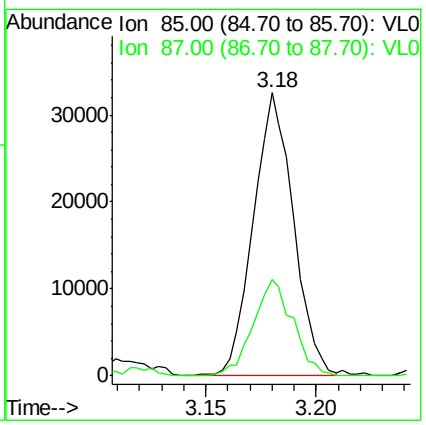
Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

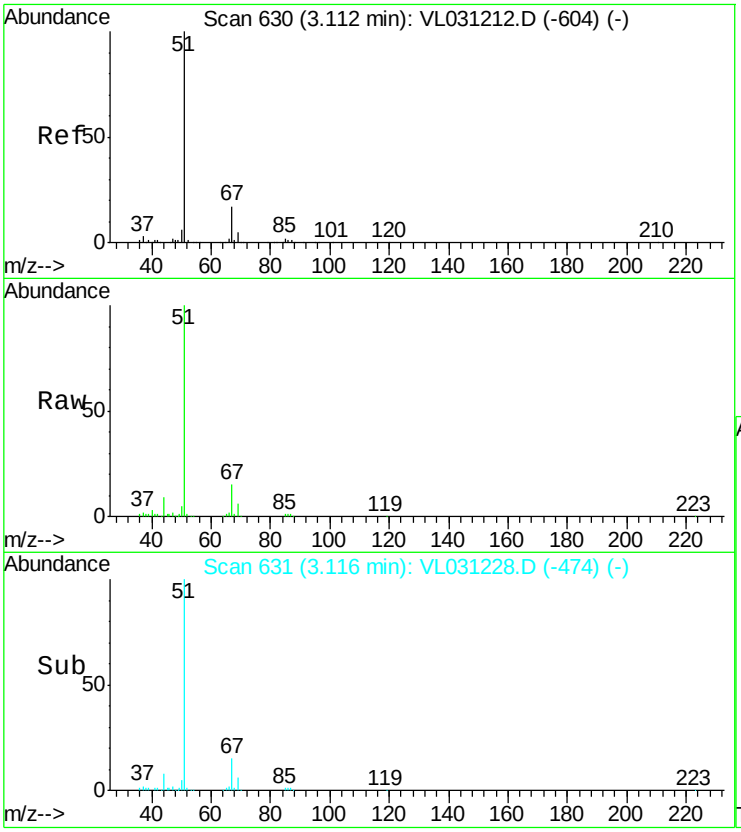


#2
Dichlorodifluoromethane
Concen: 0.34 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 85 Resp: 40977

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.2	39.2

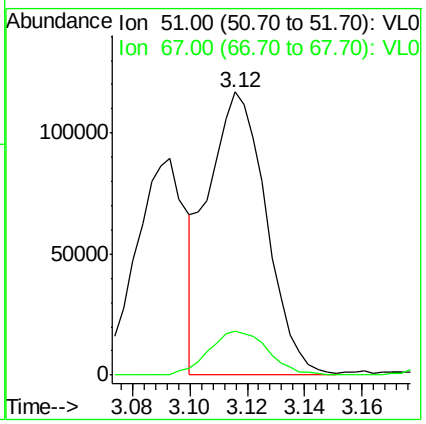




#3
Chlorodifluoromethane
Concen: 1.02 ppbv m
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

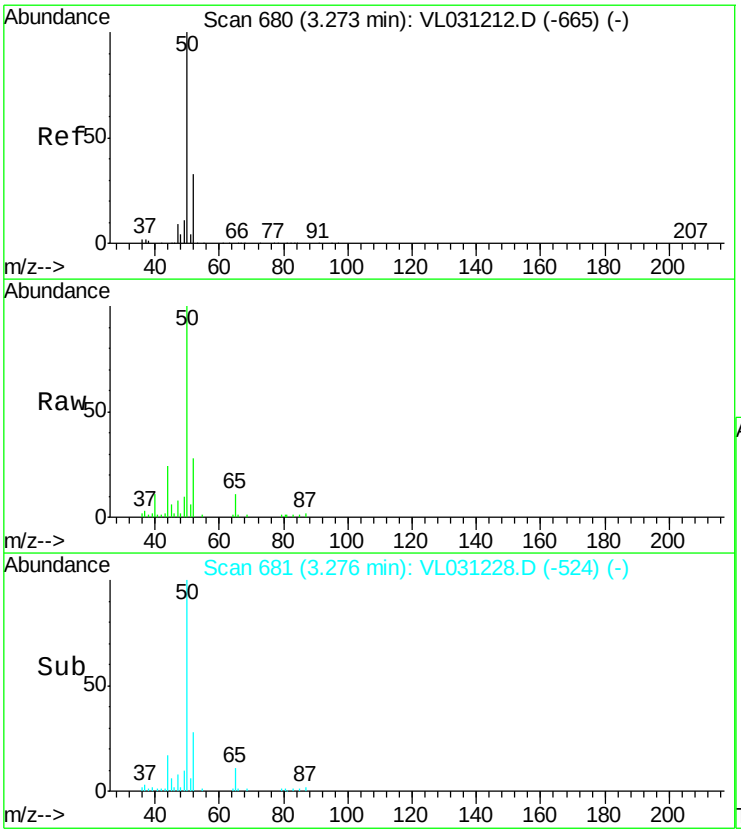
Tgt Ion: 51 Resp: 165178

Ion	Ratio	Lower	Upper
51	100		
67	15.9	13.8	20.6



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

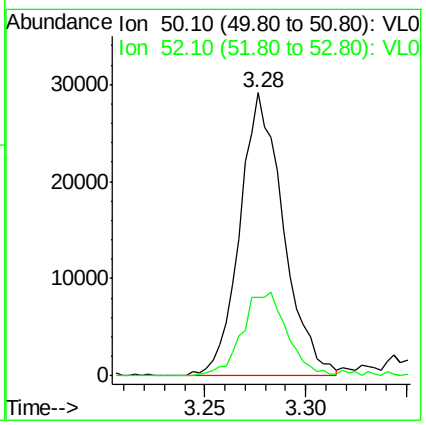
Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

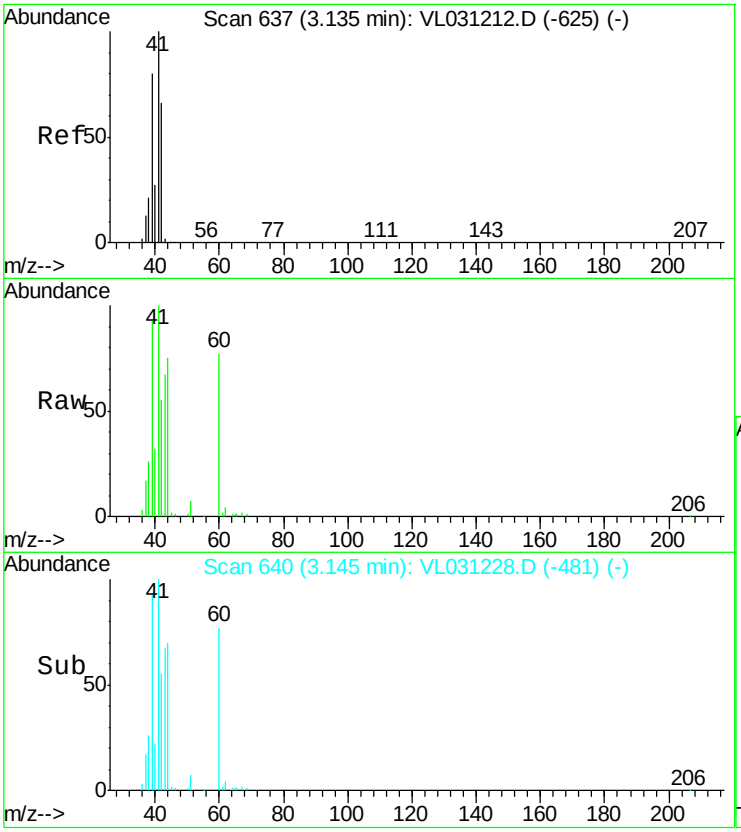


#4
Chloromethane
Concen: 0.50 ppbv
RT: 3.28 min Scan# 681
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 50 Resp: 44146

Ion	Ratio	Lower	Upper
50	100		
52	27.8	26.5	39.7

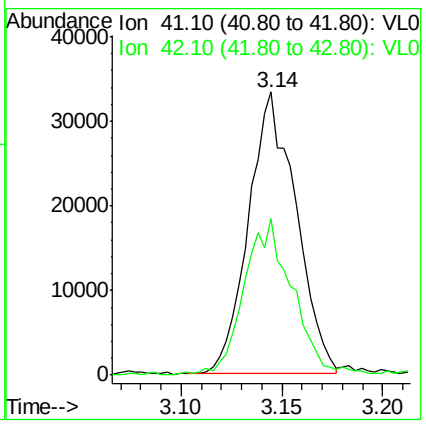




#9
Propene
Concen: 0.69 ppbv
RT: 3.14 min Scan# 640
Delta R.T. 0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 41 Resp: 54805

Ion	Ratio	Lower	Upper
41	100		
42	56.3	54.3	81.5



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

Manual Integrations APPROVED
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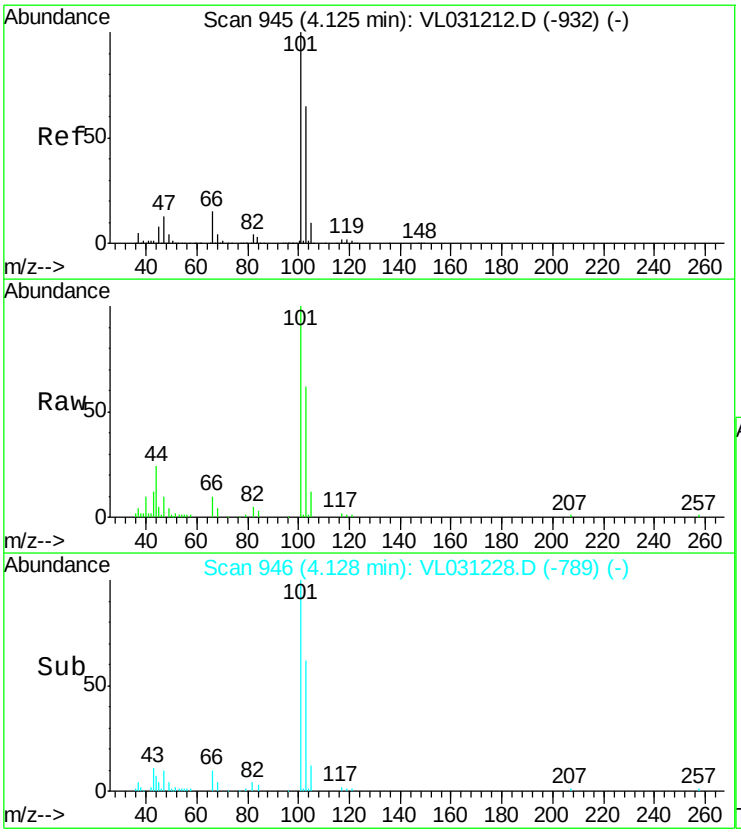
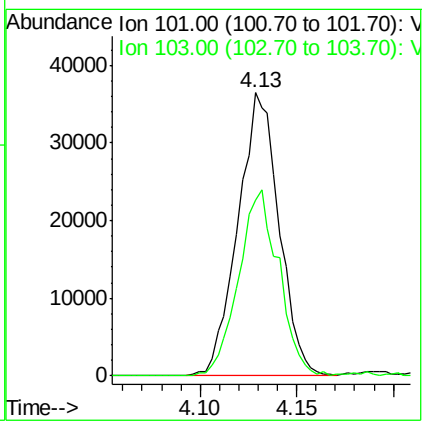
12/15/2017 4:07:08 PM

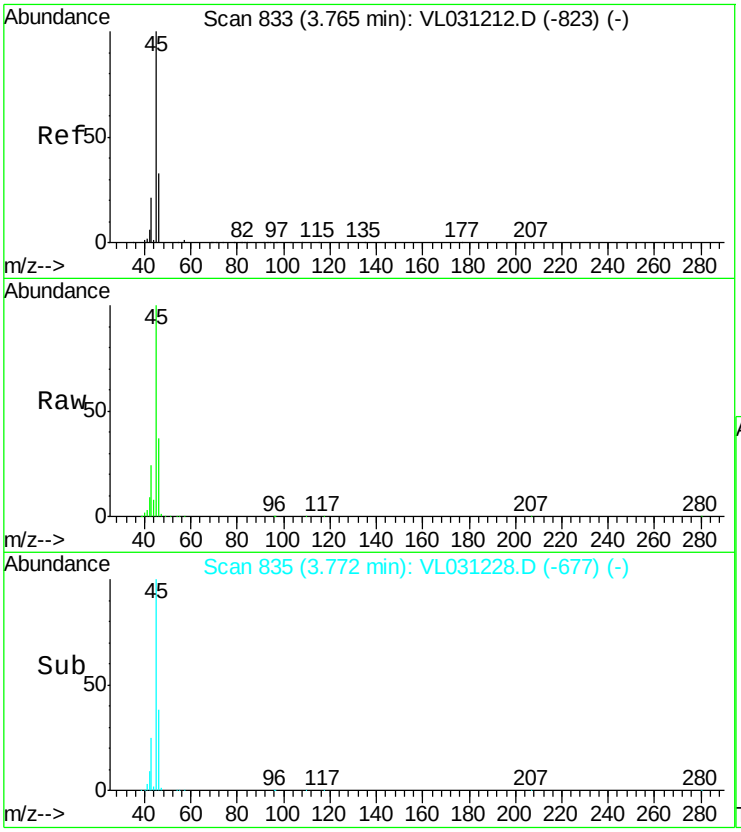


#11
Trichlorofluoromethane
Concen: 0.27 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:101 Resp: 53975

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.8	77.8

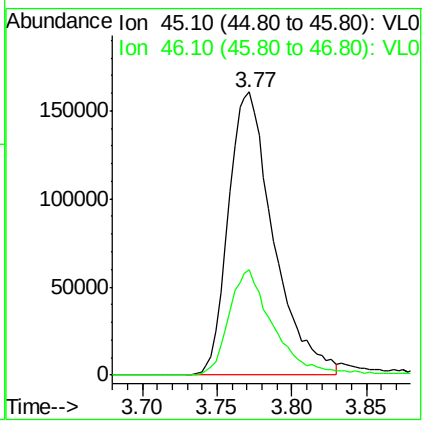




#13
Ethanol
Concen: 14.64 ppbv
RT: 3.77 min Scan# 835
Delta R.T. 0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 45 Resp: 336199

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.6	58.4



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

Manual Integrations APPROVED
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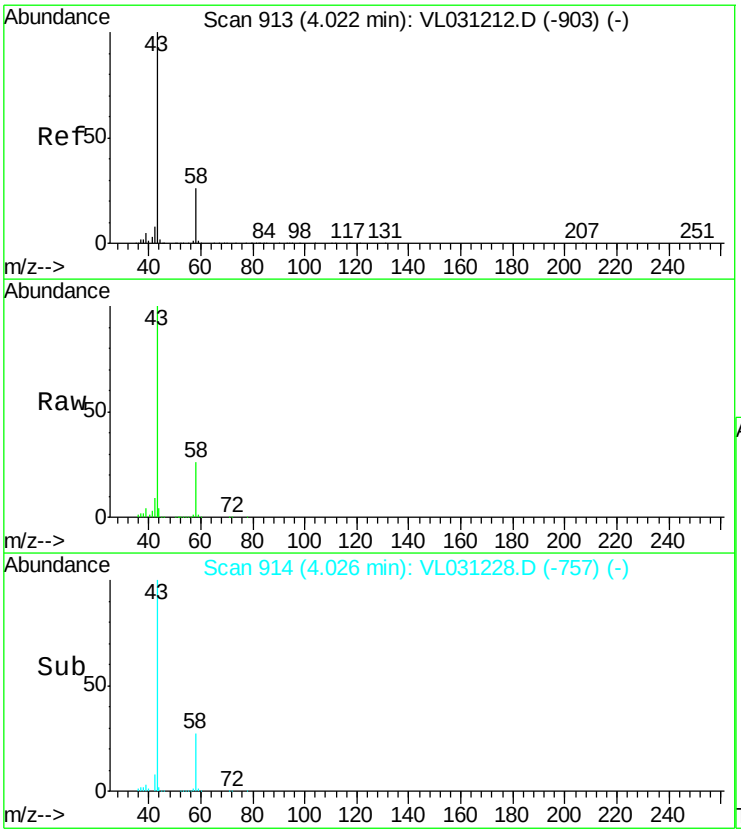
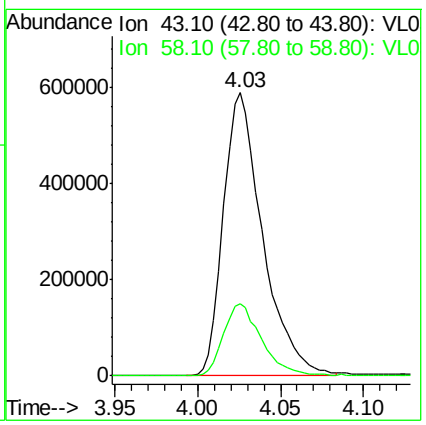
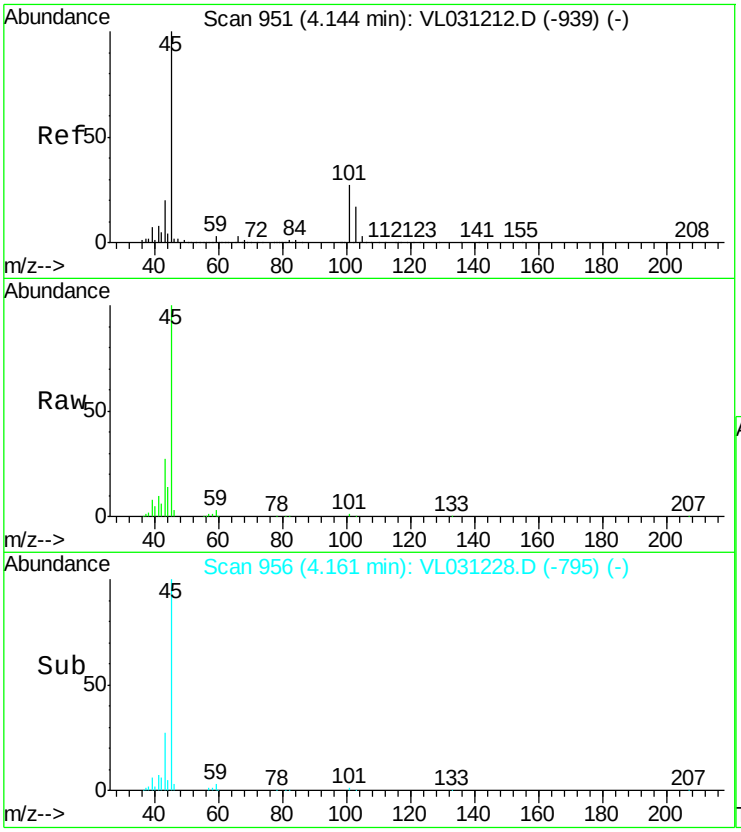


#15
Acetone
Concen: 5.14 ppbv
RT: 4.03 min Scan# 914
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 43 Resp: 968141

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.3	30.5

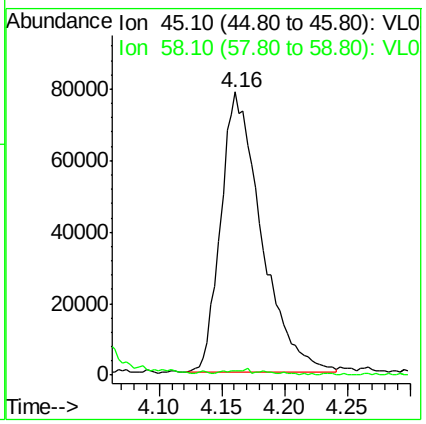




#19
Isopropyl Alcohol
Concen: 1.49 ppbv
RT: 4.16 min Scan# 956
Delta R.T. 0.02 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 45 Resp: 177066

Ion	Ratio	Lower	Upper
45	100		
58	138.2	27.2	40.8#



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

Manual Integrations APPROVED
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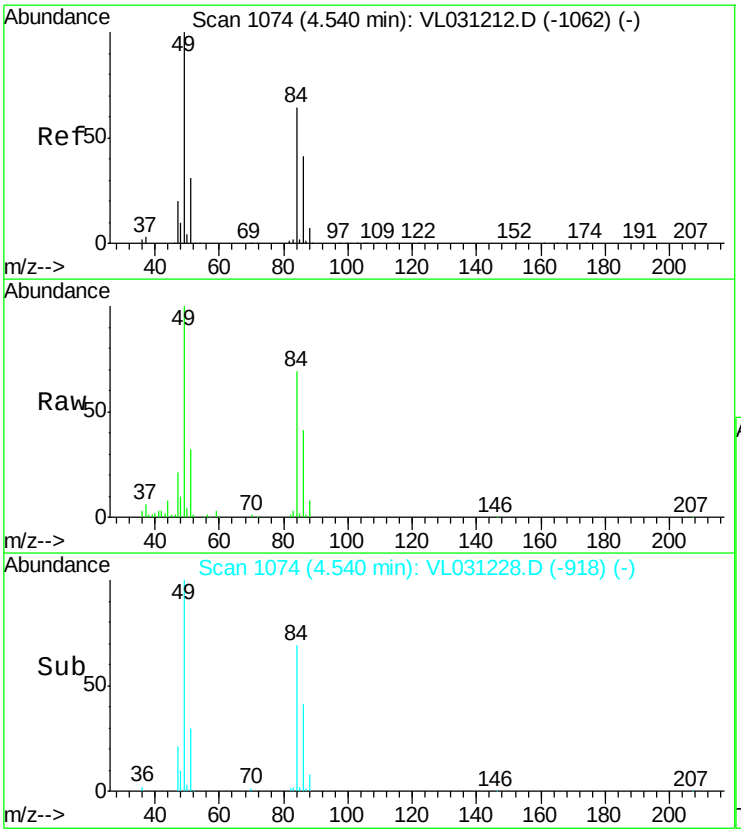
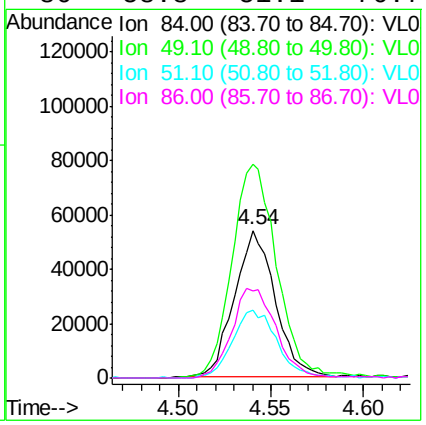
12/15/2017 4:07:08 PM

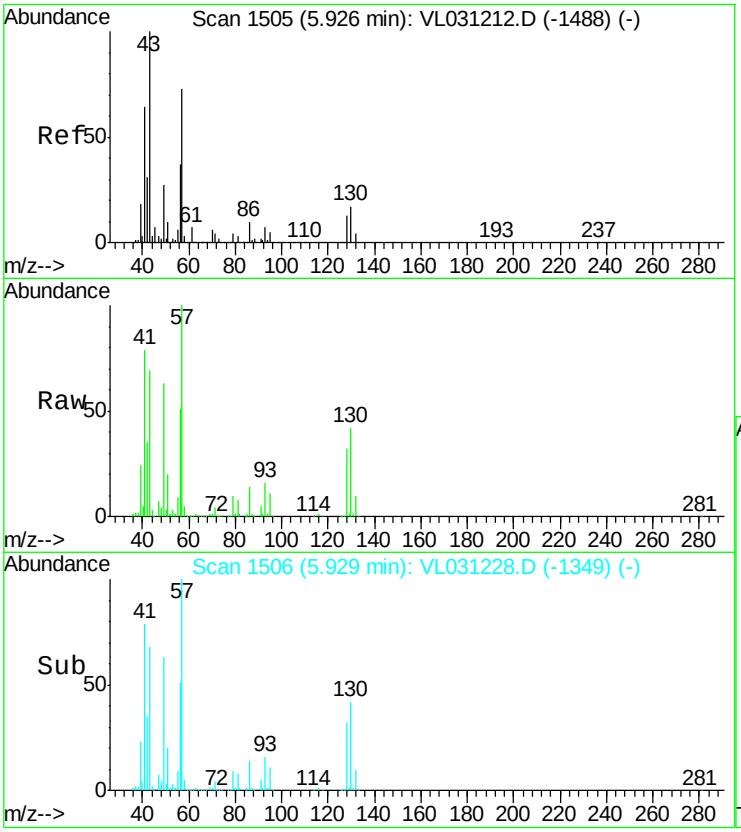


#20
Methylene Chloride
Concen: 1.33 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 84 Resp: 82991

Ion	Ratio	Lower	Upper
84	100		
49	144.7	125.8	188.6
51	46.3	39.3	58.9
86	58.8	51.1	76.7

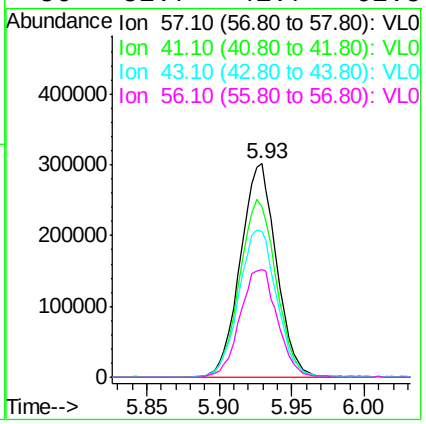




#26
Hexane
Concen: 2.85 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

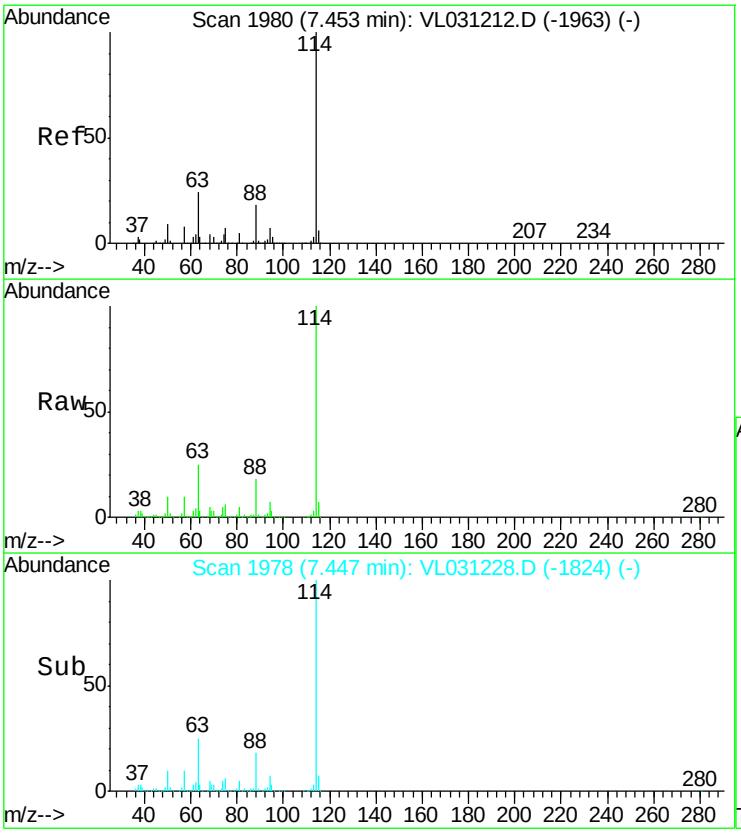
Tgt Ion: 57 Resp: 520835

Ion	Ratio	Lower	Upper
57	100		
41	84.8	70.3	105.5
43	72.9	173.8	260.8#
56	52.7	41.7	62.5



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

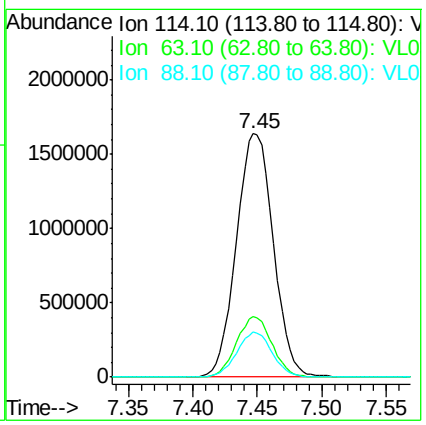
Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

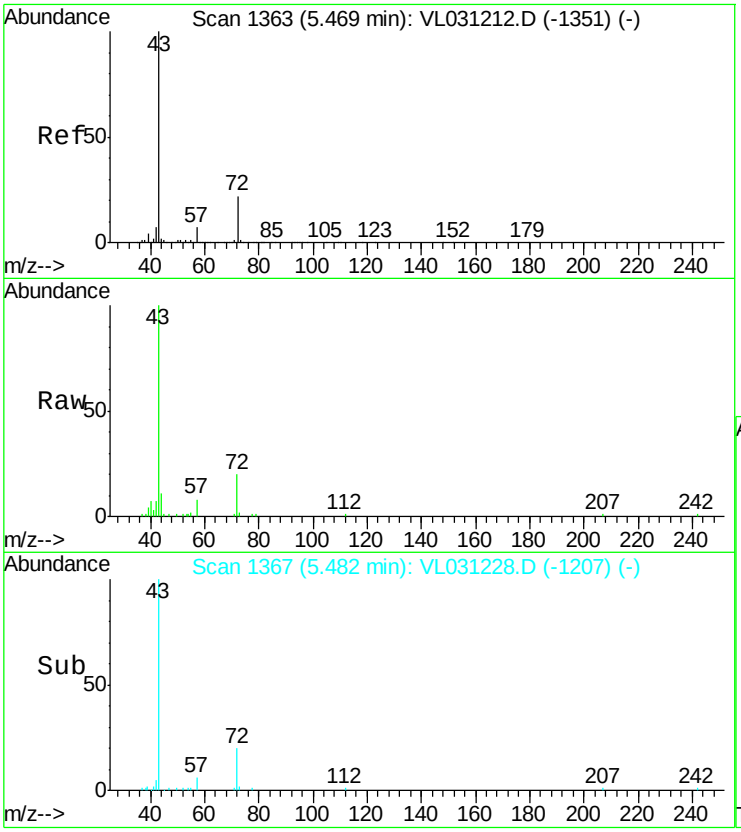


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:114 Resp: 3278149

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.8	29.8
88	17.6	14.2	21.4

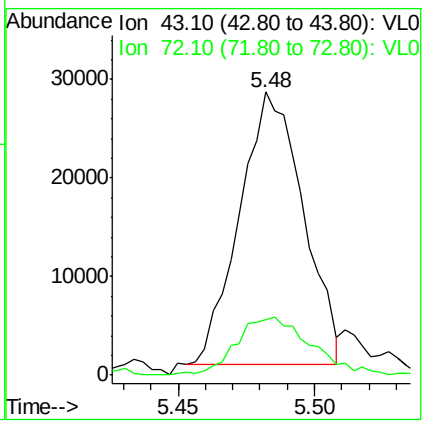




#34
2-Butanone
Concen: 0.19 ppbv
RT: 5.48 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

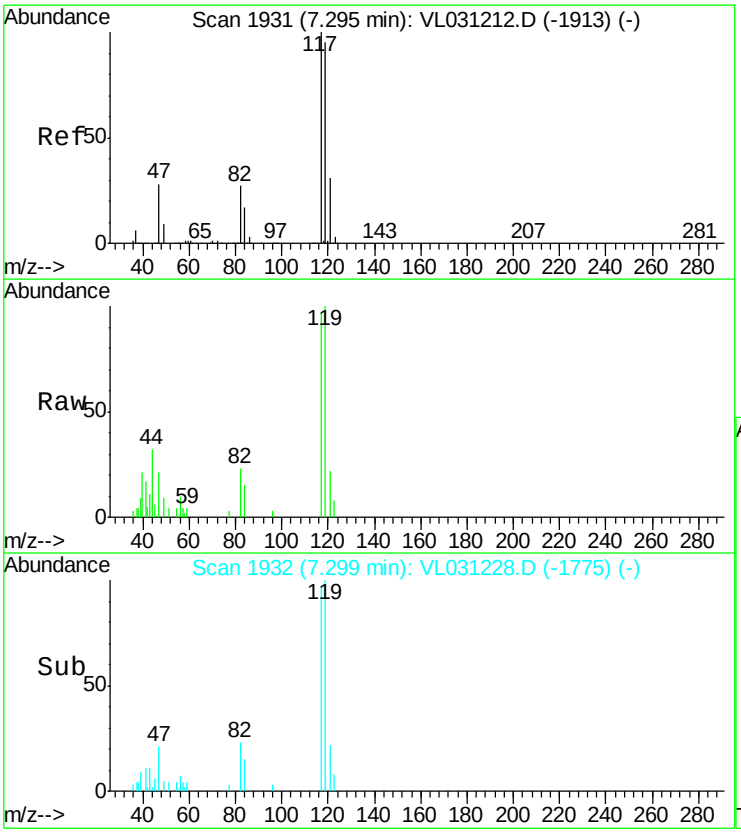
Tgt Ion: 43 Resp: 44948

Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

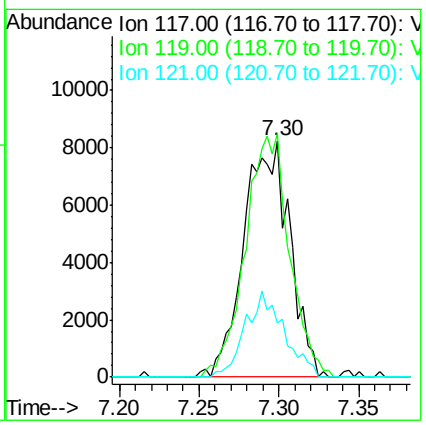
Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

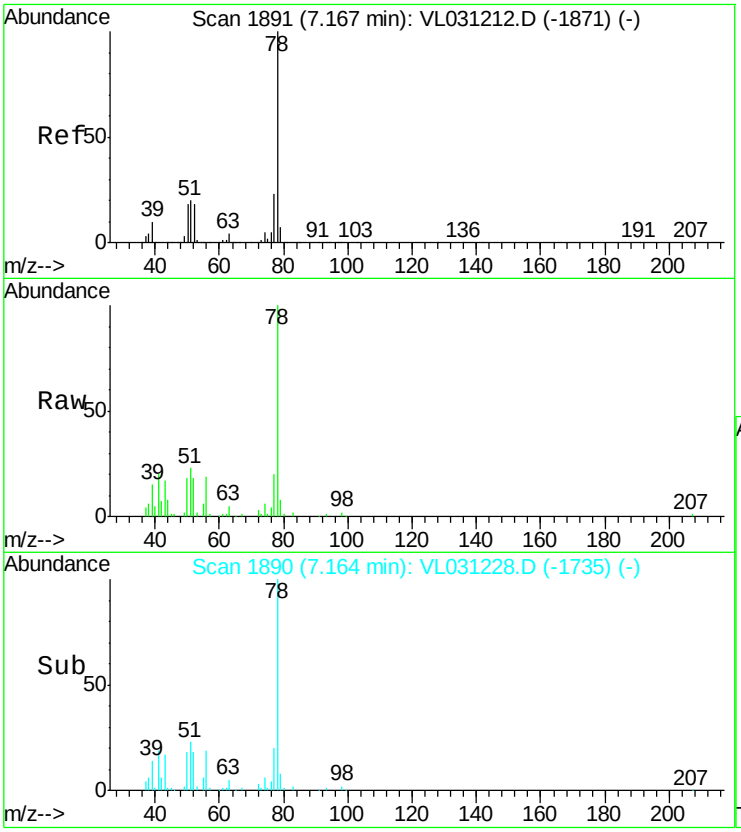


#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:117 Resp: 16482

Ion	Ratio	Lower	Upper
117	100		
119	103.0	75.9	113.9
121	22.9	24.6	37.0#

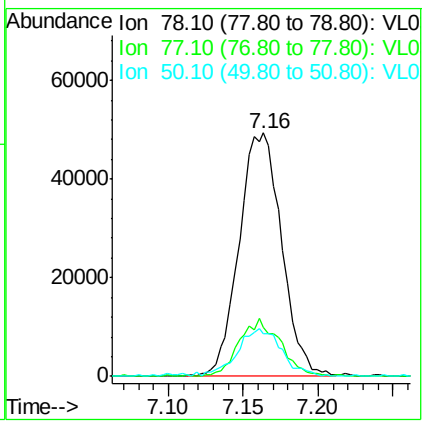




#36
Benzene
Concen: 0.28 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

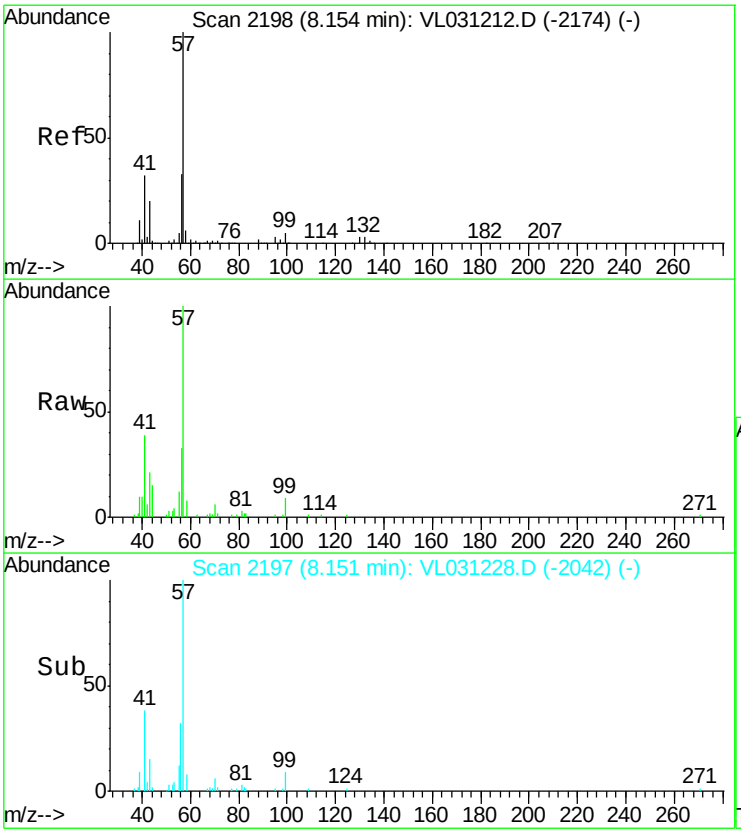
Tgt Ion: 78 Resp: 97763

Ion	Ratio	Lower	Upper
78	100		
77	19.9	18.1	27.1
50	17.7	14.6	21.8



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

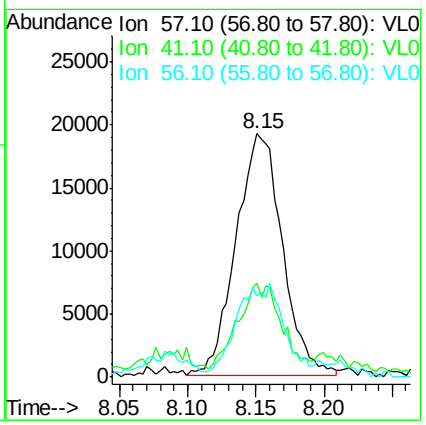
Manual Integrations APPROVED
MMDadoda
12/15/2017 4:07:08 PM

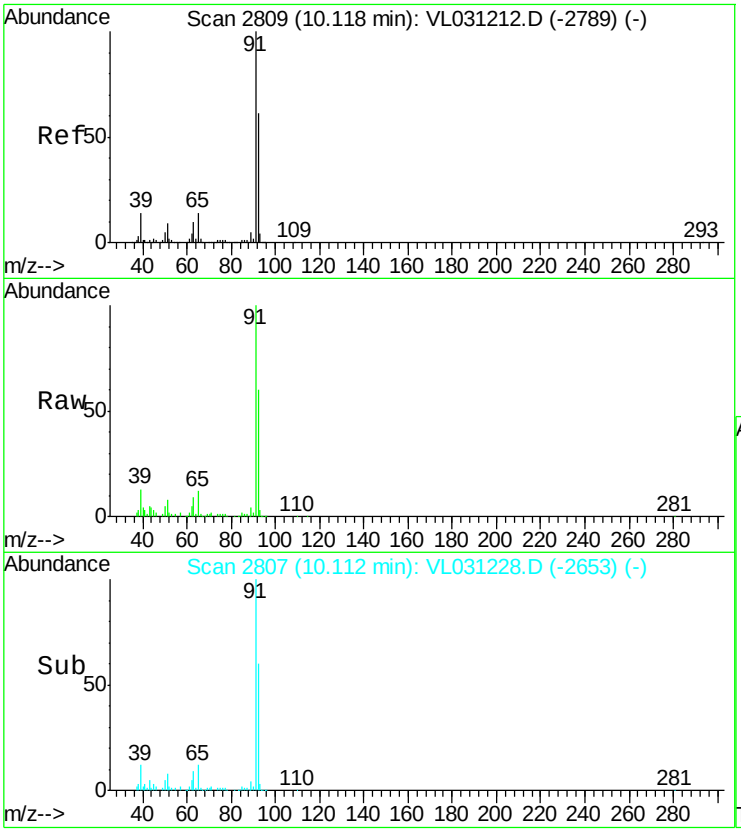


#44
2,2,4-Trimethylpentane
Concen: 0.09 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 57 Resp: 45213

Ion	Ratio	Lower	Upper
57	100		
41	43.7	25.5	38.3#
56	44.3	25.0	37.6#





#53
Toluene
Concen: 0.50 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 91 Resp: 186948

Ion	Ratio	Lower	Upper
91	100		
92	59.2	49.1	73.7

Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

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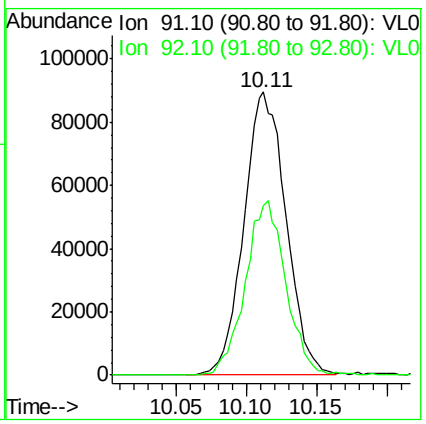
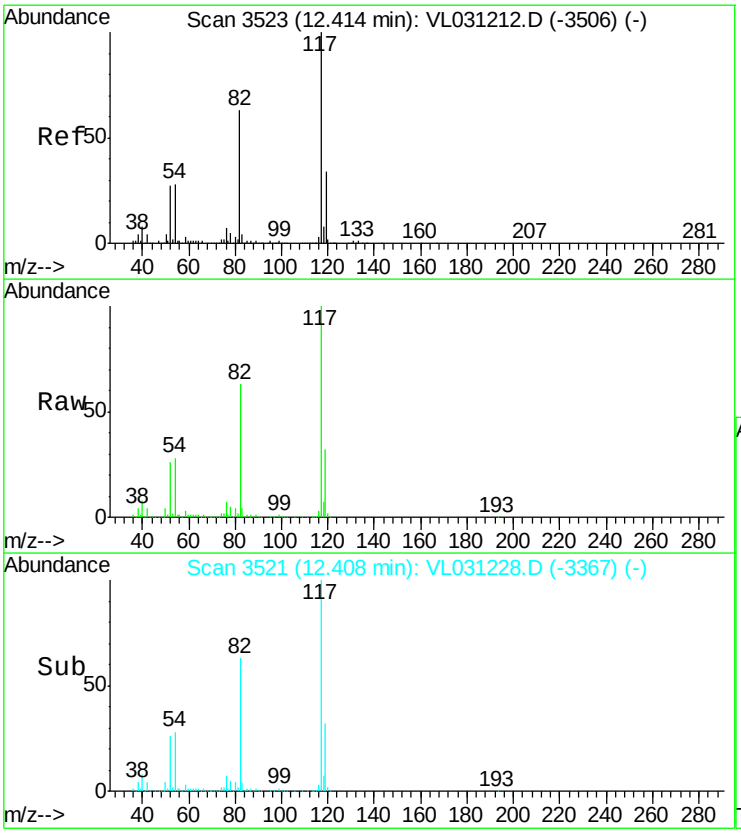
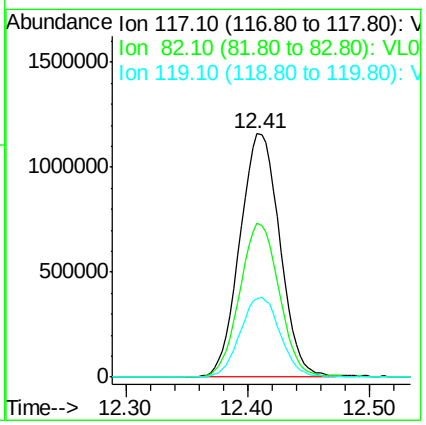


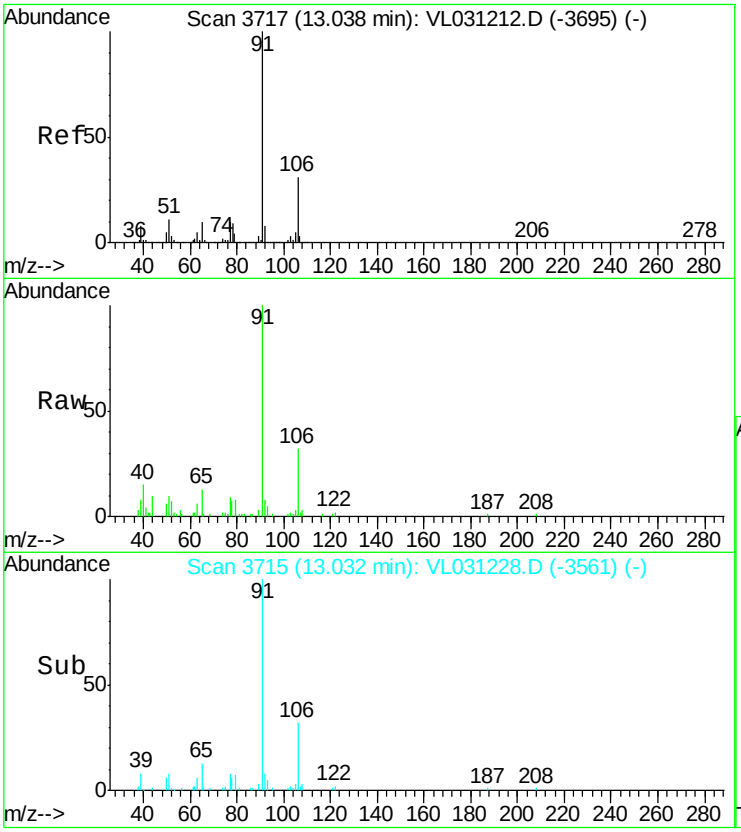


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:117 Resp: 2625020

Ion	Ratio	Lower	Upper
117	100		
82	63.4	48.1	72.1
119	33.0	23.1	34.7

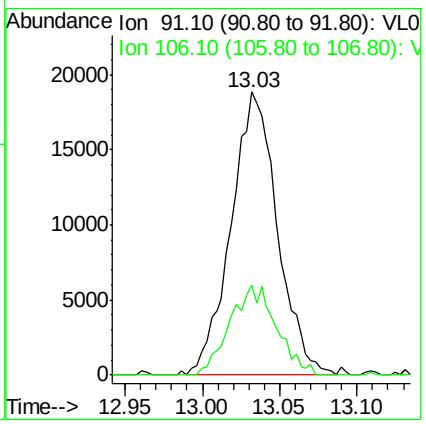




#58
Ethyl Benzene
Concen: 0.09 ppbv
RT: 13.03 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 91 Resp: 39274

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.1	37.7



Instrument :
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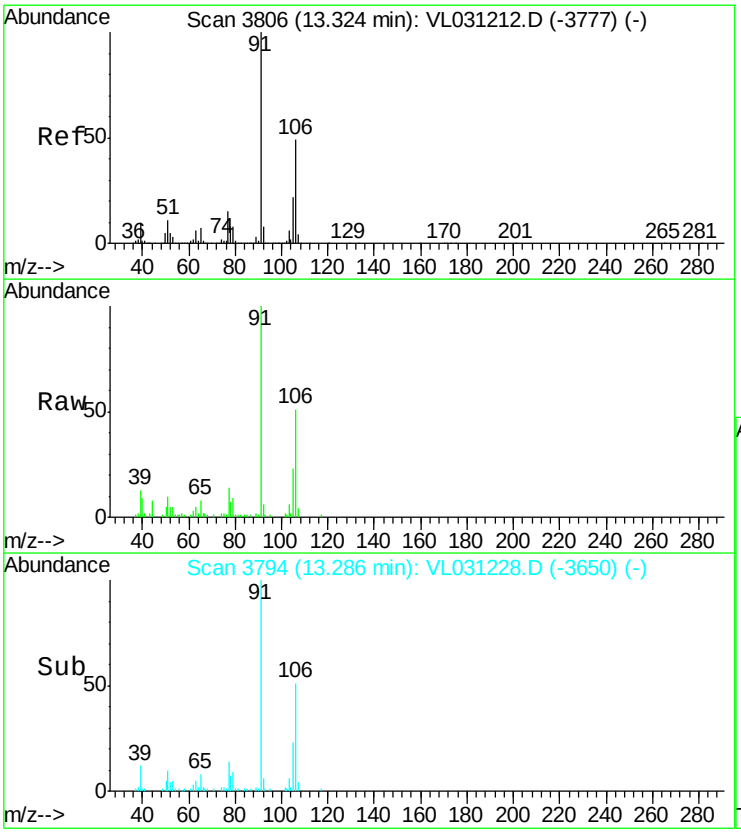
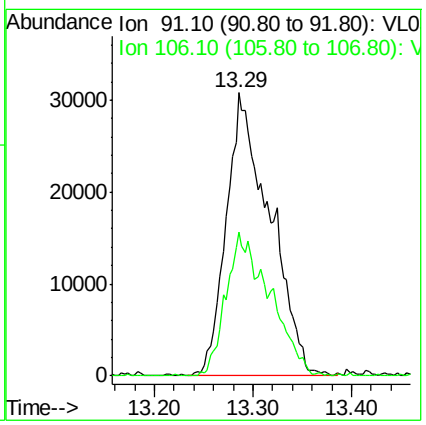
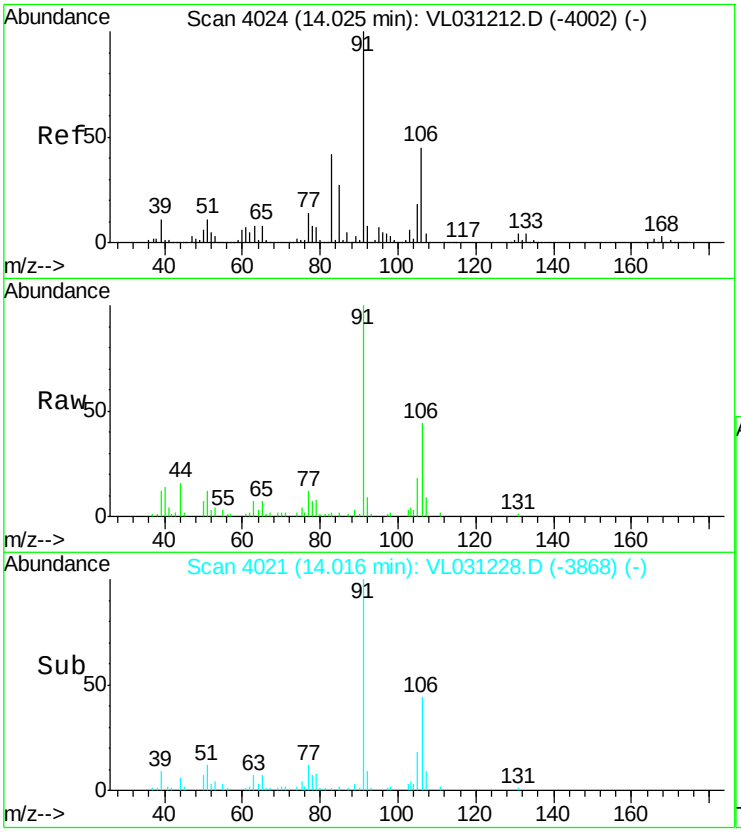


#59
m/p-Xylene
Concen: 0.27 ppbv m
RT: 13.29 min Scan# 3794
Delta R.T. -0.04 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 91 Resp: 94520

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.5	57.7#

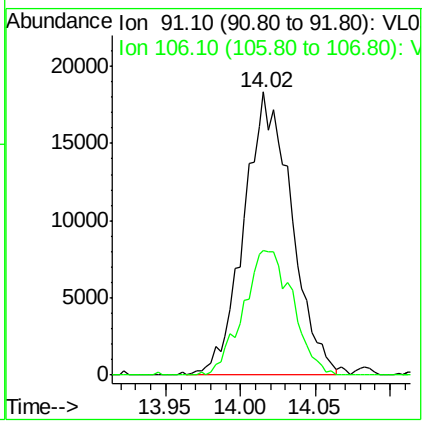




#60
o-Xylene
Concen: 0.12 ppbv
RT: 14.02 min Scan# 4021
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 91 Resp: 40578

Ion	Ratio	Lower	Upper
91	100		
106	45.6	22.7	68.1



Instrument :
MSVOA_L
ClientSampleId :
AIR-UNIT-3DUP

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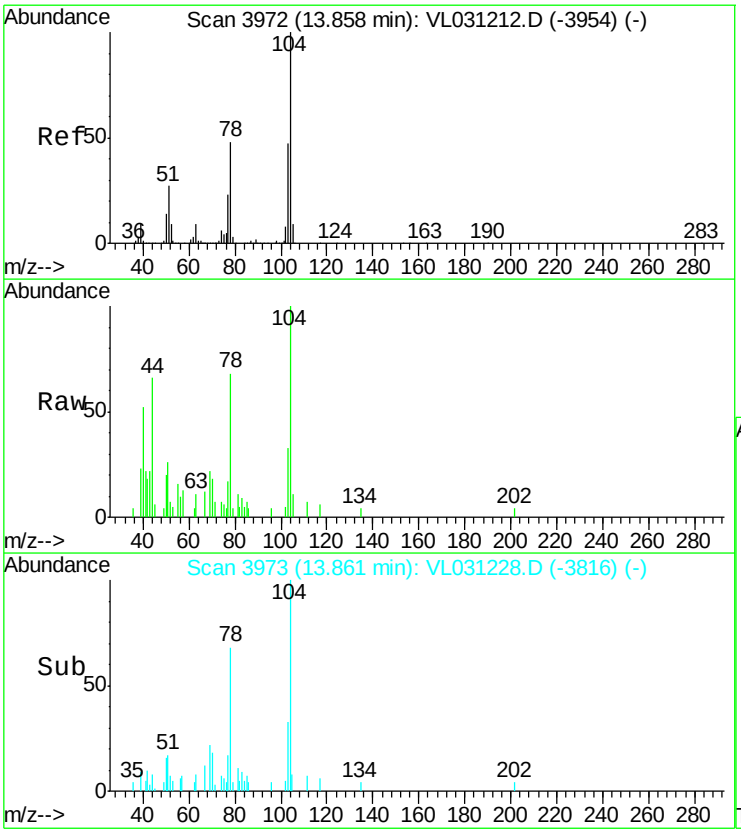
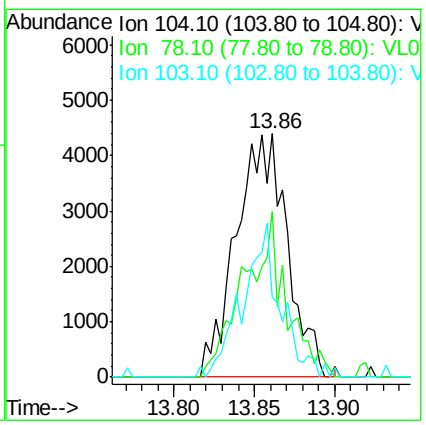
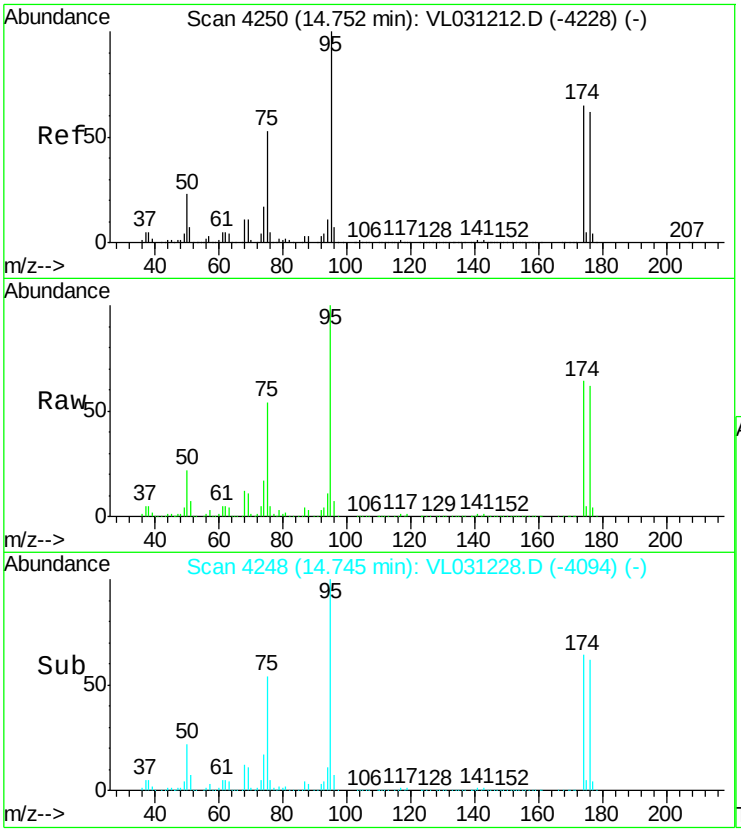


#61
Styrene
Concen: 0.10 ppbv m
RT: 13.86 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:104 Resp: 9735

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.1	58.7#
103	0.0	37.3	55.9#

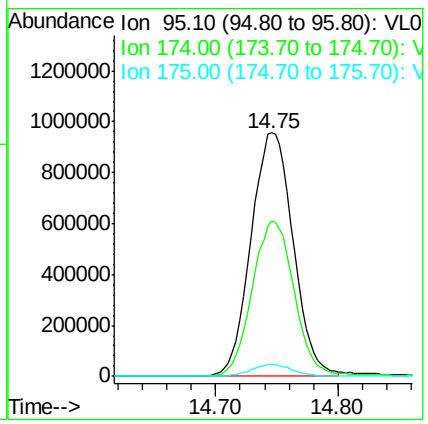




#68
1-Bromo-4-Fluorobenzene
Concen: 12.25 ppbv
RT: 14.75 min Scan# 4248
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion: 95 Resp: 2288195

Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.5	78.7
175	4.7	4.1	6.1



Instrument :
MSVOA_L
ClientSampleId :
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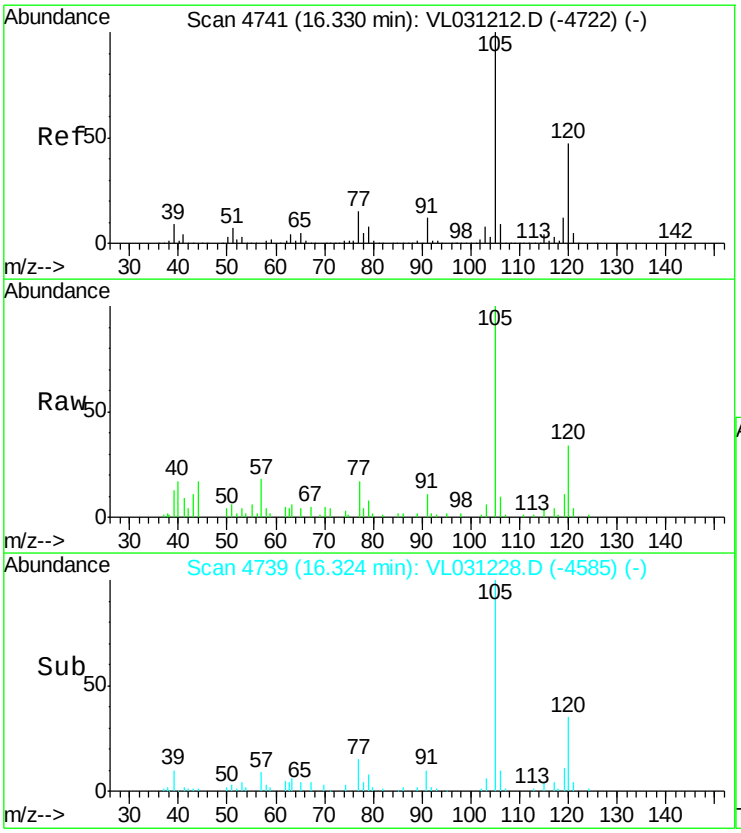
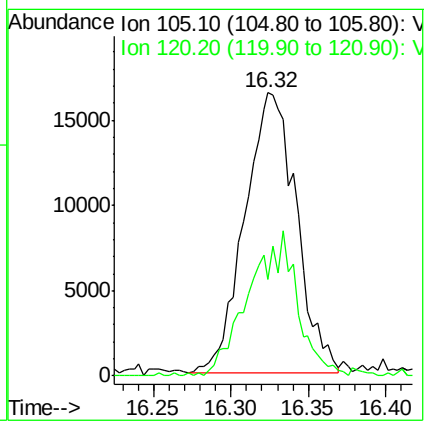
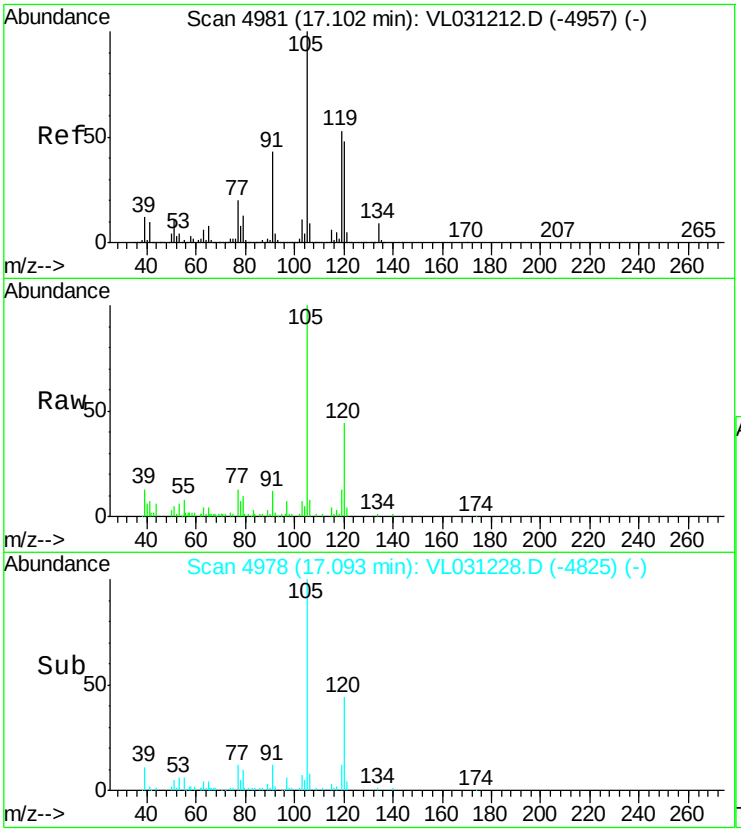


#73
1,3,5-Trimethylbenzene
Concen: 0.11 ppbv
RT: 16.32 min Scan# 4739
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:105 Resp: 38166

Ion	Ratio	Lower	Upper
105	100		
120	33.5	37.8	56.6#

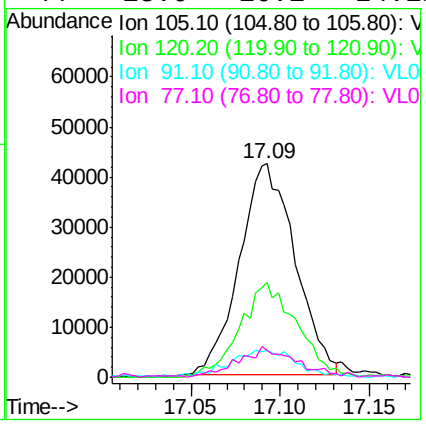




#74
1,2,4-Trimethylbenzene
Concen: 0.26 ppbv
RT: 17.09 min Scan# 4978
Delta R.T. -0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:105 Resp: 91686

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.6	58.0
91	11.6	34.2	51.4#
77	13.0	16.1	24.1#



Instrument :
MSVOA_L
ClientSampleId :
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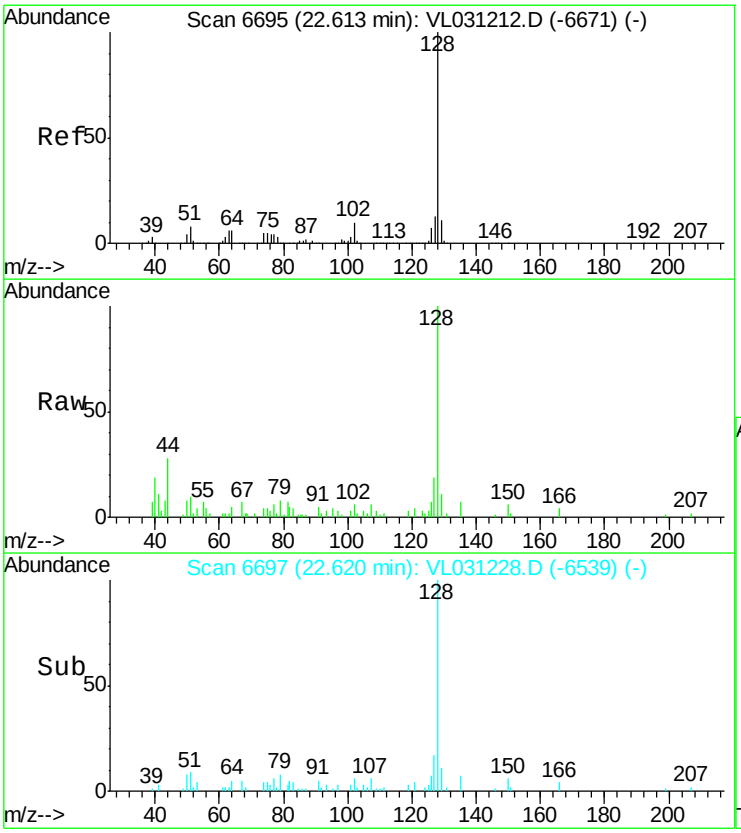

#79
Naphthalene
Concen: 0.12 ppbv m
RT: 22.62 min Scan# 6697
Delta R.T. 0.01 min
Lab File: VL031228.D
Acq: 14 Dec 2017 12:33

Tgt Ion:128 Resp: 33965

Ion	Ratio	Lower	Upper
128	100		
127	18.9	10.2	15.2#
129	11.2	8.9	13.3