Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122018\
Data File : VL033033.D
Acq On : 20 Dec 2018 20:02
Operator : SY/AP
Sample : J6444-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : YT-CBA-LTM5-03

Manual Integrations APPROVED
MMDadoda
12/24/2018 8:26:23 AM

Quant Time: Dec 23 11:20:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 0
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1160295	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2737417	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2557329	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2039000	10.79	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	93708	0.605	ppbv		97
3) Chlorodifluoromethane	3.02	51	61869m	0.704	ppbv		
4) Chloromethane	3.17	50	30396	0.594	ppbv		97
9) Propene	3.05	41	841241m	24.211	ppbv		
11) Trichlorofluoromethane	4.01	101	41874	0.287	ppbv		97
13) Ethanol	3.65	45	521060	43.554	ppbv		94
15) Acetone	3.90	43	905142	9.089	ppbv		98
19) Isopropyl Alcohol	4.04	45	154208	2.466	ppbv	#	1
20) Methylene Chloride	4.41	84	797052	16.375	ppbv		97
26) Hexane	5.78	57	562803	5.182	ppbv	#	46
27) Carbon Disulfide	4.63	76	25268	0.186	ppbv		95
34) 2-Butanone	5.34	43	53102	0.445	ppbv		98
35) Carbon Tetrachloride	7.14	117	15518	0.072	ppbv	#	93
36) Benzene	7.01	78	118590	0.589	ppbv		96
38) Trichloroethene	7.96	130	3851m	0.046	ppbv		
44) 2,2,4-Trimethylpentane	7.99	57	55046	0.161	ppbv	#	56
52) Tetrachloroethene	11.37	164	7259m	0.099	ppbv		
53) Toluene	9.96	91	20122093	94.232	ppbv		86
58) Ethyl Benzene	12.87	91	49293m	0.181	ppbv		
59) m/p-Xylene	13.13	91	130366m	0.527	ppbv		
60) o-Xylene	13.85	91	40524	0.162	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	72303	0.235	ppbv	#	72

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

Quantitation Report (QT Reviewed)

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Sample : J6444-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 11:20:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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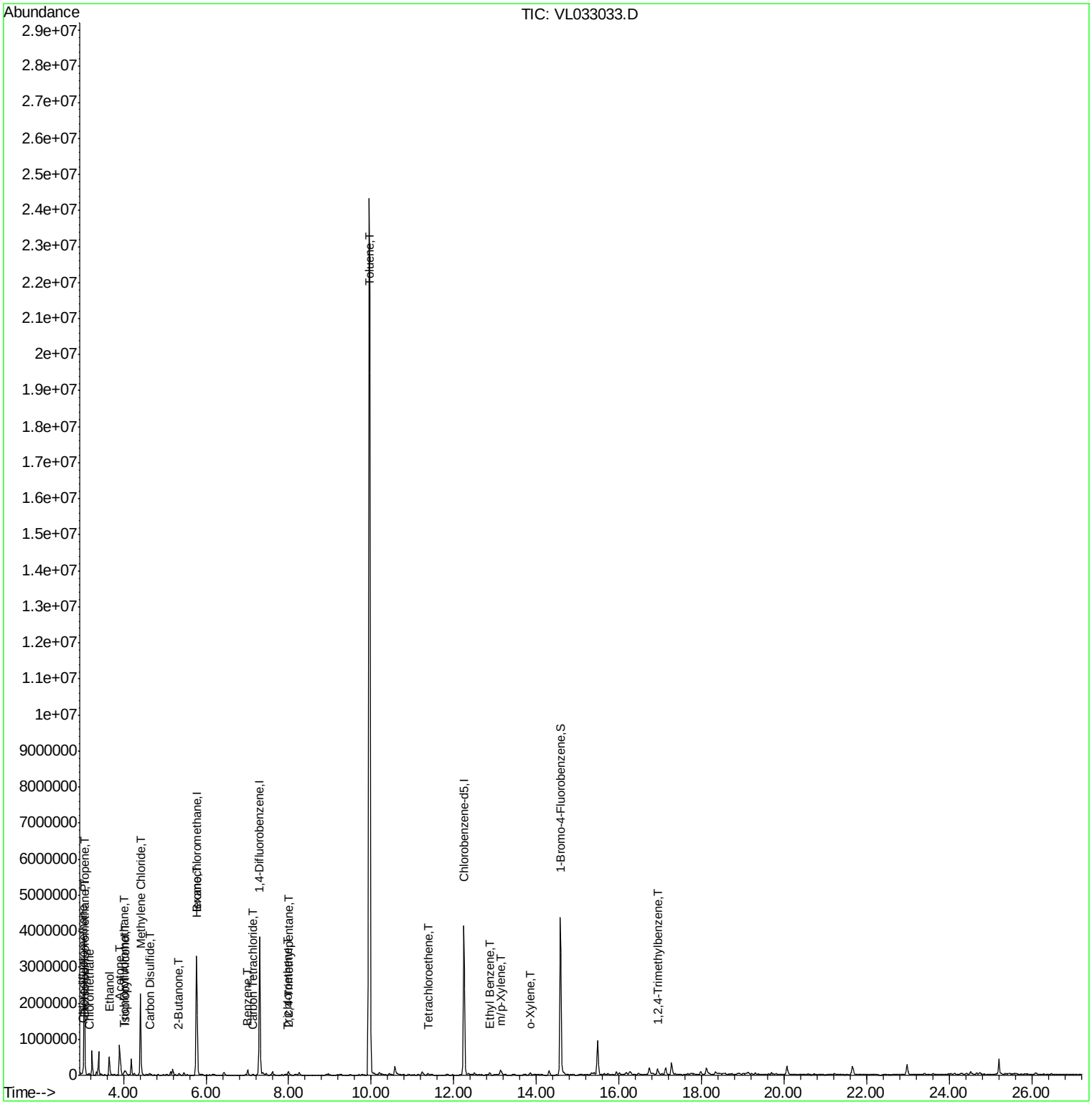
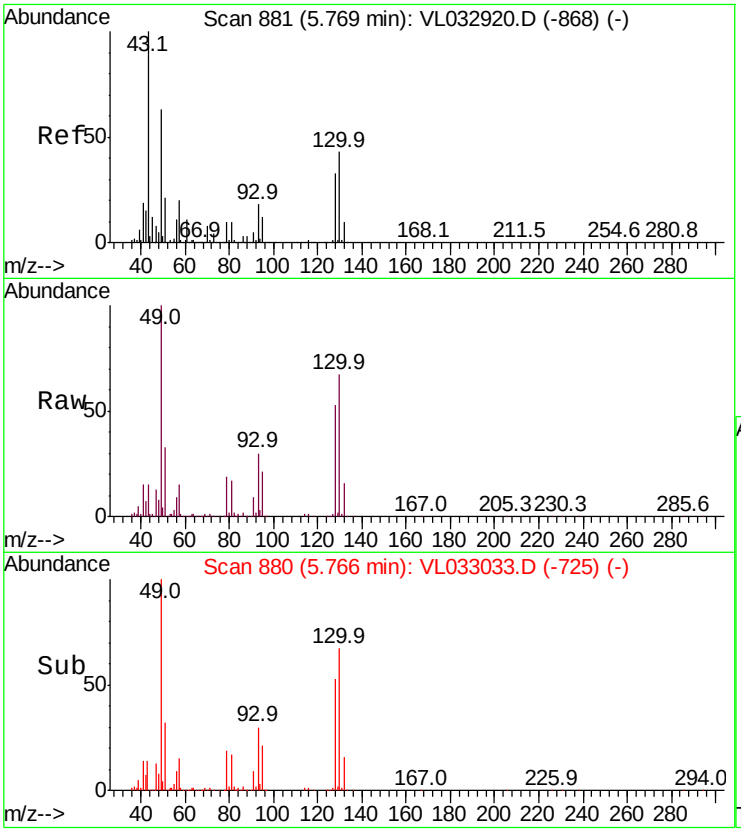
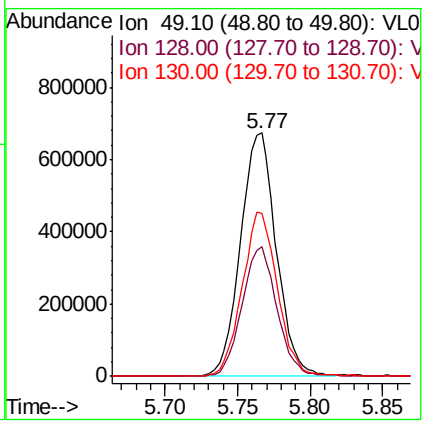




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 49 Resp: 1160295

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.3	78.8
130	66.7	33.9	101.7



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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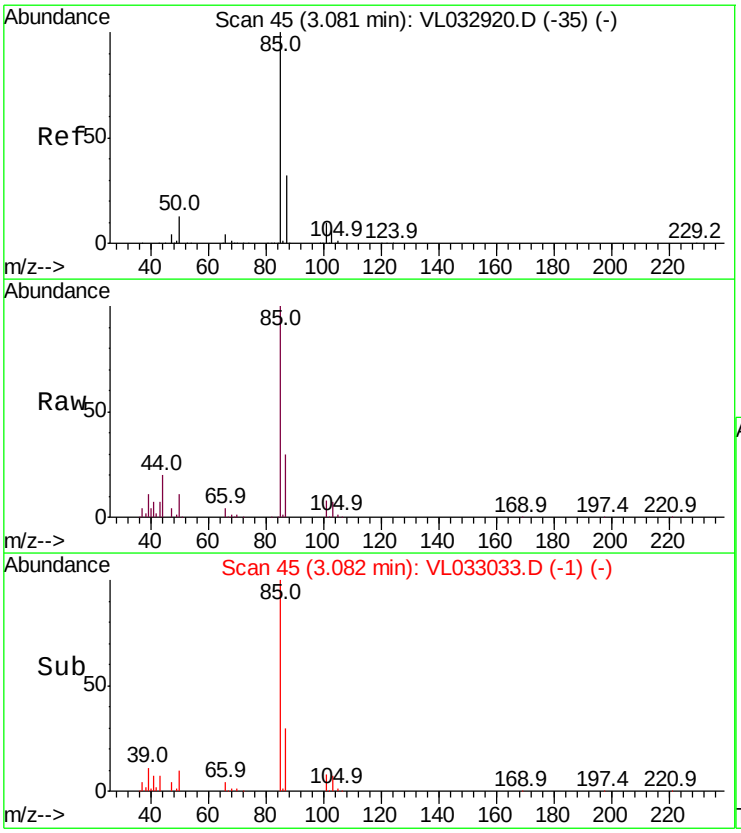
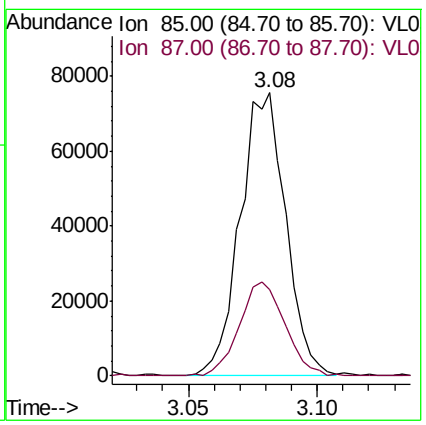
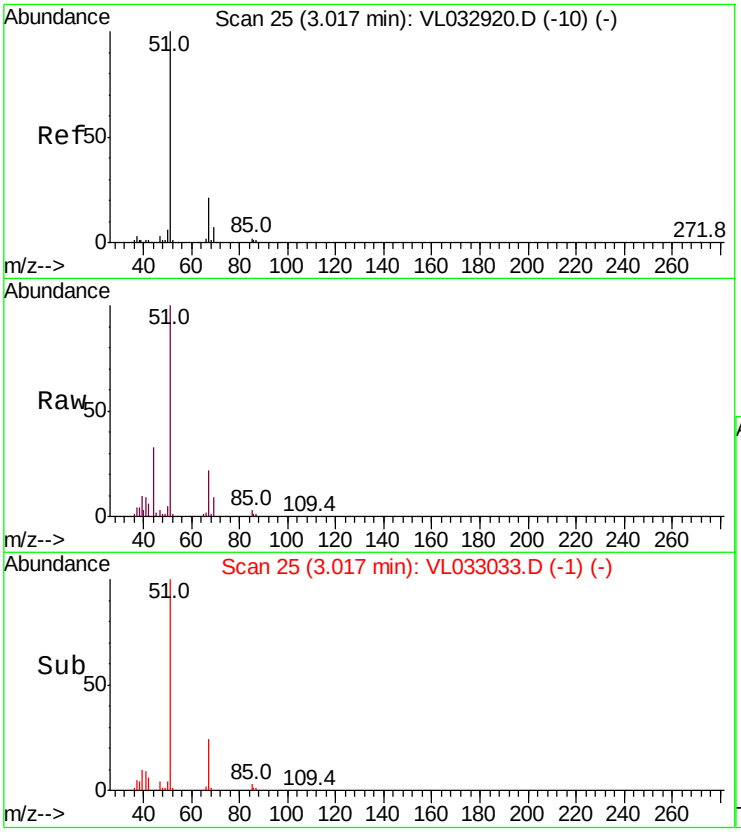


#2
Dichlorodifluoromethane
Concen: 0.605 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 85 Resp: 93708

Ion	Ratio	Lower	Upper
85	100		
87	30.4	25.7	38.5

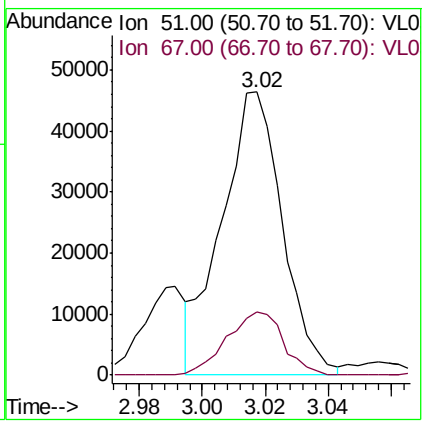




#3
Chlorodifluoromethane
Concen: 0.704 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 51 Resp: 61869

Ion	Ratio	Lower	Upper
51	100		
67	20.8	16.8	25.2



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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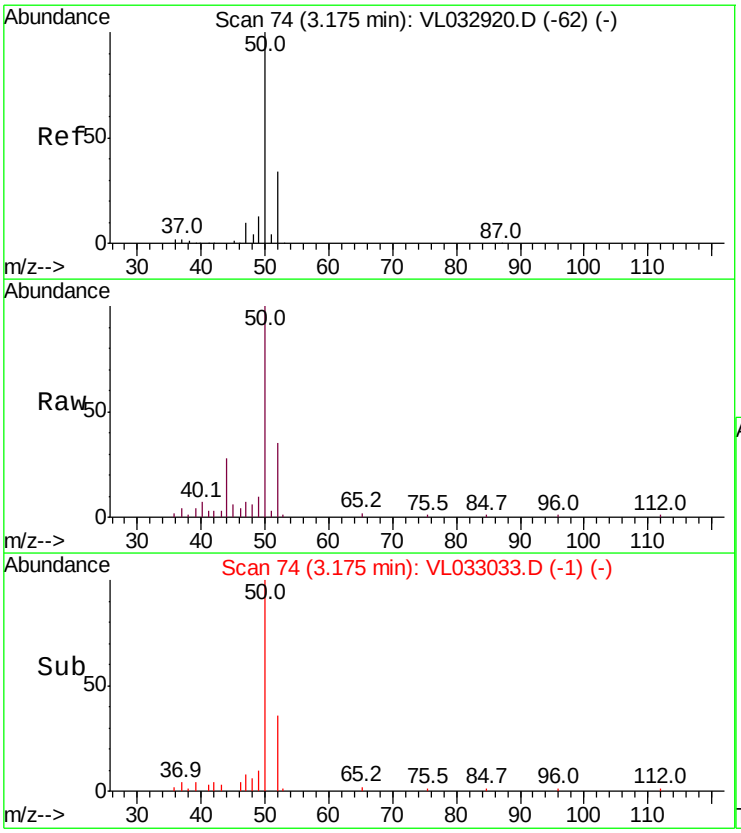
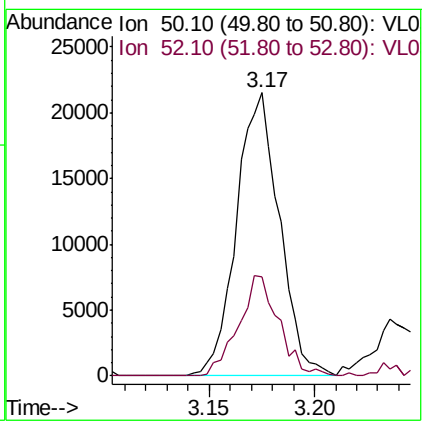
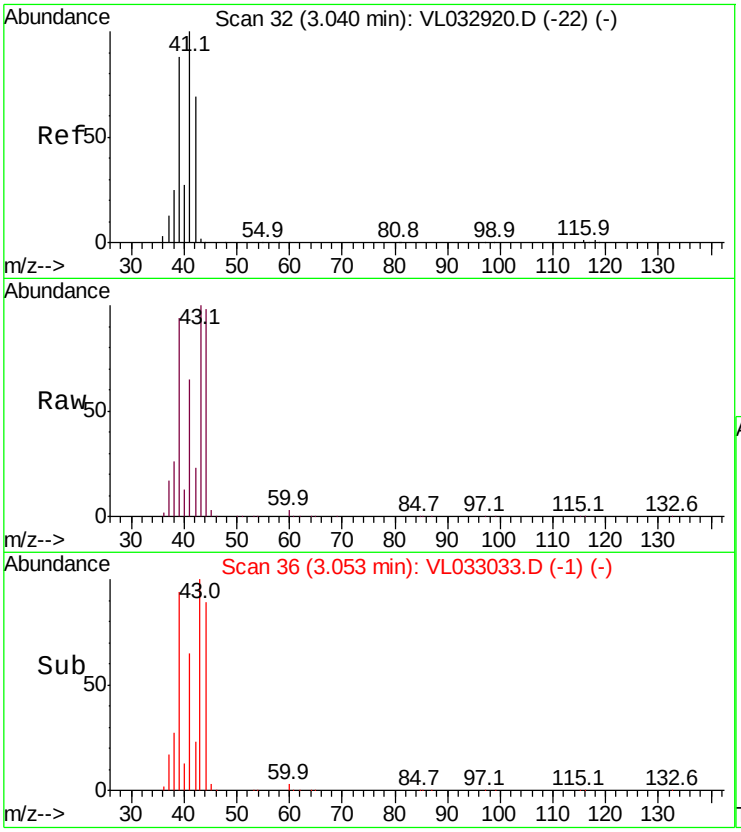


#4
Chloromethane
Concen: 0.594 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 50 Resp: 30396

Ion	Ratio	Lower	Upper
50	100		
52	36.1	27.3	40.9





#9
Propene
Concen: 24.211 ppbv m
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 41 Resp: 841241

Ion	Ratio	Lower	Upper
41	100		
42	13.6	56.2	84.2#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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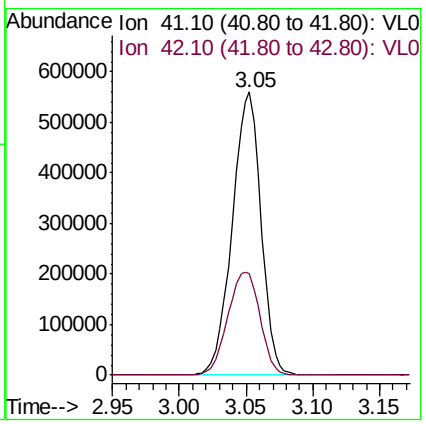
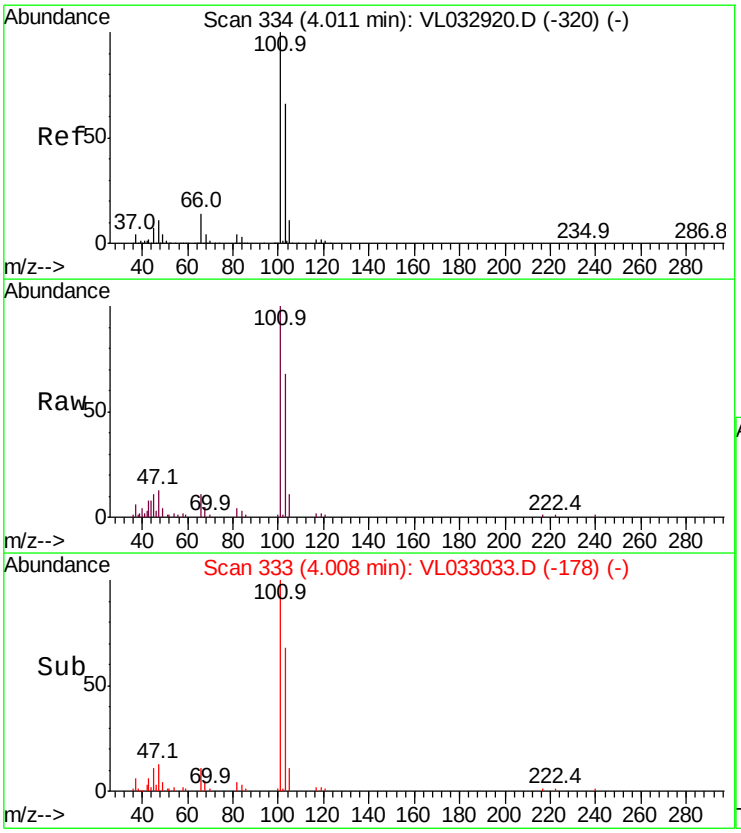
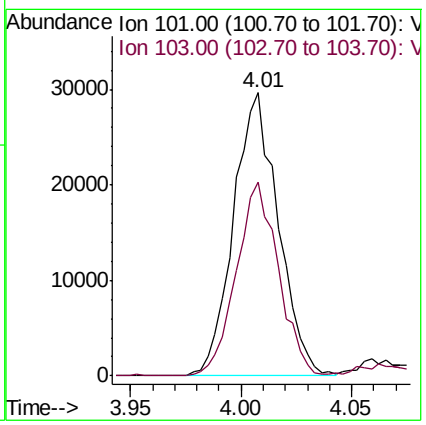


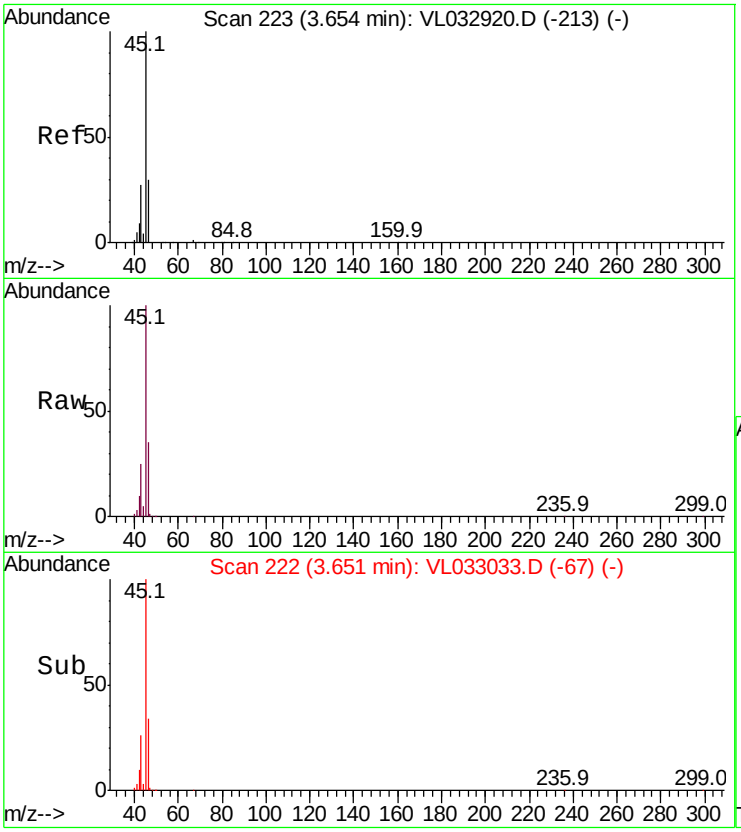


#11
Trichlorofluoromethane
Concen: 0.287 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion:101 Resp: 41874

Ion	Ratio	Lower	Upper
101	100		
103	68.5	52.7	79.1

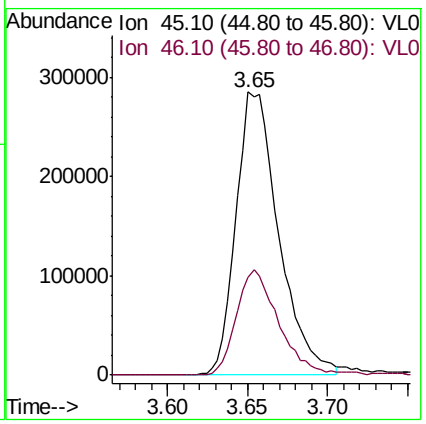




#13
Ethanol
Concen: 43.554 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 45 Resp: 521060

Ion	Ratio	Lower	Upper
45	100		
46	37.9	13.8	55.4



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

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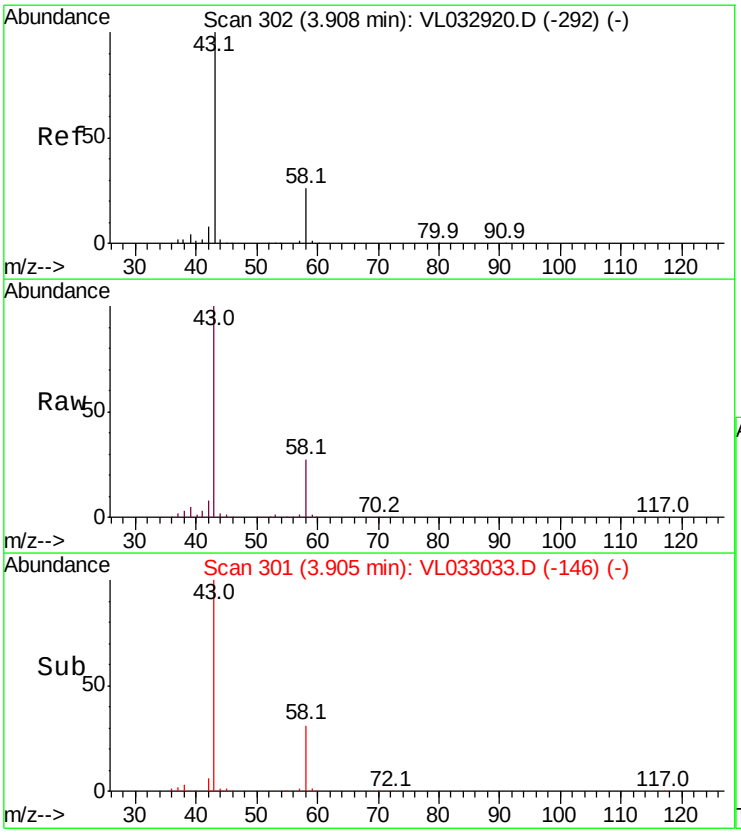
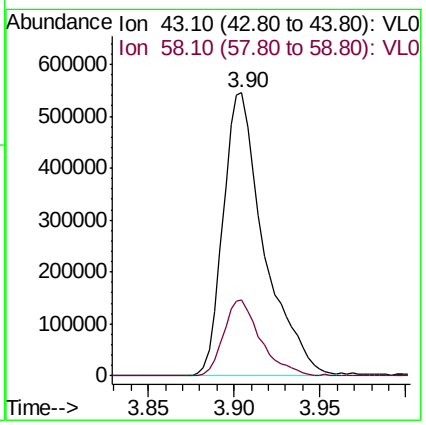
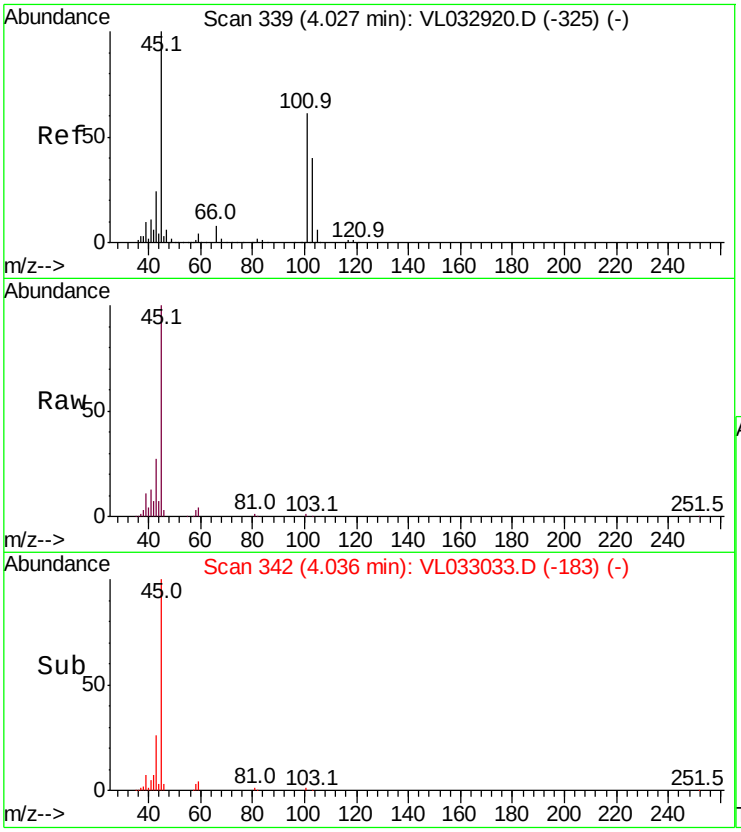


#15
Acetone
Concen: 9.089 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 43 Resp: 905142

Ion	Ratio	Lower	Upper
43	100		
58	24.6	20.6	30.8





#19
Isopropyl Alcohol
Concen: 2.466 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 45 Resp: 154208

Ion	Ratio	Lower	Upper
45	100		
58	144.1	1.4	2.2#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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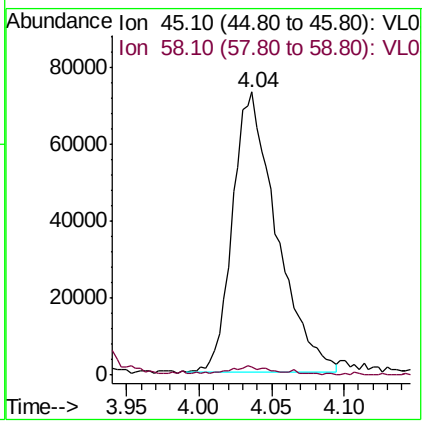
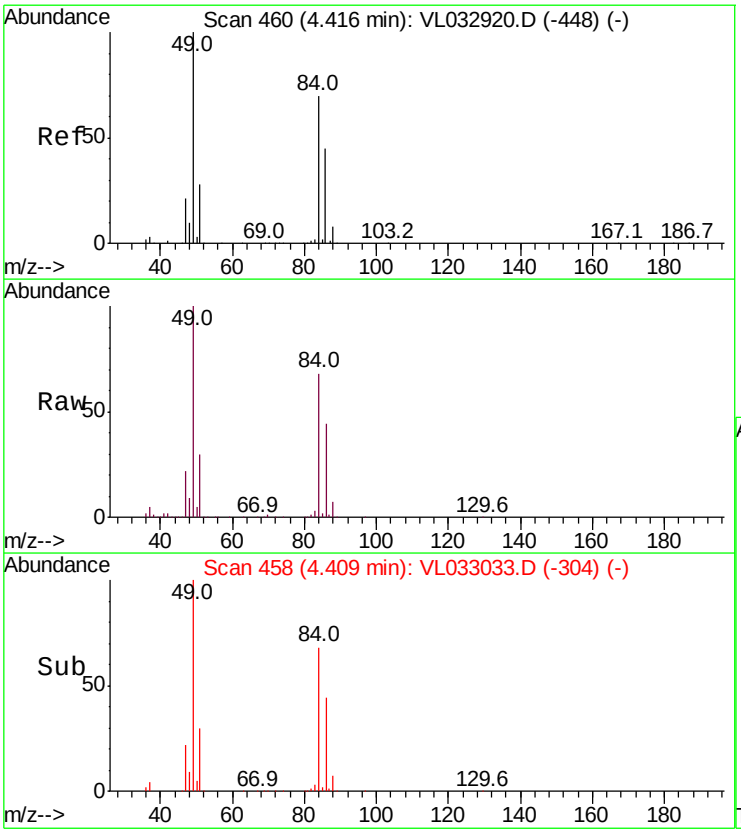
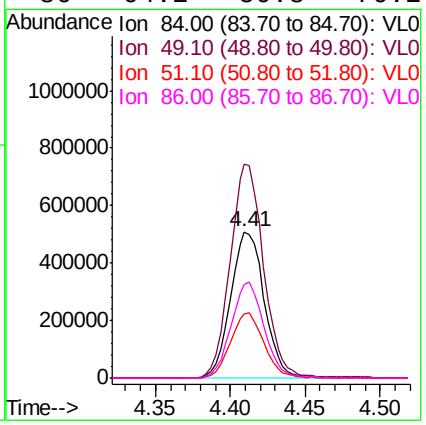


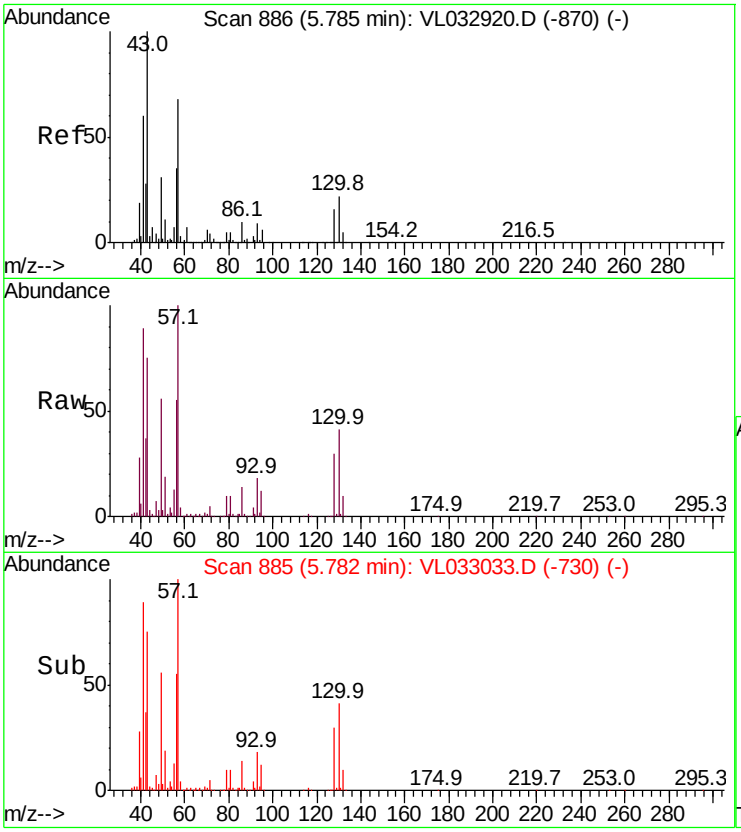


#20
Methylene Chloride
Concen: 16.375 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 84 Resp: 797052

Ion	Ratio	Lower	Upper
84	100		
49	146.3	113.8	170.8
51	44.1	31.8	47.8
86	64.2	50.8	76.2

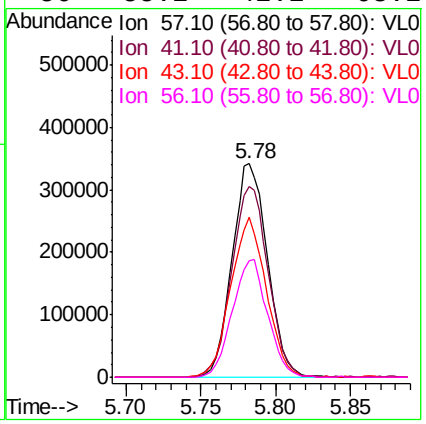




#26
Hexane
Concen: 5.182 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 57 Resp: 562803

Ion	Ratio	Lower	Upper
57	100		
41	92.4	72.2	108.2
43	75.7	171.9	257.9#
56	55.2	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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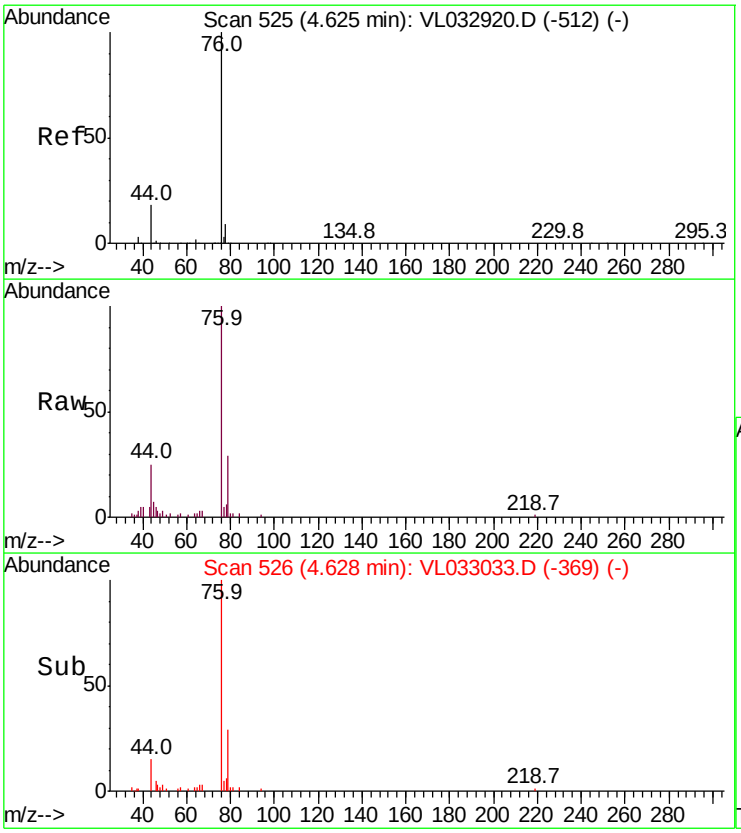
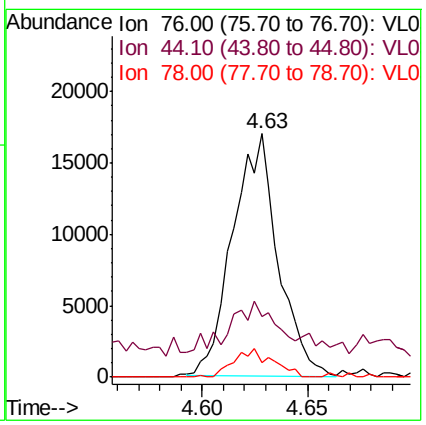
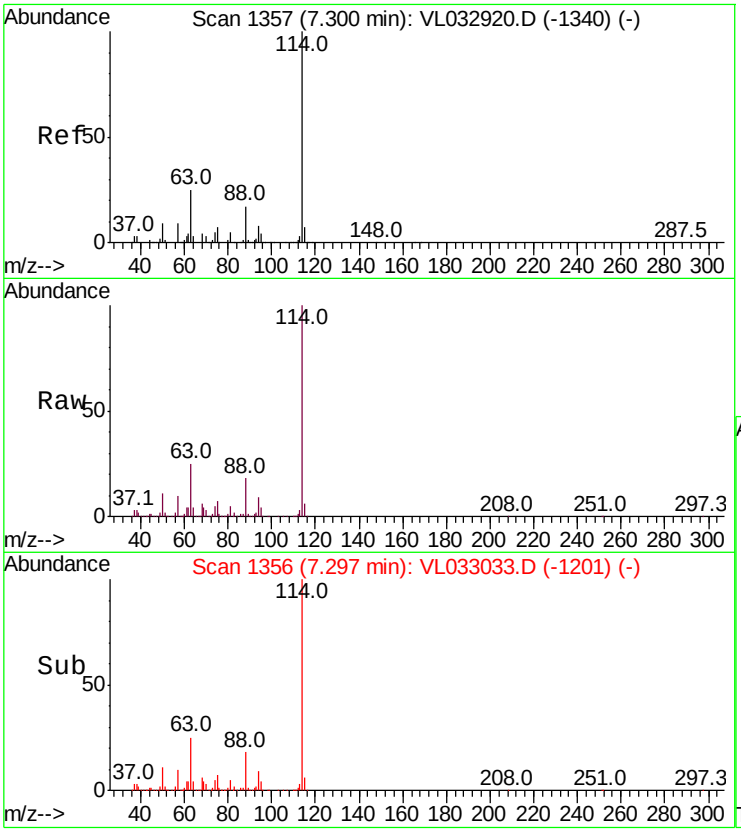


#27
Carbon Disulfide
Concen: 0.186 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 76 Resp: 25268

Ion	Ratio	Lower	Upper
76	100		
44	20.5	14.7	22.1
78	10.7	7.4	11.2

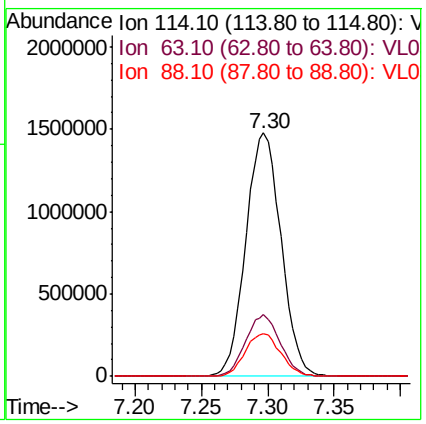




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion:114 Resp: 2737417

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.1	30.1
88	17.8	14.2	21.4



Instrument :
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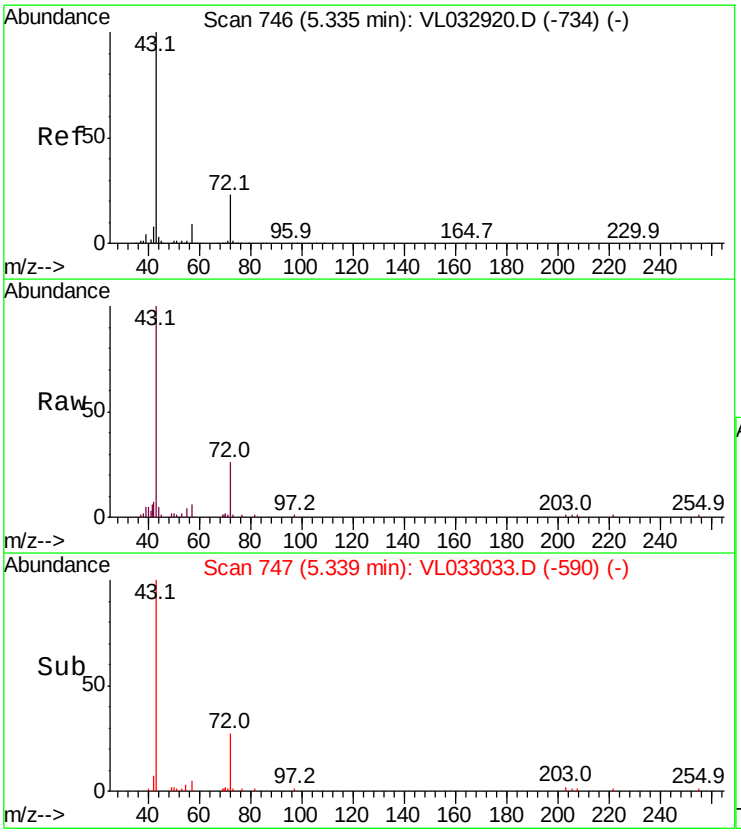
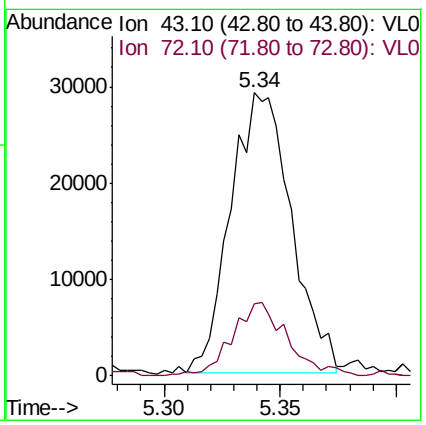
12/24/2018 8:26:23 AM

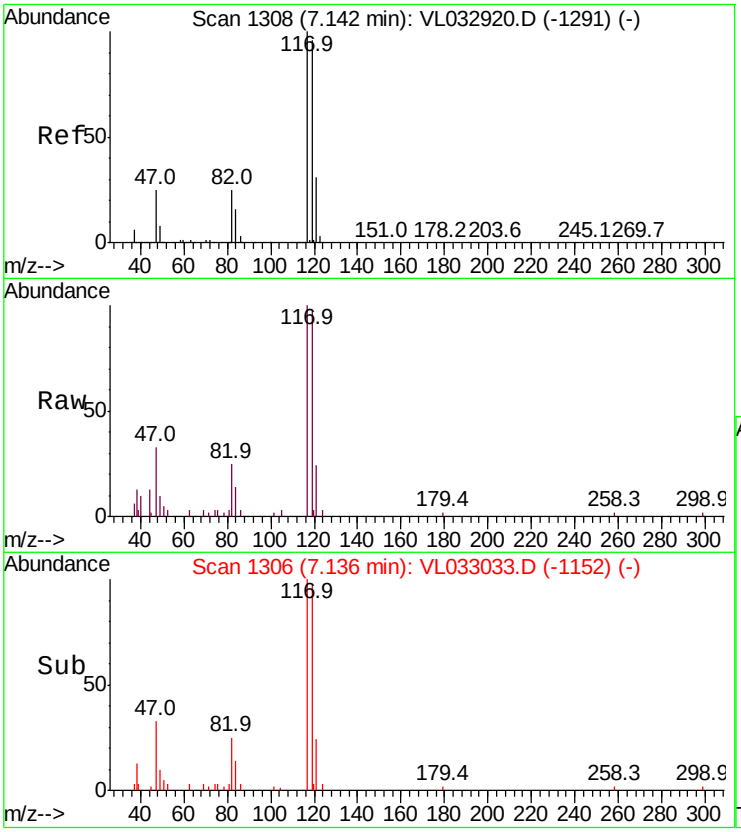


#34
2-Butanone
Concen: 0.445 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 43 Resp: 53102

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.8	28.2





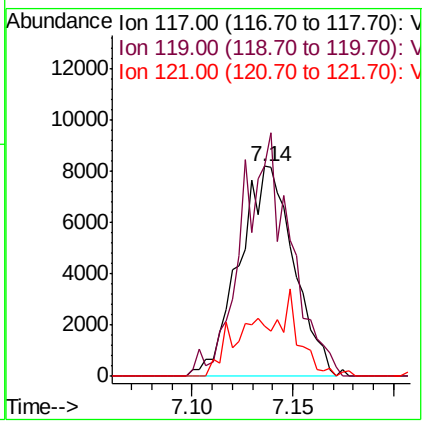
#35
Carbon Tetrachloride
Concen: 0.072 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

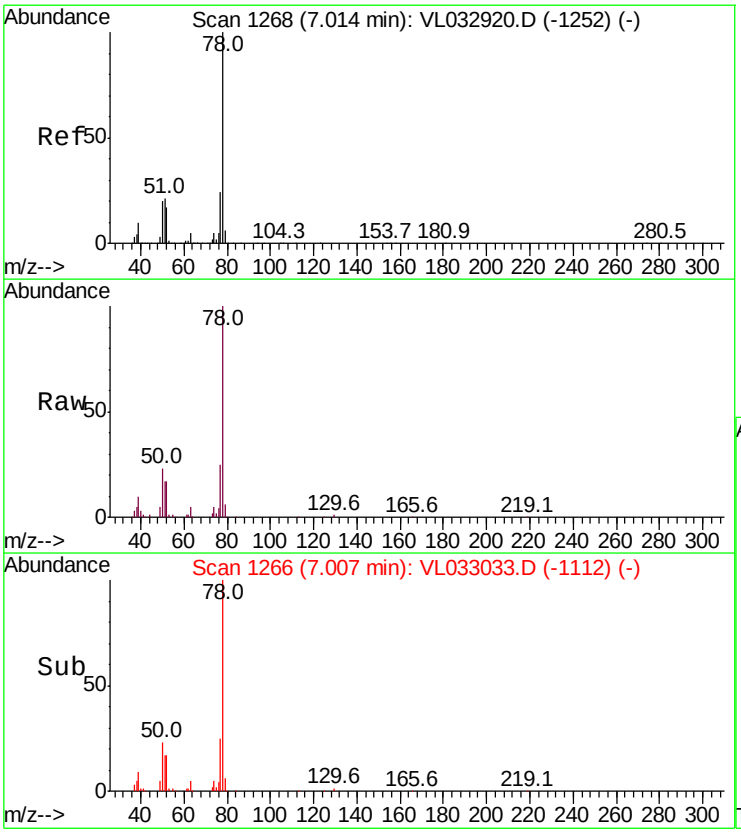
Tgt Ion:117 Resp: 15518

Ion	Ratio	Lower	Upper
117	100		
119	100.3	76.5	114.7
121	24.1	24.5	36.7#

Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
MMDadoda
12/24/2018 8:26:23 AM

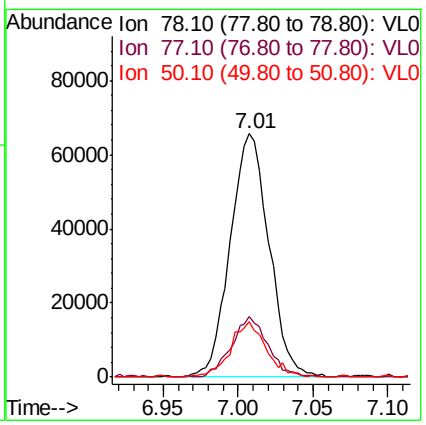


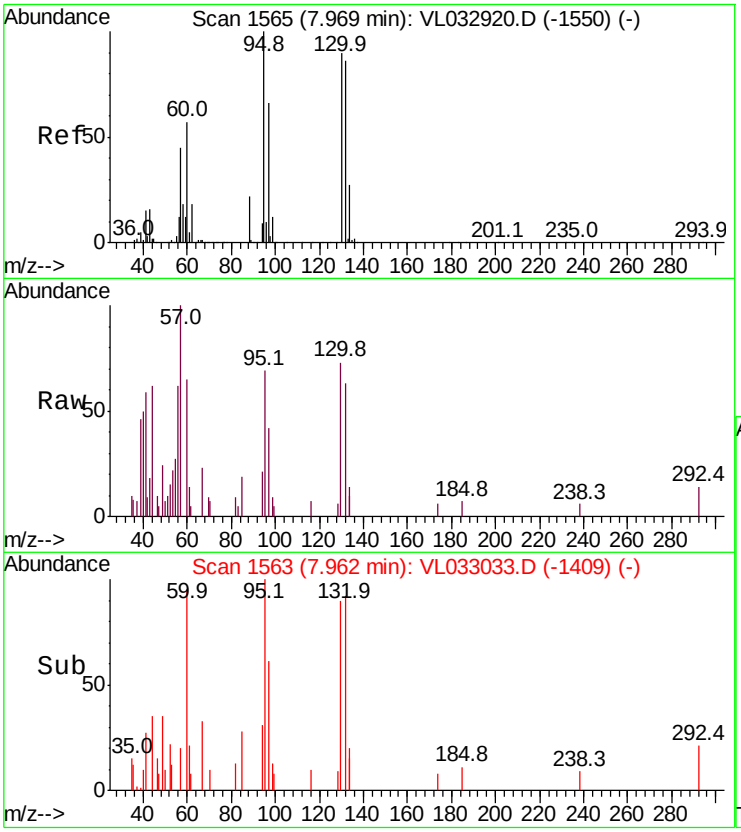


#36
Benzene
Concen: 0.589 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 78 Resp: 118590

Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.9	28.3
50	22.9	16.1	24.1

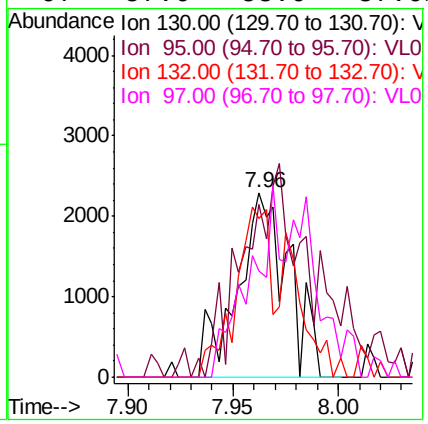




#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion:130 Resp: 3851

Ion	Ratio	Lower	Upper
130	100		
95	93.9	88.6	132.8
132	86.0	76.1	114.1
97	57.6	58.0	87.0#



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

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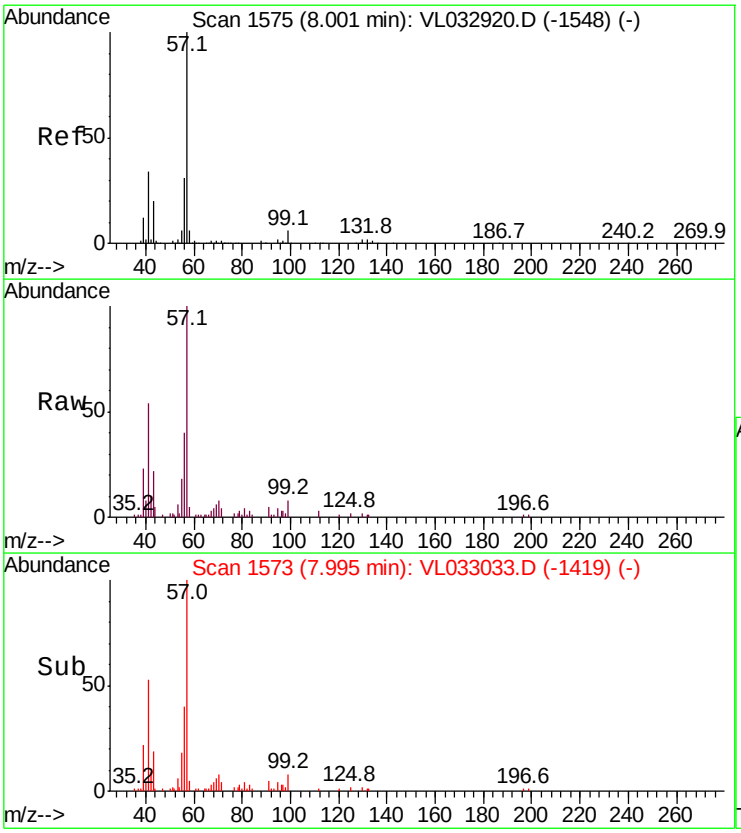
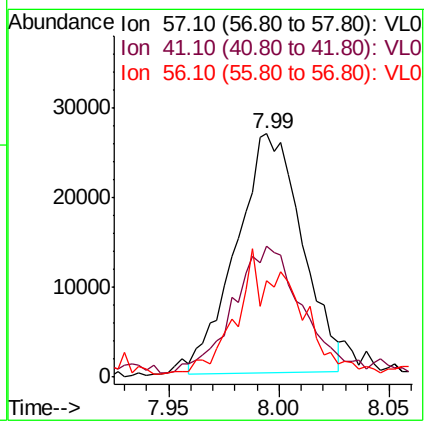
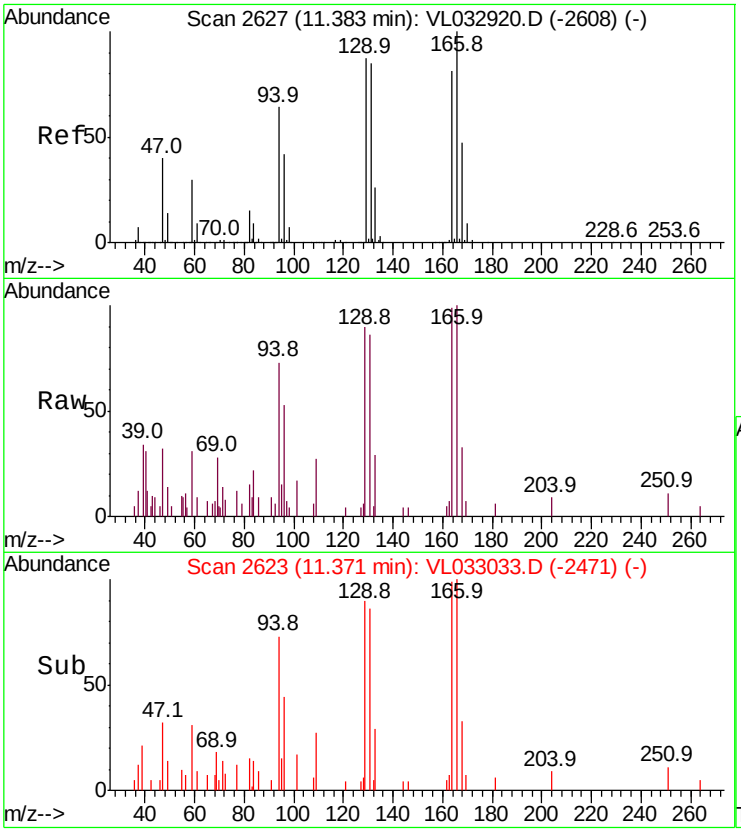


#44
2,2,4-Trimethylpentane
Concen: 0.161 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 57 Resp: 55046

Ion	Ratio	Lower	Upper
57	100		
41	63.9	27.0	40.4#
56	49.5	24.6	37.0#

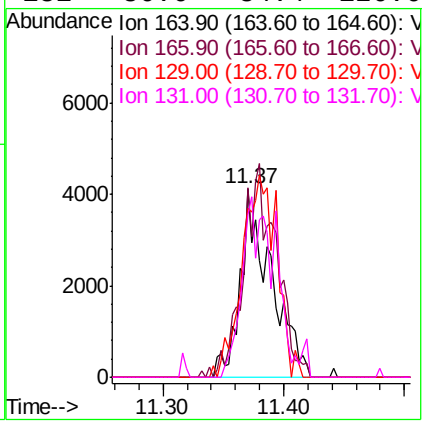




#52
Tetrachloroethene
Concen: 0.099 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion:164 Resp: 7259

Ion	Ratio	Lower	Upper
164	100		
166	100.6	98.8	148.2
129	90.1	85.5	128.3
131	86.6	84.4	126.6



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
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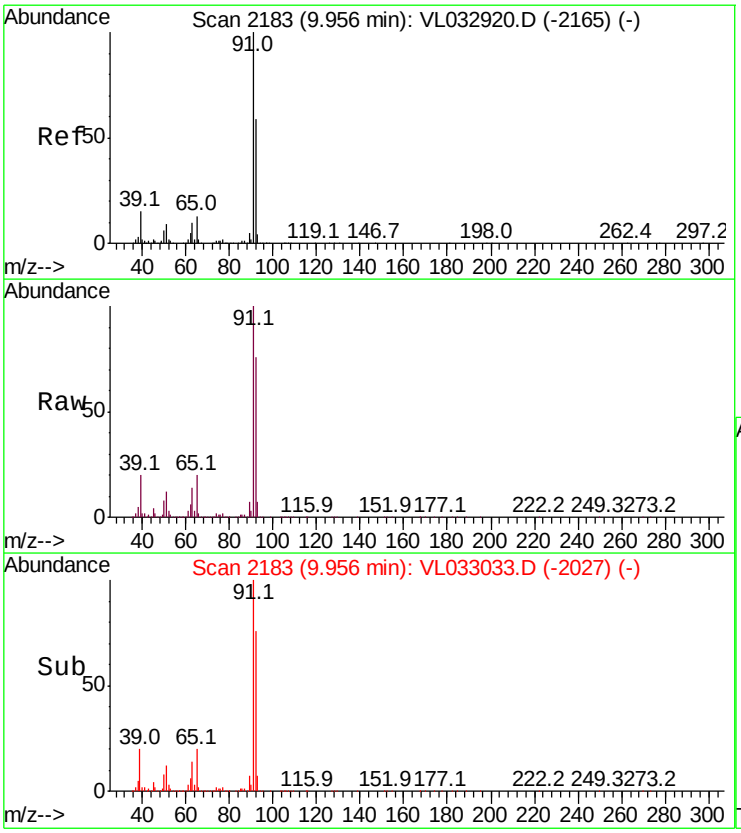
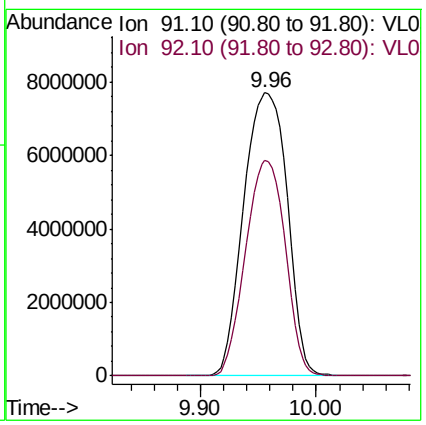
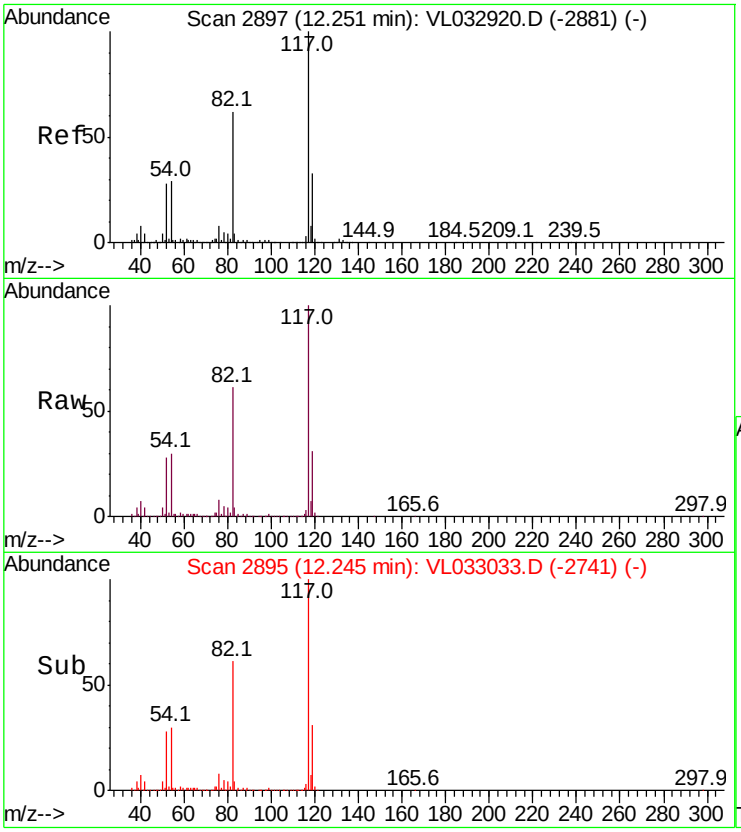


#53
Toluene
Concen: 94.232 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 91 Resp:20122093

Ion	Ratio	Lower	Upper
91	100		
92	69.7	47.4	71.0

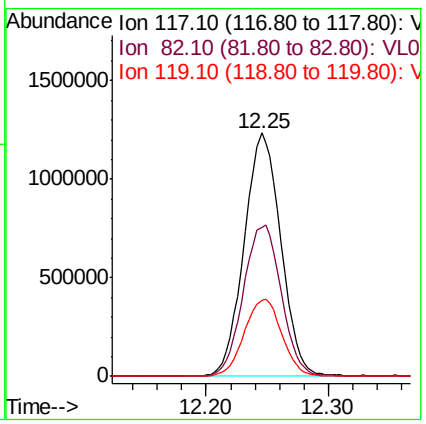




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion:117 Resp: 2557329

Ion	Ratio	Lower	Upper
117	100		
82	64.4	47.8	71.8
119	32.5	43.1	64.7#



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

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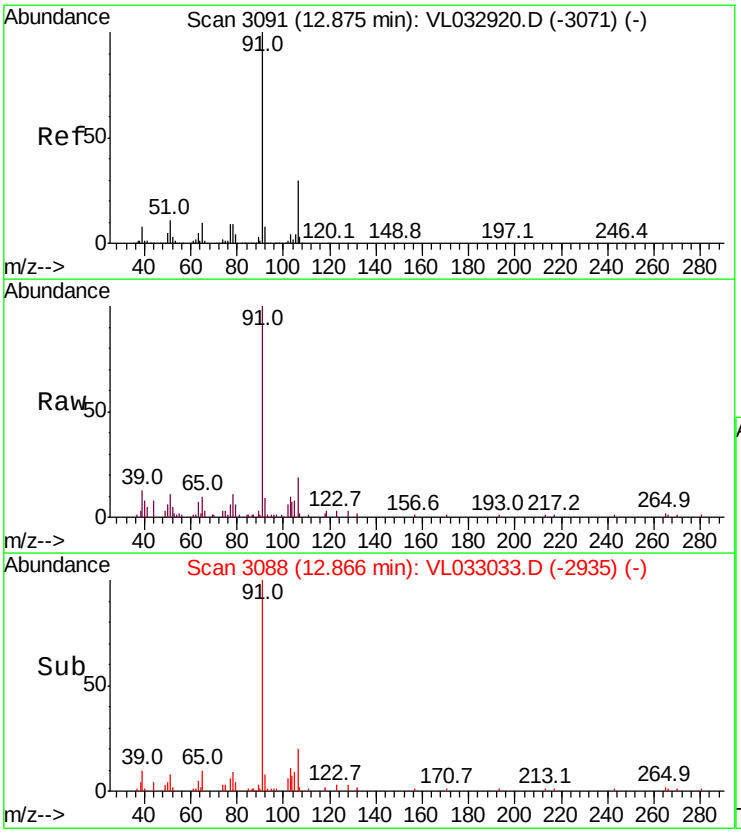
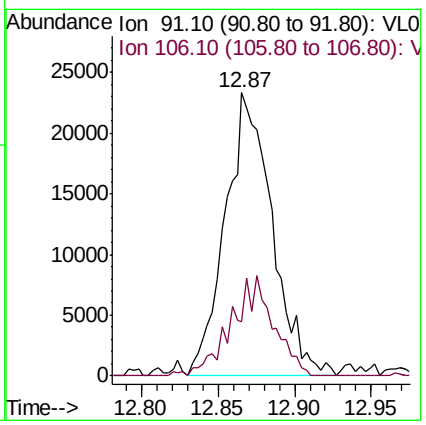
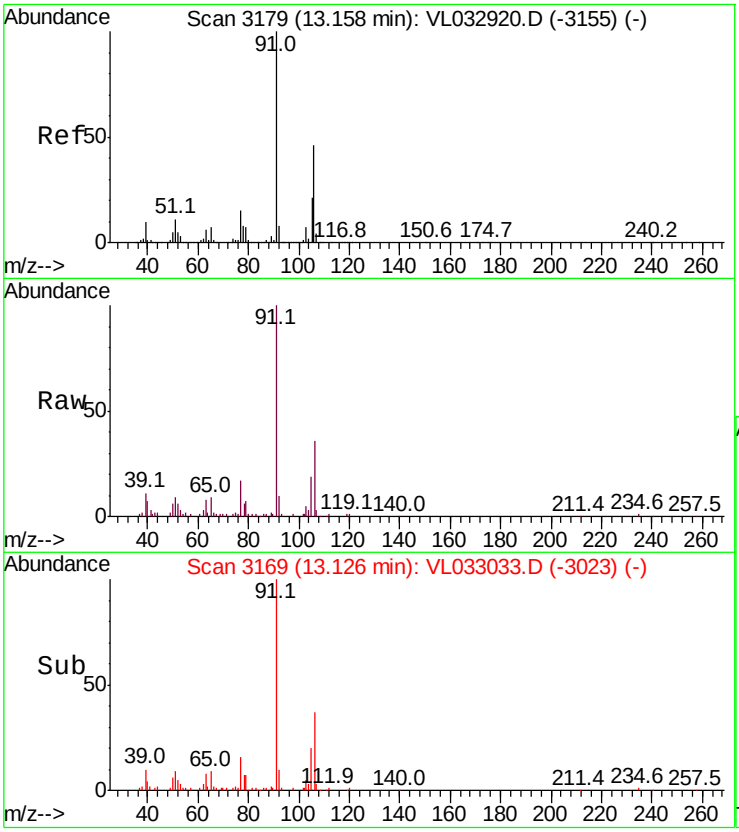


#58
Ethyl Benzene
Concen: 0.181 ppbv m
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 91 Resp: 49293

Ion	Ratio	Lower	Upper
91	100		
106	19.2	23.9	35.9#

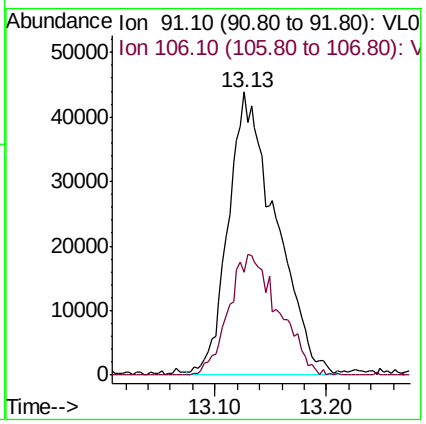




#59
m/p-Xylene
Concen: 0.527 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 91 Resp: 130366

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

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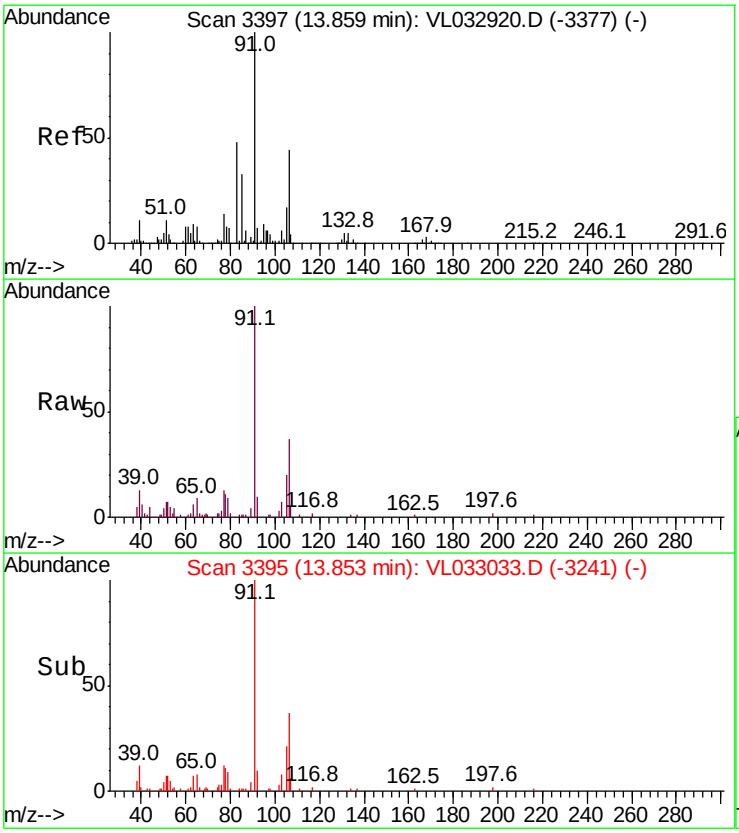
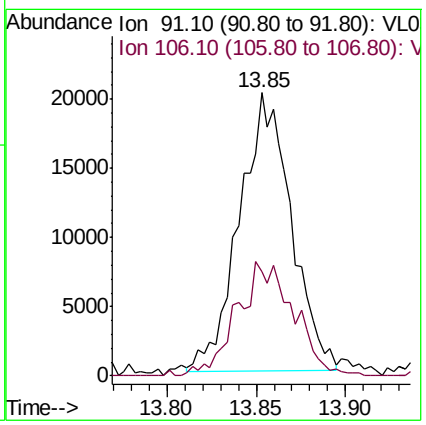
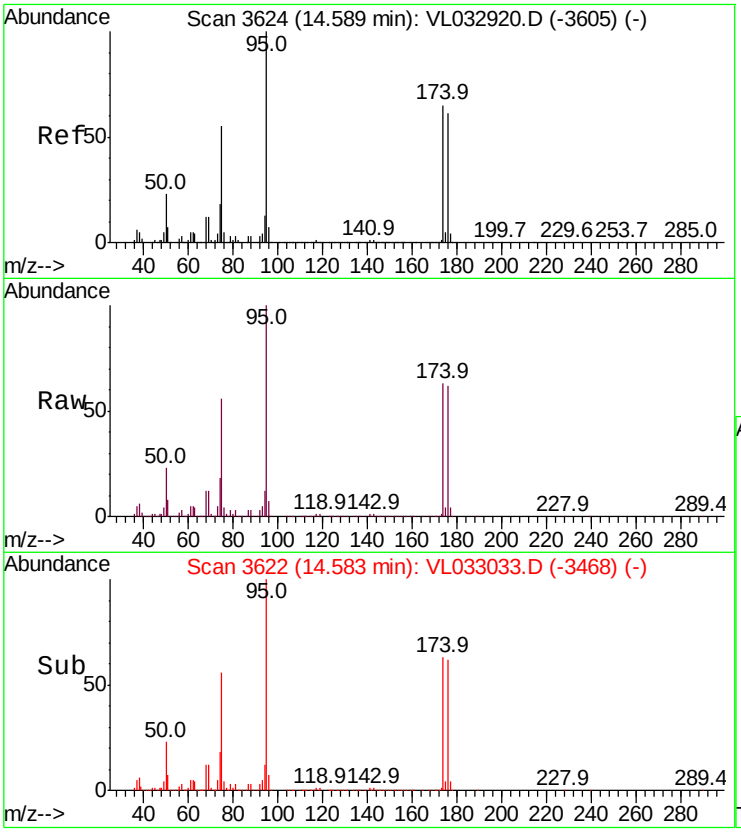


#60
o-Xylene
Concen: 0.162 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion: 91 Resp: 40524

Ion	Ratio	Lower	Upper
91	100		
106	45.1	21.9	65.8

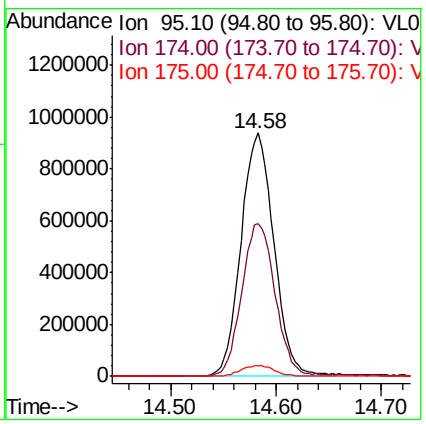




#68
1-Bromo-4-Fluorobenzene
Concen: 10.792 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

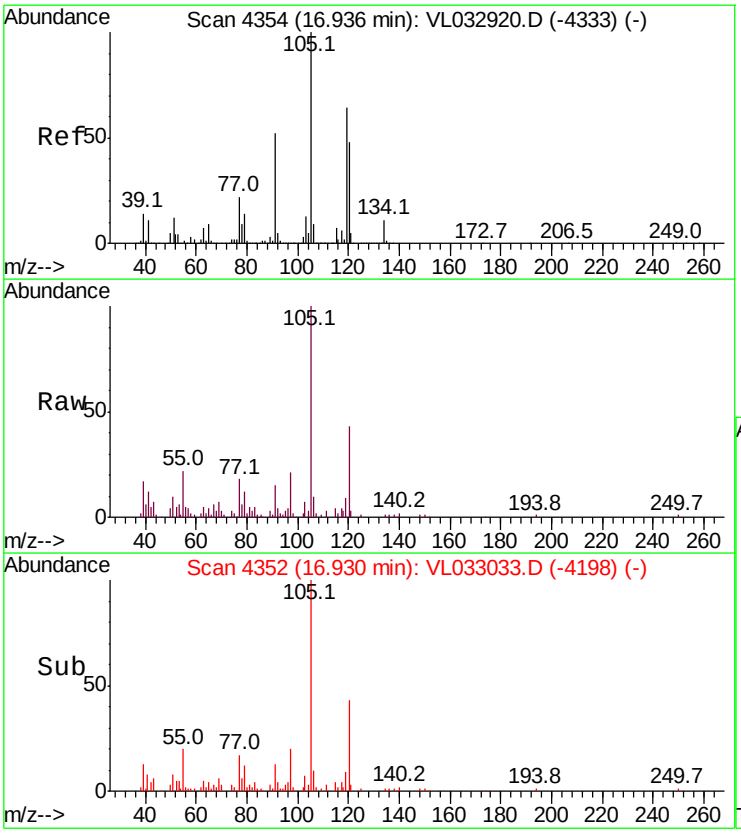
Tgt Ion: 95 Resp: 2039000

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.4	77.0
175	4.6	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
YT-CBA-LTM5-03

Manual Integrations APPROVED
MMDadoda
12/24/2018 8:26:23 AM



#74
1,2,4-Trimethylbenzene
Concen: 0.235 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL033033.D
Acq: 20 Dec 2018 20:02

Tgt Ion:105 Resp: 72303

Ion	Ratio	Lower	Upper
105	100		
120	43.9	38.6	58.0
91	13.7	41.7	62.5#
77	16.6	17.4	26.2#