Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034268.D
Acq On : 9 Oct 2019 3:51
Operator : SY/AP
Sample : K5243-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1

Manual Integrations APPROVED
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10/11/2019 5:08:10 PM

Quant Time: Oct 09 06:45:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	968770	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	1845388	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.17	117	1860239	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.50	95	1719251	10.64	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	957578	6.692	ppbv		98
4) Chloromethane	3.12	50	25666	0.385	ppbv		95
9) Propene	2.99	41	667537	11.911	ppbv		84
10) Heptane	8.17	43	1987556	13.608	ppbv		97
11) Trichlorofluoromethane	3.94	101	123124	0.945	ppbv		92
13) Ethanol	3.61	45	314494	23.175	ppbv		97
15) Acetone	3.85	43	12441732	95.822	ppbv	#	27
17) tert-Butyl alcohol	4.33	59	539613	6.559	ppbv		99
19) Isopropyl Alcohol	4.00	45	15298088	191.600	ppbv		100
20) Methylene Chloride	4.36	84	52448	1.401	ppbv		89
26) Hexane	5.71	57	3141756	30.761	ppbv	#	41
27) Carbon Disulfide	4.56	76	151046	1.604	ppbv		98
29) Chloroform	5.79	83	328139	2.248	ppbv		100
30) Cyclohexane	7.17	84	130980	1.776	ppbv		97
34) 2-Butanone	5.27	43	4124374	21.889	ppbv		92
36) Benzene	6.93	78	390810	1.918	ppbv		95
38) Trichloroethene	7.89	130	6538461	89.786	ppbv		90
50) 4-Methyl-2-Pentanone	8.80	43	641351	2.339	ppbv		97
51) 2-Hexanone	10.20	43	1747190	7.592	ppbv		100
52) Tetrachloroethene	11.38	164	24013995m	356.626	ppbv		
53) Toluene	9.87	91	2835968	12.732	ppbv		100
58) Ethyl Benzene	12.80	91	1150978	3.835	ppbv		93
59) m/p-Xylene	13.05	91	4291218	17.261	ppbv		99
60) o-Xylene	13.78	91	1743766	7.015	ppbv		98
61) Styrene	13.62	104	140130m	0.787	ppbv		
62) Isopropylbenzene	14.76	105	90658m	0.282	ppbv		
72) 4-Ethyltoluene	15.92	105	237897m	0.847	ppbv		
73) 1,3,5-Trimethylbenzene	16.09	105	217394	0.801	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.86	105	520280	1.806	ppbv	#	69

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

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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 06:45:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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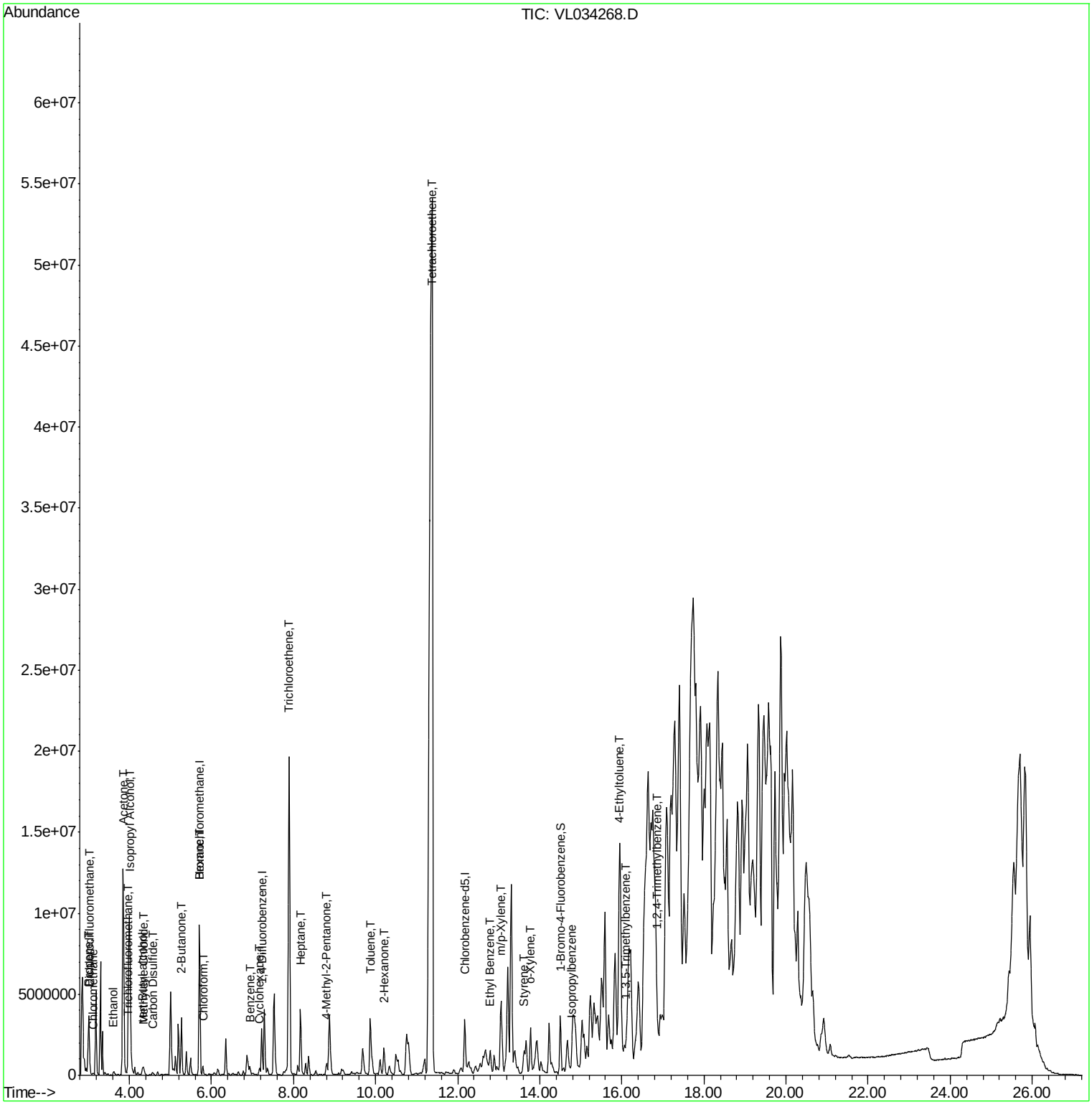
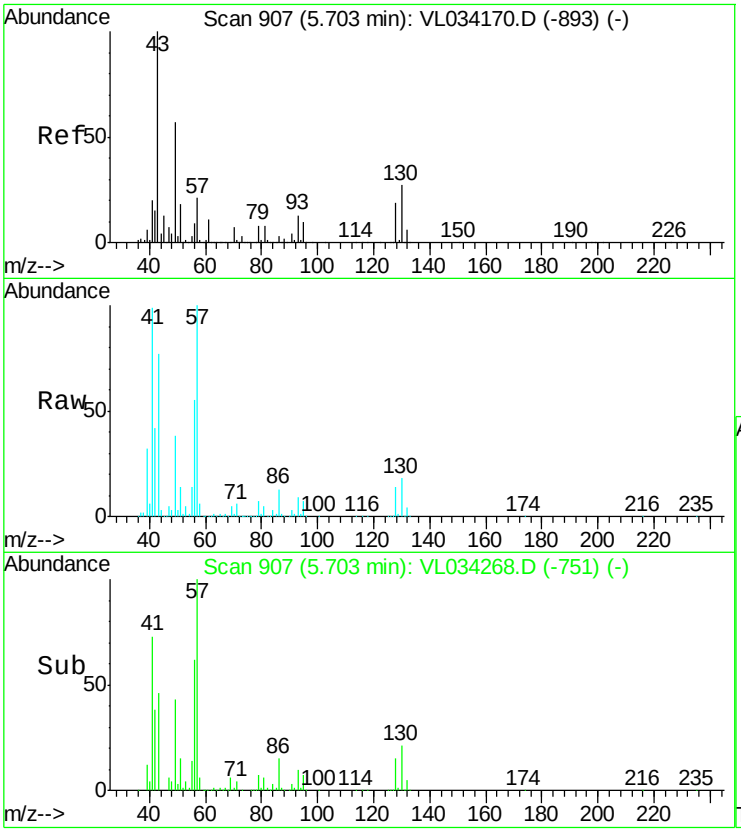
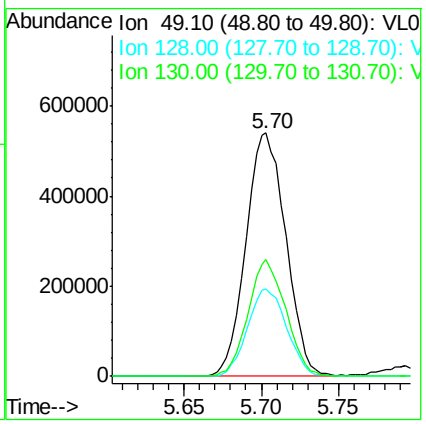




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 49 Resp: 968770

Ion	Ratio	Lower	Upper
49	100		
128	35.6	17.6	52.9
130	45.6	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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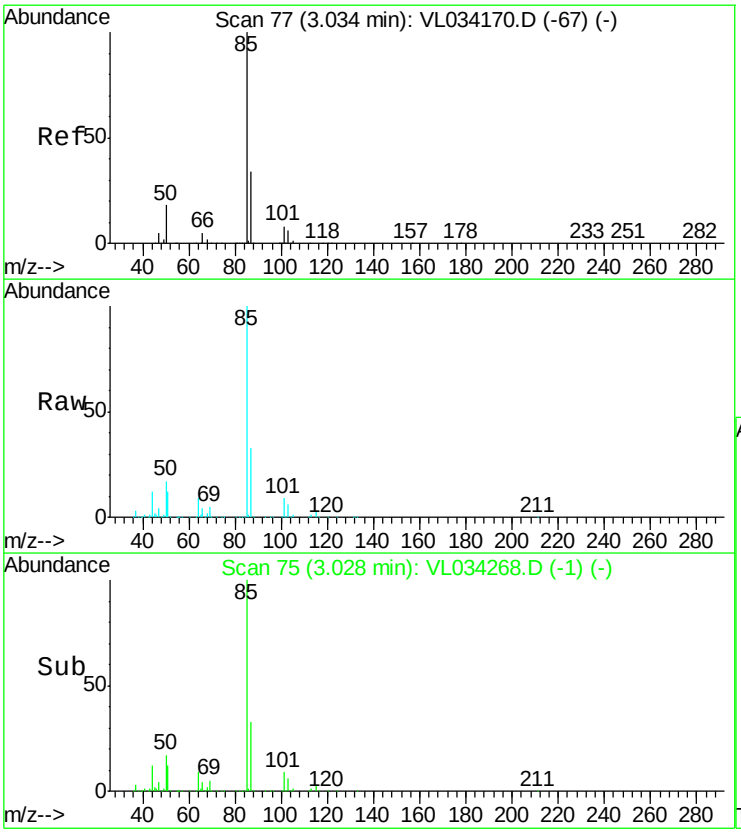
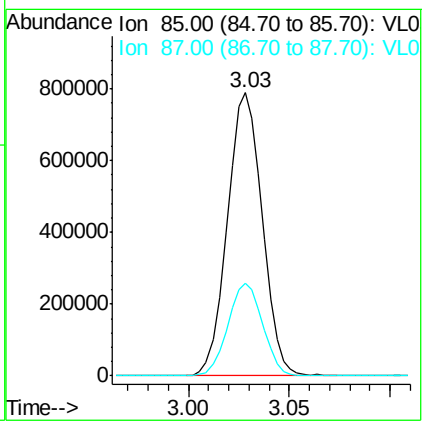
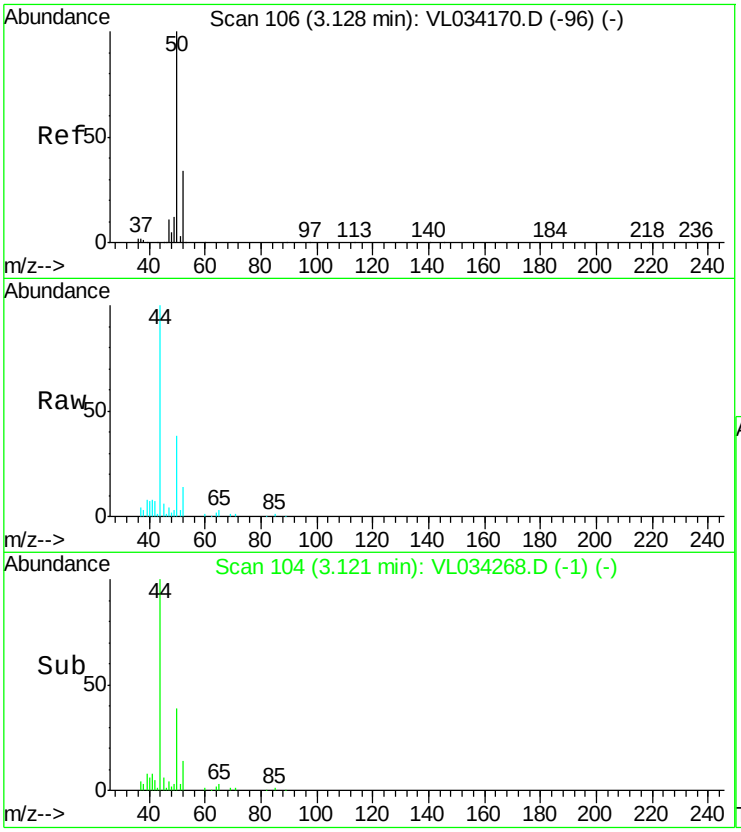


#2
Dichlorodifluoromethane
Concen: 6.692 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 85 Resp: 957578

Ion	Ratio	Lower	Upper
85	100		
87	32.8	27.2	40.8





#4
Chloromethane
Concen: 0.385 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 50 Resp: 25666

Ion	Ratio	Lower	Upper
50	100		
52	36.6	27.1	40.7

Instrument :
MSVOA_L
ClientSampleId :
SV1

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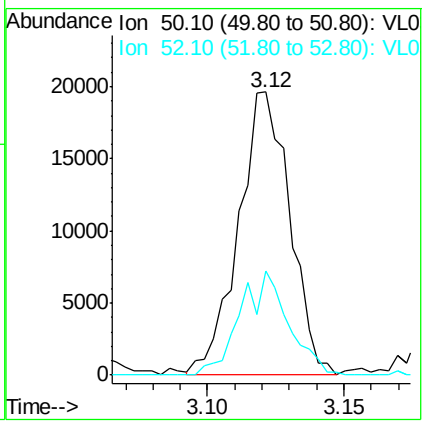
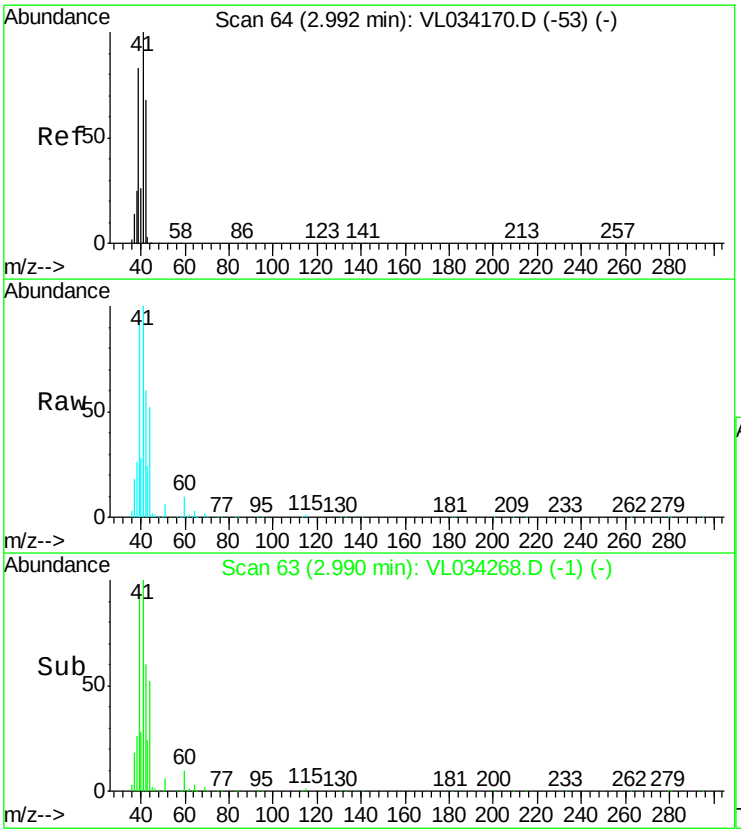
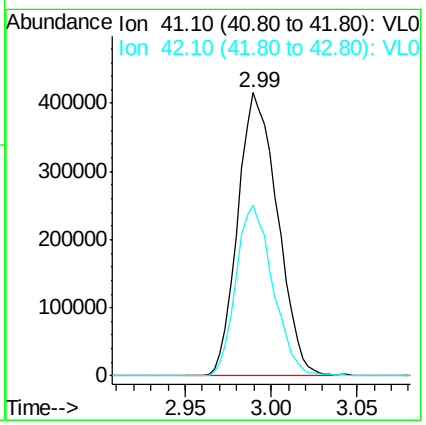


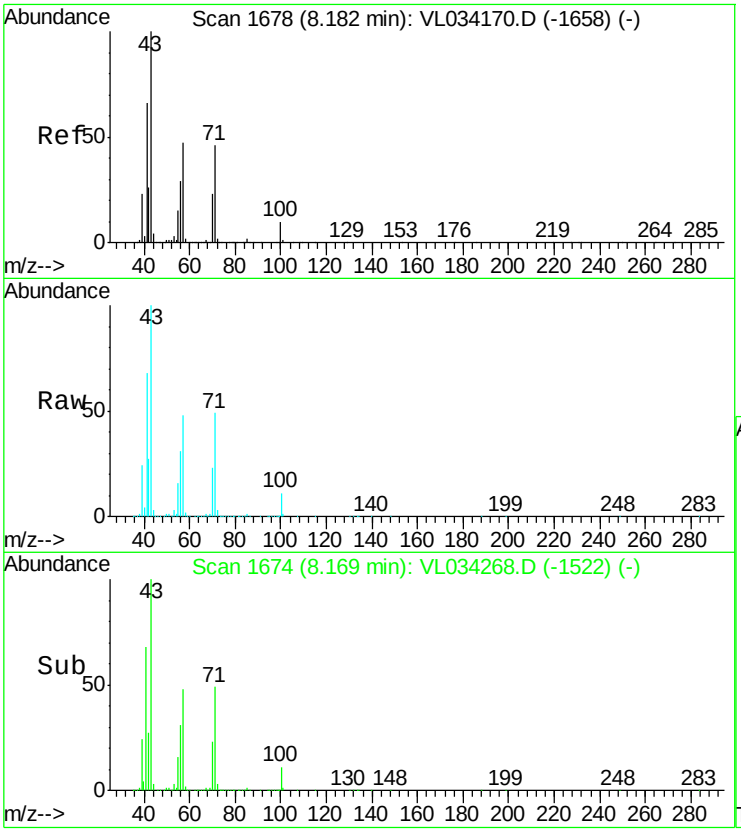


#9
Propene
Concen: 11.911 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 41 Resp: 667537

Ion	Ratio	Lower	Upper
41	100		
42	56.4	55.8	83.6

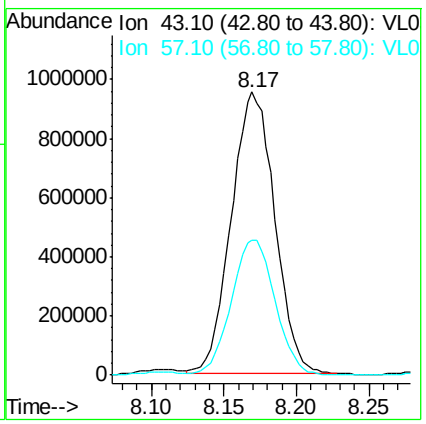




#10
Heptane
Concen: 13.608 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 43 Resp: 1987556

Ion	Ratio	Lower	Upper
43	100		
57	49.2	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
SV1

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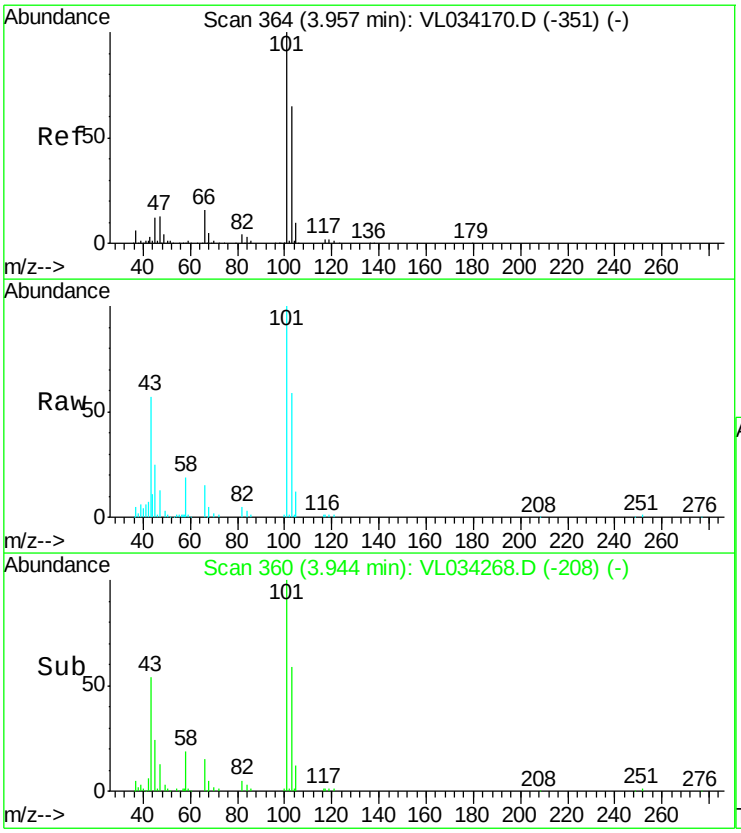
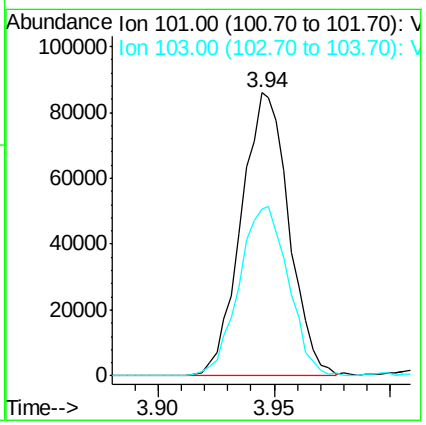
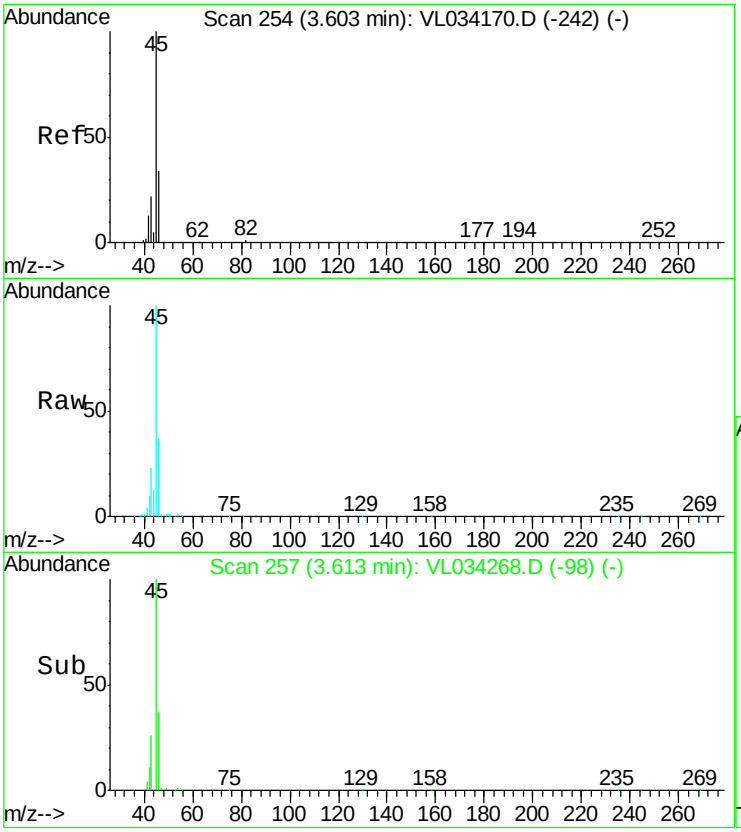


#11
Trichlorofluoromethane
Concen: 0.945 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:101 Resp: 123124

Ion	Ratio	Lower	Upper
101	100		
103	58.5	52.1	78.1

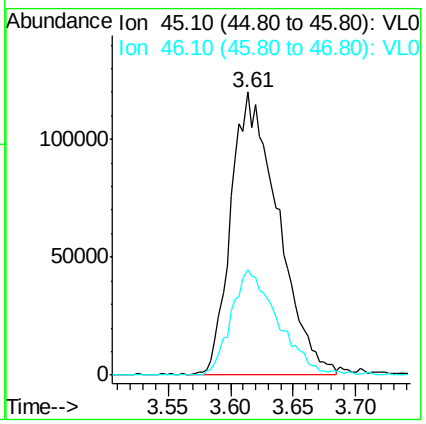




#13
Ethanol
Concen: 23.175 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 45 Resp: 314494

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.5	61.9



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED
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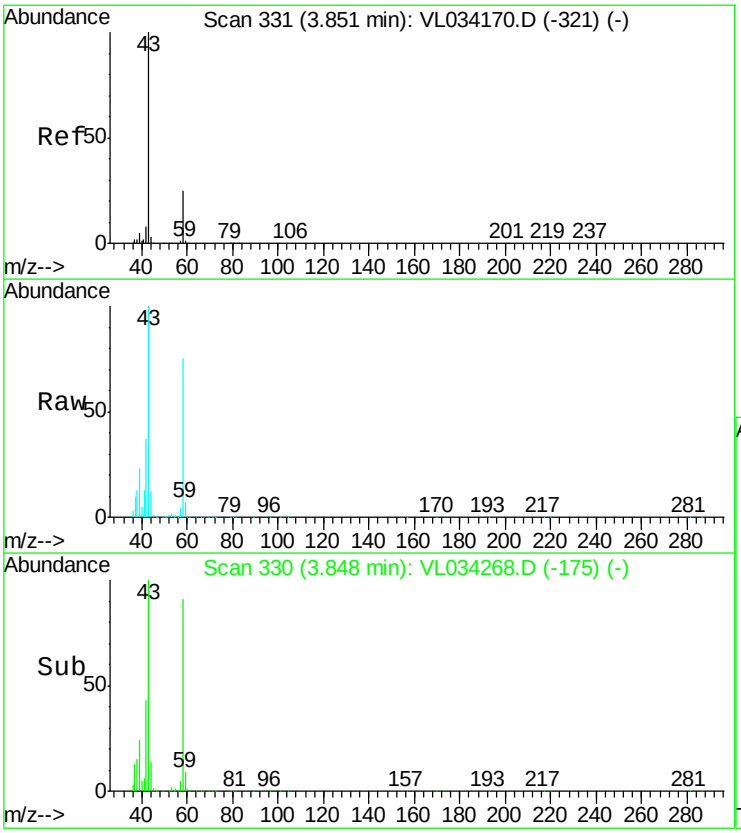
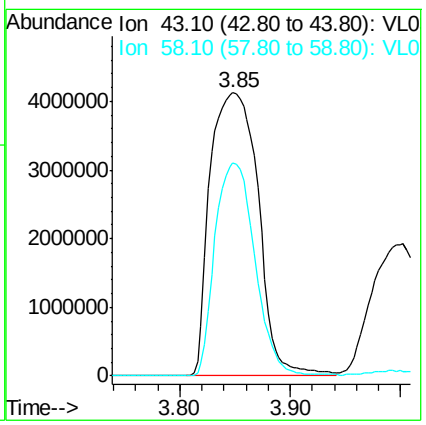
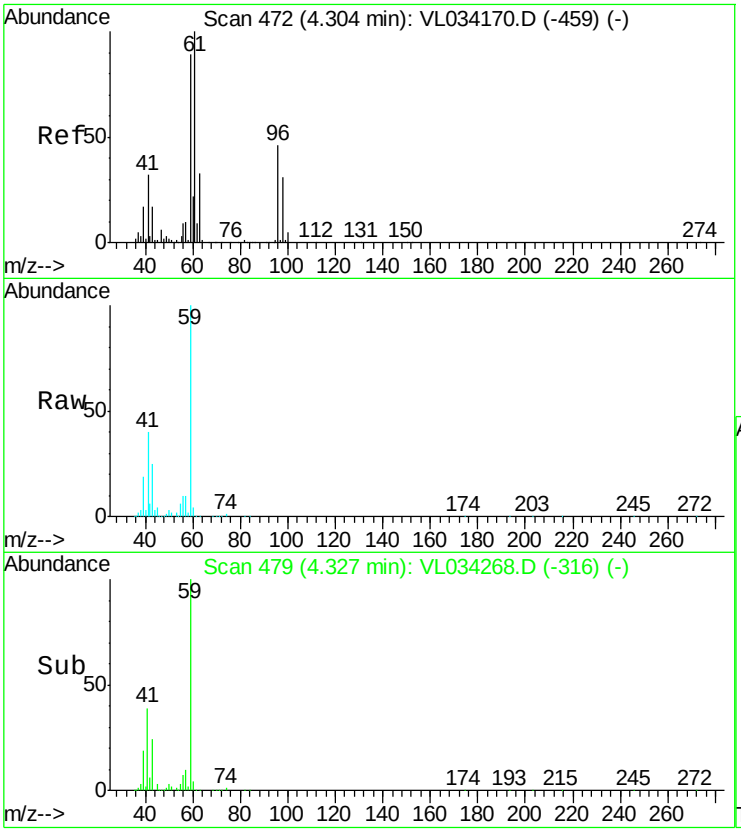


#15
Acetone
Concen: 95.822 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 43 Resp:12441732

Ion	Ratio	Lower	Upper
43	100		
58	62.6	20.5	30.7#

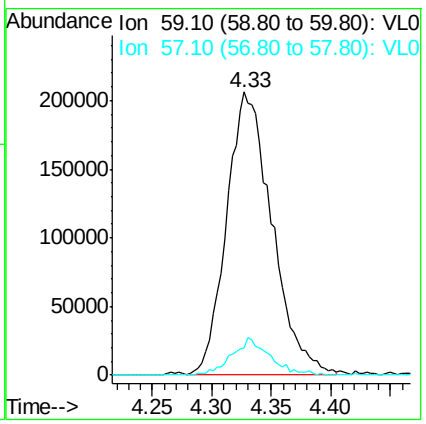




#17
tert-Butyl alcohol
Concen: 6.559 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 59 Resp: 539613

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.7	13.1



Instrument :
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ClientSampleId :
SV1

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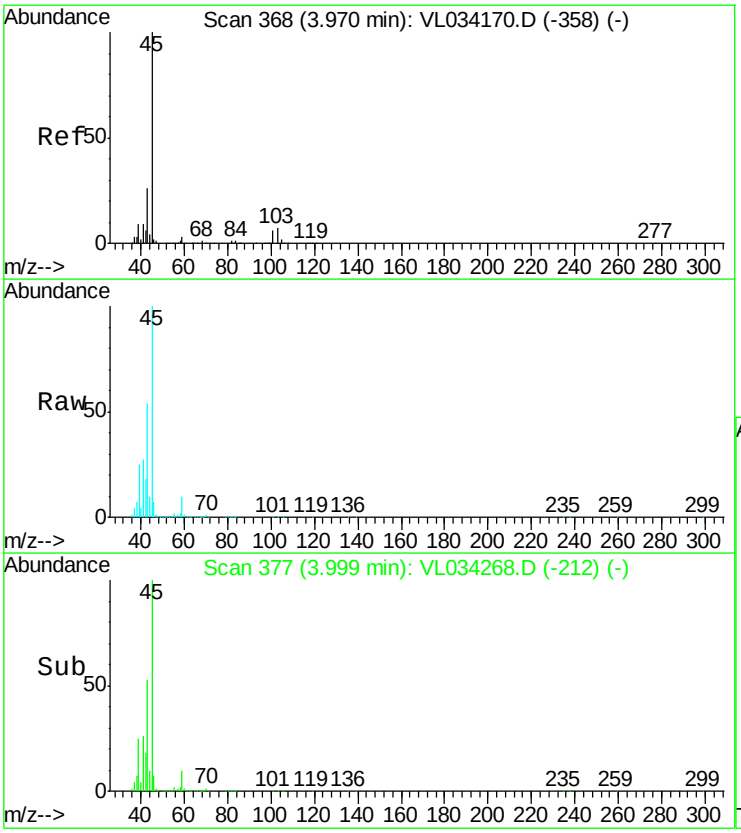
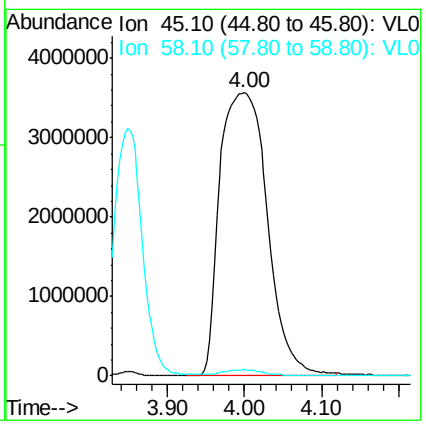
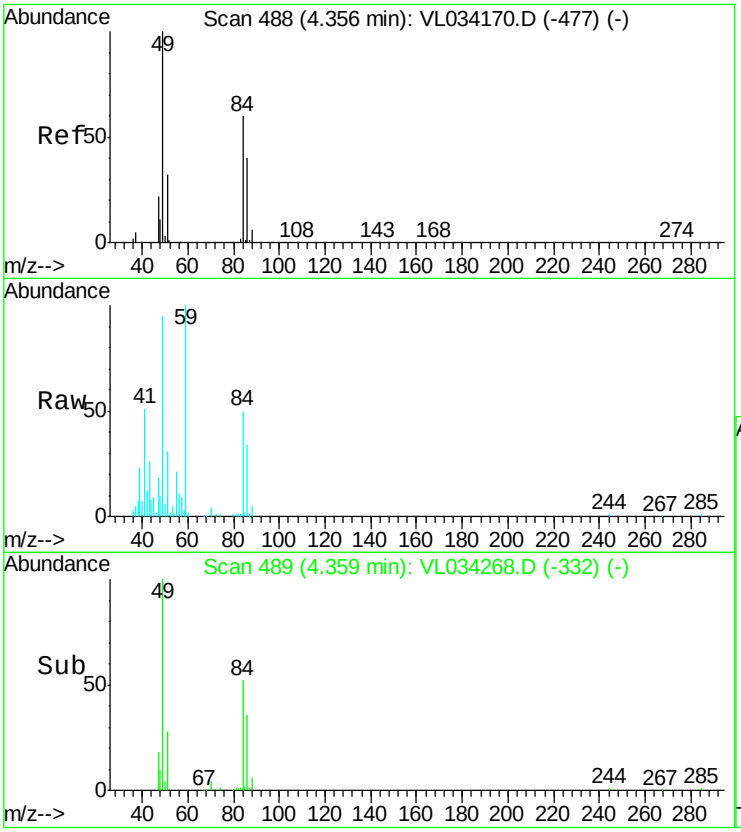


#19
Isopropyl Alcohol
Concen: 191.600 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.03 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 45 Resp:15298088

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.0

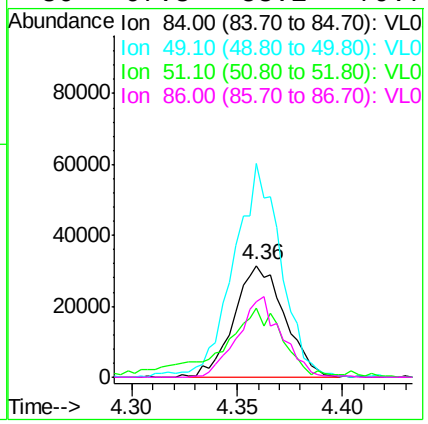




#20
Methylene Chloride
Concen: 1.401 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 84 Resp: 52448

Ion	Ratio	Lower	Upper
84	100		
49	189.2	133.8	200.8
51	59.6	43.6	65.4
86	67.8	53.1	79.7



Instrument :
MSVOA_L
ClientSampleId :
SV1

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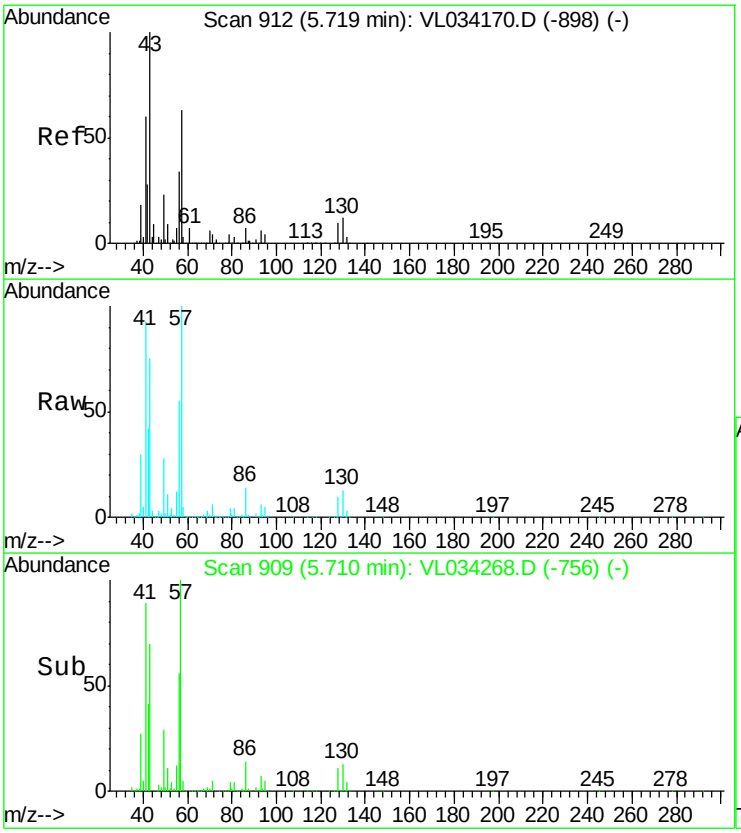
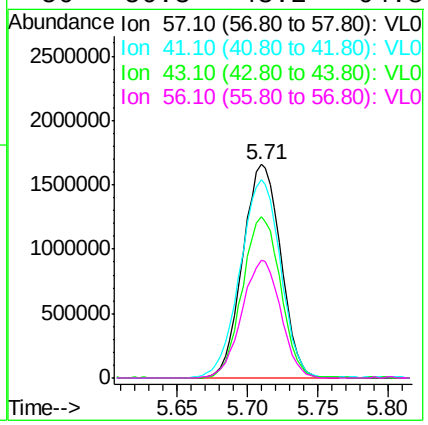
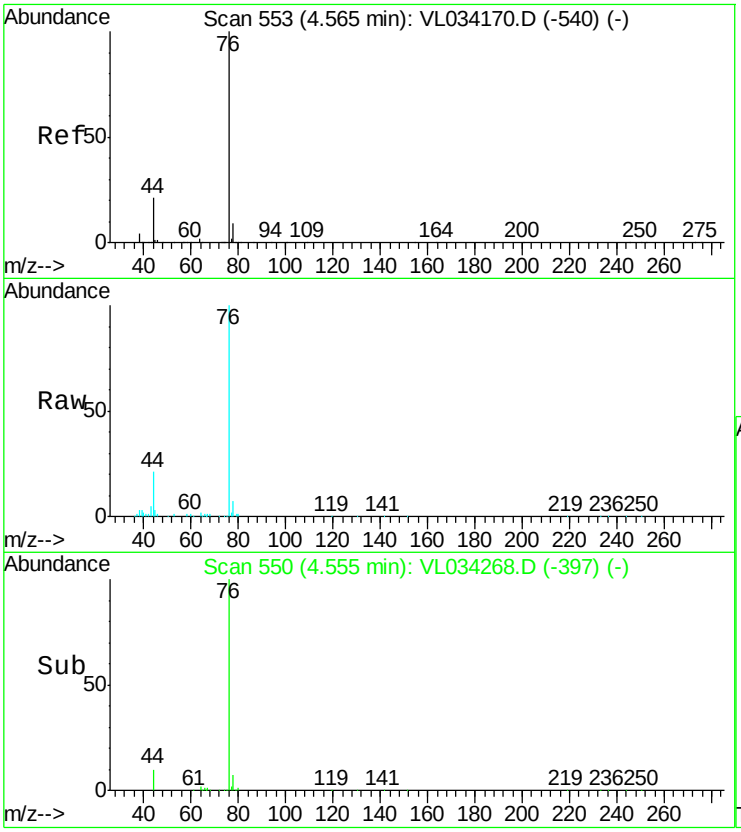


#26
Hexane
Concen: 30.761 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 57 Resp: 3141756

Ion	Ratio	Lower	Upper
57	100		
41	98.7	78.5	117.7
43	75.2	189.5	284.3#
56	56.3	43.2	64.8

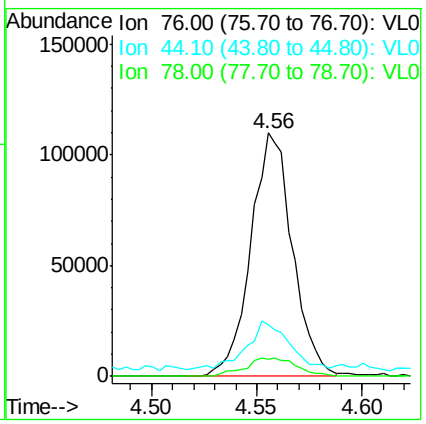




#27
Carbon Disulfide
Concen: 1.604 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 76 Resp: 151046

Ion	Ratio	Lower	Upper
76	100		
44	23.0	17.6	26.4
78	9.2	7.6	11.4



Instrument :
MSVOA_L
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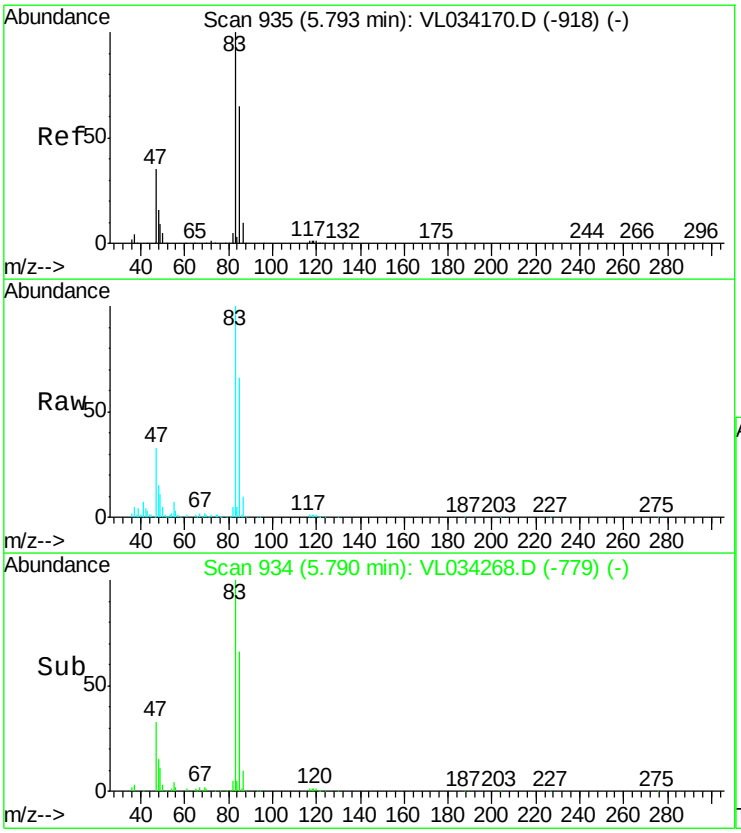
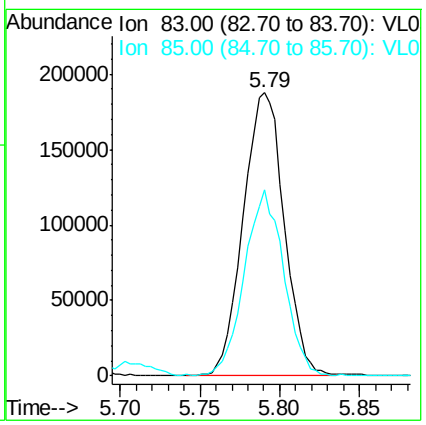
10/11/2019 5:08:10 PM

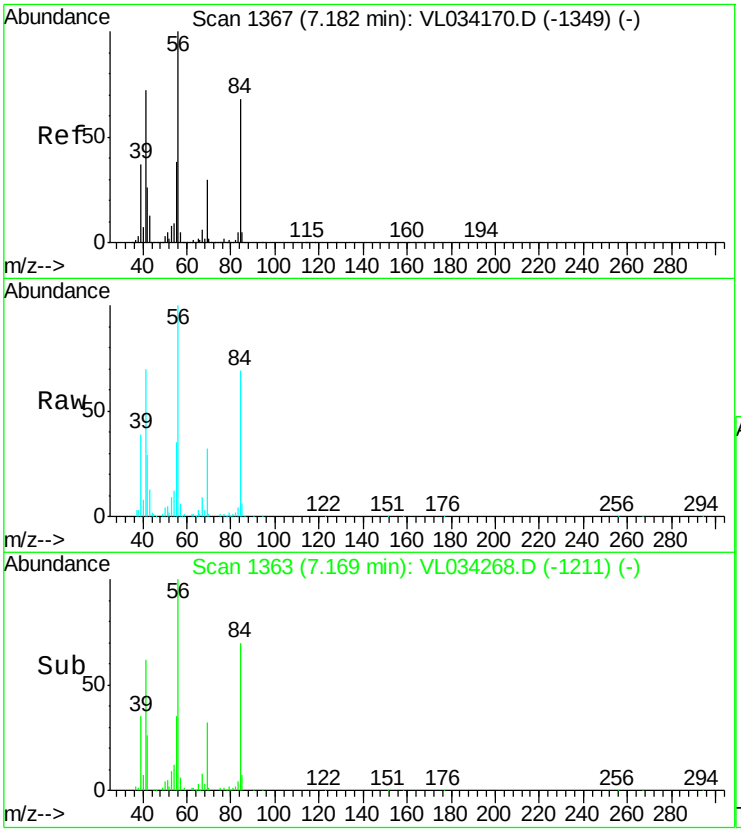


#29
Chloroform
Concen: 2.248 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 83 Resp: 328139

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5

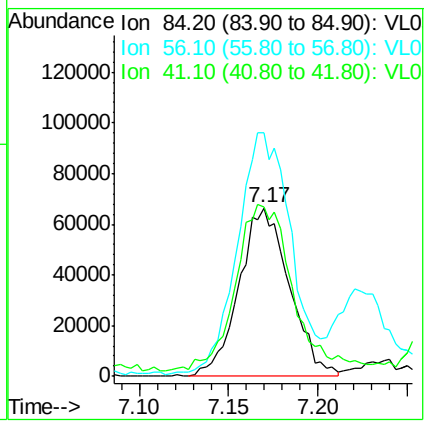




#30
Cyclohexane
Concen: 1.776 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

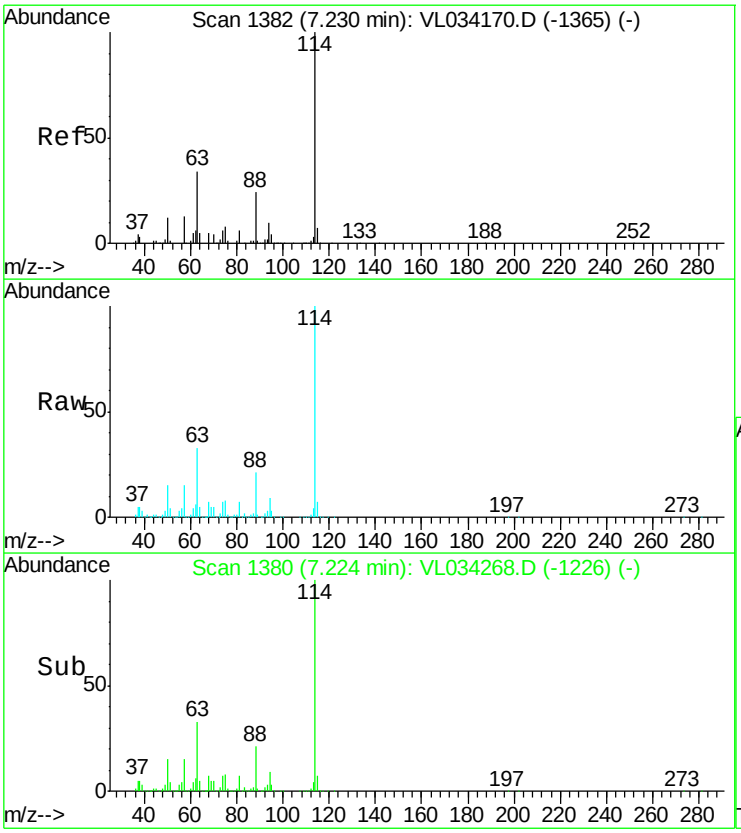
Tgt Ion: 84 Resp: 130980

Ion	Ratio	Lower	Upper
84	100		
56	152.8	126.2	189.2
41	108.7	85.8	128.8



Instrument :
MSVOA_L
ClientSampleId :
SV1

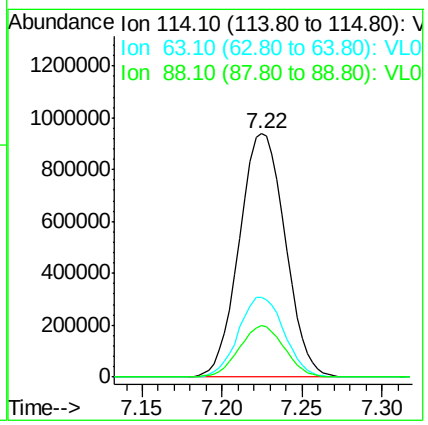
Manual Integrations APPROVED
MMDadoda
10/11/2019 5:08:10 PM

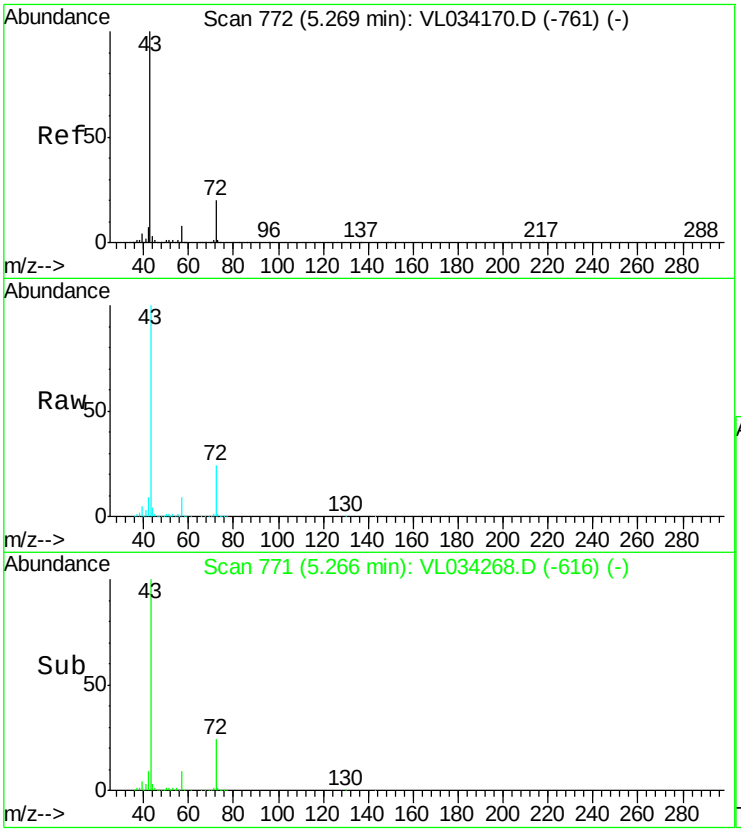


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:114 Resp: 1845388

Ion	Ratio	Lower	Upper
114	100		
63	33.2	27.8	41.6
88	20.7	17.1	25.7

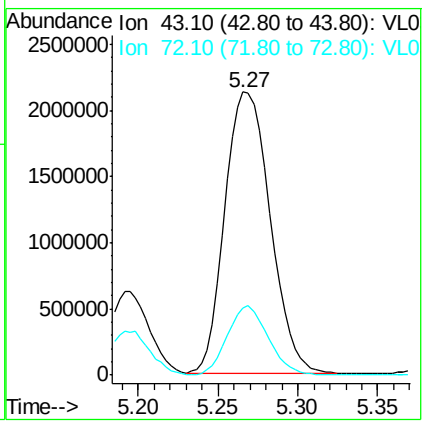




#34
2-Butanone
Concen: 21.889 ppbv
RT: 5.27 min Scan# 771
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 43 Resp: 4124374

Ion	Ratio	Lower	Upper
43	100		
72	22.2	15.0	22.6



Instrument :
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ClientSampleId :
SV1

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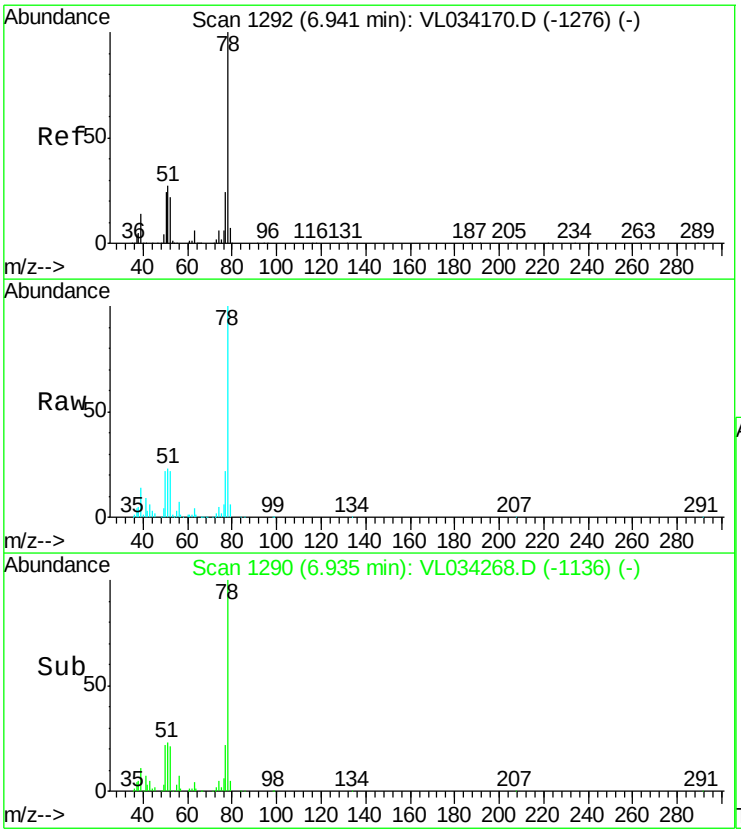
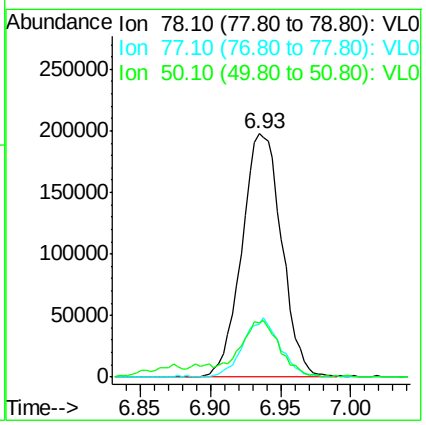
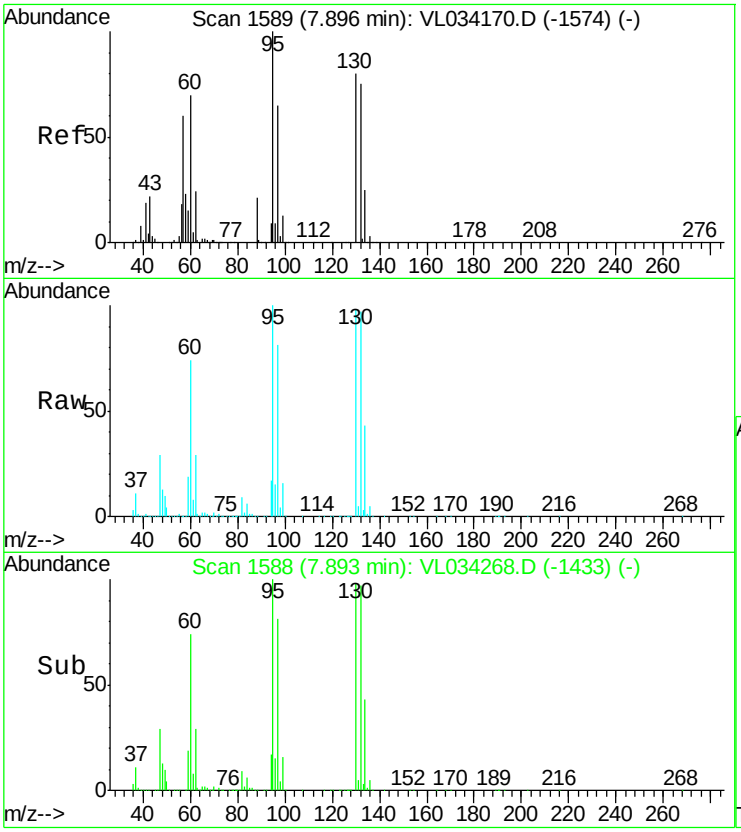


#36
Benzene
Concen: 1.918 ppbv
RT: 6.93 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 78 Resp: 390810

Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.0	28.4
50	21.2	18.9	28.3

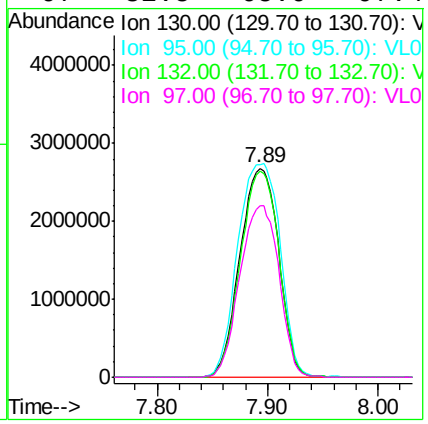




#38
Trichloroethene
Concen: 89.786 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:130 Resp: 6538461

Ion	Ratio	Lower	Upper
130	100		
95	102.1	99.8	149.6
132	98.8	75.2	112.8
97	82.5	65.0	97.4



Instrument :
MSVOA_L
ClientSampleId :
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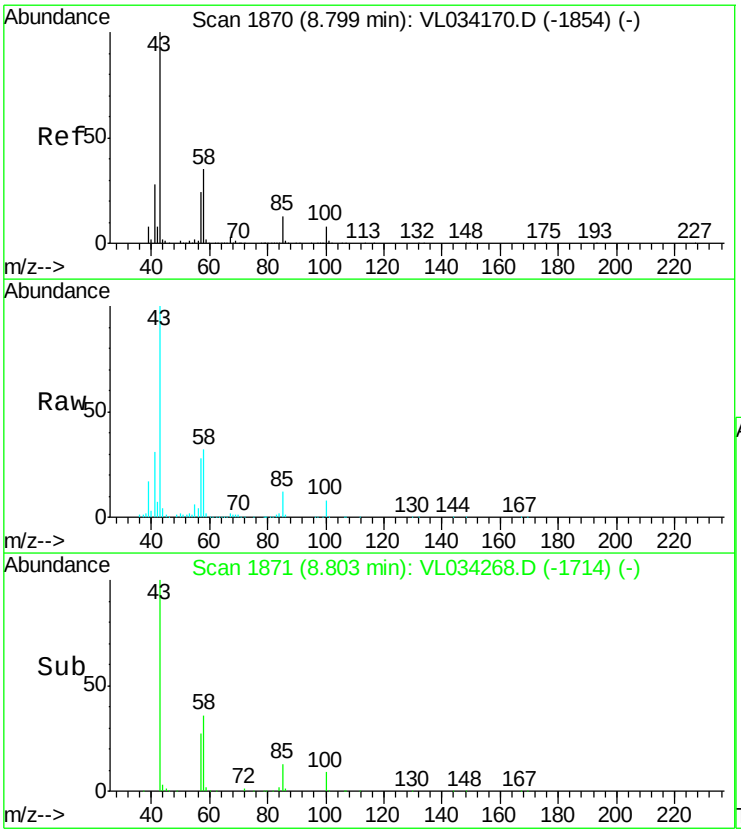
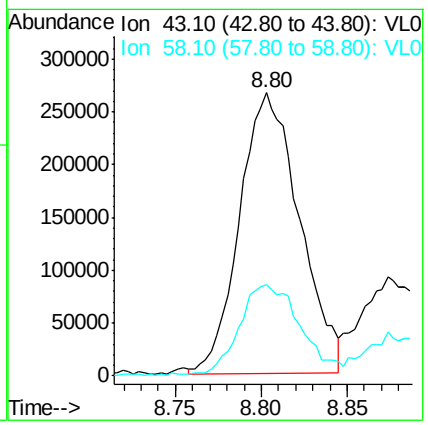
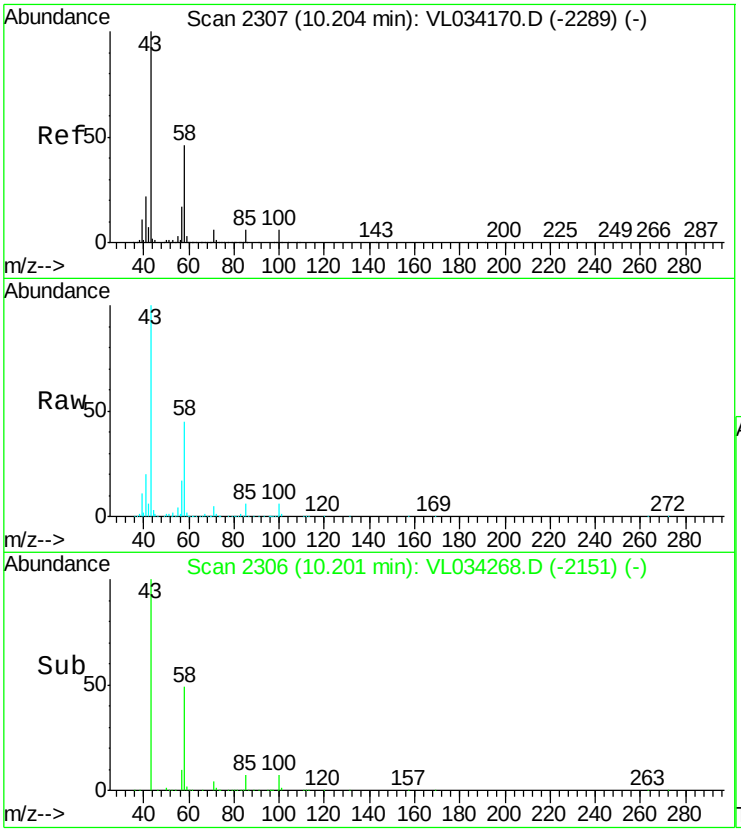


#50
4-Methyl-2-Pentanone
Concen: 2.339 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 43 Resp: 641351

Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.6	41.4





#51
2-Hexanone
Concen: 7.592 ppbv
RT: 10.20 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 43 Resp: 1747190

Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.2	54.4
98	0.2	0.2	0.2

Instrument :
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ClientSampleId :
SV1

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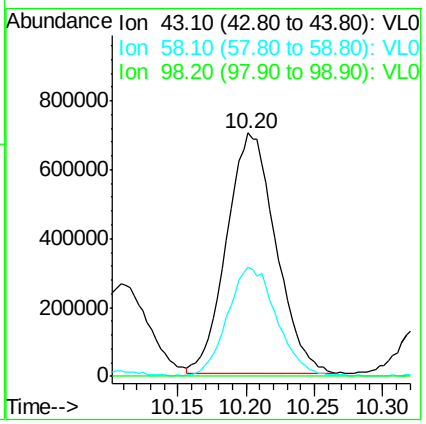
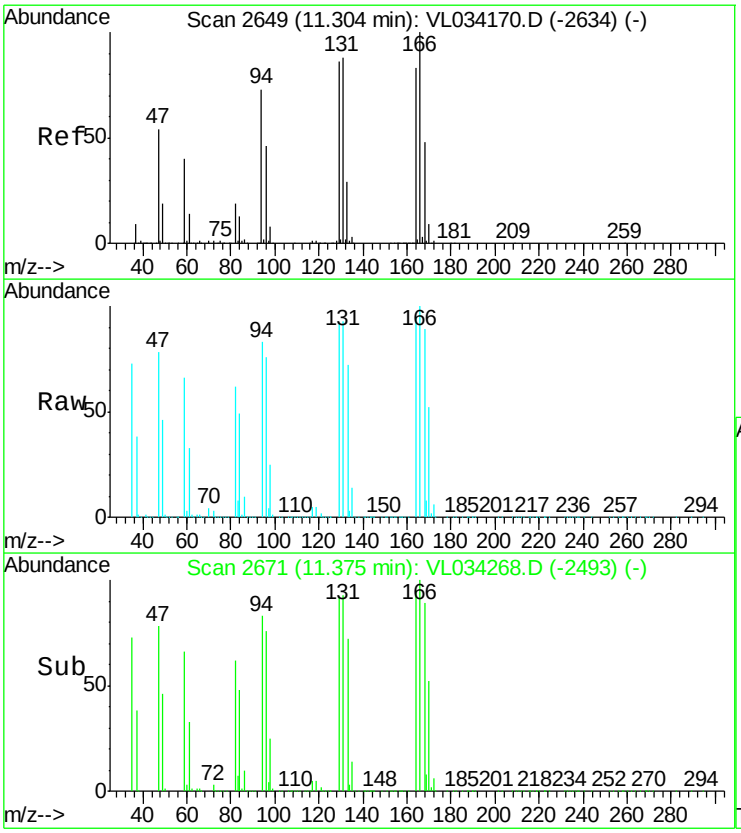
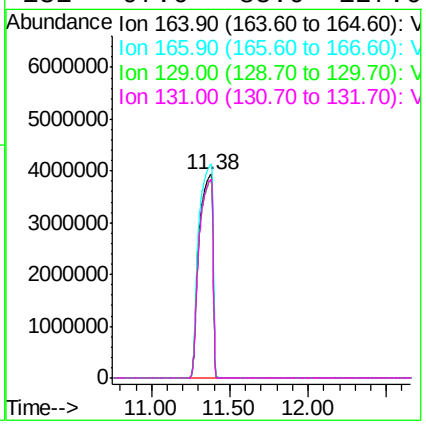


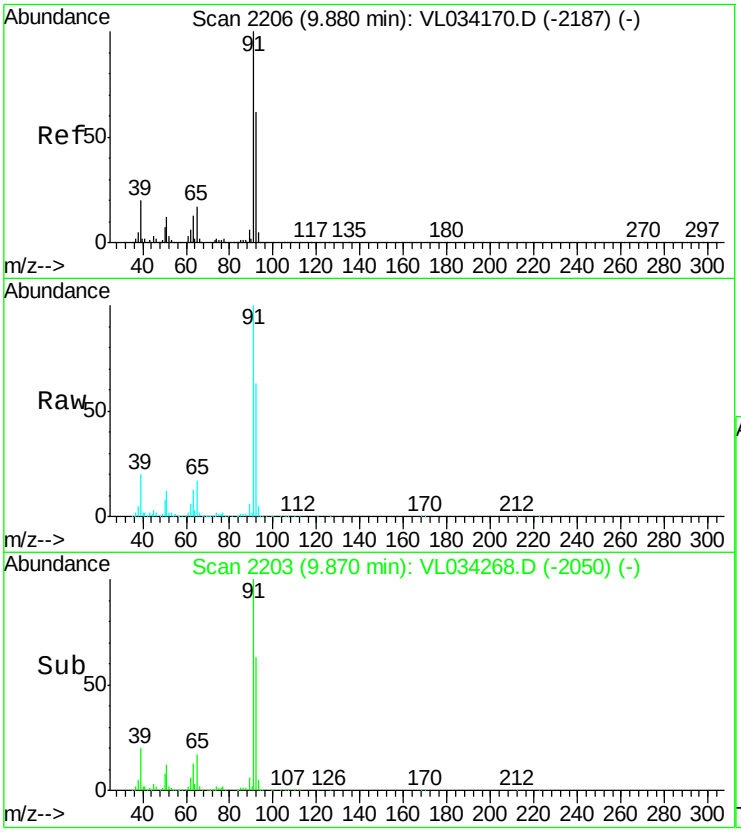


#52
Tetrachloroethene
Concen: 356.626 ppbv m
RT: 11.38 min Scan# 2671
Delta R.T. 0.07 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:164 Resp:24013995

Ion	Ratio	Lower	Upper
164	100		
166	105.1	96.7	145.1
129	97.2	82.8	124.2
131	97.6	85.0	127.6

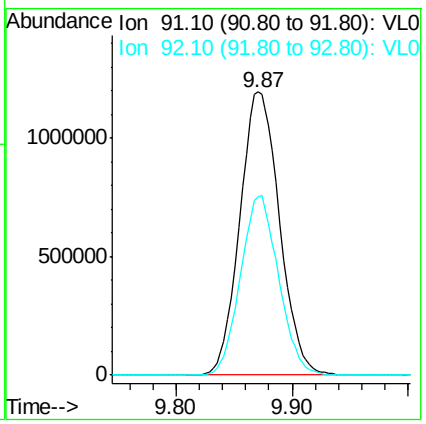




#53
Toluene
Concen: 12.732 ppbv
RT: 9.87 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 91 Resp: 2835968

Ion	Ratio	Lower	Upper
91	100		
92	61.0	49.0	73.6



Instrument :
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SV1

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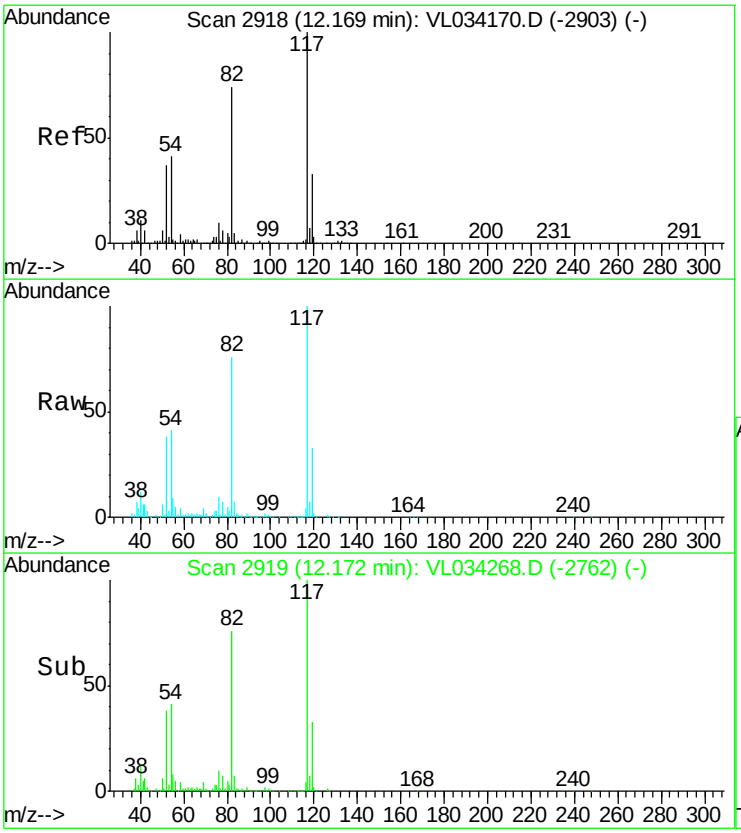
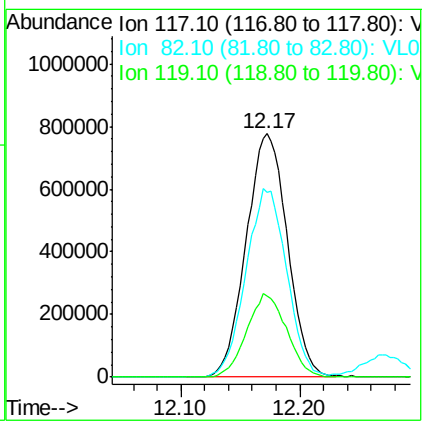
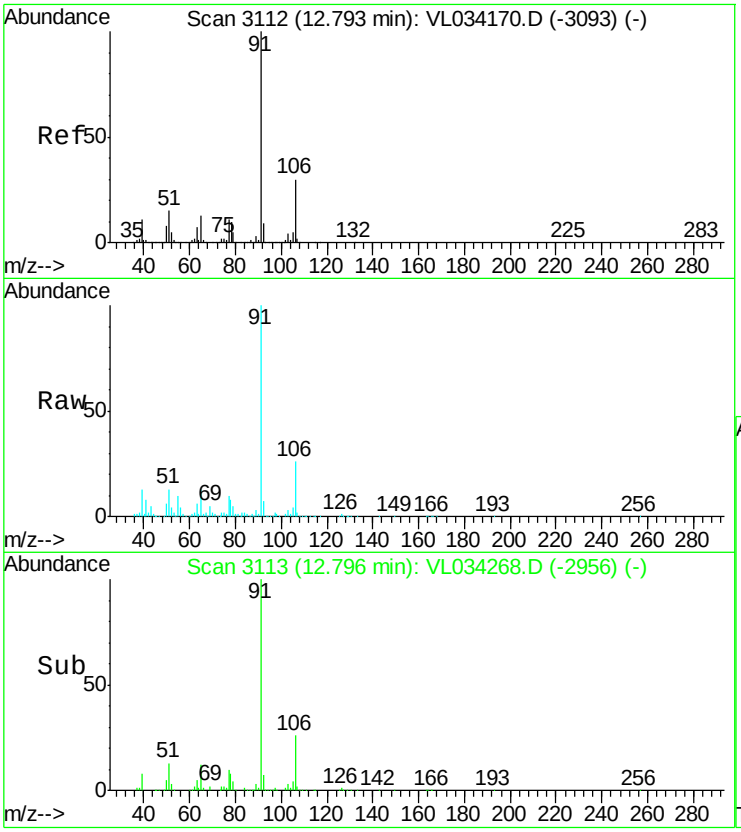


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:117 Resp: 1860239

Ion	Ratio	Lower	Upper
117	100		
82	76.9	58.2	87.4
119	33.3	23.7	35.5





#58
Ethyl Benzene
Concen: 3.835 ppbv
RT: 12.80 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 91 Resp: 1150978

Ion	Ratio	Lower	Upper
91	100		
106	26.4	24.2	36.4

Instrument :
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ClientSampleId :
SV1

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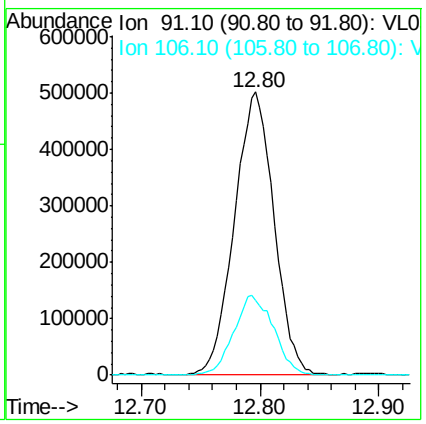
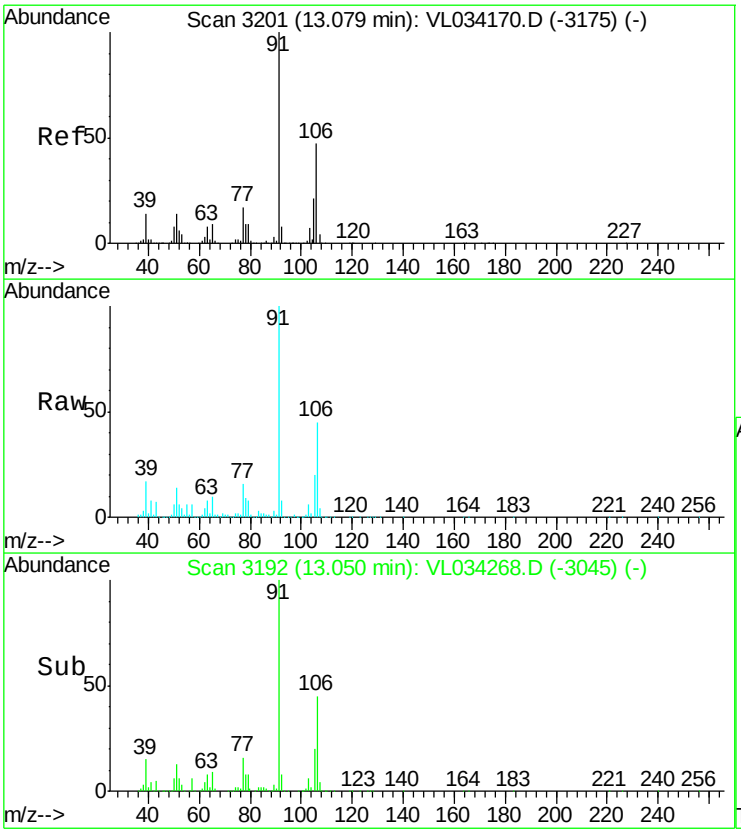
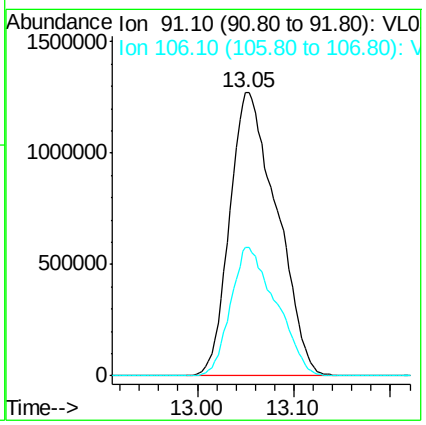


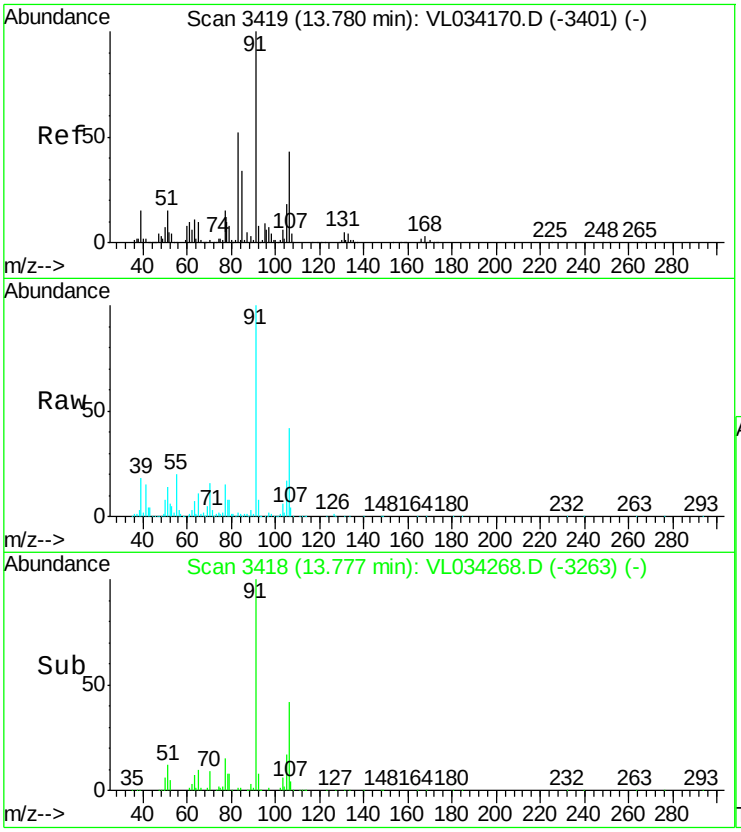


#59
m/p-Xylene
Concen: 17.261 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.03 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 91 Resp: 4291218

Ion	Ratio	Lower	Upper
91	100		
106	44.0	35.5	53.3

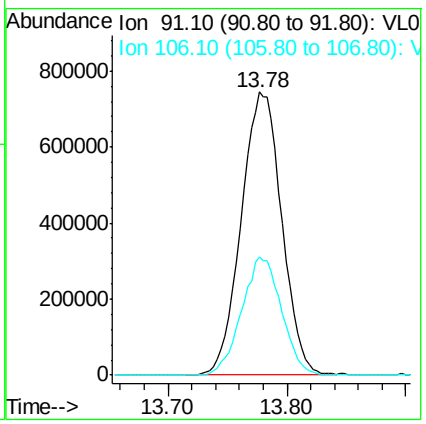




#60
o-Xylene
Concen: 7.015 ppbv
RT: 13.78 min Scan# 3418
Delta R.T. -0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 91 Resp: 1743766

Ion	Ratio	Lower	Upper
91	100		
106	41.1	21.2	63.6



Instrument :
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ClientSampleId :
SV1

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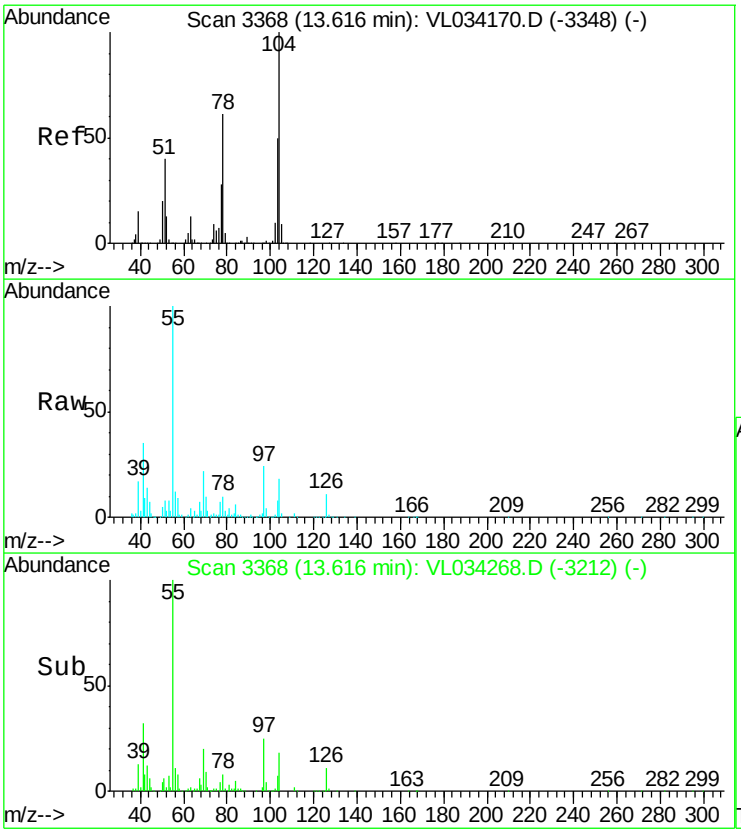
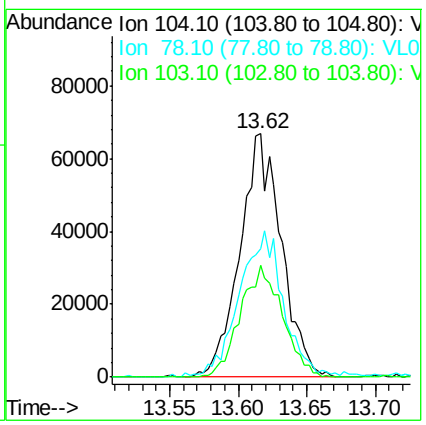
10/11/2019 5:08:10 PM

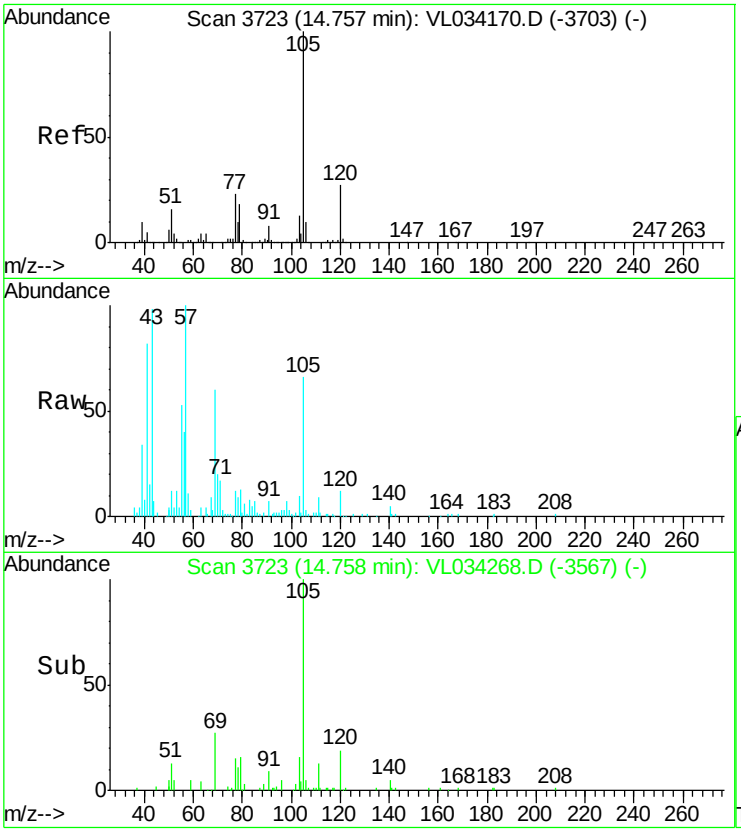


#61
Styrene
Concen: 0.787 ppbv m
RT: 13.62 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:104 Resp: 140130

Ion	Ratio	Lower	Upper
104	100		
78	65.8	49.7	74.5
103	0.0	38.4	57.6#





#62
Isopropylbenzene
Concen: 0.282 ppbv m
RT: 14.76 min Scan# 3723
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:105 Resp: 90658

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.7	31.1

Instrument :
MSVOA_L
ClientSampleId :
SV1

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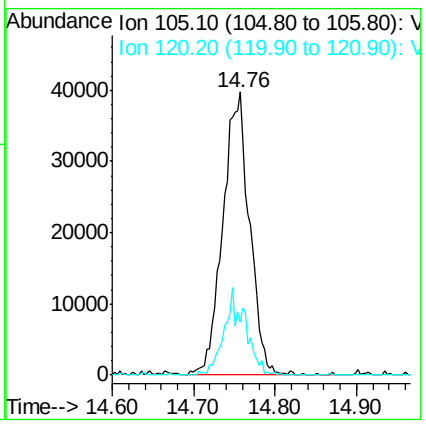
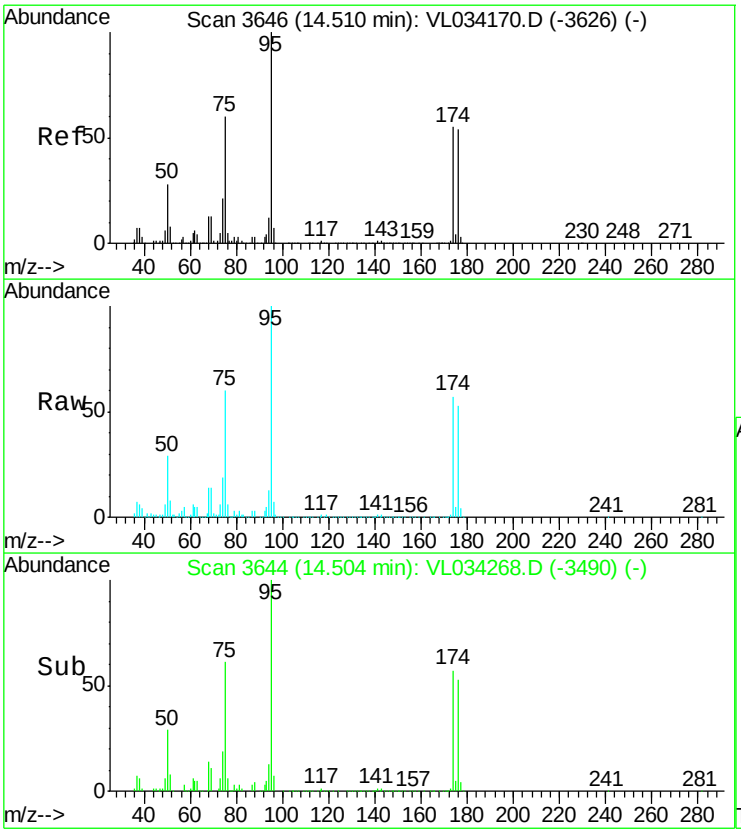
10/11/2019 5:08:10 PM

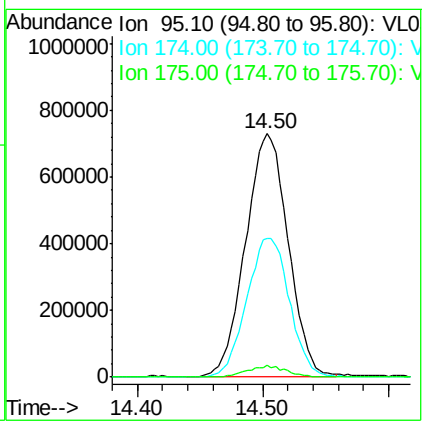


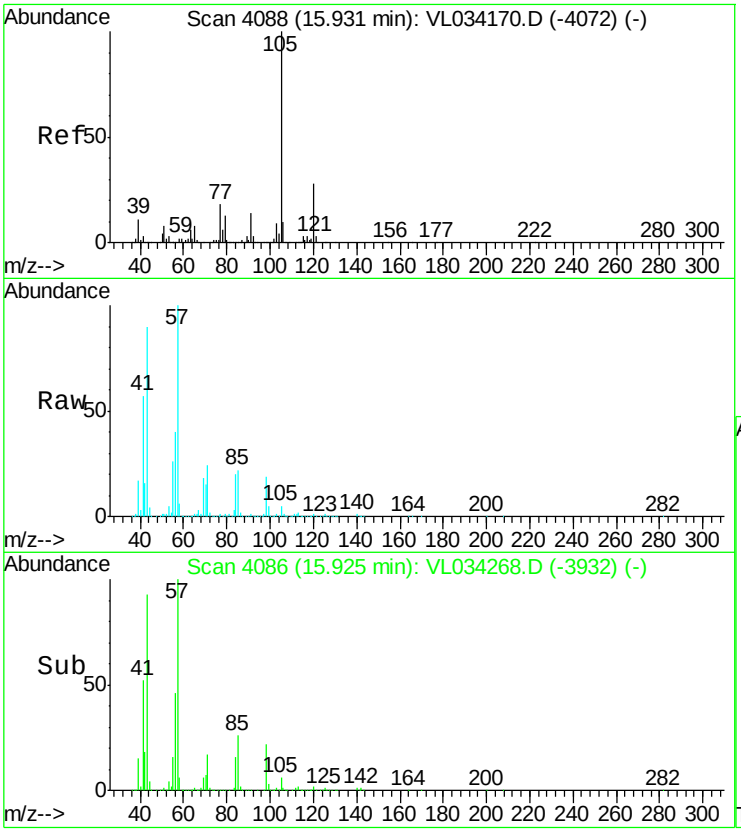


#68
1-Bromo-4-Fluorobenzene
Concen: 10.636 ppbv
RT: 14.50 min Scan# 3644
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion: 95 Resp: 1719251

Ion	Ratio	Lower	Upper
95	100		
174	57.3	45.1	67.7
175	4.3	3.3	4.9

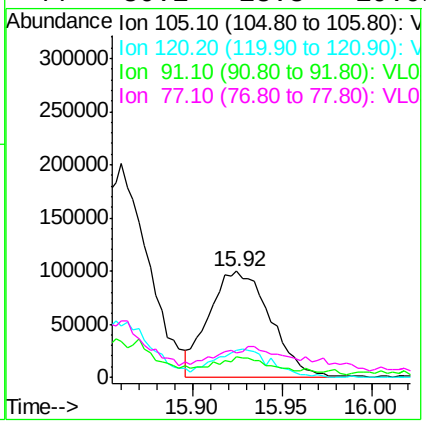




#72
4-Ethyltoluene
Concen: 0.847 ppbv m
RT: 15.92 min Scan# 4086
Delta R.T. -0.01 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:105 Resp: 237897

Ion	Ratio	Lower	Upper
105	100		
120	25.0	23.3	34.9
91	0.0	11.4	17.2#
77	30.1	13.3	19.9#



Instrument :
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ClientSampleId :
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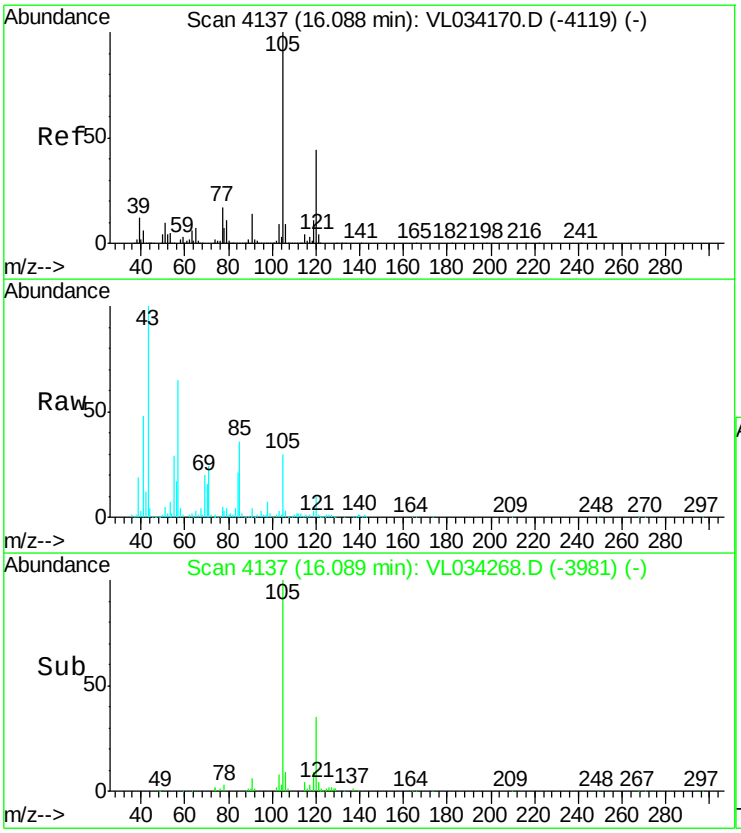
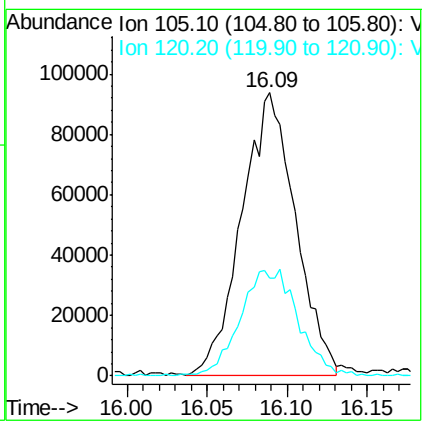
10/11/2019 5:08:10 PM

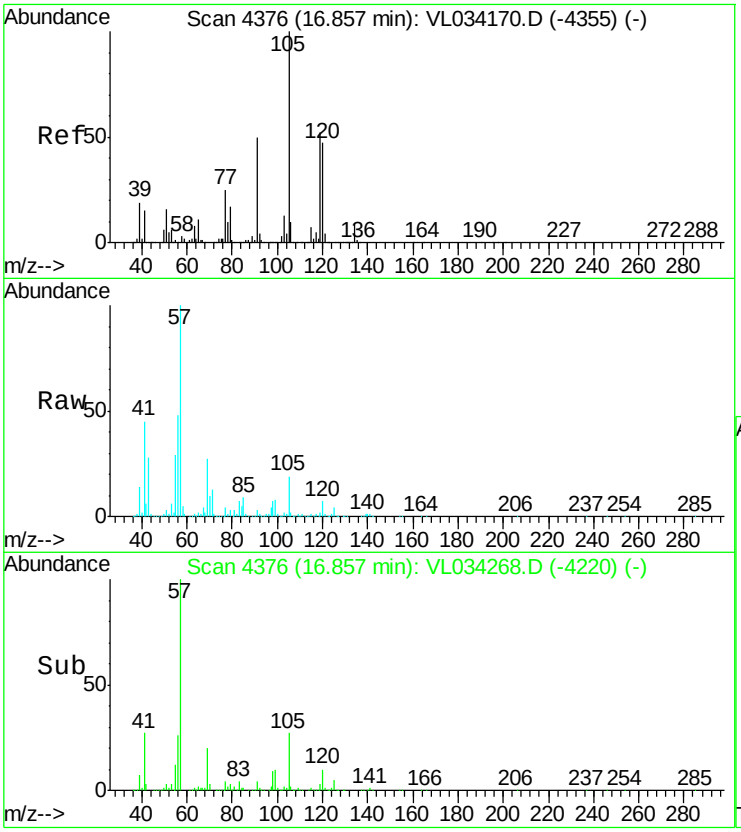


#73
1,3,5-Trimethylbenzene
Concen: 0.801 ppbv
RT: 16.09 min Scan# 4137
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:105 Resp: 217394

Ion	Ratio	Lower	Upper
105	100		
120	33.9	35.6	53.4#

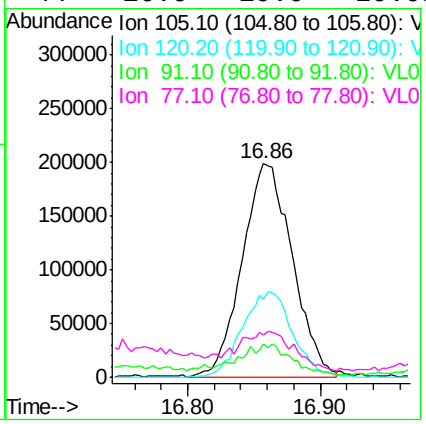




#74
1,2,4-Trimethylbenzene
Concen: 1.806 ppbv
RT: 16.86 min Scan# 4376
Delta R.T. 0.00 min
Lab File: VL034268.D
Acq: 9 Oct 2019 3:51

Tgt Ion:105 Resp: 520280

Ion	Ratio	Lower	Upper
105	100		
120	36.3	37.5	56.3#
91	14.4	41.1	61.7#
77	16.9	19.9	29.9#



Instrument :
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ClientSampleId :
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