Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033395.D
Acq On : 20 Mar 2019 18:29
Operator : SY/AP
Sample : K1975-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Manual Integrations APPROVED
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3/25/2019 8:26:27 AM

Quant Time: Mar 21 13:07:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 1
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	812874	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1862550	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1800559	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1394725	10.45	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	37360	0.261	ppbv		98
3) Chlorodifluoromethane	3.01	51	34606	0.371	ppbv		92
4) Chloromethane	3.17	50	28627	0.567	ppbv		95
9) Propene	3.05	41	17726	0.426	ppbv	#	79
11) Trichlorofluoromethane	4.00	101	34692	0.244	ppbv		99
13) Ethanol	3.65	45	169411	8.532	ppbv		97
15) Acetone	3.90	43	479923	3.798	ppbv		99
19) Isopropyl Alcohol	4.04	45	45879	0.763	ppbv	#	1
20) Methylene Chloride	4.41	84	105643	2.564	ppbv		94
26) Hexane	5.77	57	132775	1.617	ppbv	#	70
34) 2-Butanone	5.33	43	107780	0.881	ppbv		100
35) Carbon Tetrachloride	7.12	117	9408m	0.072	ppbv		
36) Benzene	7.00	78	21339	0.128	ppbv	#	90
38) Trichloroethene	7.96	130	4896m	0.078	ppbv		
52) Tetrachloroethene	11.36	164	6815m	0.098	ppbv		
53) Toluene	9.94	91	260355	1.375	ppbv		99
59) m/p-Xylene	13.12	91	46842m	0.214	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033395.D
Acq On : 20 Mar 2019 18:29
Operator : SY/AP
Sample : K1975-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 13:07:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
OA1

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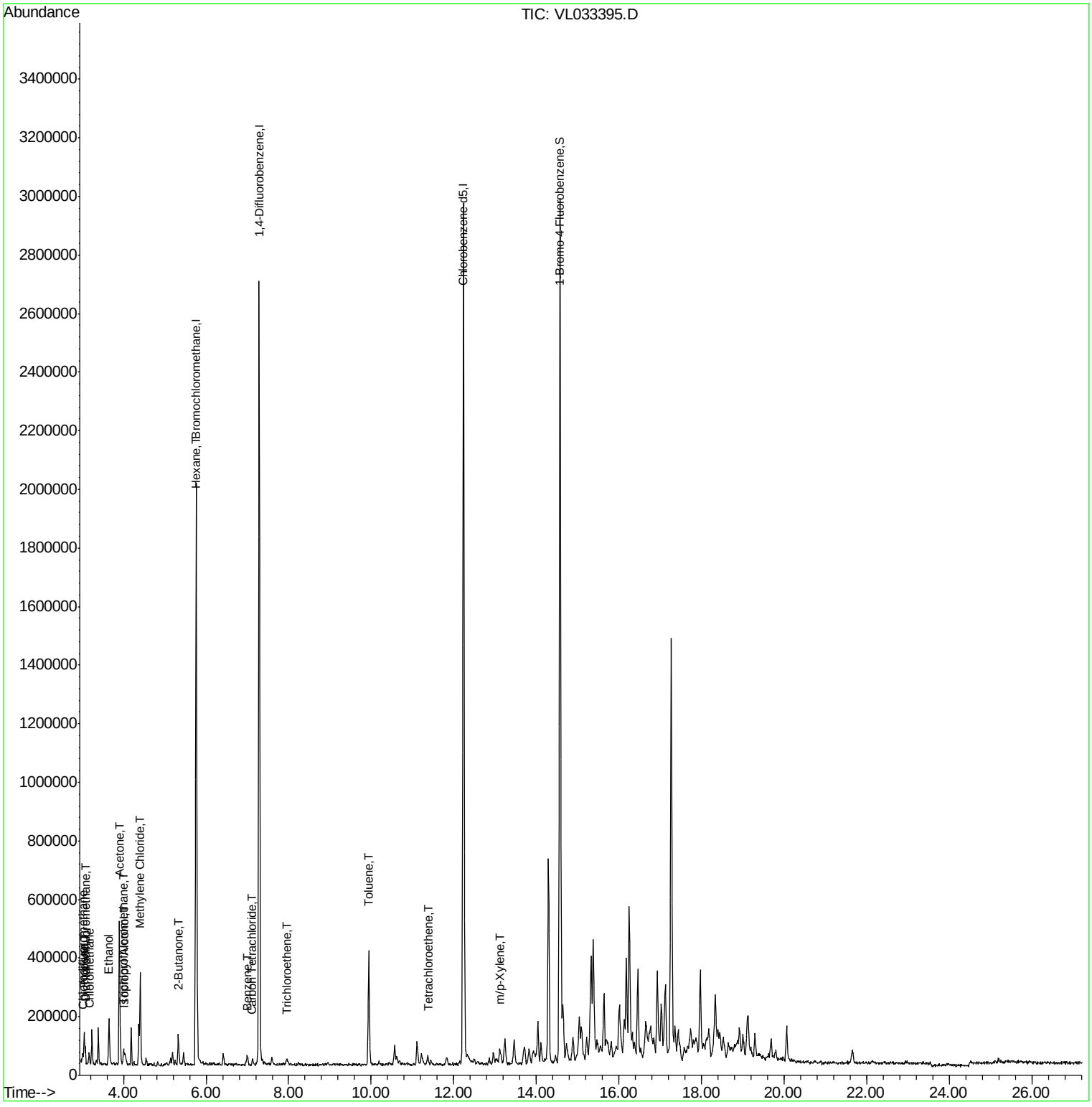
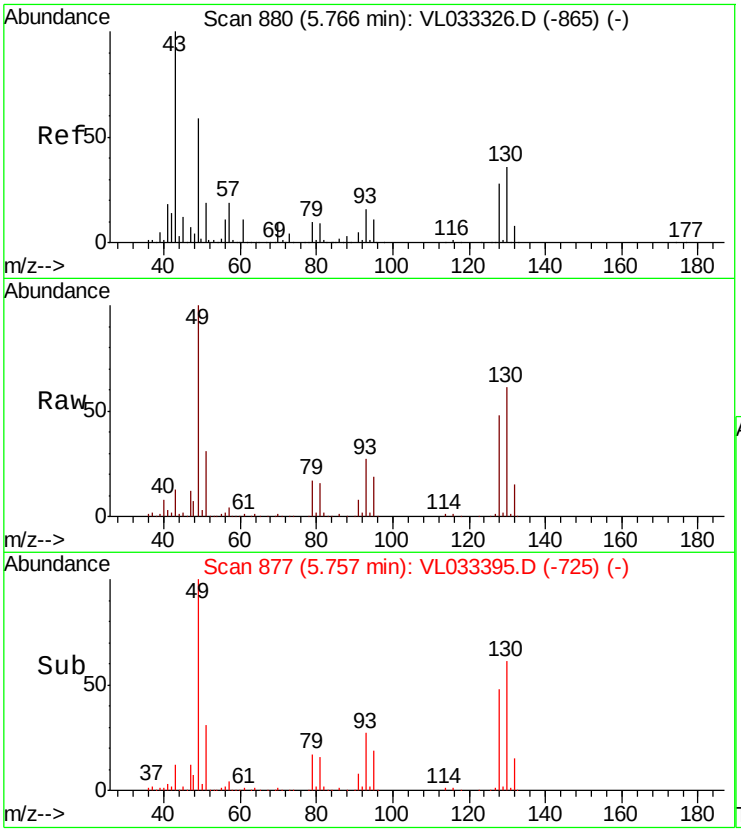
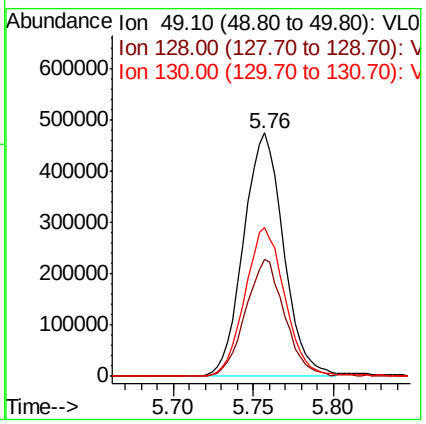




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 49 Resp: 812874

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.5	70.6
130	61.3	30.1	90.3



Instrument :
MSVOA_L
ClientSampleId :
OA1

Manual Integrations APPROVED
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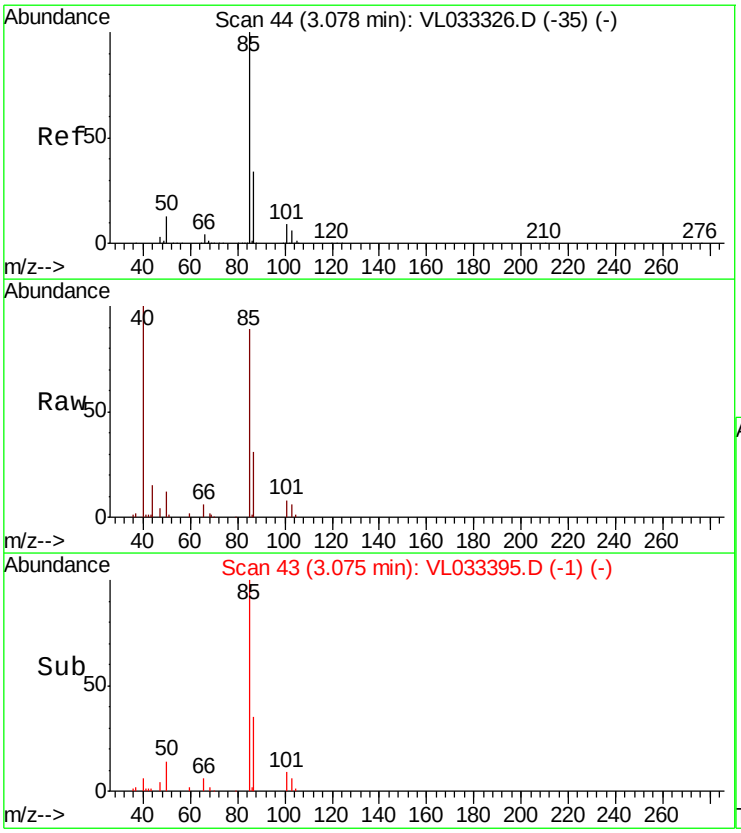
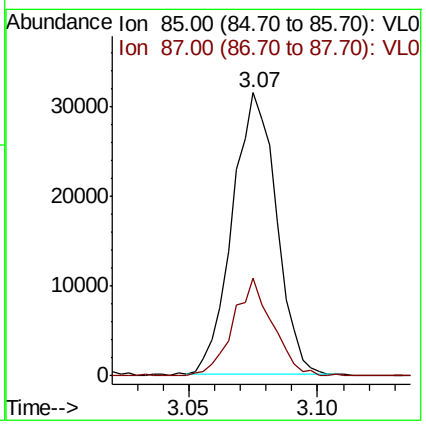
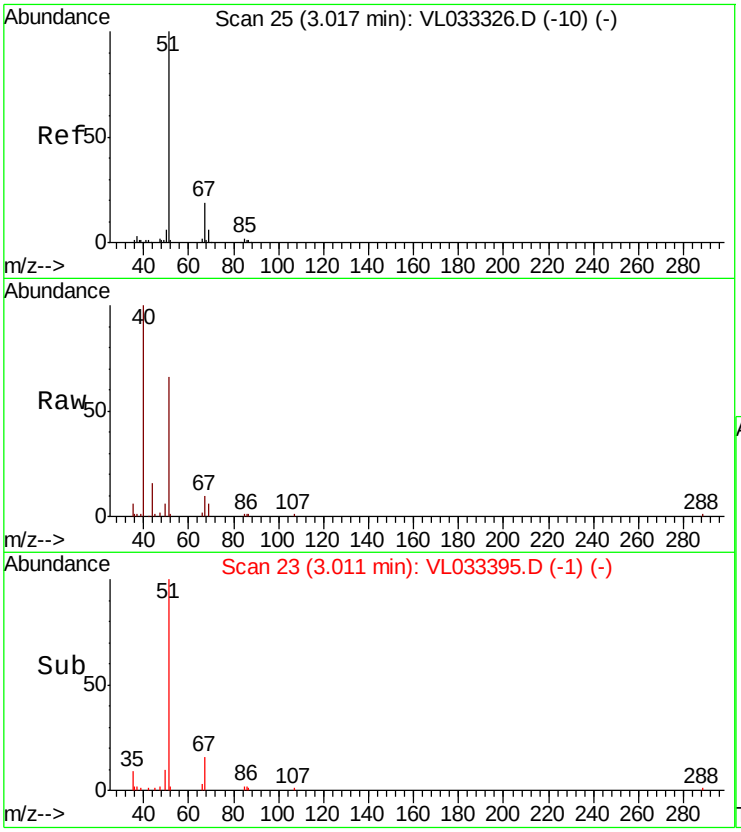


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 85 Resp: 37360

Ion	Ratio	Lower	Upper
85	100		
87	34.8	26.9	40.3

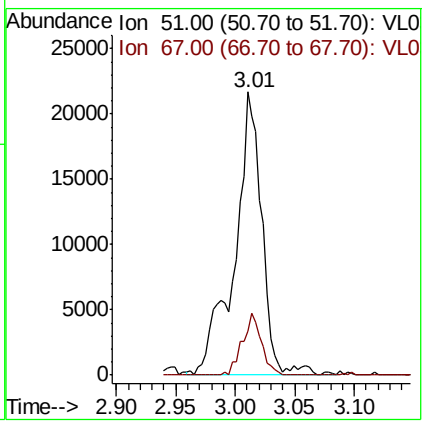




#3
Chlorodifluoromethane
Concen: 0.371 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 51 Resp: 34606

Ion	Ratio	Lower	Upper
51	100		
67	15.1	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
OA1

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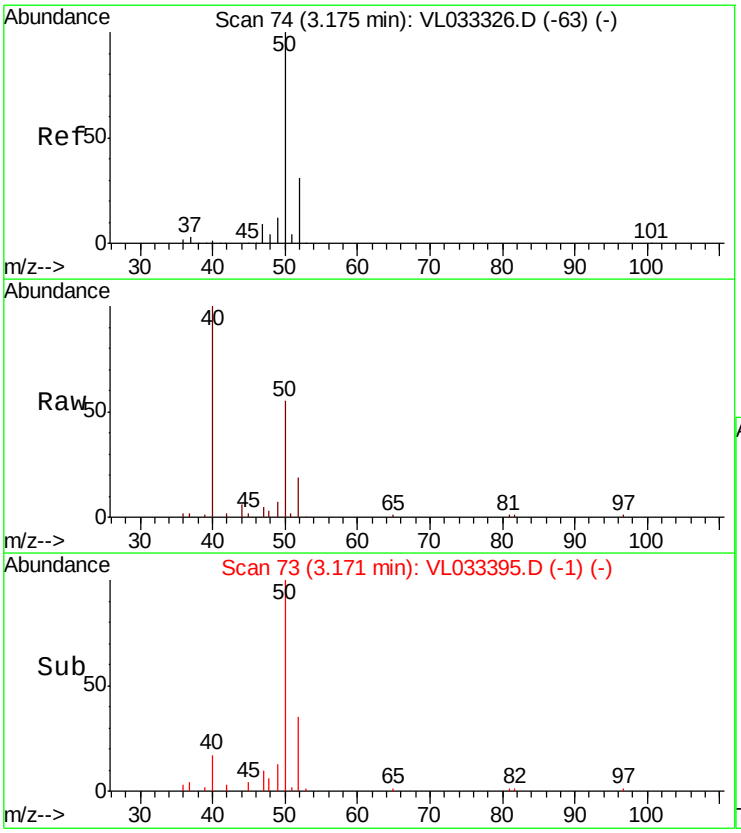
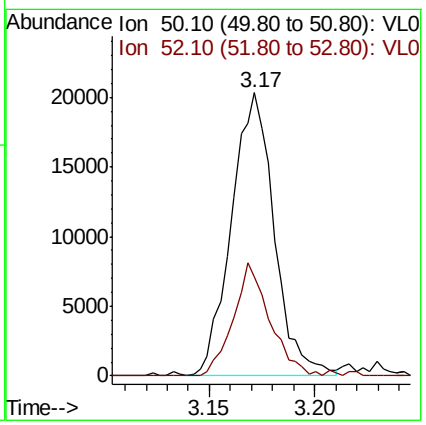
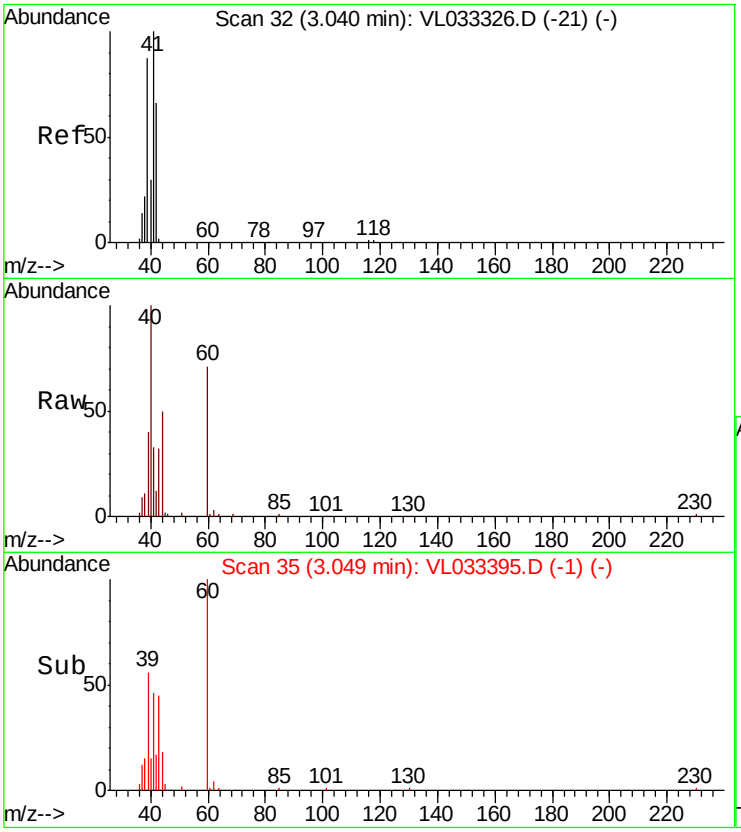


#4
Chloromethane
Concen: 0.567 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 50 Resp: 28627

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.0	37.6





#9
Propene
Concen: 0.426 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 41 Resp: 17726

Ion	Ratio	Lower	Upper
41	100		
42	51.8	55.2	82.8#

Instrument :
MSVOA_L
ClientSampleId :
OA1

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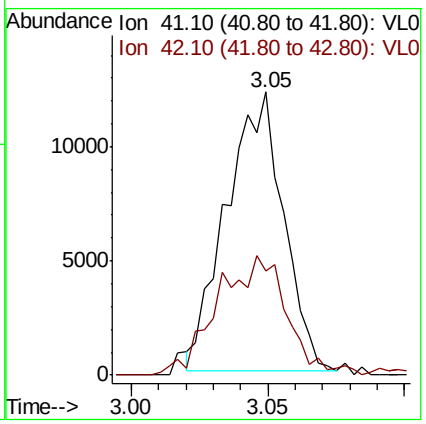
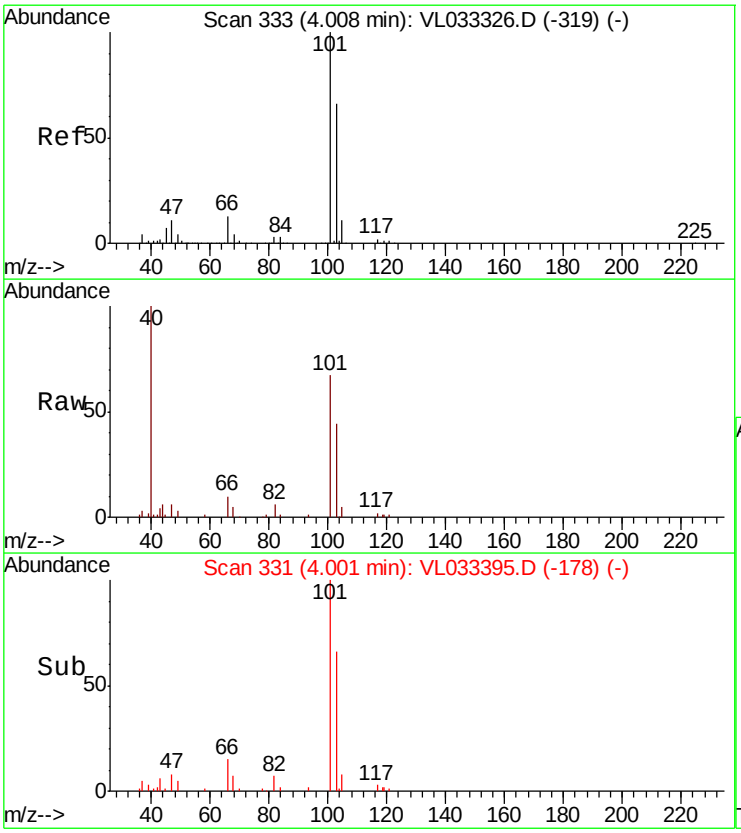
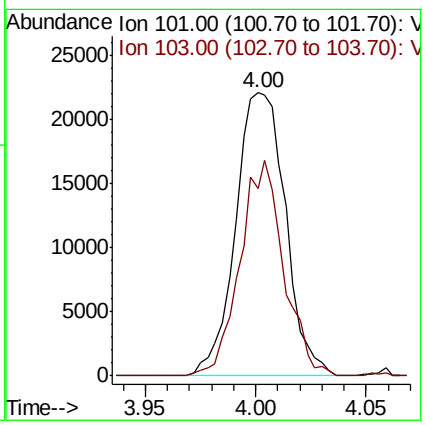


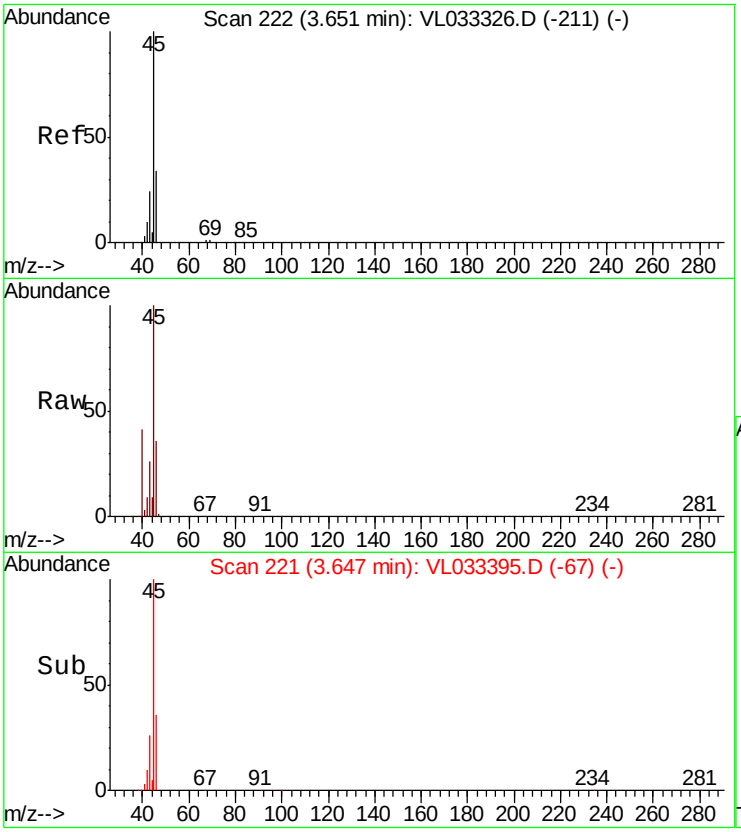


#11
Trichlorofluoromethane
Concen: 0.244 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion:101 Resp: 34692

Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.9	79.3

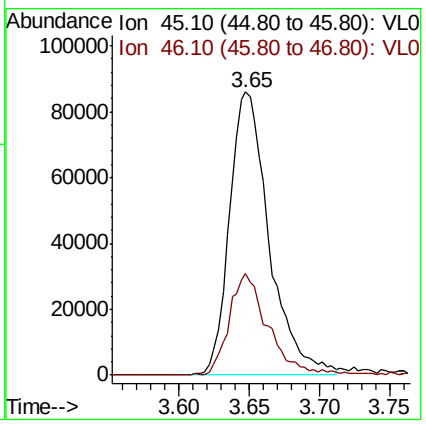




#13
Ethanol
Concen: 8.532 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 45 Resp: 169411

Ion	Ratio	Lower	Upper
45	100		
46	35.2	14.9	59.7



Instrument :
MSVOA_L
ClientSampleId :
OA1

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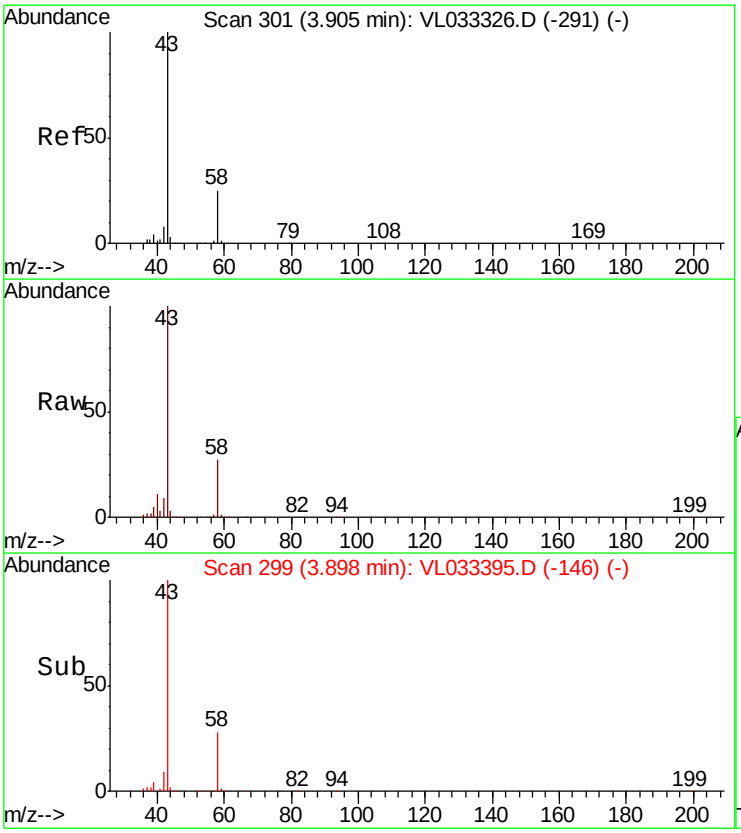
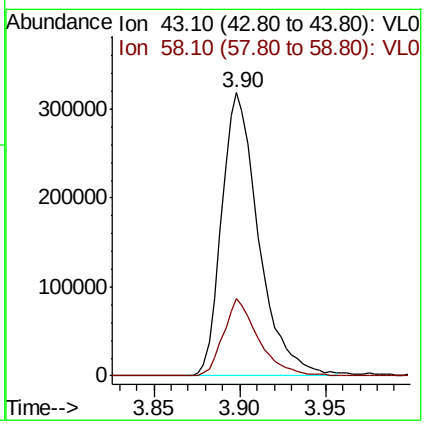
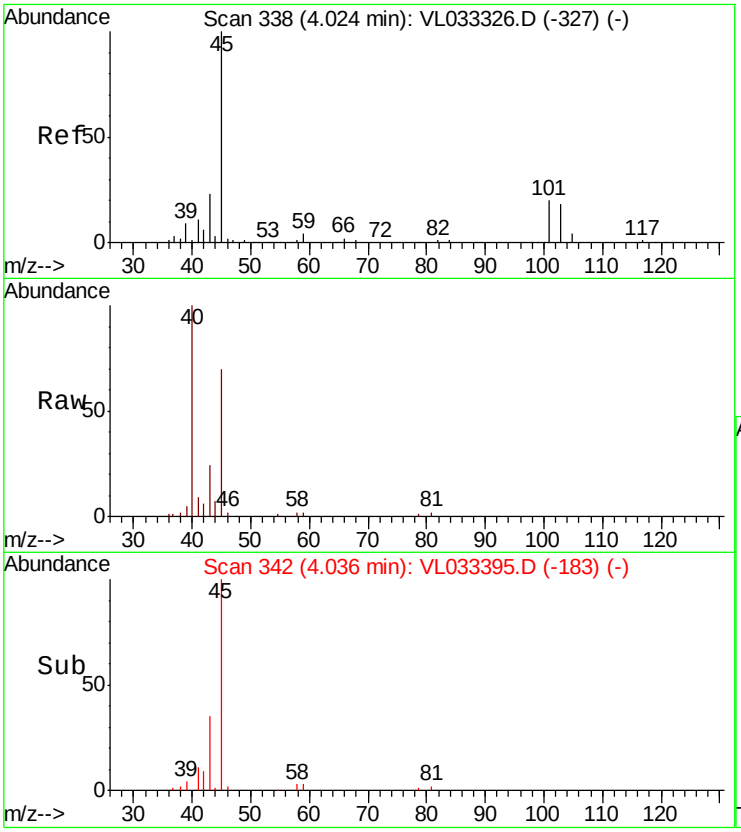


#15
Acetone
Concen: 3.798 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 43 Resp: 479923

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.4	30.6

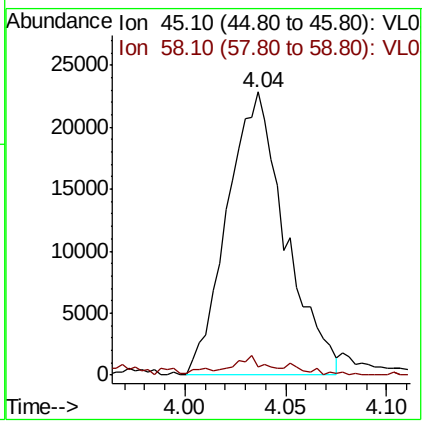




#19
Isopropyl Alcohol
Concen: 0.763 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 45 Resp: 45879

Ion	Ratio	Lower	Upper
45	100		
58	271.6	1.5	2.3#



Instrument :
MSVOA_L
ClientSampleId :
OA1

Manual Integrations APPROVED
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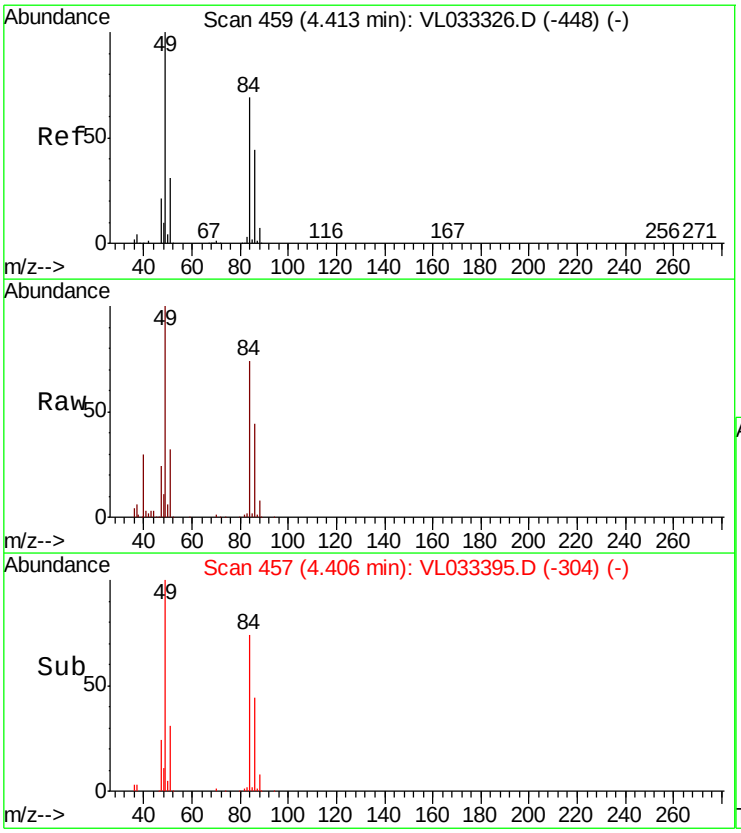
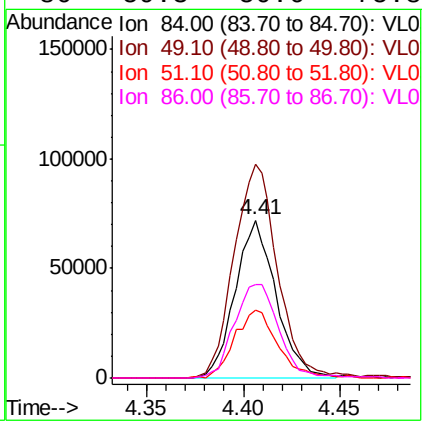
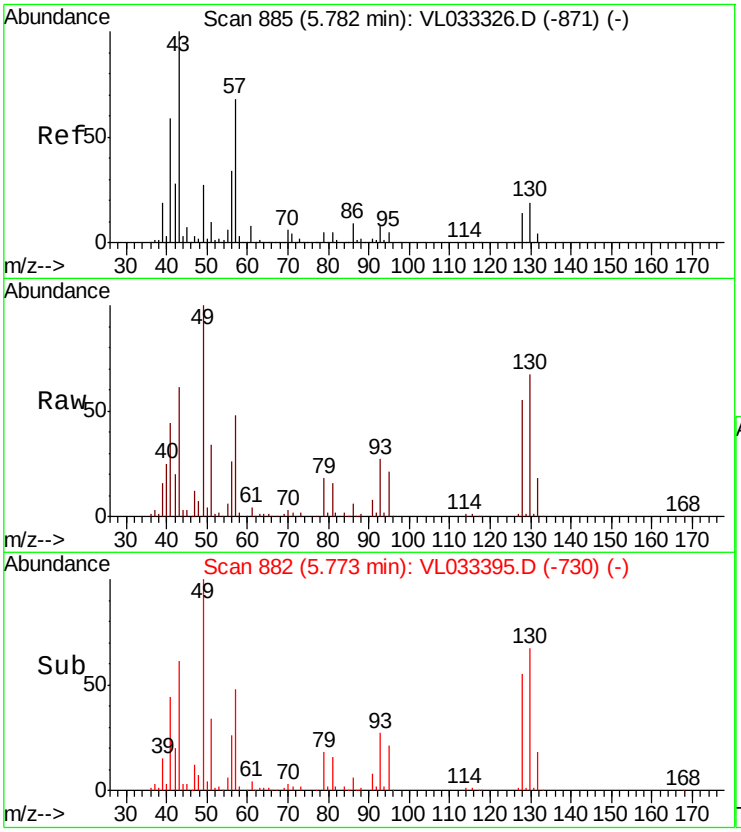


#20
Methylene Chloride
Concen: 2.564 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 84 Resp: 105643

Ion	Ratio	Lower	Upper
84	100		
49	135.2	115.4	173.0
51	43.0	35.8	53.6
86	59.3	50.6	75.8

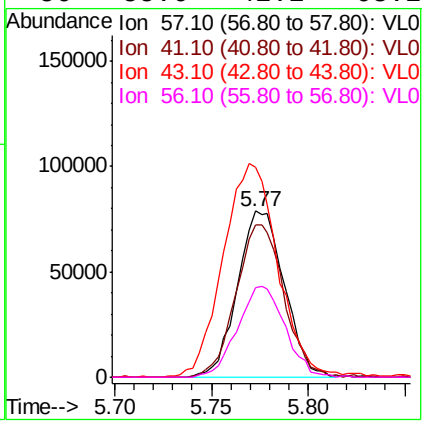




#26
Hexane
Concen: 1.617 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 57 Resp: 132775

Ion	Ratio	Lower	Upper
57	100		
41	94.2	70.5	105.7
43	153.4	181.8	272.8#
56	55.6	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
OA1

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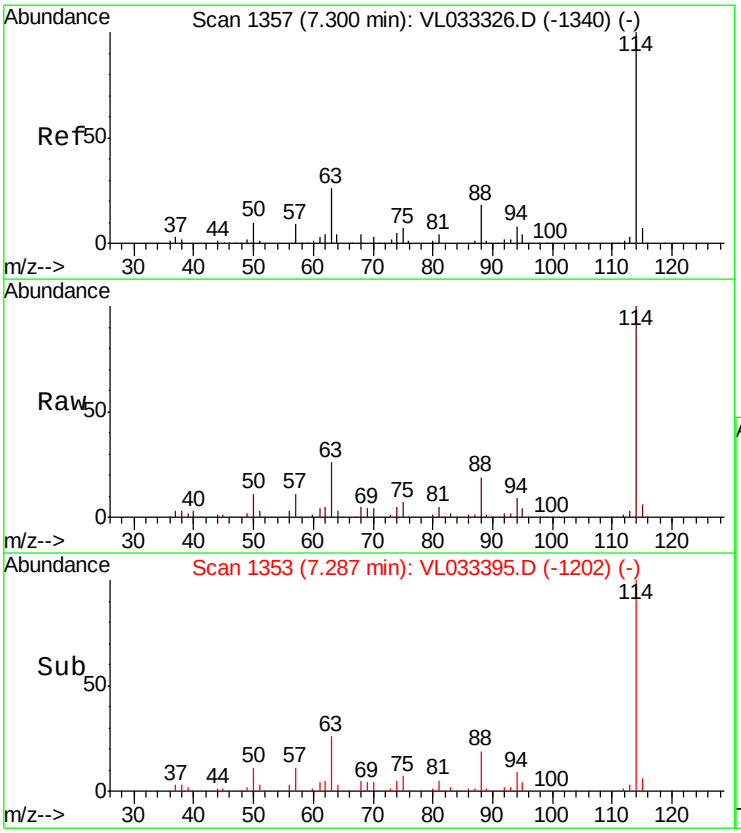
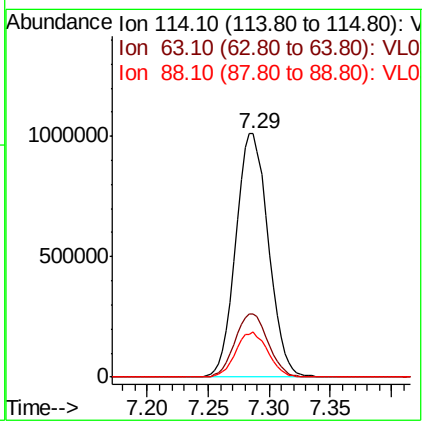
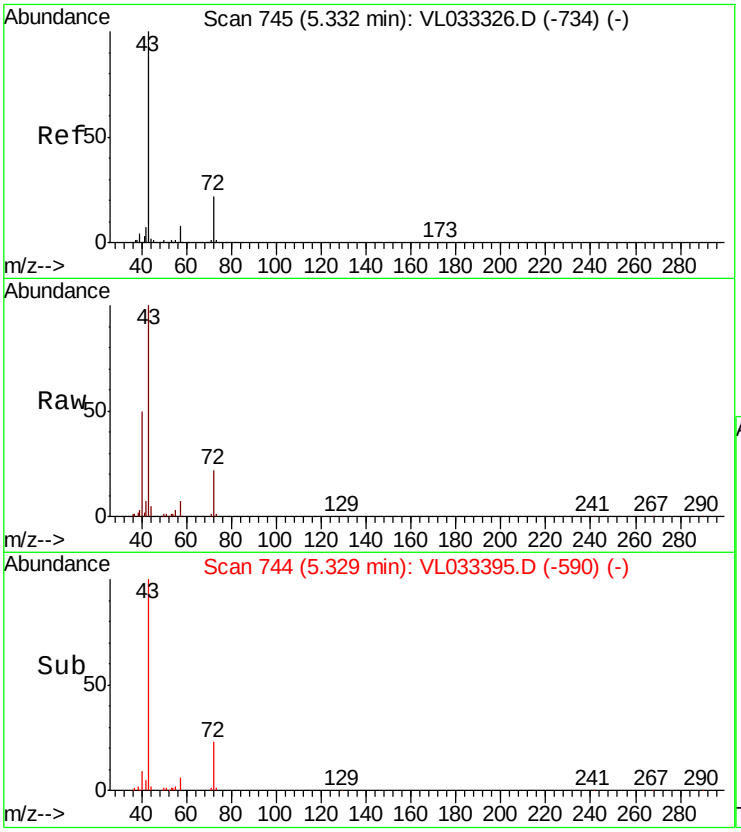


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion:114 Resp: 1862550

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.4	32.2
88	18.3	14.5	21.7

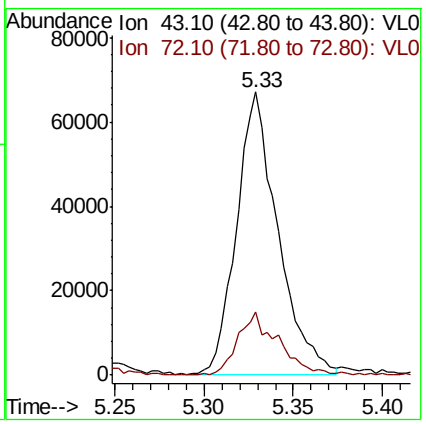




#34
2-Butanone
Concen: 0.881 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 43 Resp: 107780

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5



Instrument :
MSVOA_L
ClientSampleId :
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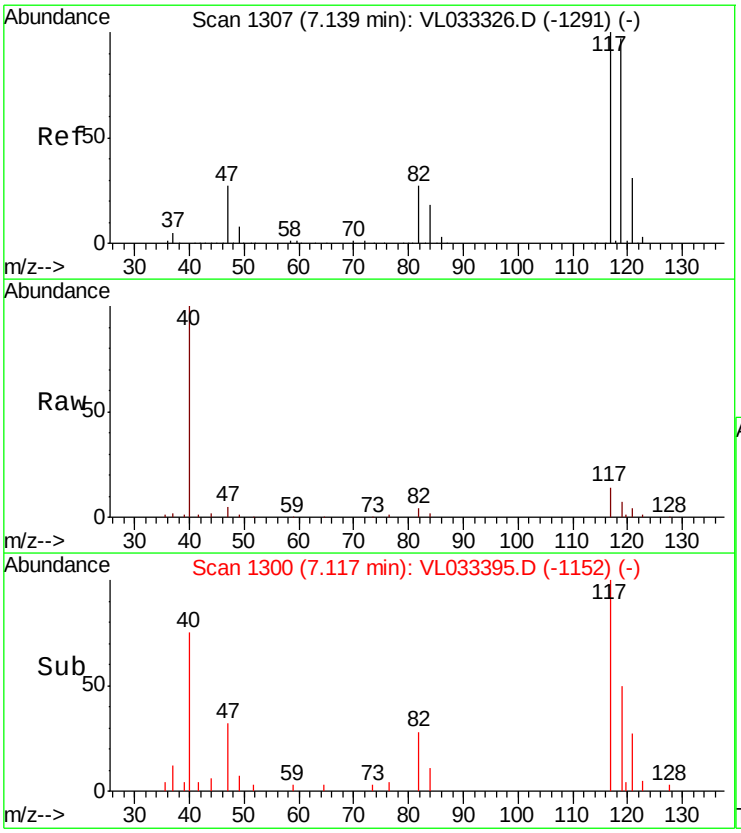
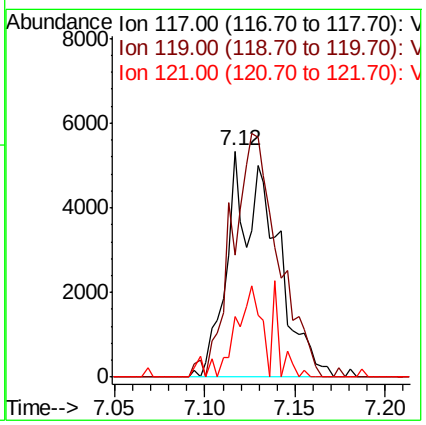
MMDadoda
3/25/2019 8:26:27 AM

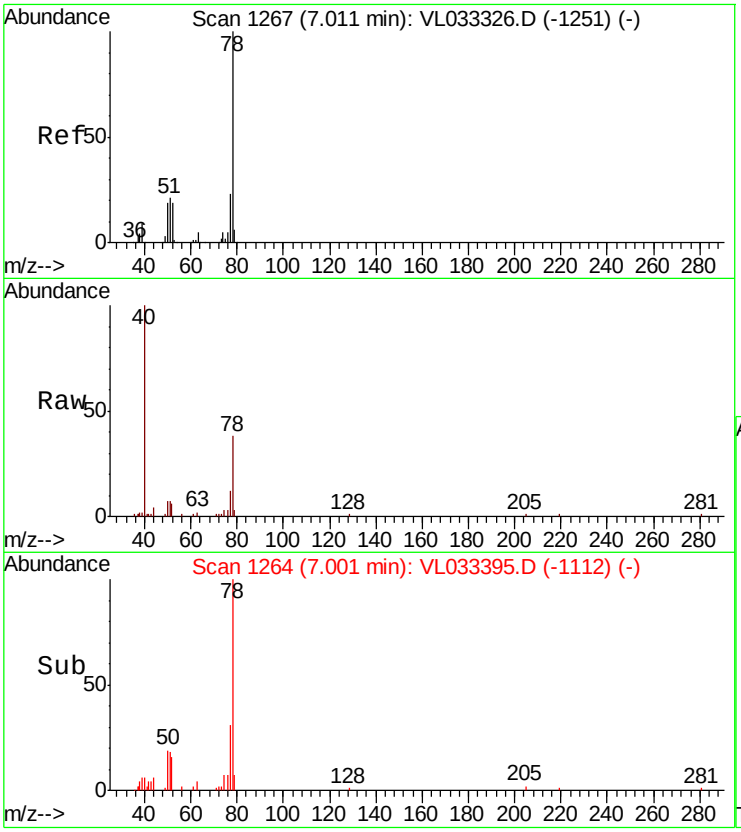


#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 7.12 min Scan# 1300
Delta R.T. -0.02 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion:117 Resp: 9408

Ion	Ratio	Lower	Upper
117	100		
119	50.3	77.4	116.0#
121	26.7	24.9	37.3

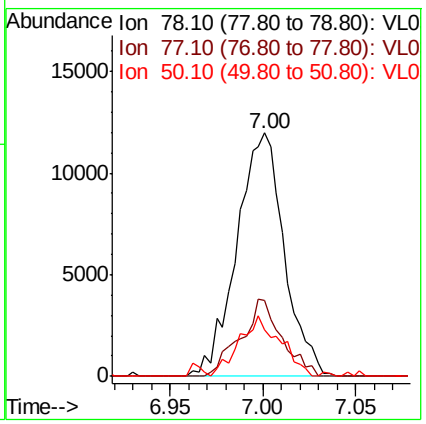




#36
Benzene
Concen: 0.128 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

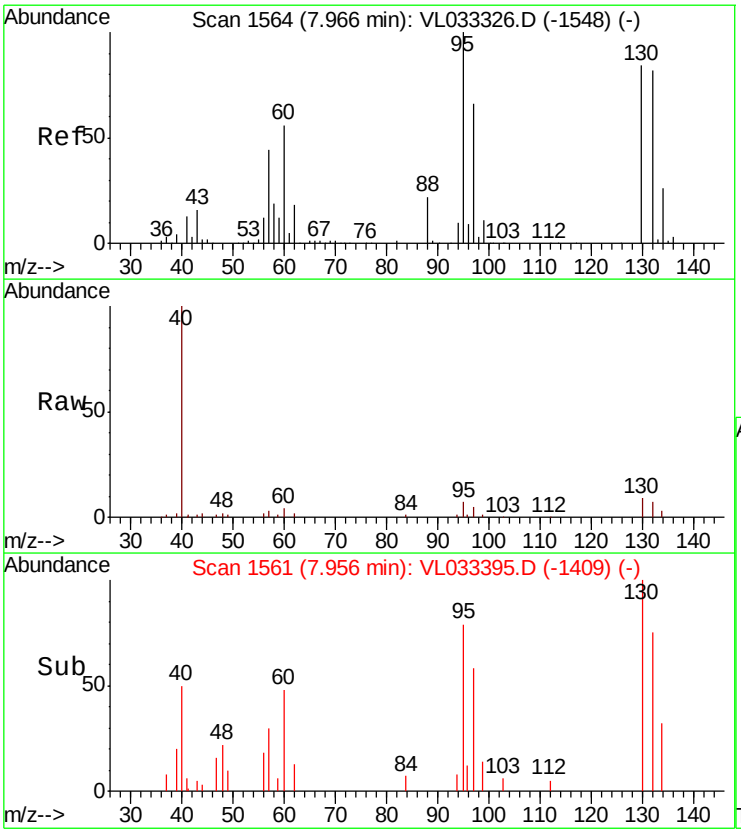
Tgt Ion: 78 Resp: 21339

Ion	Ratio	Lower	Upper
78	100		
77	31.1	18.1	27.1#
50	19.3	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
OA1

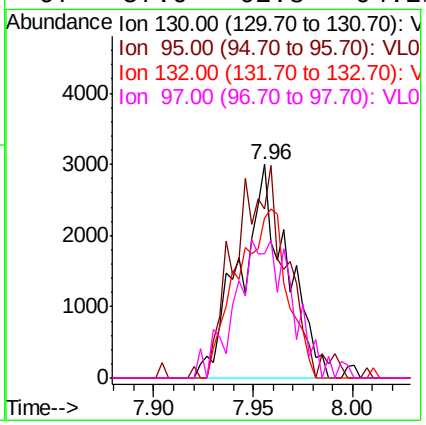
Manual Integrations APPROVED
MMDadoda
3/25/2019 8:26:27 AM

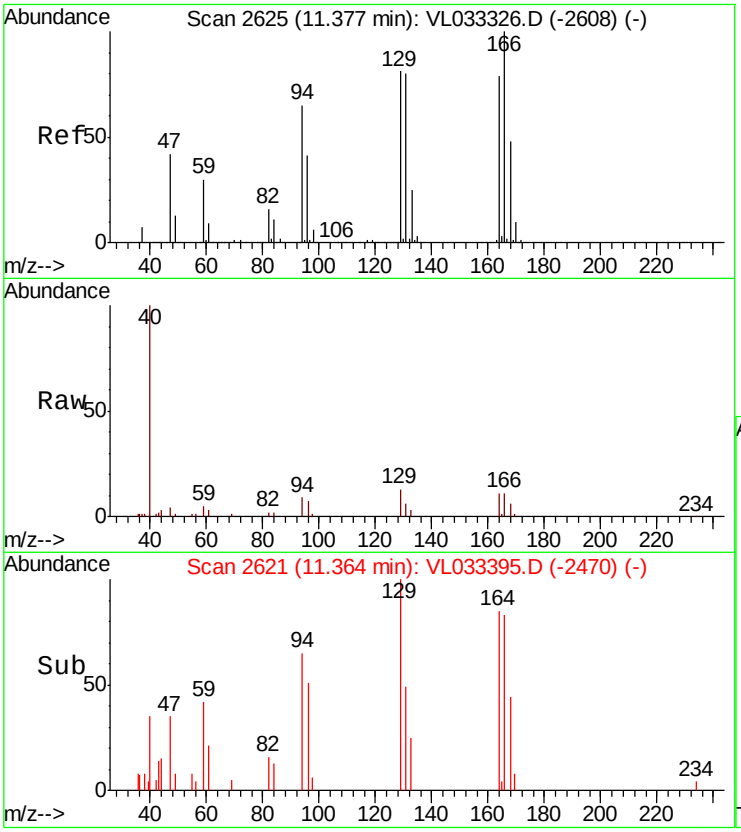


#38
Trichloroethene
Concen: 0.078 ppbv m
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion:130 Resp: 4896

Ion	Ratio	Lower	Upper
130	100		
95	79.4	95.2	142.8#
132	75.1	77.7	116.5#
97	57.9	62.8	94.2#

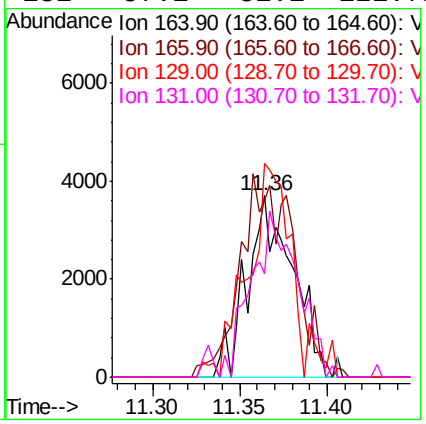




#52
Tetrachloroethene
Concen: 0.098 ppbv m
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion:164 Resp: 6815

Ion	Ratio	Lower	Upper
164	100		
166	97.5	101.5	152.3#
129	117.7	82.2	123.2
131	57.1	81.1	121.7#



Instrument :
MSVOA_L
ClientSampleId :
OA1

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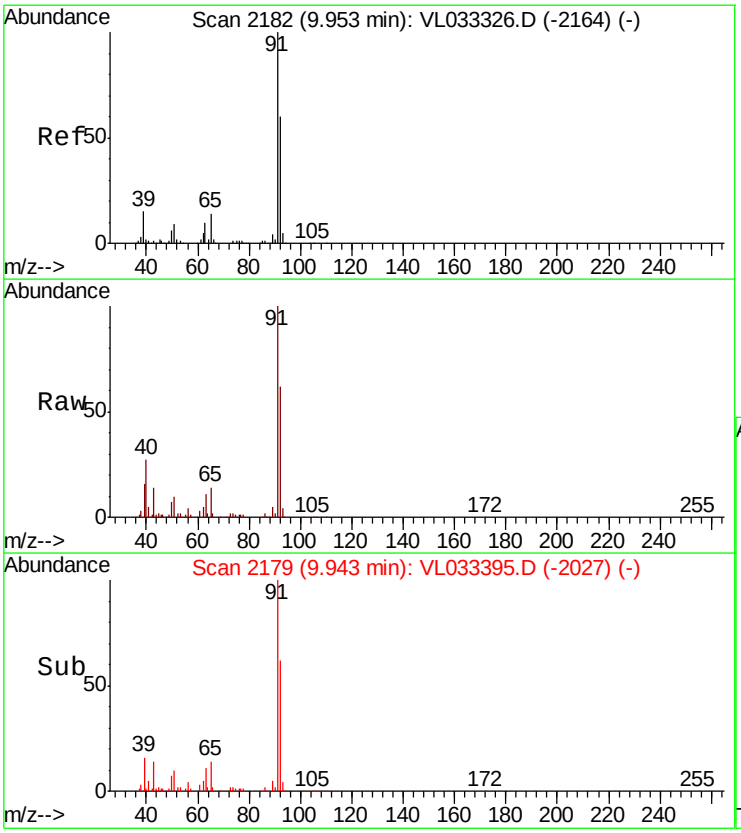
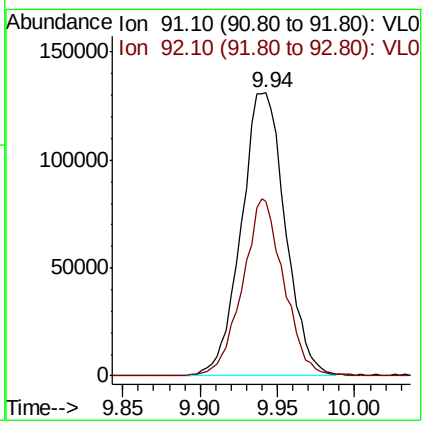
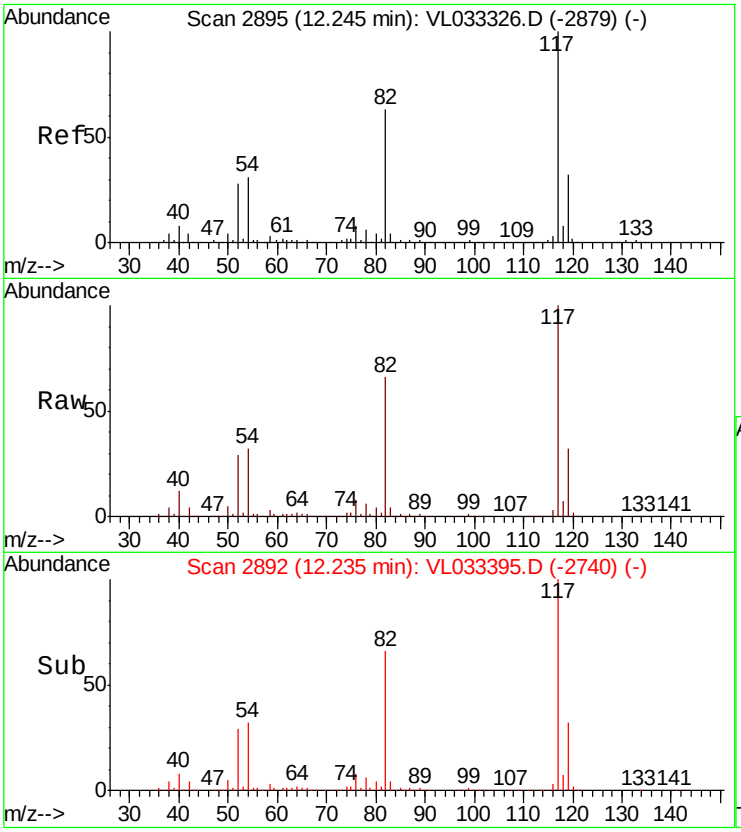


#53
Toluene
Concen: 1.375 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 91 Resp: 260355

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.4	71.0

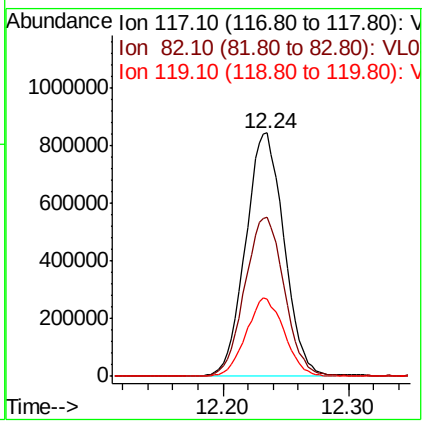




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion:117 Resp: 1800559

Ion	Ratio	Lower	Upper
117	100		
82	67.2	53.4	80.2
119	32.1	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
OA1

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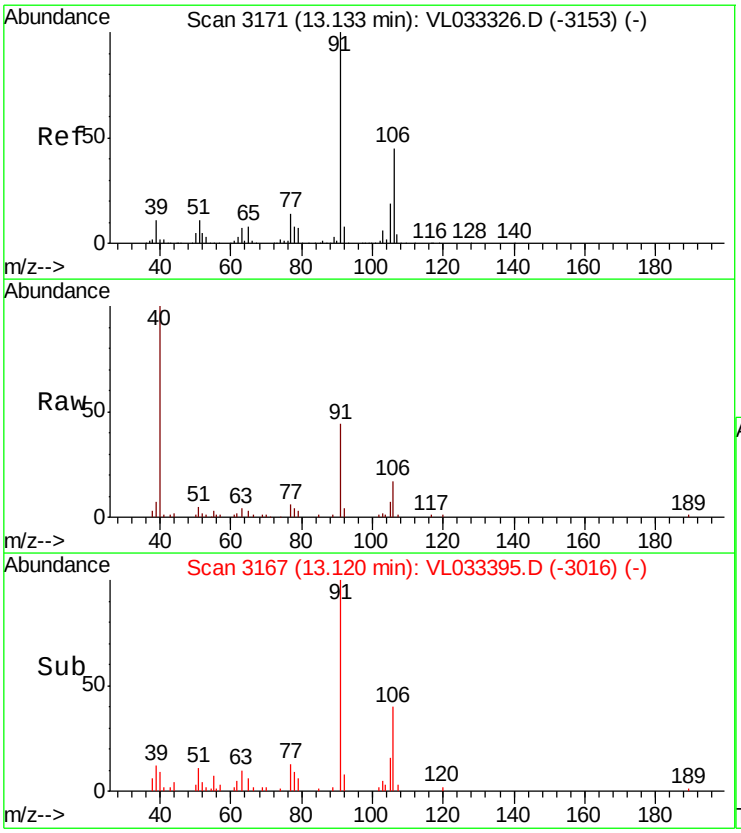
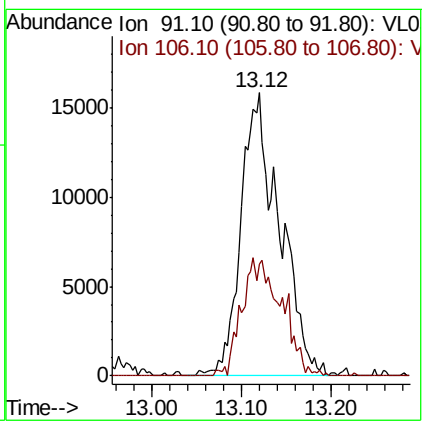
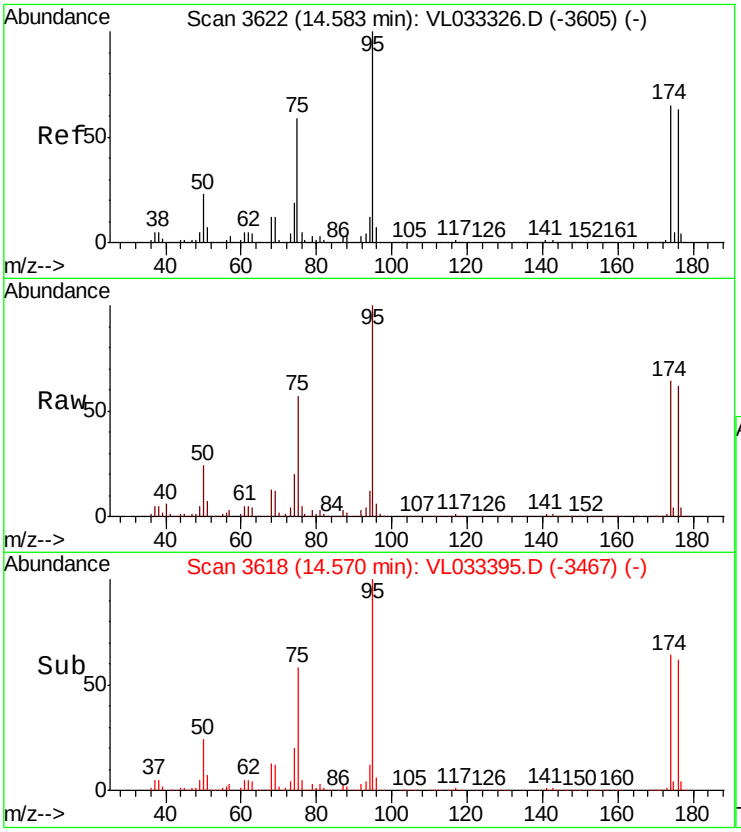


#59
m/p-Xylene
Concen: 0.214 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 91 Resp: 46842

Ion	Ratio	Lower	Upper
91	100		
106	43.0	0.0	0.0#

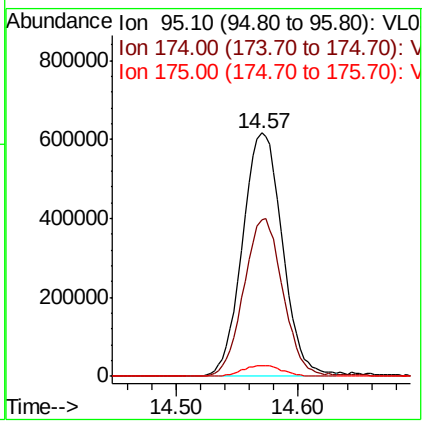




#68
1-Bromo-4-Fluorobenzene
Concen: 10.454 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033395.D
Acq: 20 Mar 2019 18:29

Tgt Ion: 95 Resp: 1394725

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.5	77.3
175	4.7	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
OA1

Manual Integrations APPROVED
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