Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033410.D
Acq On : 21 Mar 2019 4:13
Operator : SY/AP
Sample : K1975-05 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 16:25:13 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

Instrument : MSVOA_L
ClientSampleId : SV1

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	760169	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1795348	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1714450	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1305442	10.28	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%				
Target Compounds							Qvalue
9) Propene	3.04	41	55180	1.417	ppbv		91
10) Heptane	8.25	43	21705	0.225	ppbv		93
11) Trichlorofluoromethane	4.00	101	28394m	0.213	ppbv		
13) Ethanol	3.66	45	45216	2.435	ppbv		95
15) Acetone	3.90	43	1375854	11.643	ppbv		97
19) Isopropyl Alcohol	4.06	45	47217m	0.840	ppbv		
20) Methylene Chloride	4.41	84	18504	0.480	ppbv		95
26) Hexane	5.78	57	34984	0.456	ppbv	#	38
32) 1,1,1-Trichloroethane	6.62	97	969859	7.856	ppbv		99
34) 2-Butanone	5.33	43	130521	1.107	ppbv		99
36) Benzene	7.00	78	42704	0.266	ppbv		98
52) Tetrachloroethene	11.38	164	4872630	72.794	ppbv		98
53) Toluene	9.95	91	153309	0.840	ppbv		97
58) Ethyl Benzene	12.86	91	36530	0.151	ppbv		98
59) m/p-Xylene	13.12	91	107968m	0.518	ppbv		
60) o-Xylene	13.85	91	56803	0.279	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	41775m	0.186	ppbv		
74) 1,2,4-Trimethylbenzene	16.93	105	101198	0.425	ppbv	#	65

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033410.D
Acq On : 21 Mar 2019 4:13
Operator : SY/AP
Sample : K1975-05 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 16:25:13 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 :
SV1

Manual Integrations APPROVED
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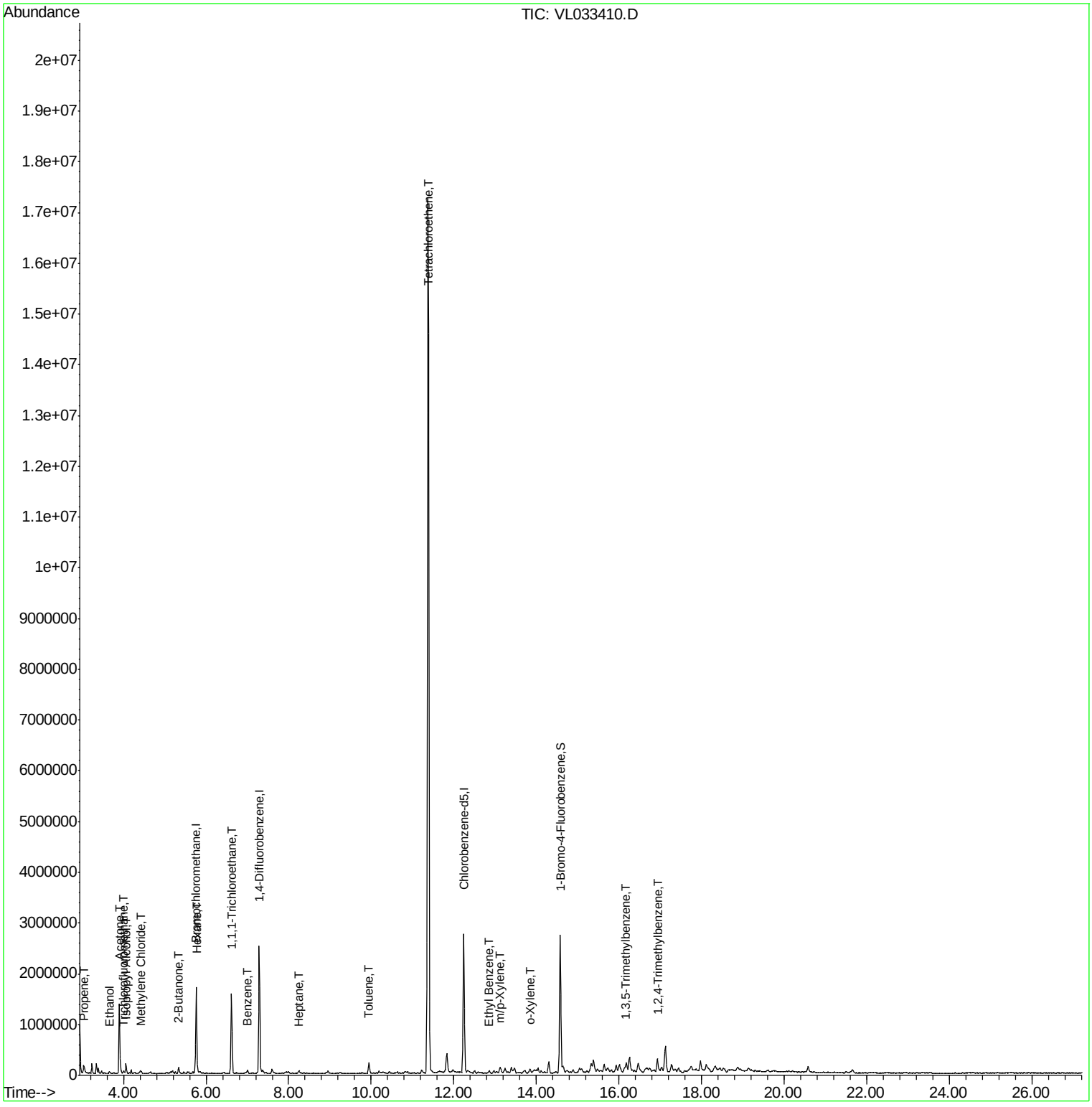
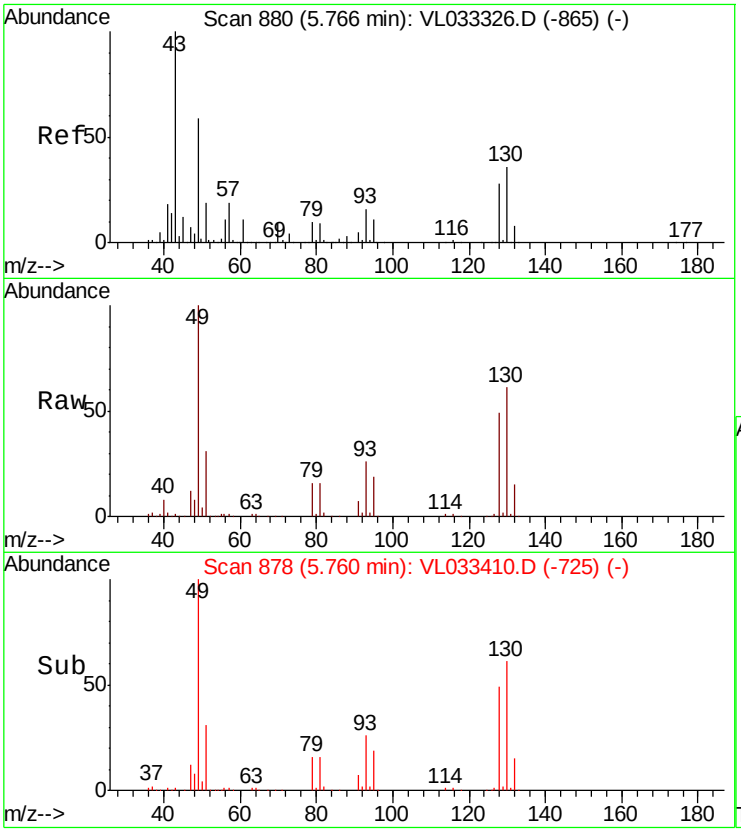
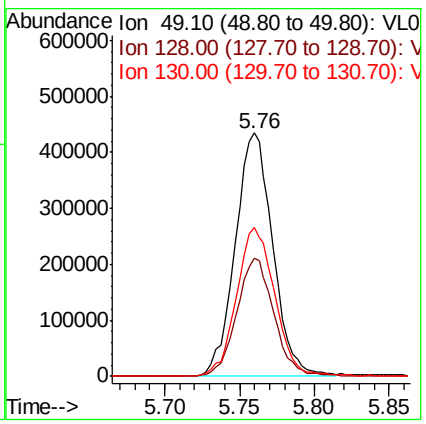




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 49 Resp: 760169

Ion	Ratio	Lower	Upper
49	100		
128	48.3	23.5	70.6
130	62.4	30.1	90.3



Instrument :
MSVOA_L
ClientSampleId :
SV1

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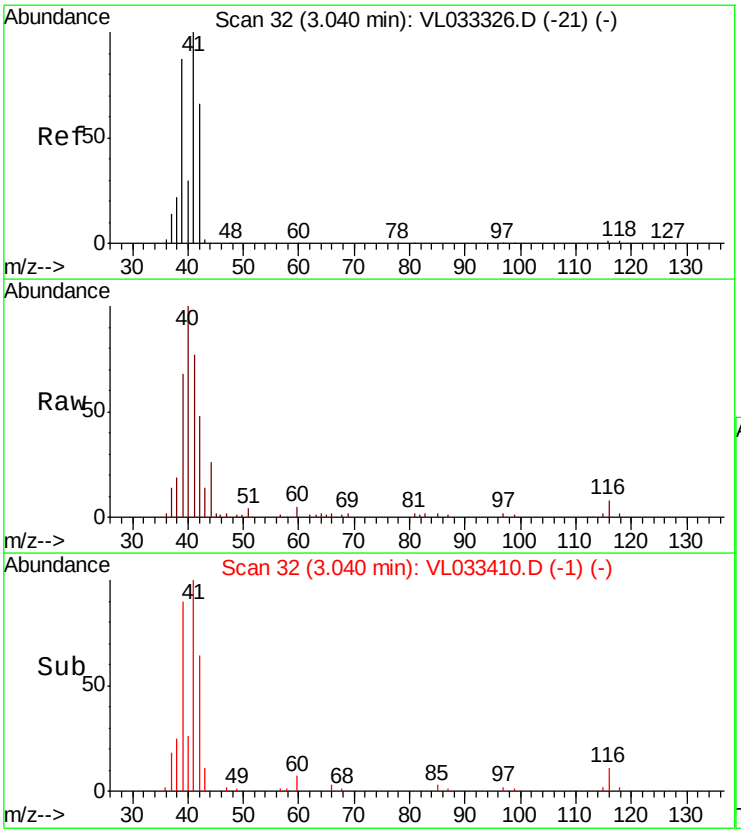
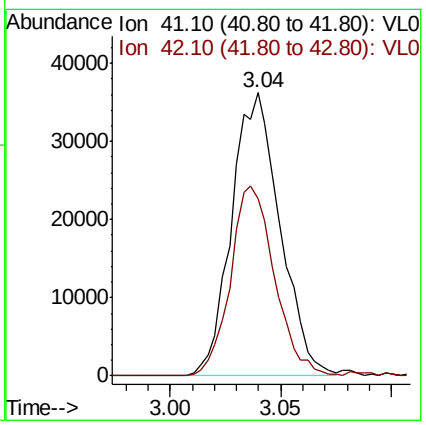
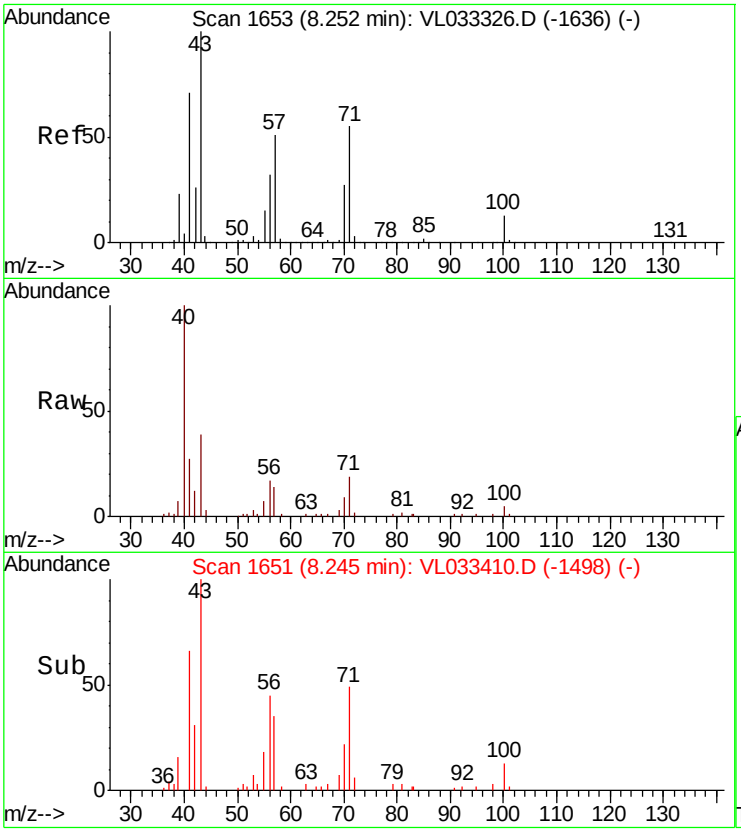


#9
Propene
Concen: 1.417 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 41 Resp: 55180

Ion	Ratio	Lower	Upper
41	100		
42	62.0	55.2	82.8





#10
Heptane
Concen: 0.225 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 43 Resp: 21705

Ion	Ratio	Lower	Upper
43	100		
57	55.2	40.4	60.6

Instrument :
MSVOA_L
ClientSampleId :
SV1

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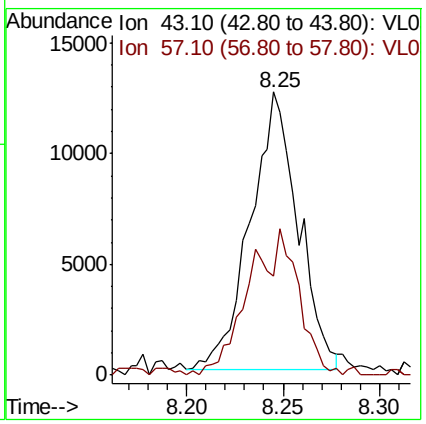
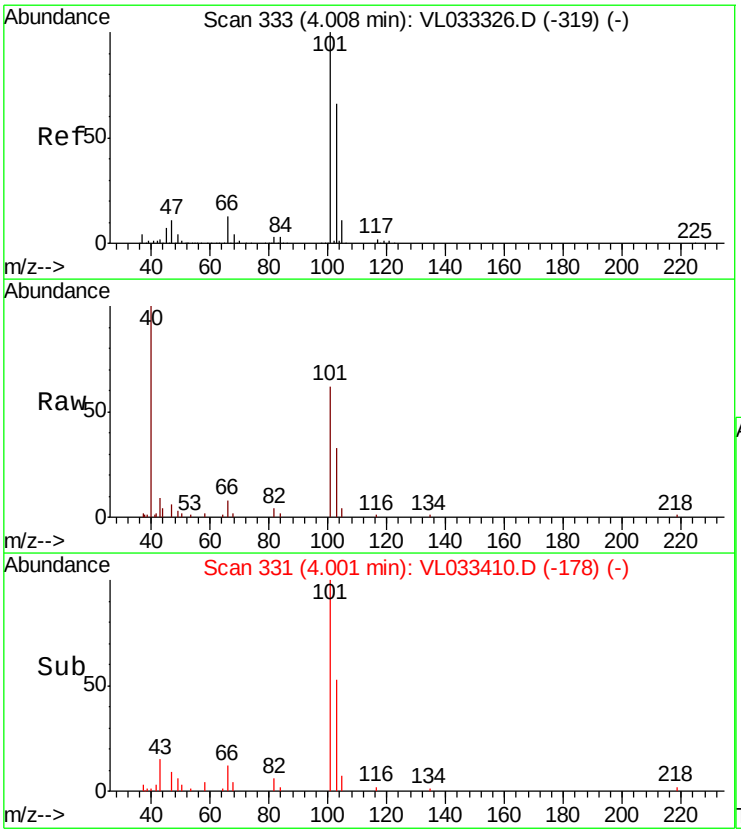
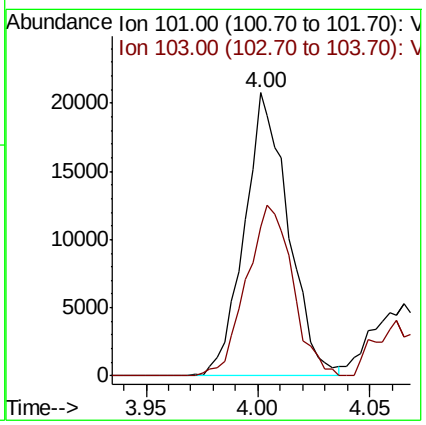


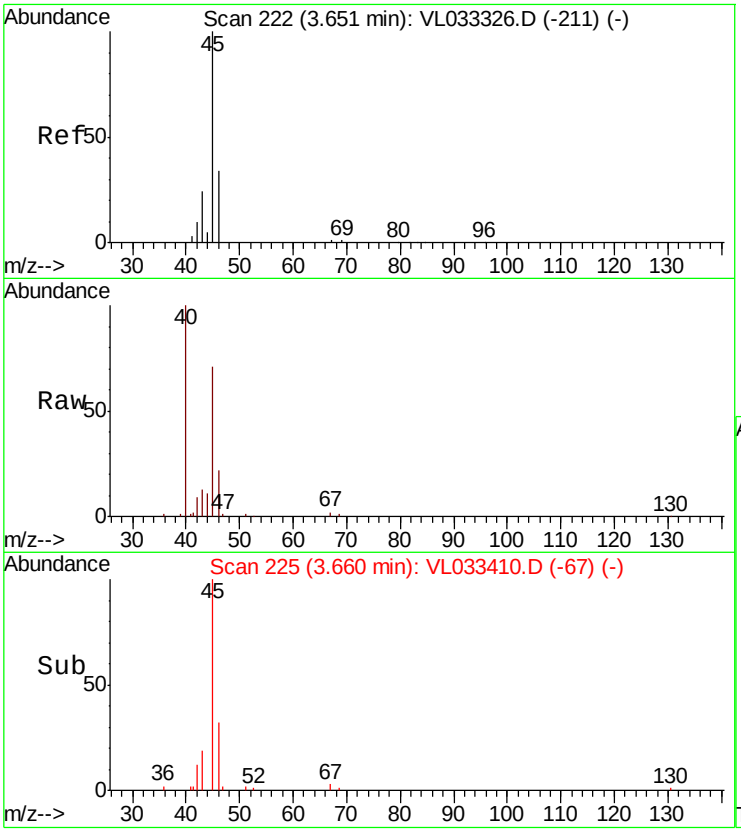


#11
Trichlorofluoromethane
Concen: 0.213 ppbv m
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion:101 Resp: 28394

Ion	Ratio	Lower	Upper
101	100		
103	52.5	52.9	79.3#

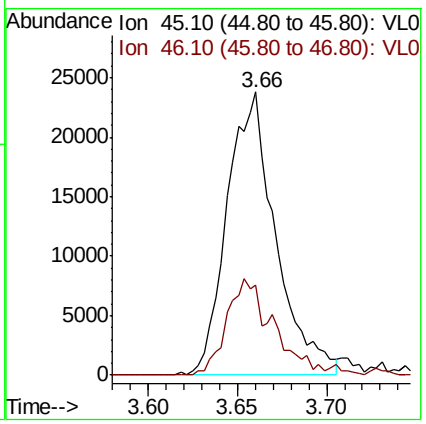




#13
Ethanol
Concen: 2.435 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 45 Resp: 45216

Ion	Ratio	Lower	Upper
45	100		
46	34.1	14.9	59.7



Instrument :
MSVOA_L
ClientSampleId :
SV1

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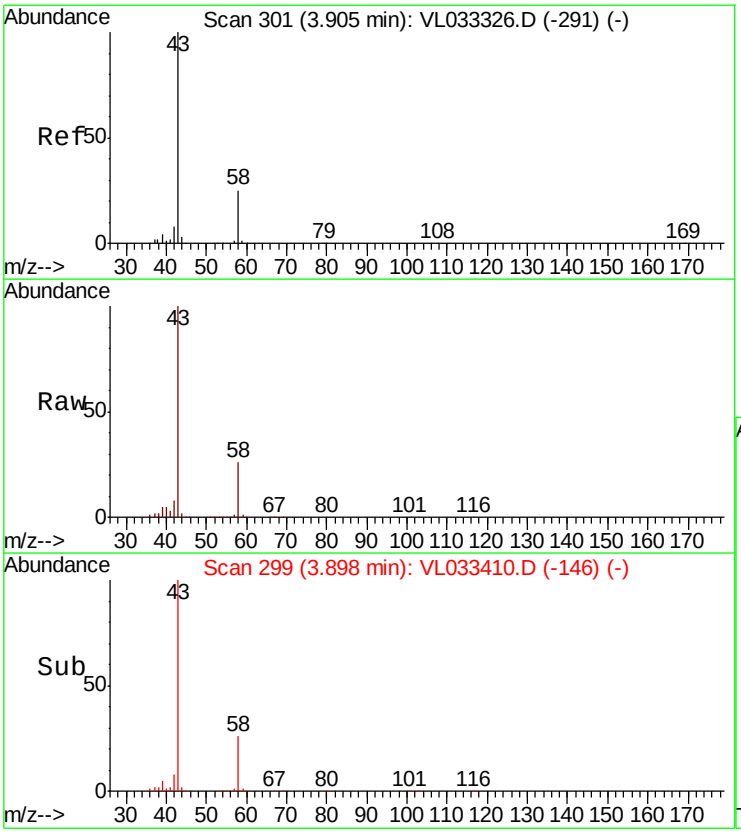
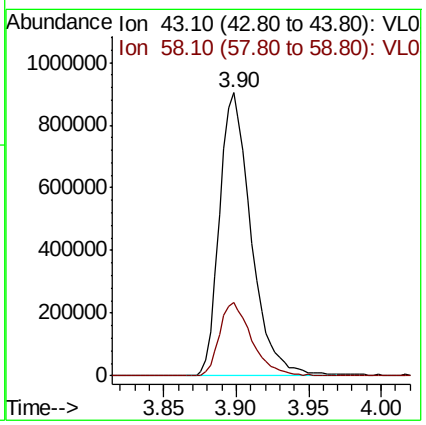
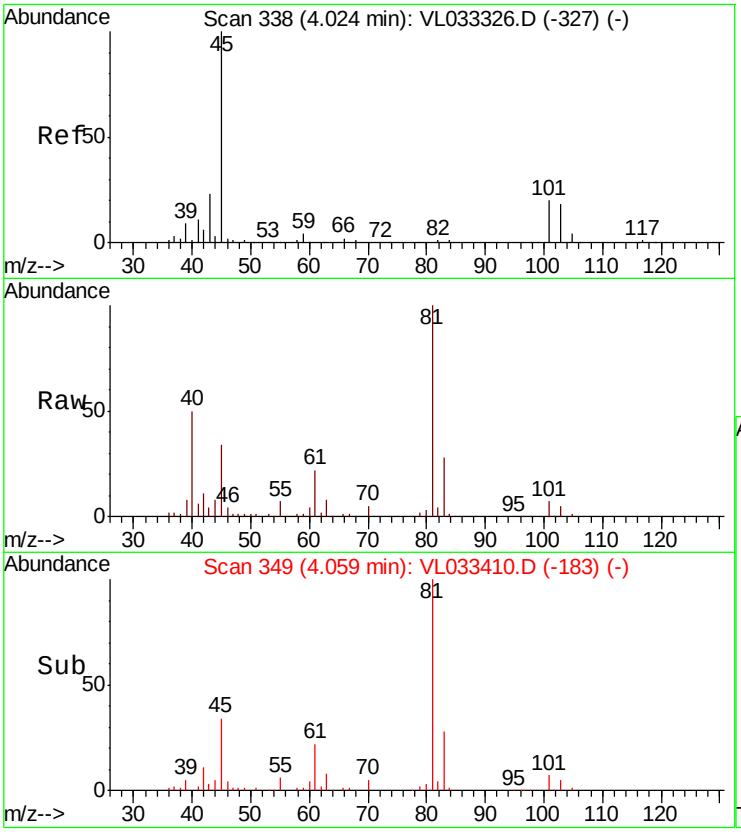


#15
Acetone
Concen: 11.643 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 43 Resp: 1375854

Ion	Ratio	Lower	Upper
43	100		
58	26.8	20.4	30.6

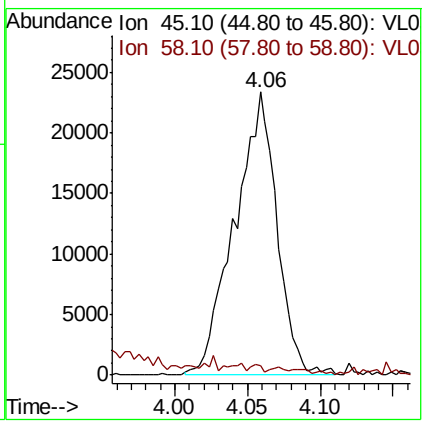




#19
Isopropyl Alcohol
Concen: 0.840 ppbv m
RT: 4.06 min Scan# 349
Delta R.T. 0.04 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 45 Resp: 47217

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#



Instrument :
MSVOA_L
ClientSampleId :
SV1

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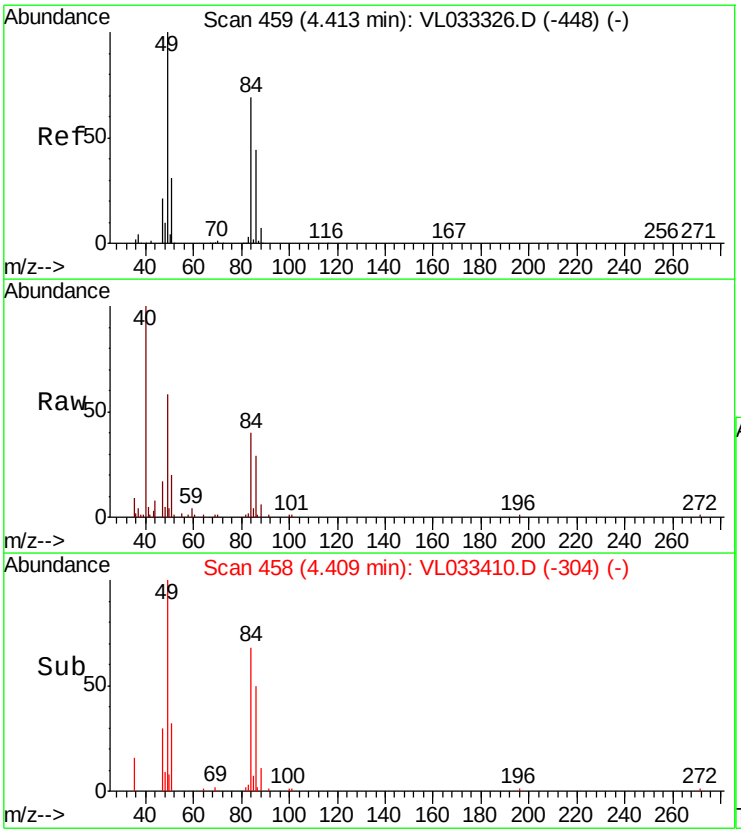
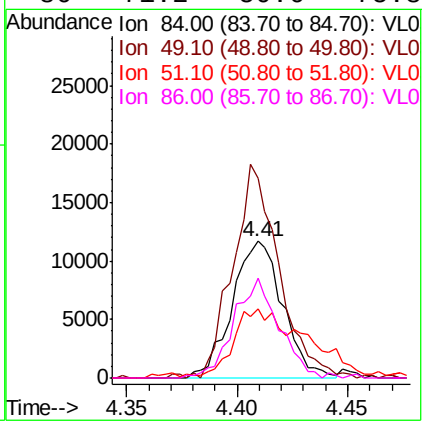
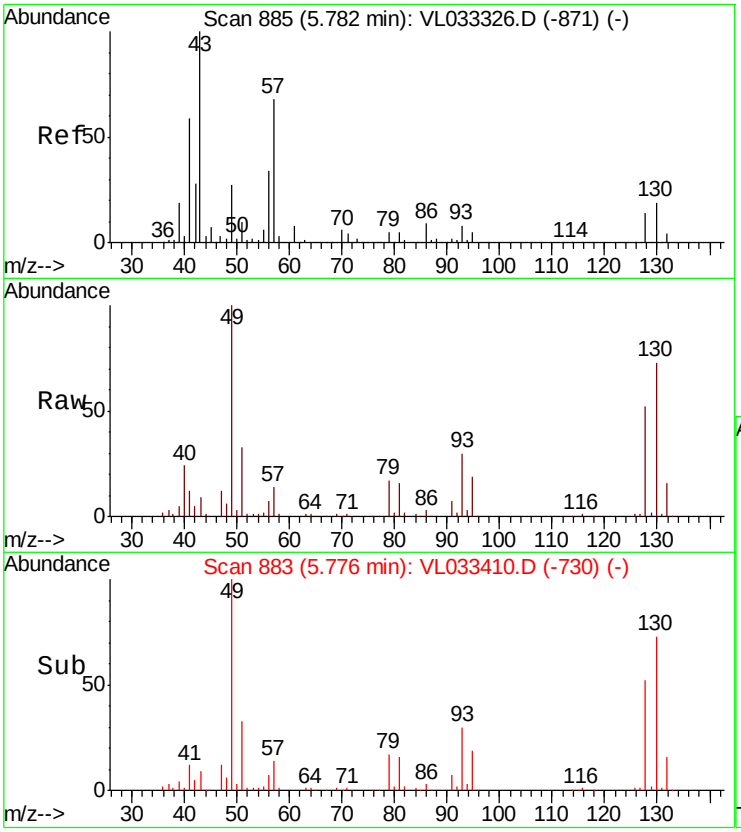


#20
Methylene Chloride
Concen: 0.480 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 84 Resp: 18504

Ion	Ratio	Lower	Upper
84	100		
49	146.7	115.4	173.0
51	48.2	35.8	53.6
86	71.2	50.6	75.8

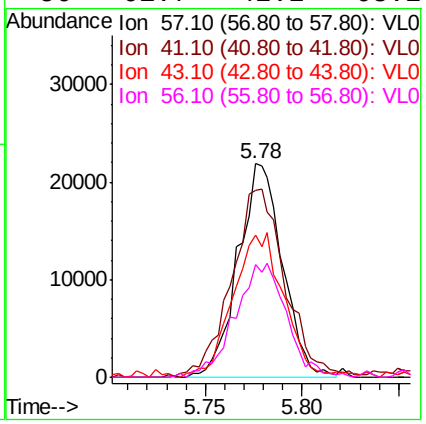




#26
Hexane
Concen: 0.456 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 57 Resp: 34984

Ion	Ratio	Lower	Upper
57	100		
41	106.2	70.5	105.7#
43	79.1	181.8	272.8#
56	61.7	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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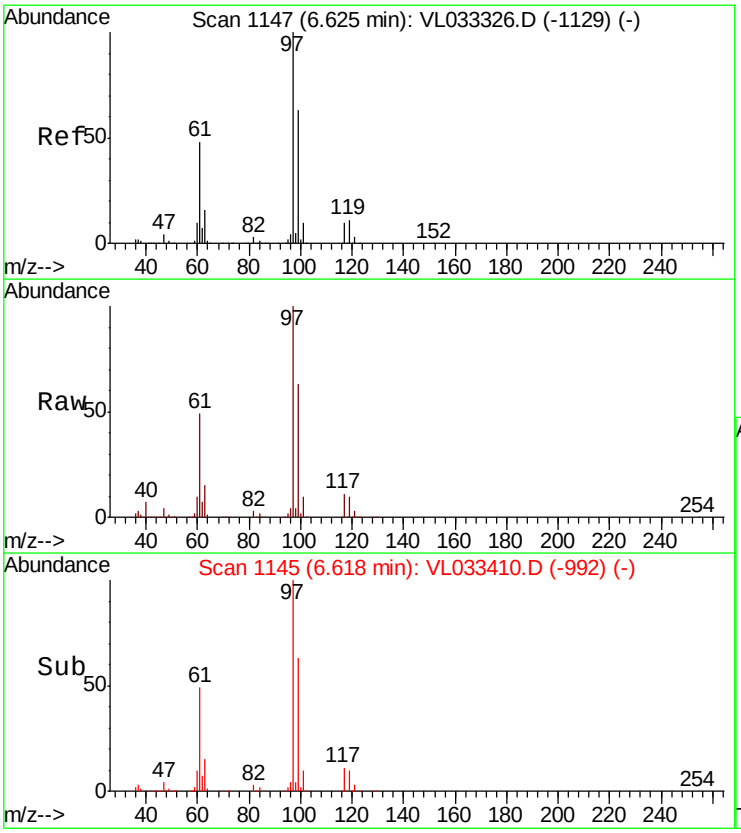
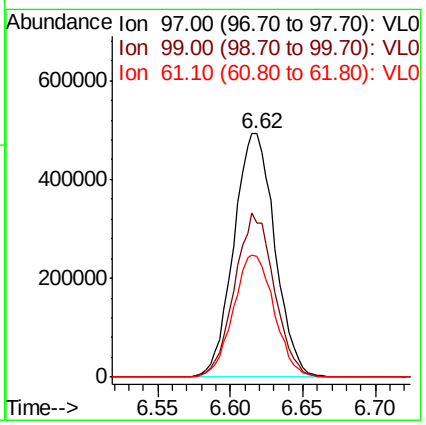
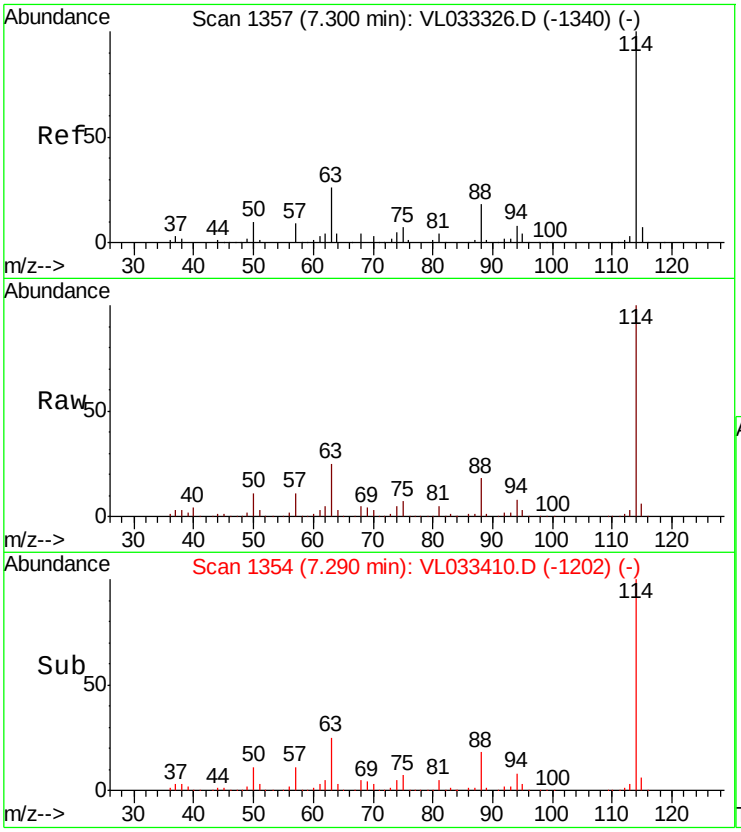


#32
1,1,1-Trichloroethane
Concen: 7.856 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 97 Resp: 969859

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	50.0	39.3	58.9

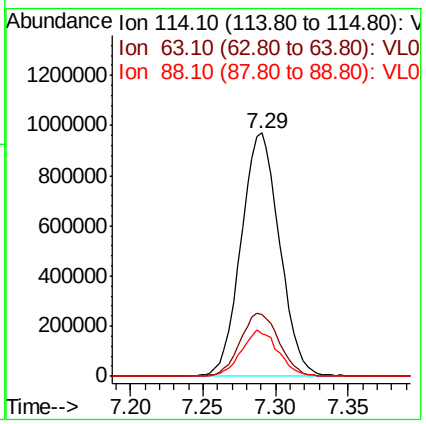




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion:114 Resp: 1795348

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.4	32.2
88	18.0	14.5	21.7



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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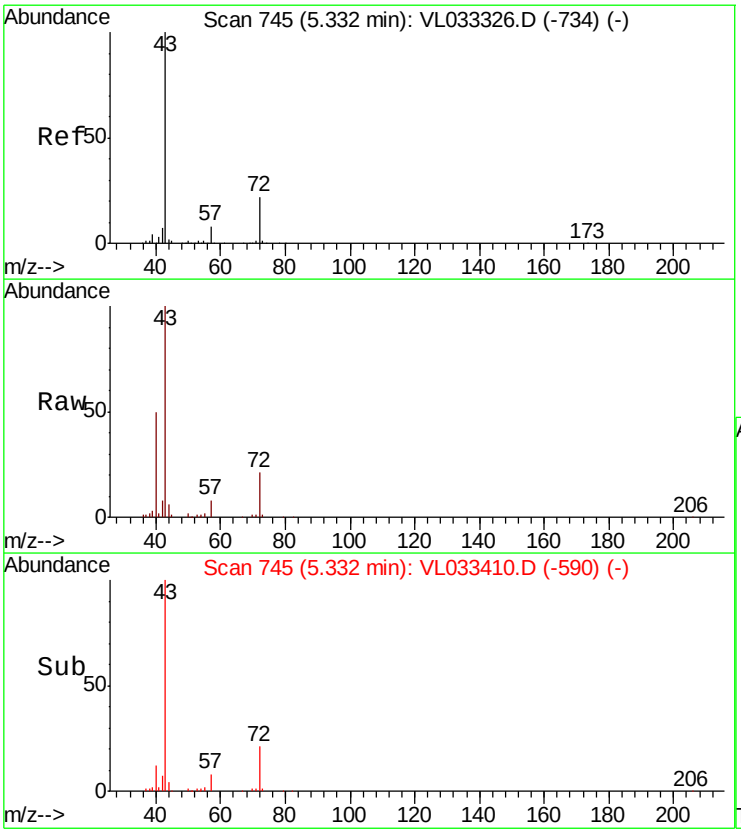
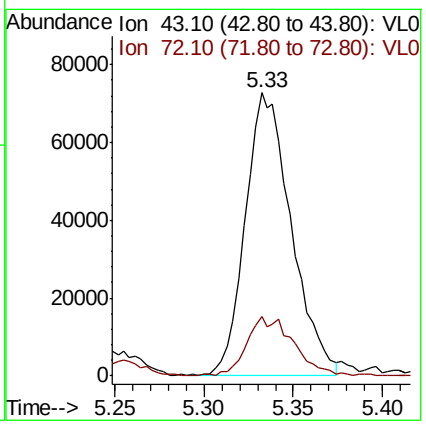
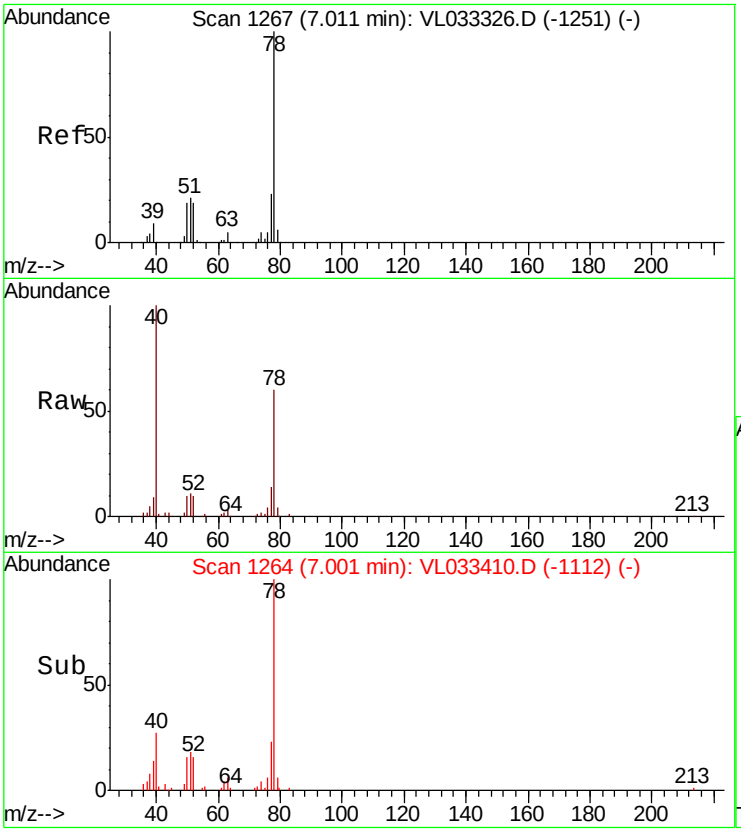


#34
2-Butanone
Concen: 1.107 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 43 Resp: 130521

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5

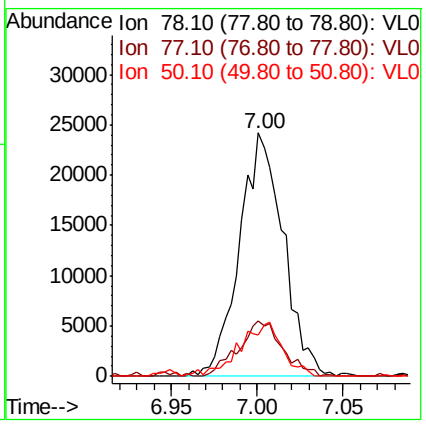




#36
Benzene
Concen: 0.266 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 78 Resp: 42704

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.1	27.1
50	17.1	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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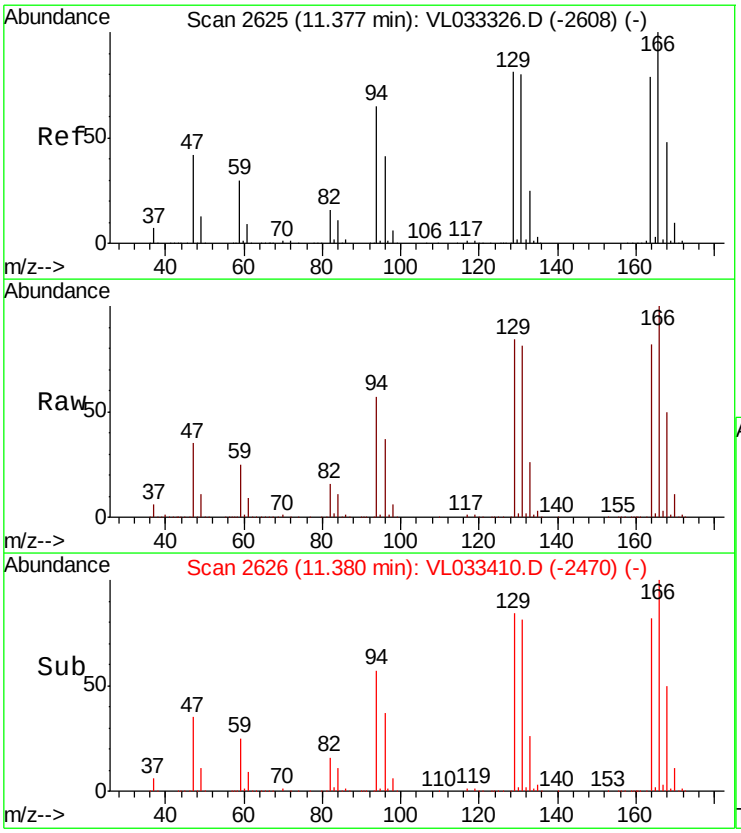
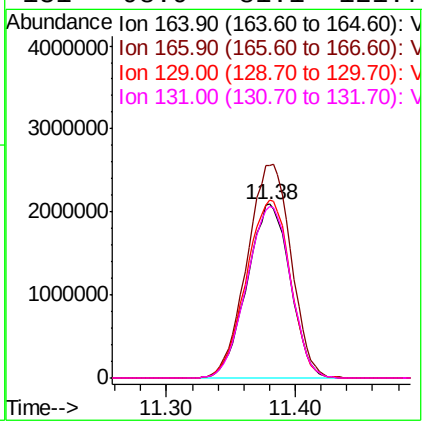
3/25/2019 8:27:14 AM

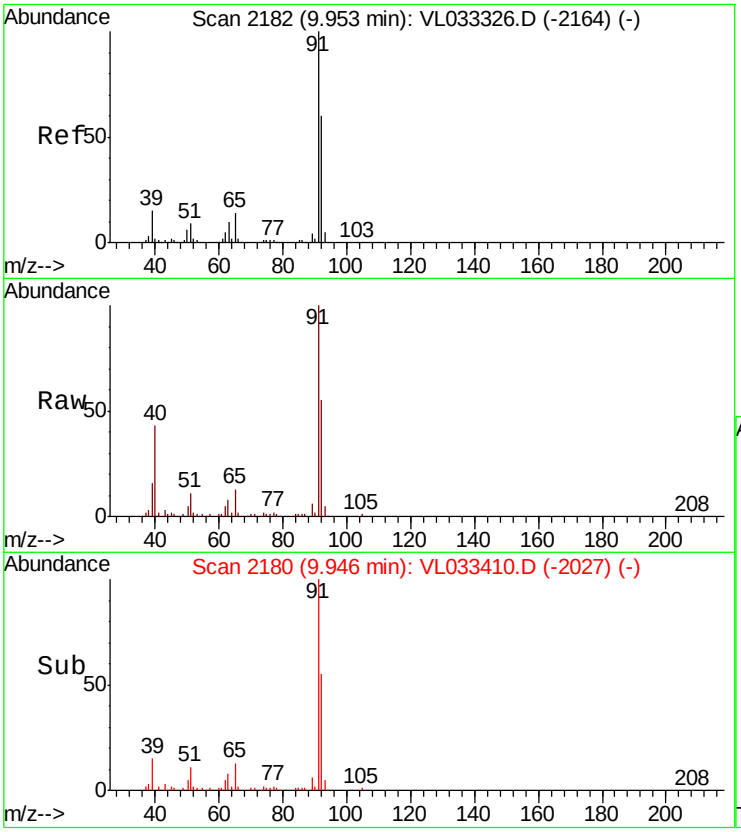


#52
Tetrachloroethene
Concen: 72.794 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion:164 Resp: 4872630

Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.5	152.3
129	102.4	82.2	123.2
131	98.9	81.1	121.7

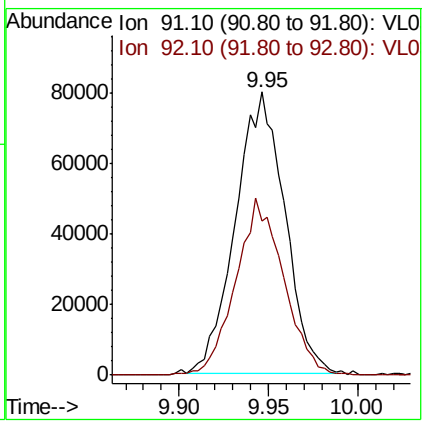




#53
Toluene
Concen: 0.840 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

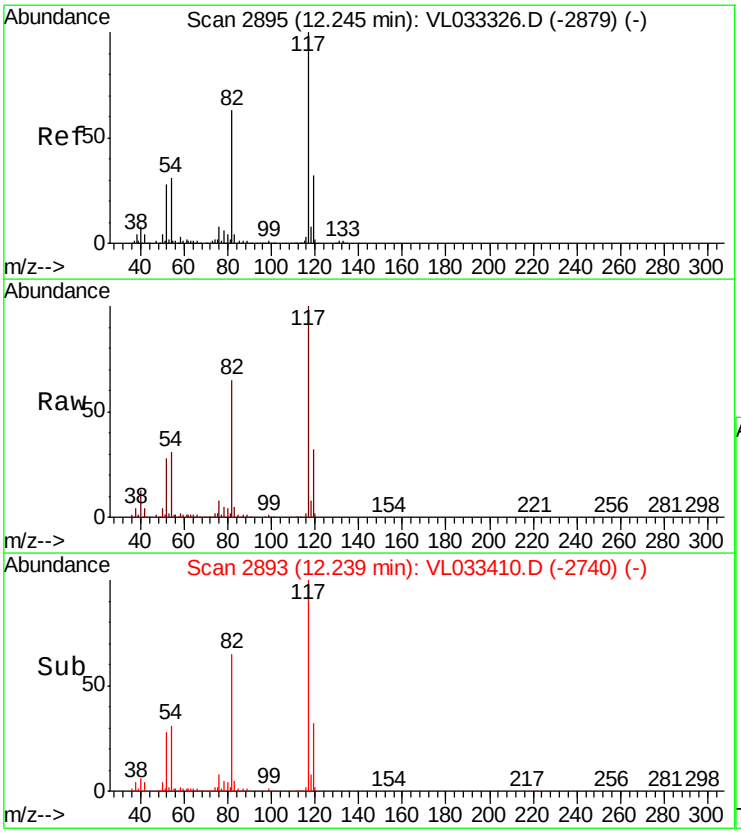
Tgt Ion: 91 Resp: 153309

Ion	Ratio	Lower	Upper
91	100		
92	61.4	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
SV1

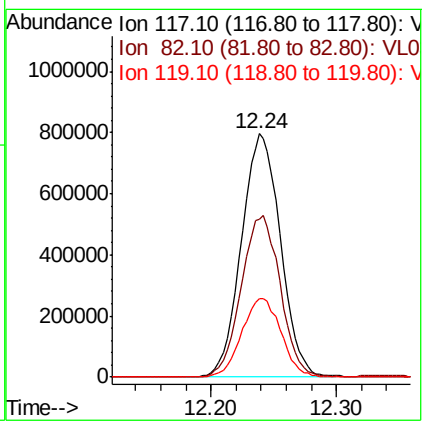
Manual Integrations APPROVED
MMDadoda
3/25/2019 8:27:14 AM

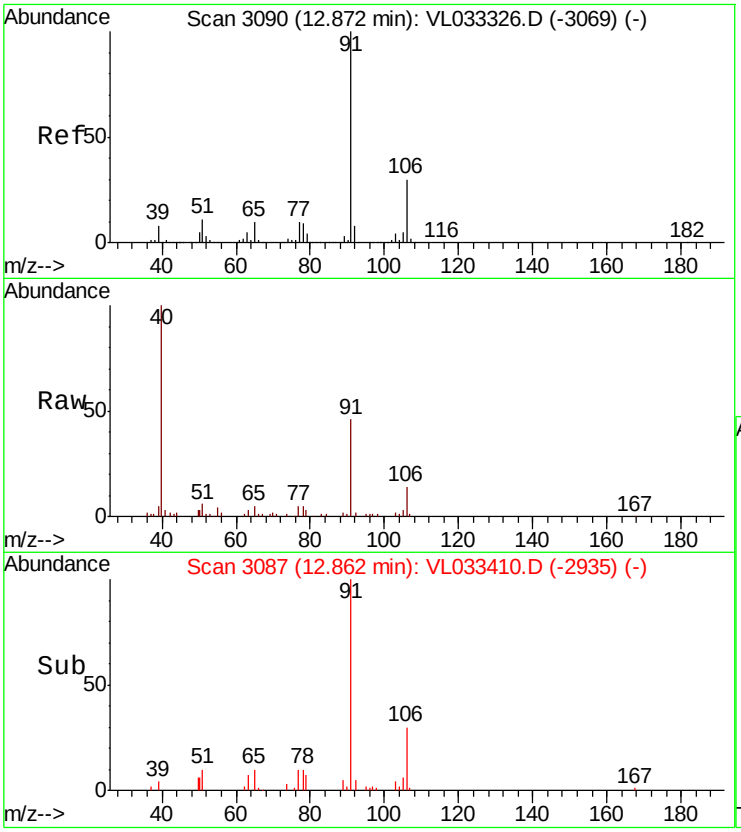


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion:117 Resp: 1714450

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.4	80.2
119	32.6	27.3	40.9

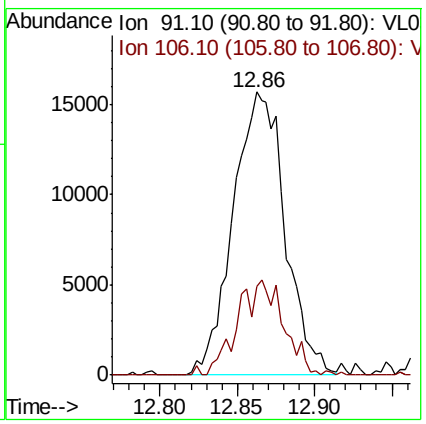




#58
Ethyl Benzene
Concen: 0.151 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

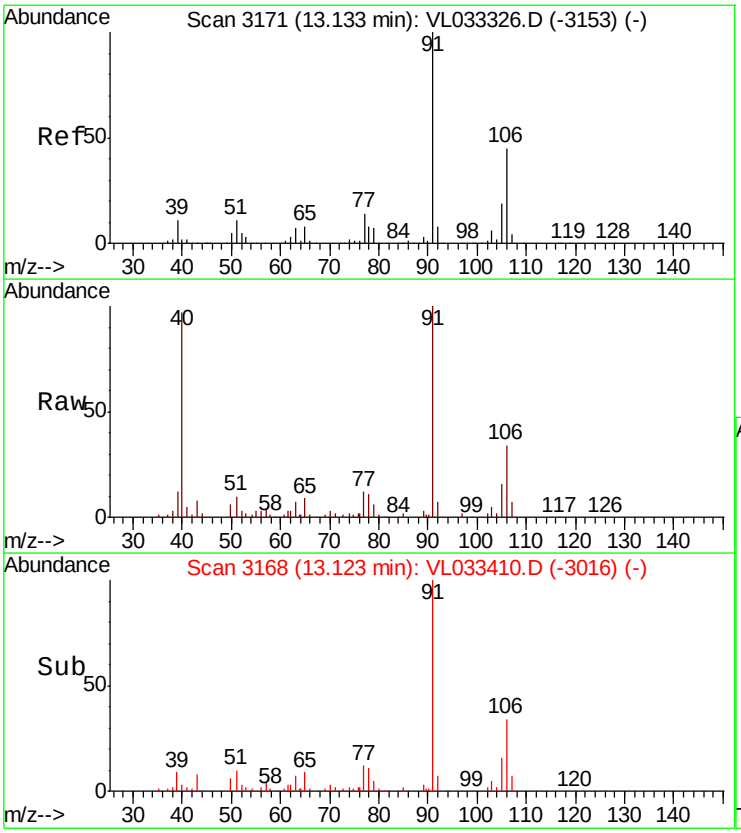
Tgt Ion: 91 Resp: 36530

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
SV1

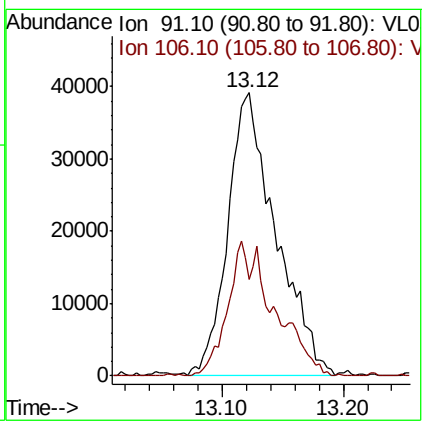
Manual Integrations APPROVED
MMDadoda
3/25/2019 8:27:14 AM

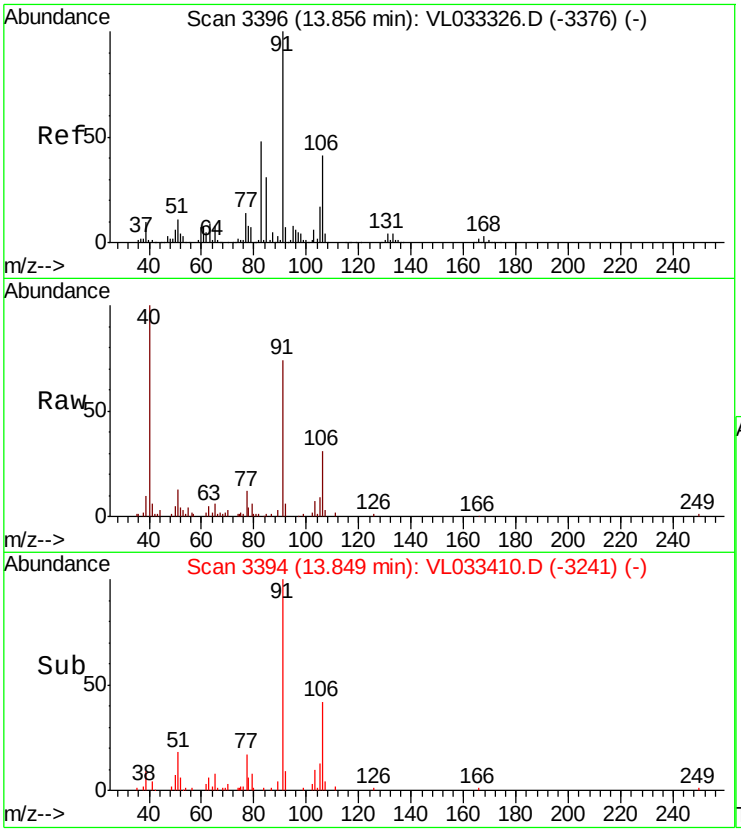


#59
m/p-Xylene
Concen: 0.518 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 91 Resp: 107968

Ion	Ratio	Lower	Upper
91	100		
106	45.5	0.0	0.0#

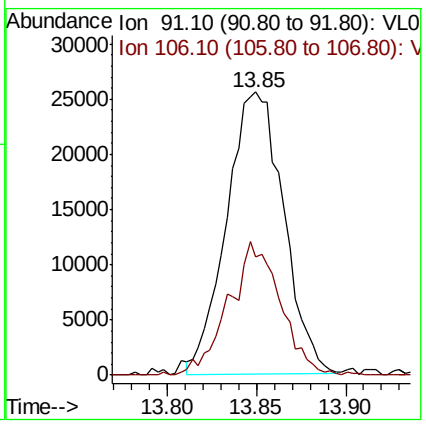




#60
o-Xylene
Concen: 0.279 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 91 Resp: 56803

Ion	Ratio	Lower	Upper
91	100		
106	43.2	21.3	63.9



Instrument :
MSVOA_L
ClientSampleId :
SV1

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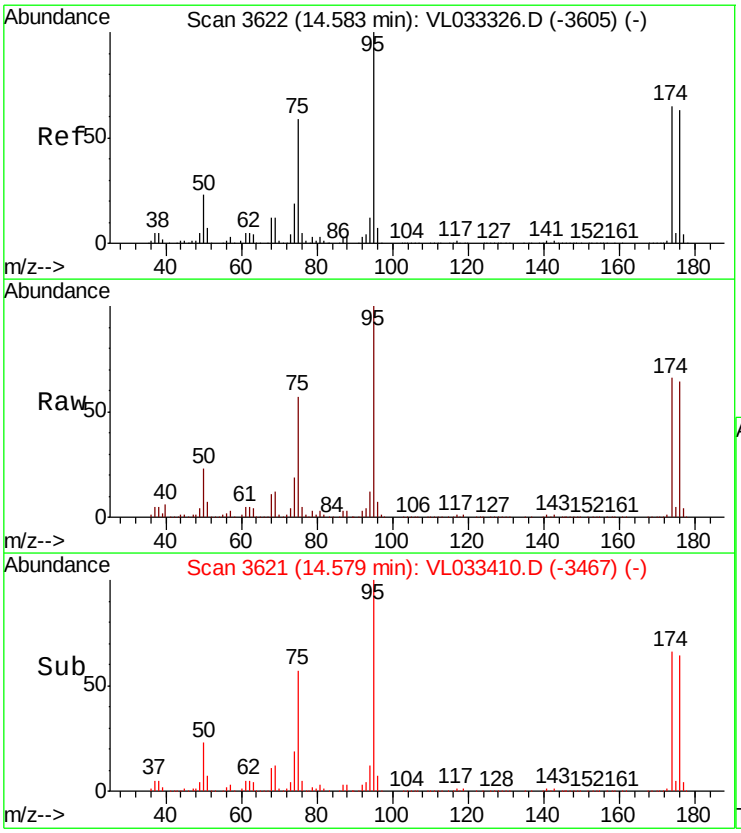
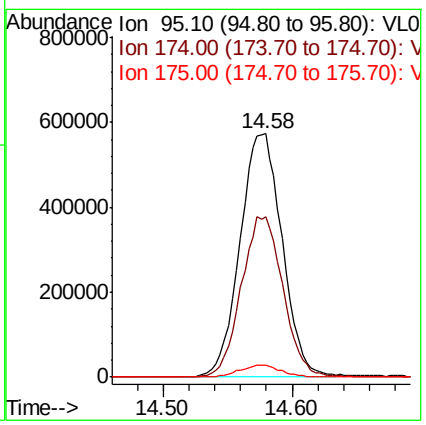
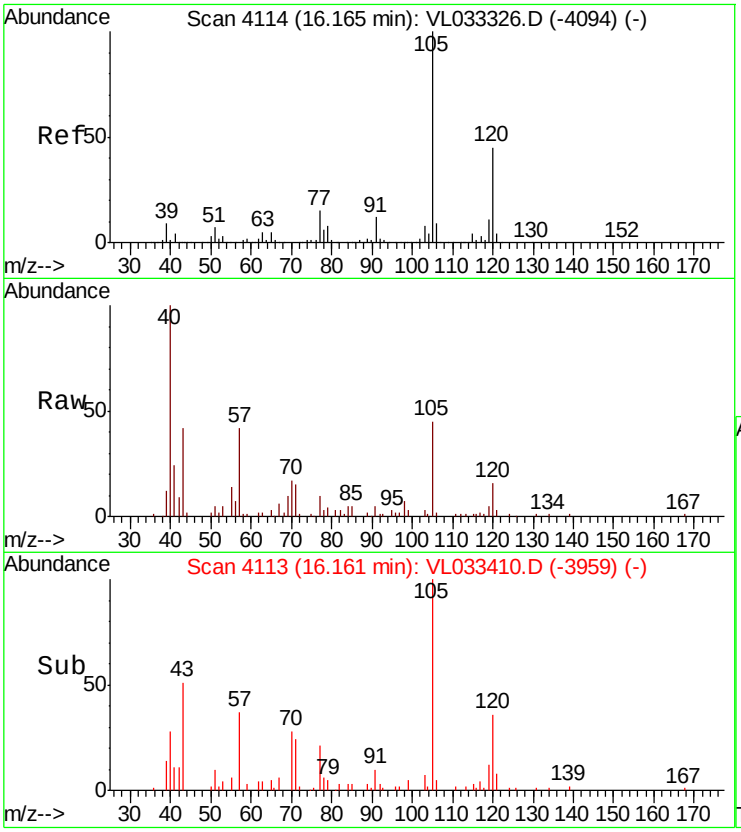


#68
1-Bromo-4-Fluorobenzene
Concen: 10.276 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion: 95 Resp: 1305442

Ion	Ratio	Lower	Upper
95	100		
174	65.4	51.5	77.3
175	4.8	3.8	5.6





#73
1,3,5-Trimethylbenzene
Concen: 0.186 ppbv m
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion:105 Resp: 41775

Ion	Ratio	Lower	Upper
105	100		
120	35.7	36.2	54.4#

Instrument :
MSVOA_L
ClientSampleId :
SV1

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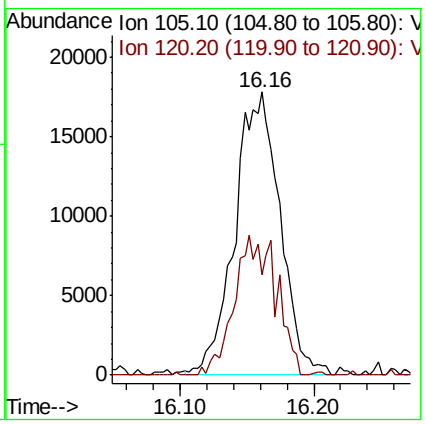

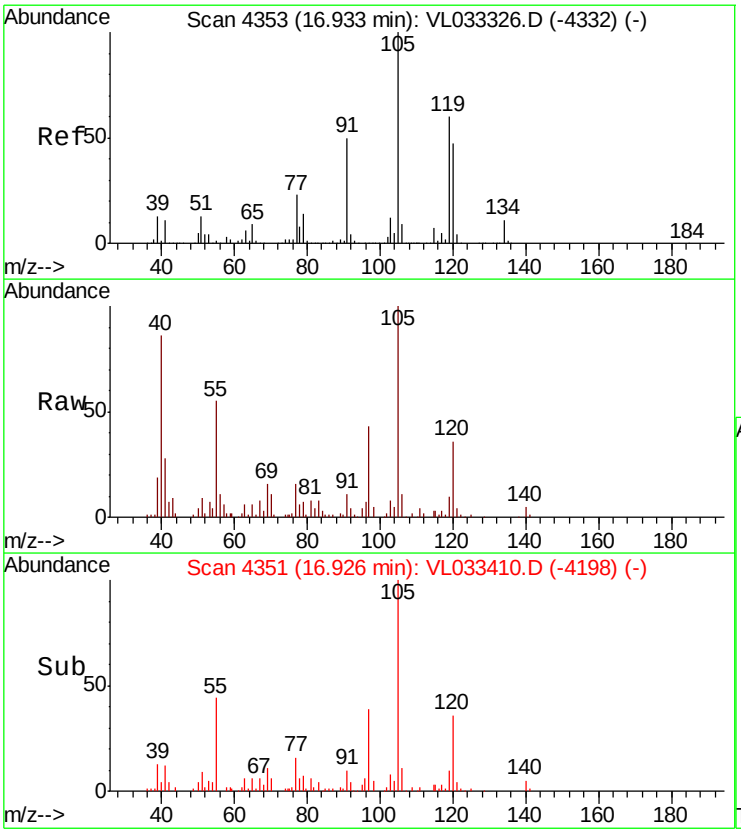

#74
1,2,4-Trimethylbenzene
Concen: 0.425 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033410.D
Acq: 21 Mar 2019 4:13

Tgt Ion:105 Resp: 101198

Ion	Ratio	Lower	Upper
105	100		
120	35.5	37.4	56.2#
91	10.3	41.0	61.4#
77	15.0	18.5	27.7#