Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122018\
Data File : VL033031.D
Acq On : 20 Dec 2018 18:44
Operator : SY/AP
Sample : J6444-05RE
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

Manual Integrations APPROVED
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Quant Time: Dec 23 11:14:19 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	5.76	49	1191222	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2730899	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1962040	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1974501	13.62	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 136.20%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	81053	0.510	ppbv		98
3) Chlorodifluoromethane	3.02	51	58218m	0.645	ppbv		
4) Chloromethane	3.18	50	31035	0.591	ppbv		95
9) Propene	3.05	41	52344m	1.467	ppbv		
11) Trichlorofluoromethane	4.01	101	43699	0.292	ppbv		94
13) Ethanol	3.66	45	154787	12.602	ppbv		96
15) Acetone	3.91	43	367271	3.592	ppbv		96
19) Isopropyl Alcohol	4.04	45	91361	1.423	ppbv	#	91
20) Methylene Chloride	4.41	84	194151	3.885	ppbv		99
26) Hexane	5.78	57	188697	1.692	ppbv	#	52
34) 2-Butanone	5.34	43	35883m	0.302	ppbv		
35) Carbon Tetrachloride	7.14	117	14996m	0.070	ppbv		
36) Benzene	7.00	78	70633m	0.352	ppbv		
52) Tetrachloroethene	11.38	164	2326m	0.032	ppbv		
53) Toluene	9.95	91	635516	2.983	ppbv		98
59) m/p-Xylene	13.12	91	42603m	0.225	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122018\
Data File : VL033031.D
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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

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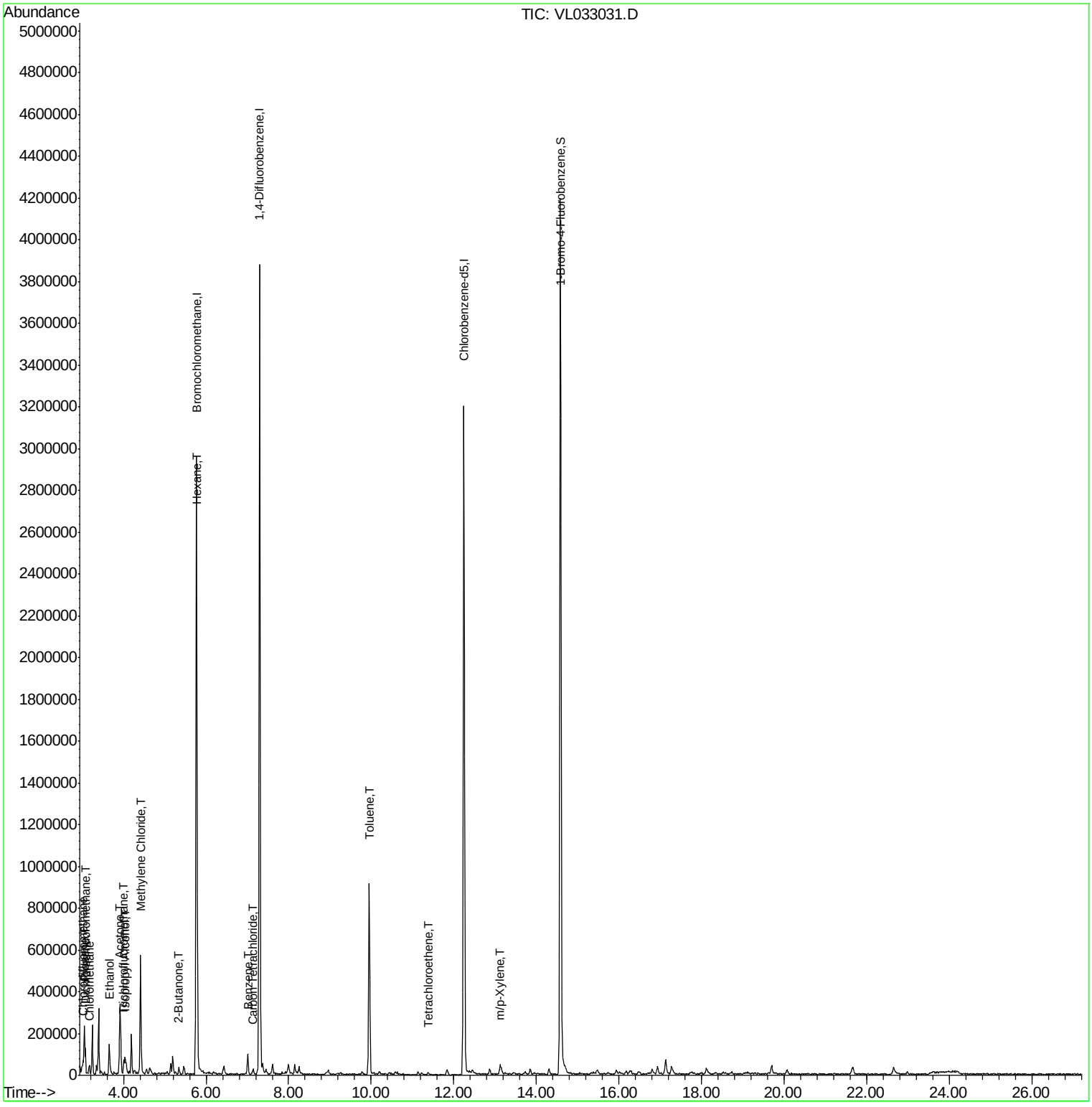
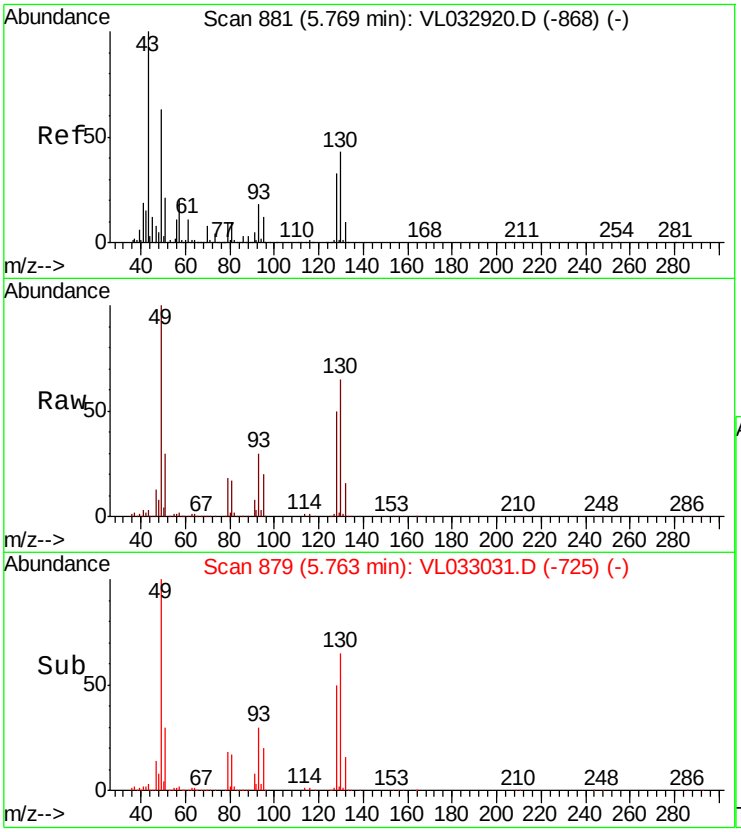
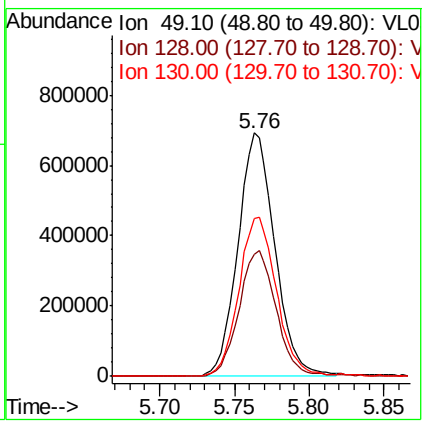




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 49 Resp: 1191222

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.3	78.8
130	67.3	33.9	101.7



Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

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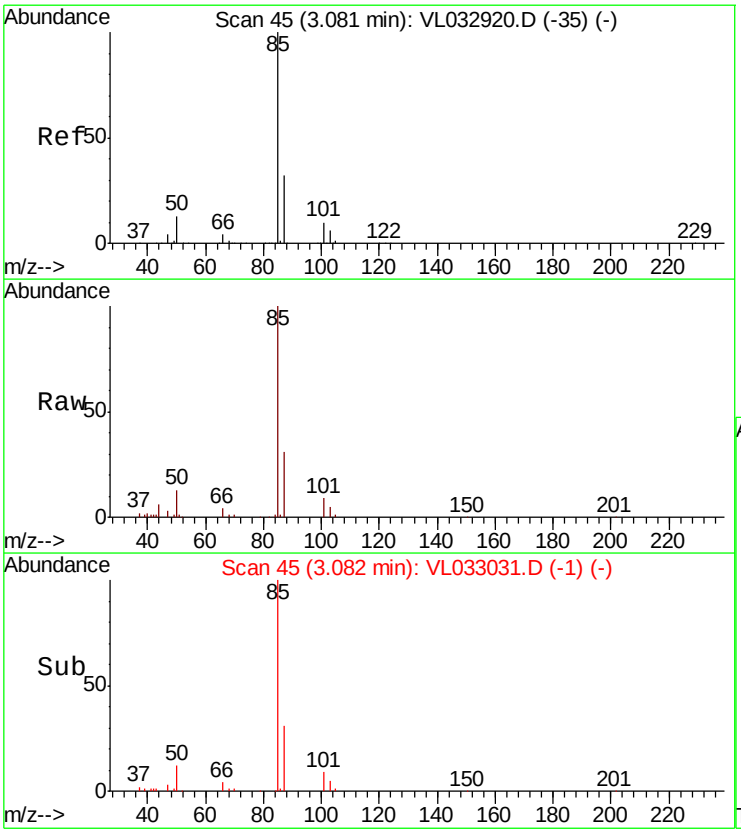
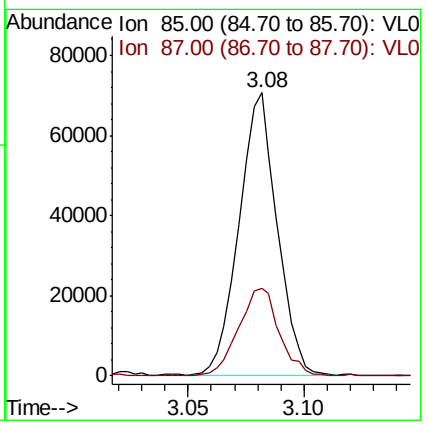
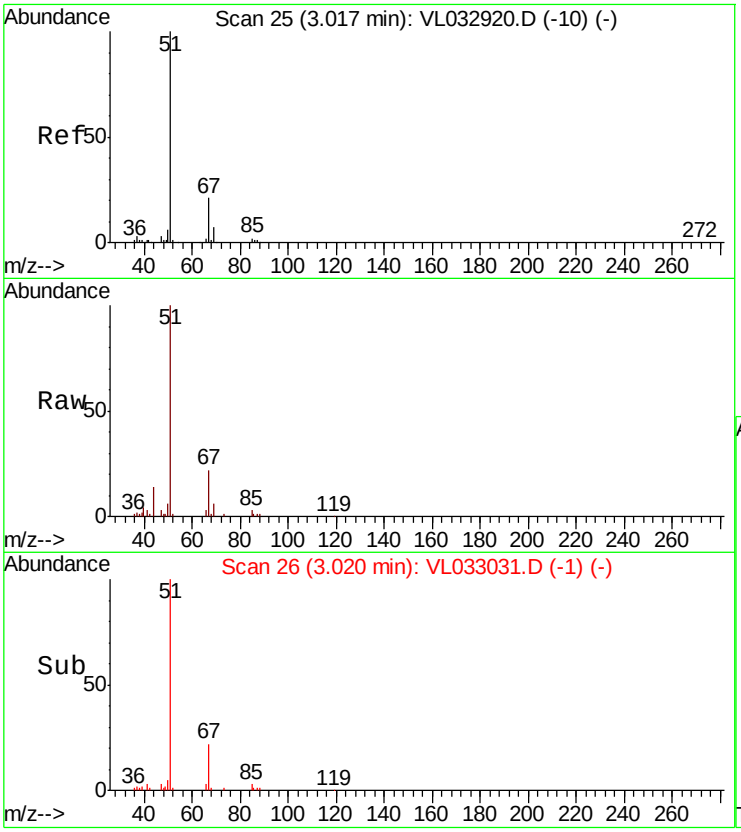


#2
Dichlorodifluoromethane
Concen: 0.510 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 85 Resp: 81053

Ion	Ratio	Lower	Upper
85	100		
87	31.1	25.7	38.5





#3
Chlorodifluoromethane
Concen: 0.645 ppbv m
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 51 Resp: 58218

Ion	Ratio	Lower	Upper
51	100		
67	20.5	16.8	25.2

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

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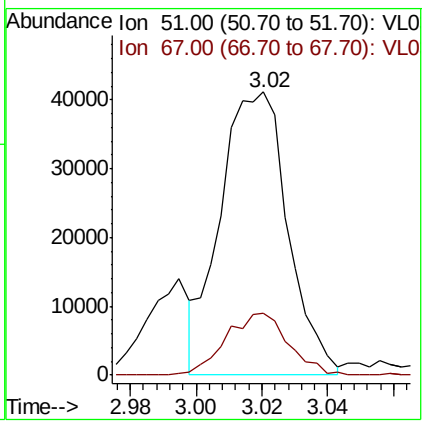
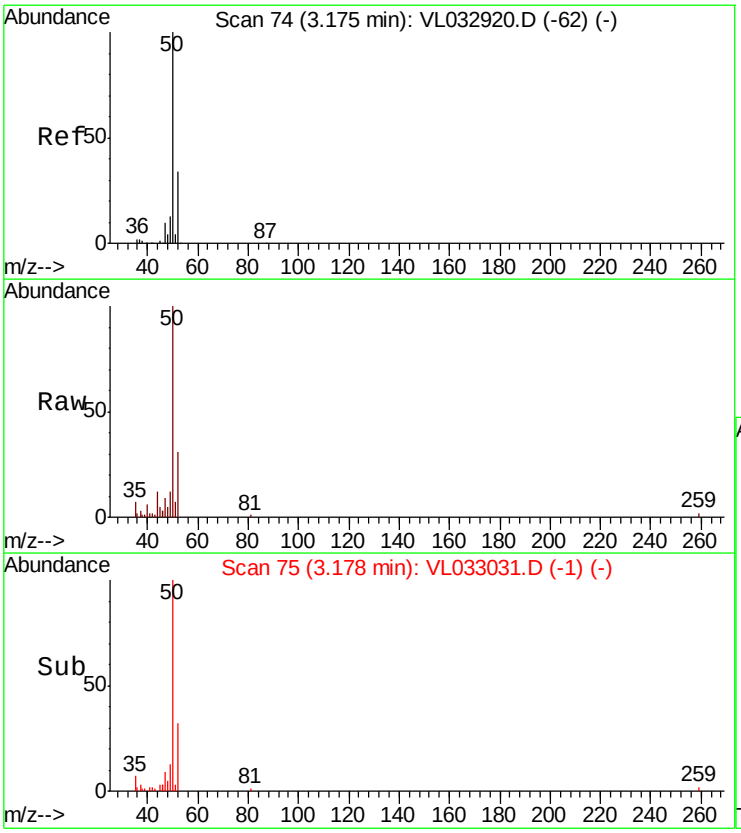
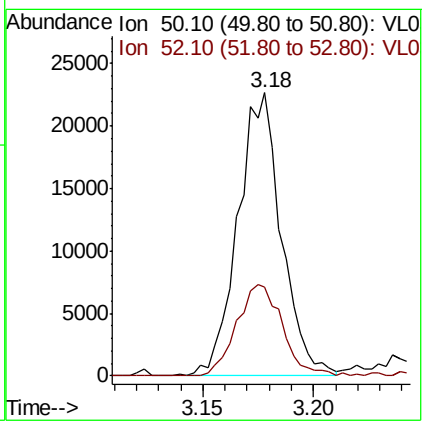


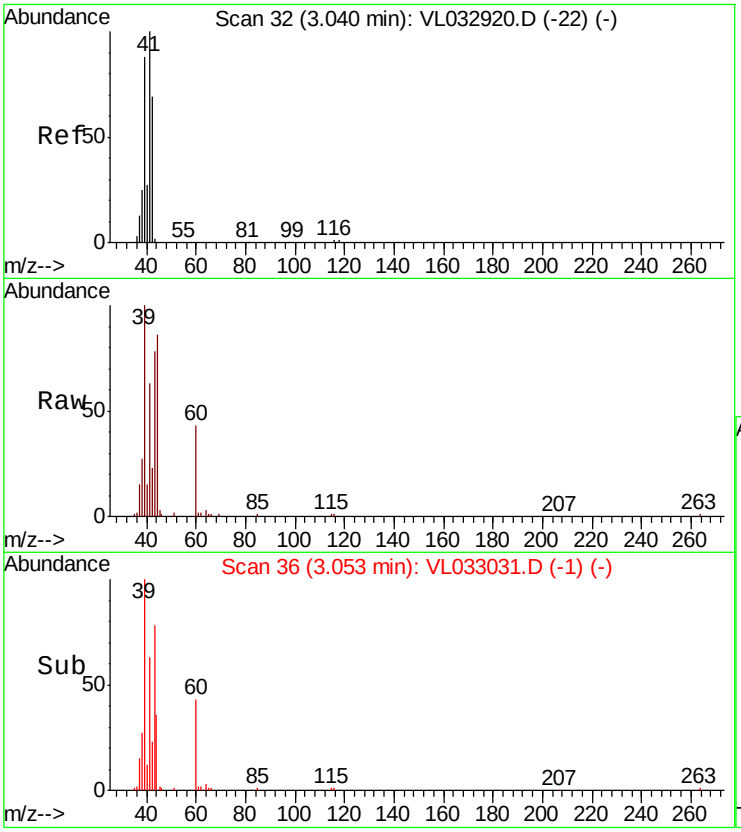


#4
Chloromethane
Concen: 0.591 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 50 Resp: 31035

Ion	Ratio	Lower	Upper
50	100		
52	31.4	27.3	40.9





#9
Propene
Concen: 1.467 ppbv m
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 41 Resp: 52344

Ion	Ratio	Lower	Upper
41	100		
42	75.0	56.2	84.2

Instrument :
MSVOA_L
ClientSampleId :
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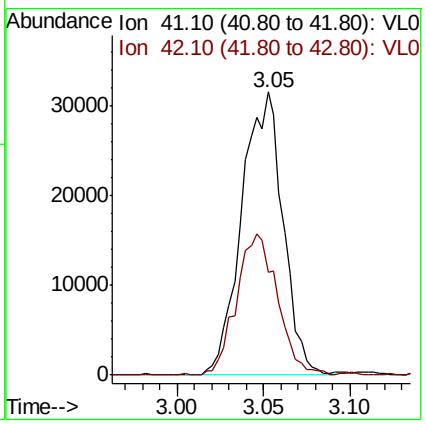
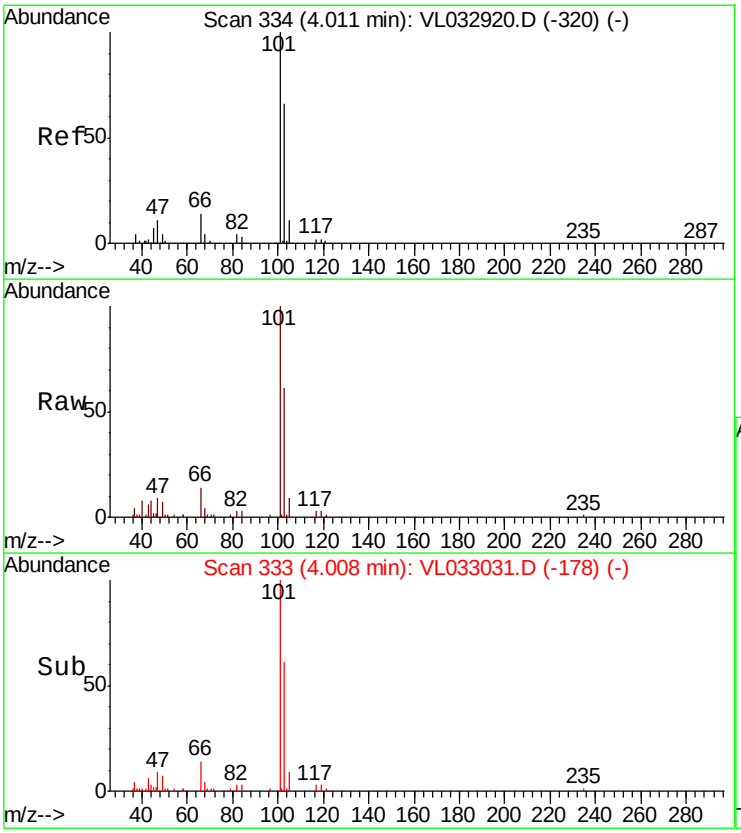
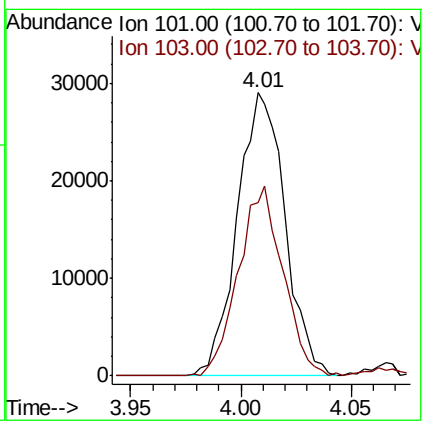


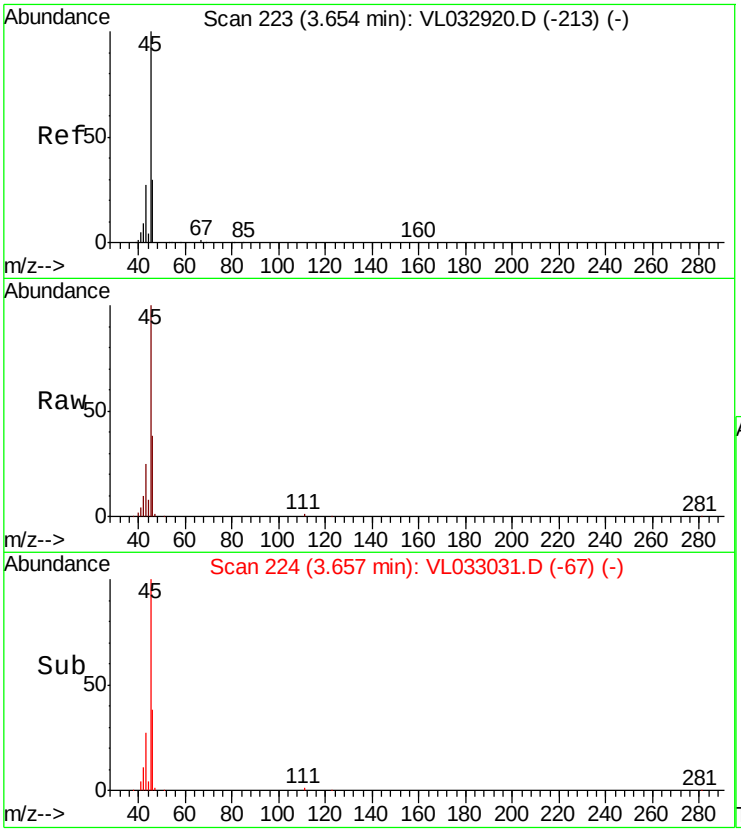


#11
Trichlorofluoromethane
Concen: 0.292 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion:101 Resp: 43699

Ion	Ratio	Lower	Upper
101	100		
103	61.3	52.7	79.1

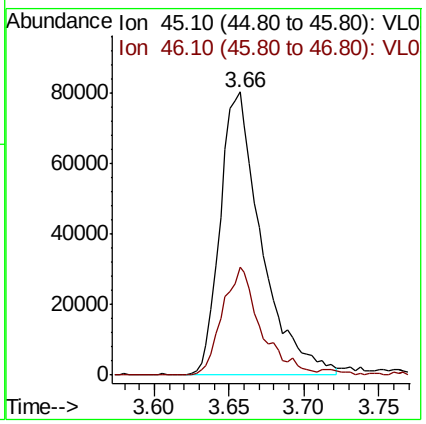




#13
Ethanol
Concen: 12.602 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 45 Resp: 154787

Ion	Ratio	Lower	Upper
45	100		
46	36.7	13.8	55.4



Instrument :
MSVOA_L
ClientSampleId :
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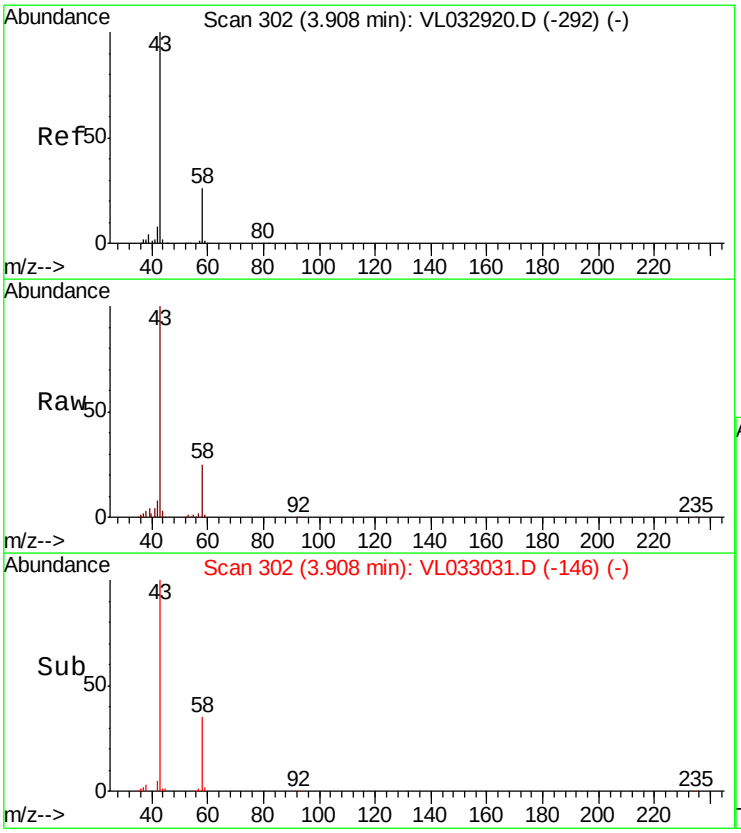
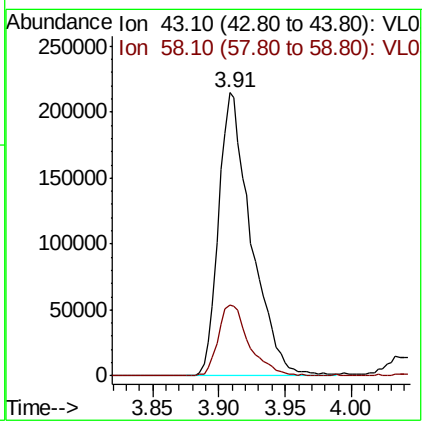
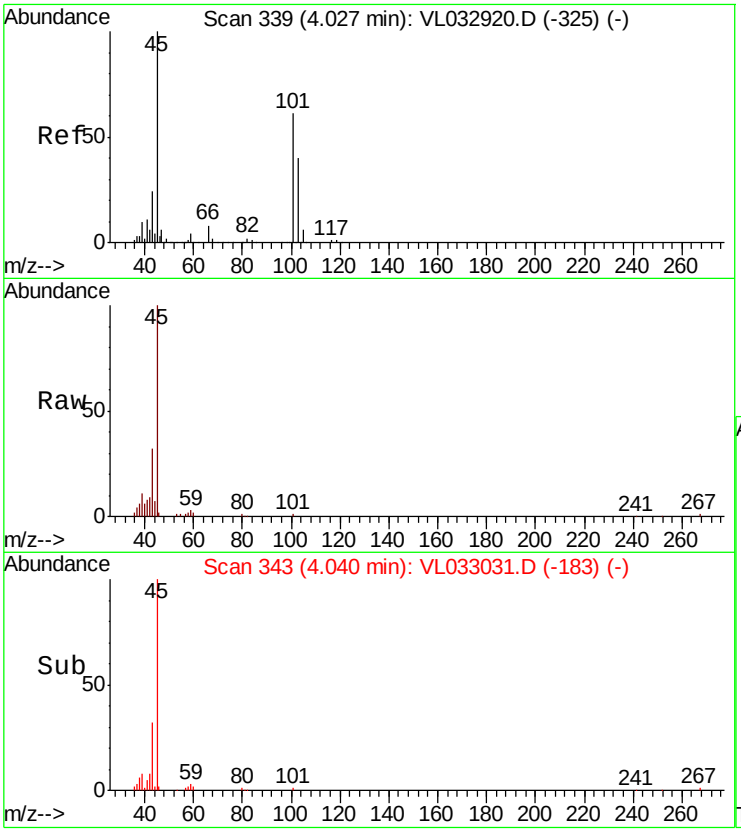


#15
Acetone
Concen: 3.592 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 43 Resp: 367271

Ion	Ratio	Lower	Upper
43	100		
58	23.8	20.6	30.8

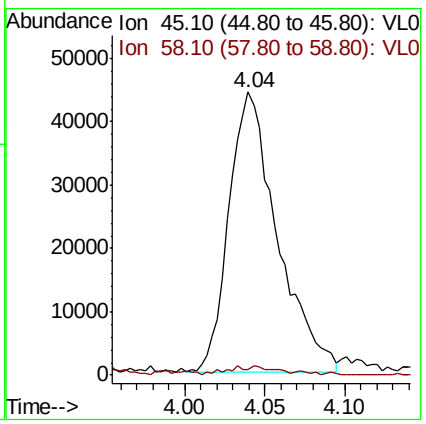




#19
Isopropyl Alcohol
Concen: 1.423 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 45 Resp: 91361

Ion	Ratio	Lower	Upper
45	100		
58	5.0	1.4	2.2#



Instrument :
MSVOA_L
ClientSampleId :
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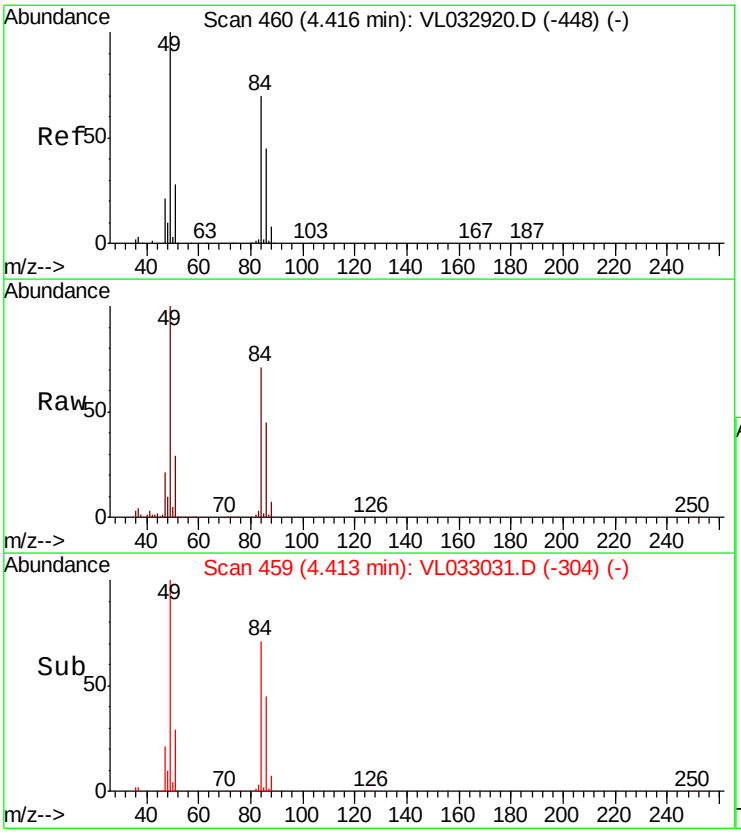
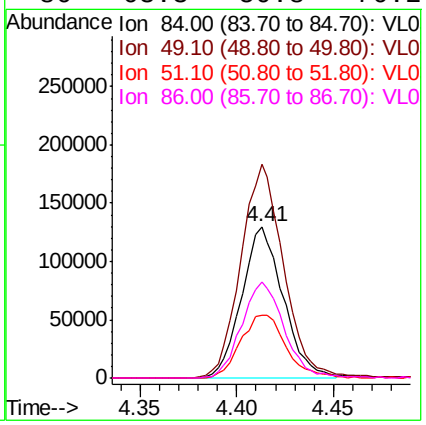
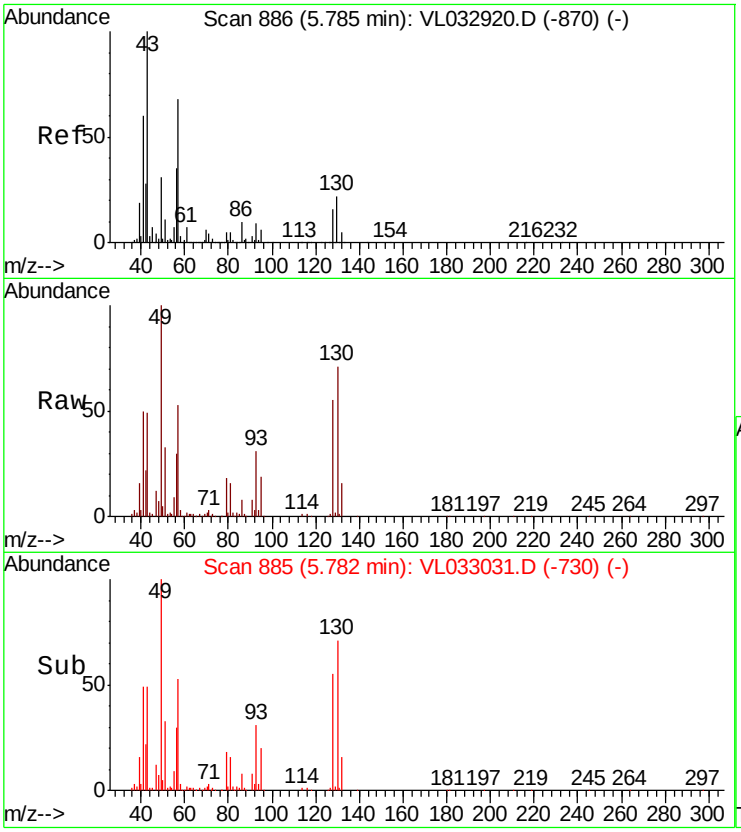


#20
Methylene Chloride
Concen: 3.885 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 84 Resp: 194151

Ion	Ratio	Lower	Upper
84	100		
49	141.3	113.8	170.8
51	40.8	31.8	47.8
86	63.3	50.8	76.2

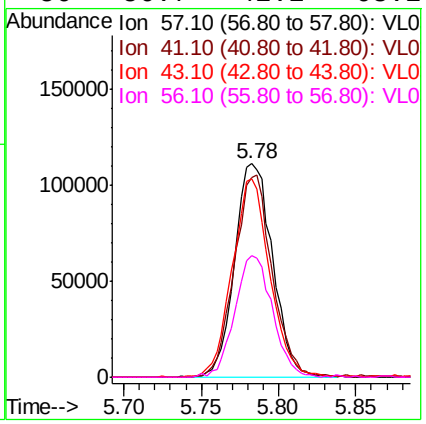




#26
Hexane
Concen: 1.692 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 57 Resp: 188697

Ion	Ratio	Lower	Upper
57	100		
41	94.8	72.2	108.2
43	92.7	171.9	257.9#
56	56.7	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

Manual Integrations APPROVED
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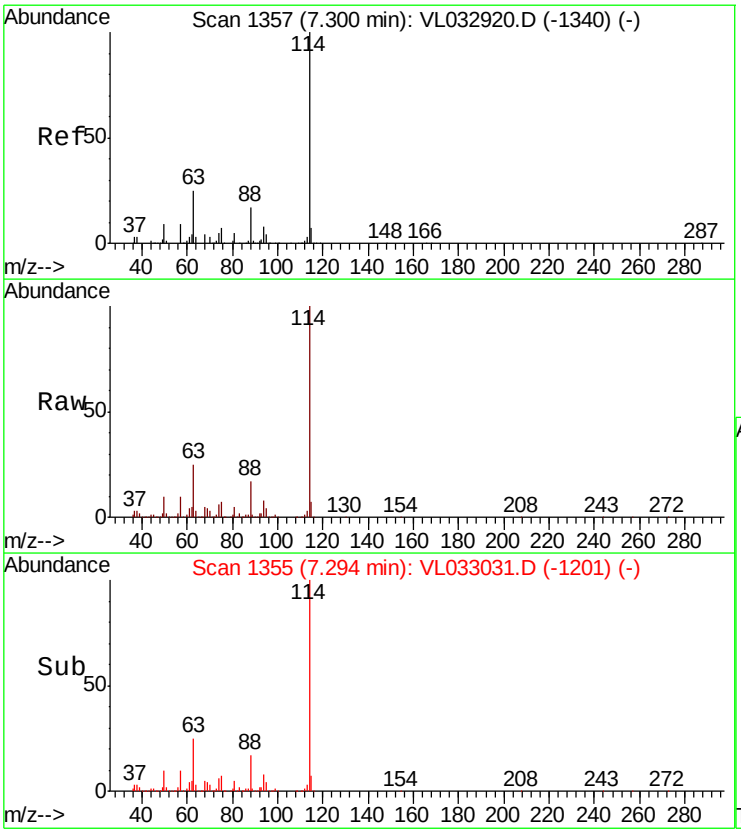
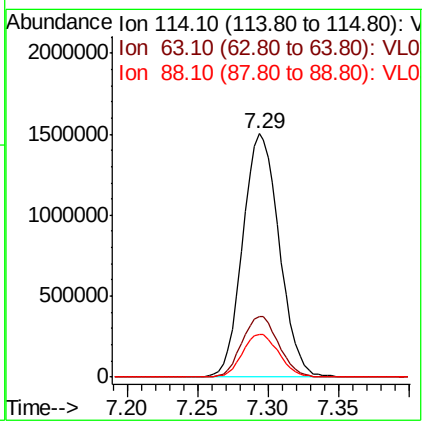
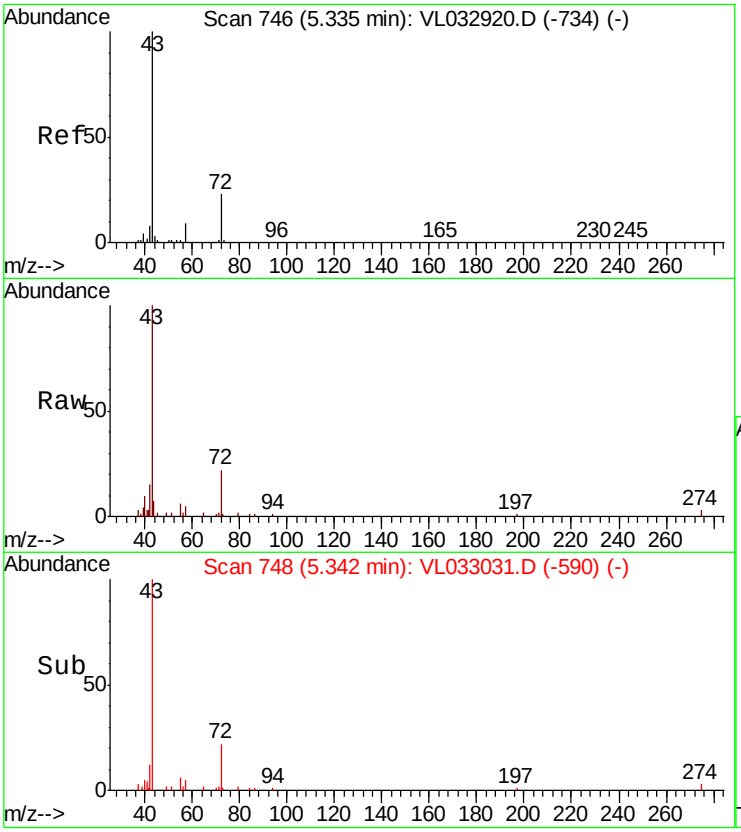


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion:114 Resp: 2730899

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.6	14.2	21.4





#34
2-Butanone
Concen: 0.302 ppbv m
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 43 Resp: 35883

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.8	28.2#

Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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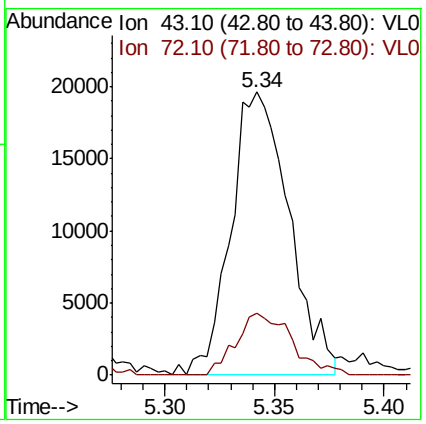
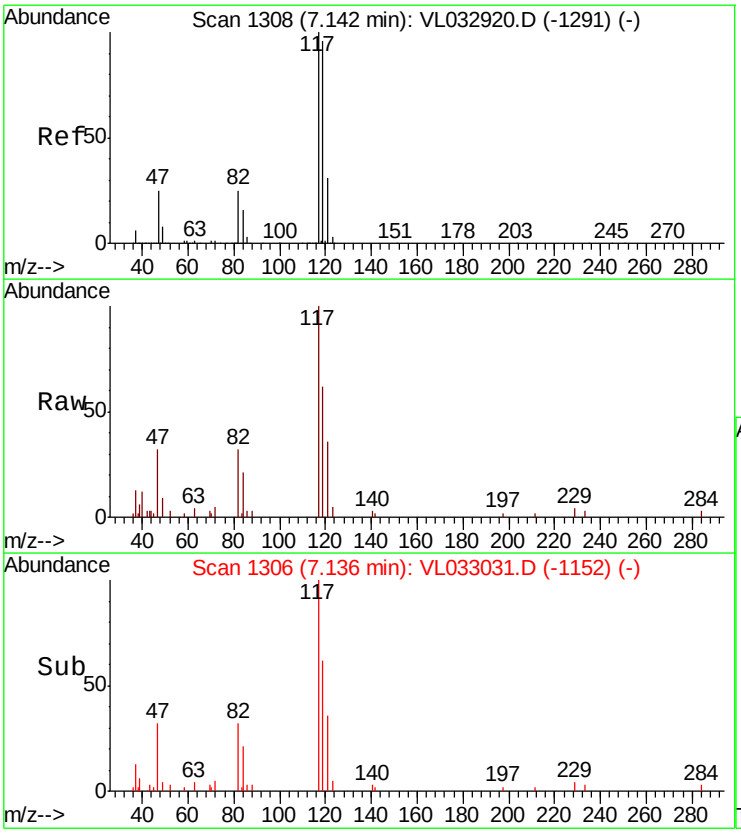
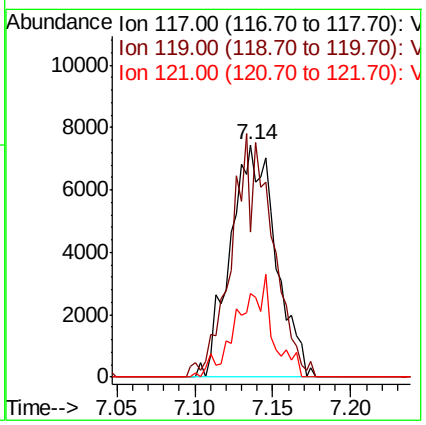


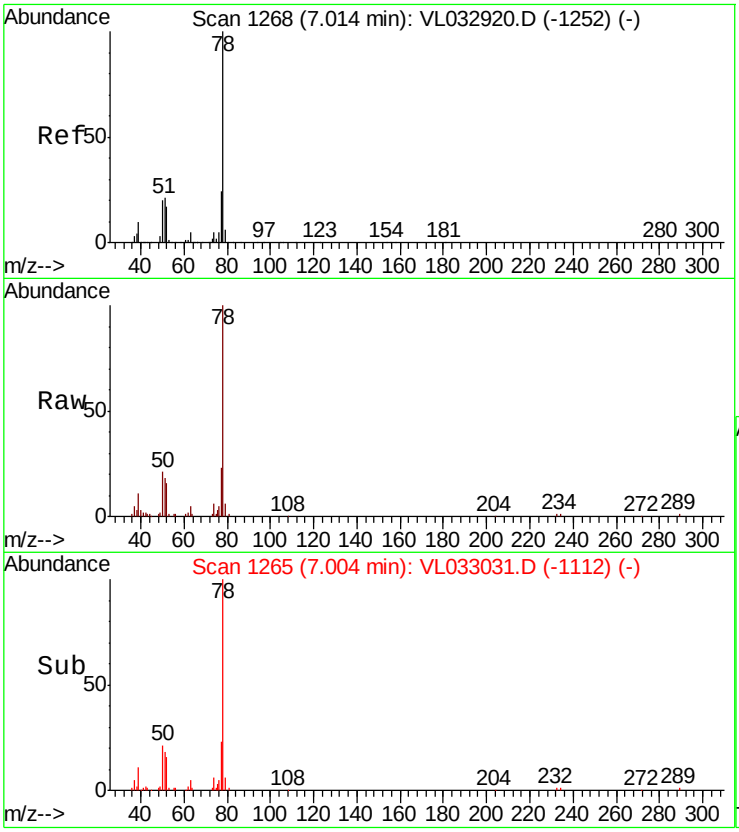


#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion:117 Resp: 14996

Ion	Ratio	Lower	Upper
117	100		
119	62.2	76.5	114.7#
121	36.1	24.5	36.7

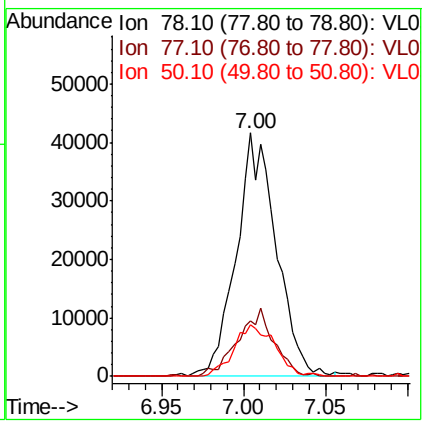




#36
Benzene
Concen: 0.352 ppbv m
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 78 Resp: 70633

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3
50	21.4	16.1	24.1



Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

Manual Integrations APPROVED
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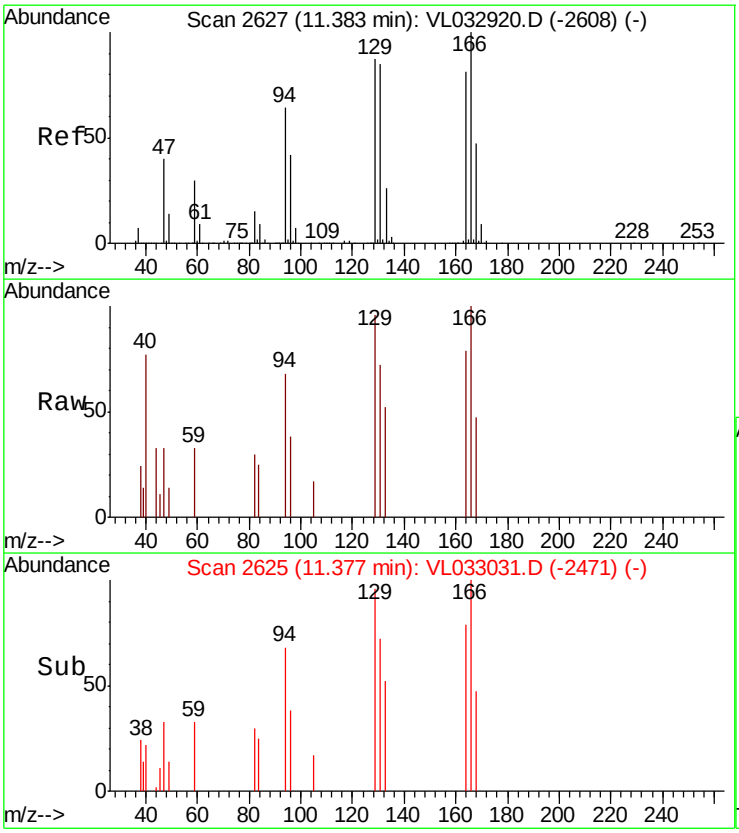
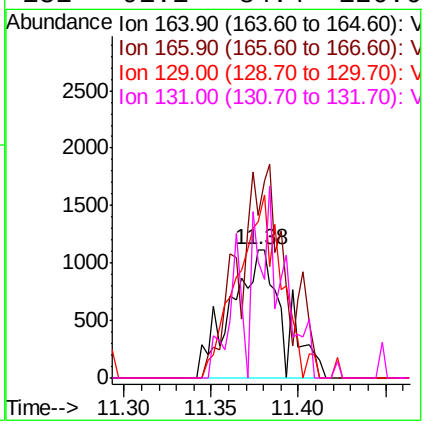
12/24/2018 8:26:22 AM

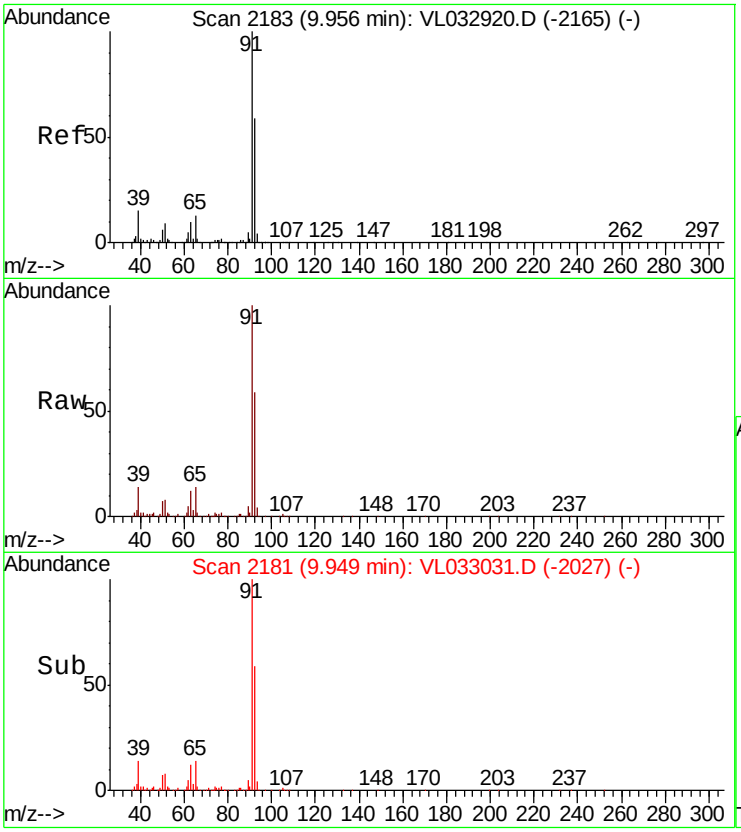


#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion:164 Resp: 2326

Ion	Ratio	Lower	Upper
164	100		
166	127.2	98.8	148.2
129	121.8	85.5	128.3
131	91.1	84.4	126.6





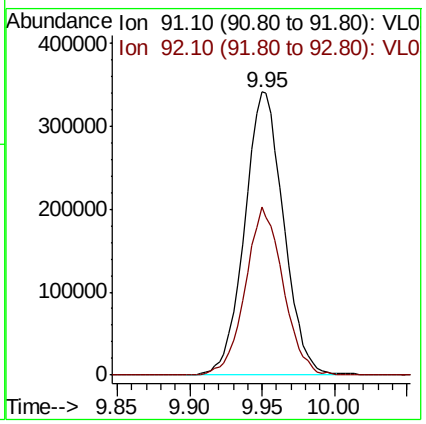
#53
Toluene
Concen: 2.983 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

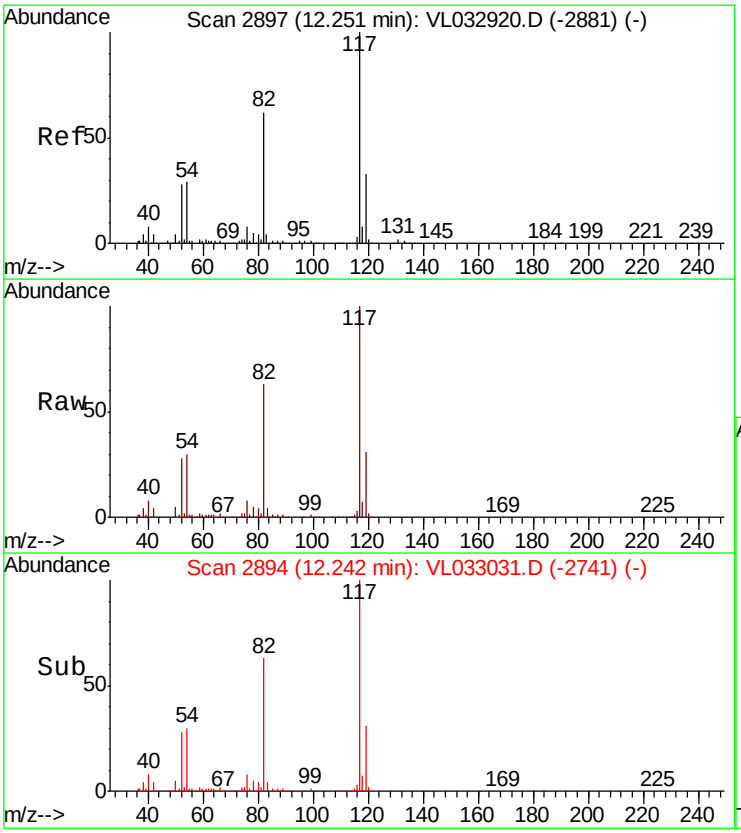
Tgt Ion: 91 Resp: 635516

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.4	71.0

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

Manual Integrations APPROVED
MMDadoda
12/24/2018 8:26:22 AM

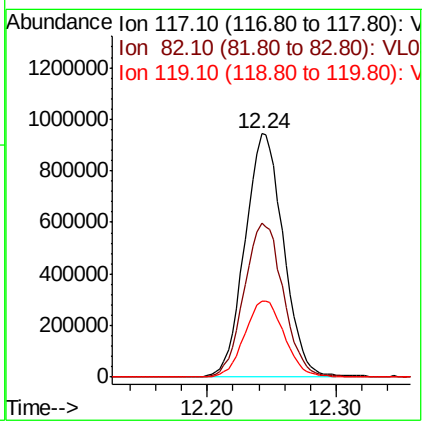


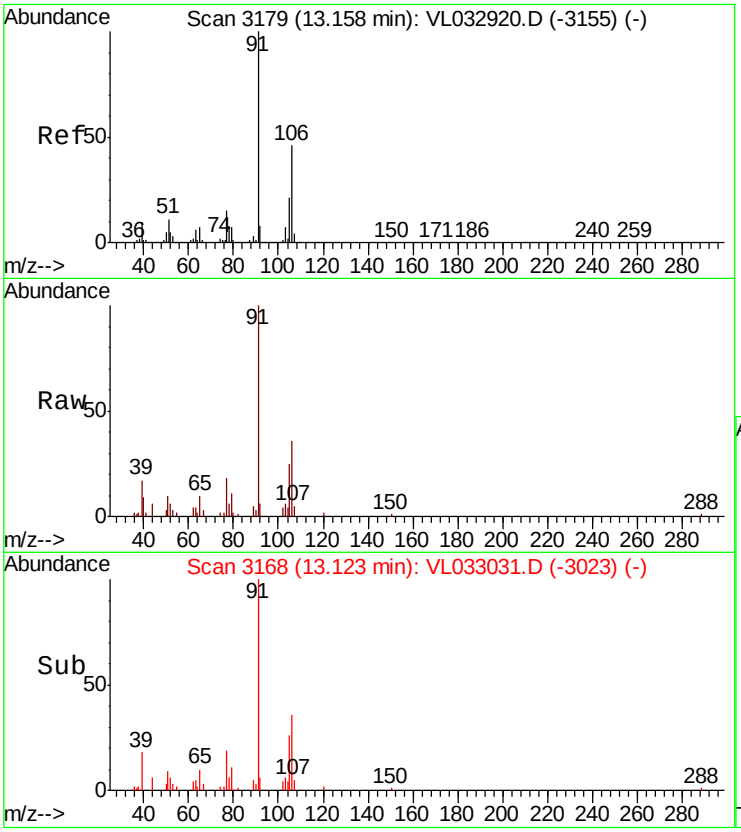


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion:117 Resp: 1962040

Ion	Ratio	Lower	Upper
117	100		
82	64.7	47.8	71.8
119	32.4	43.1	64.7#





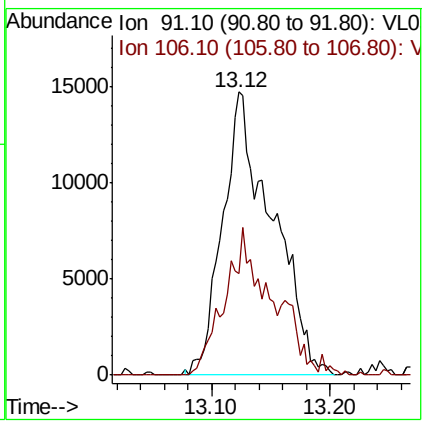
#59
m/p-Xylene
Concen: 0.225 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

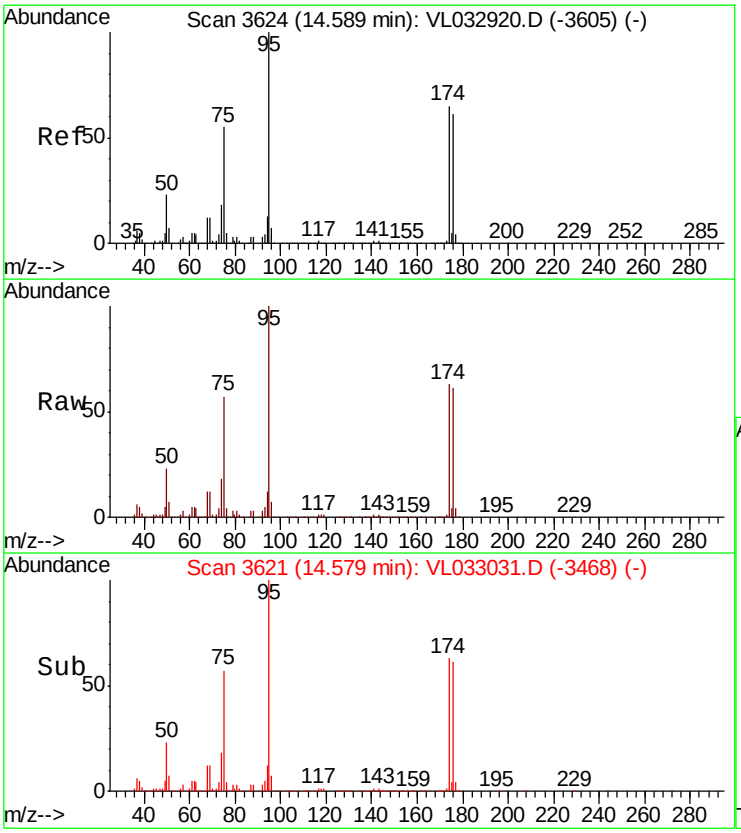
Tgt Ion: 91 Resp: 42603

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5RE

Manual Integrations APPROVED
MMDadoda
12/24/2018 8:26:22 AM





#68
1-Bromo-4-Fluorobenzene
Concen: 13.622 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033031.D
Acq: 20 Dec 2018 18:44

Tgt Ion: 95 Resp: 1974501

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.4	77.0
175	4.9	3.8	5.6