Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\
Data File : VL034217.D
Acq On : 2 Oct 2019 19:11
Operator : SY/AP
Sample : K5106-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 21:27:04 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

Instrument : MSVOA_L
ClientSampleId : SV-4DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	894792	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	1695568	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.16	117	1708456	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1470736	9.91	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
9) Propene	2.99	41	730022	14.103	ppbv		92
10) Heptane	8.17	43	373134	2.766	ppbv		99
13) Ethanol	3.61	45	36188	2.887	ppbv		88
15) Acetone	3.85	43	1200188	10.008	ppbv		95
17) tert-Butyl alcohol	4.31	59	109487	1.441	ppbv		98
26) Hexane	5.72	57	72563	0.769	ppbv	#	42
27) Carbon Disulfide	4.56	76	41227	0.474	ppbv	#	58
29) Chloroform	5.78	83	264422	1.962	ppbv		97
30) Cyclohexane	7.18	84	21087m	0.310	ppbv		
34) 2-Butanone	5.27	43	323127	1.866	ppbv		97
36) Benzene	6.93	78	105449	0.563	ppbv	#	89
44) 2,2,4-Trimethylpentane	7.91	57	130044m	0.361	ppbv		
52) Tetrachloroethene	11.29	164	147433	2.383	ppbv		92
53) Toluene	9.86	91	303600	1.483	ppbv		100
59) m/p-Xylene	13.03	91	88005m	0.385	ppbv		

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

Quantitation Report (QT Reviewed)

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Data File : VL034217.D
Acq On : 2 Oct 2019 19:11
Operator : SY/AP
Sample : K5106-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 21:27:04 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 :
SV-4DL

Manual Integrations APPROVED
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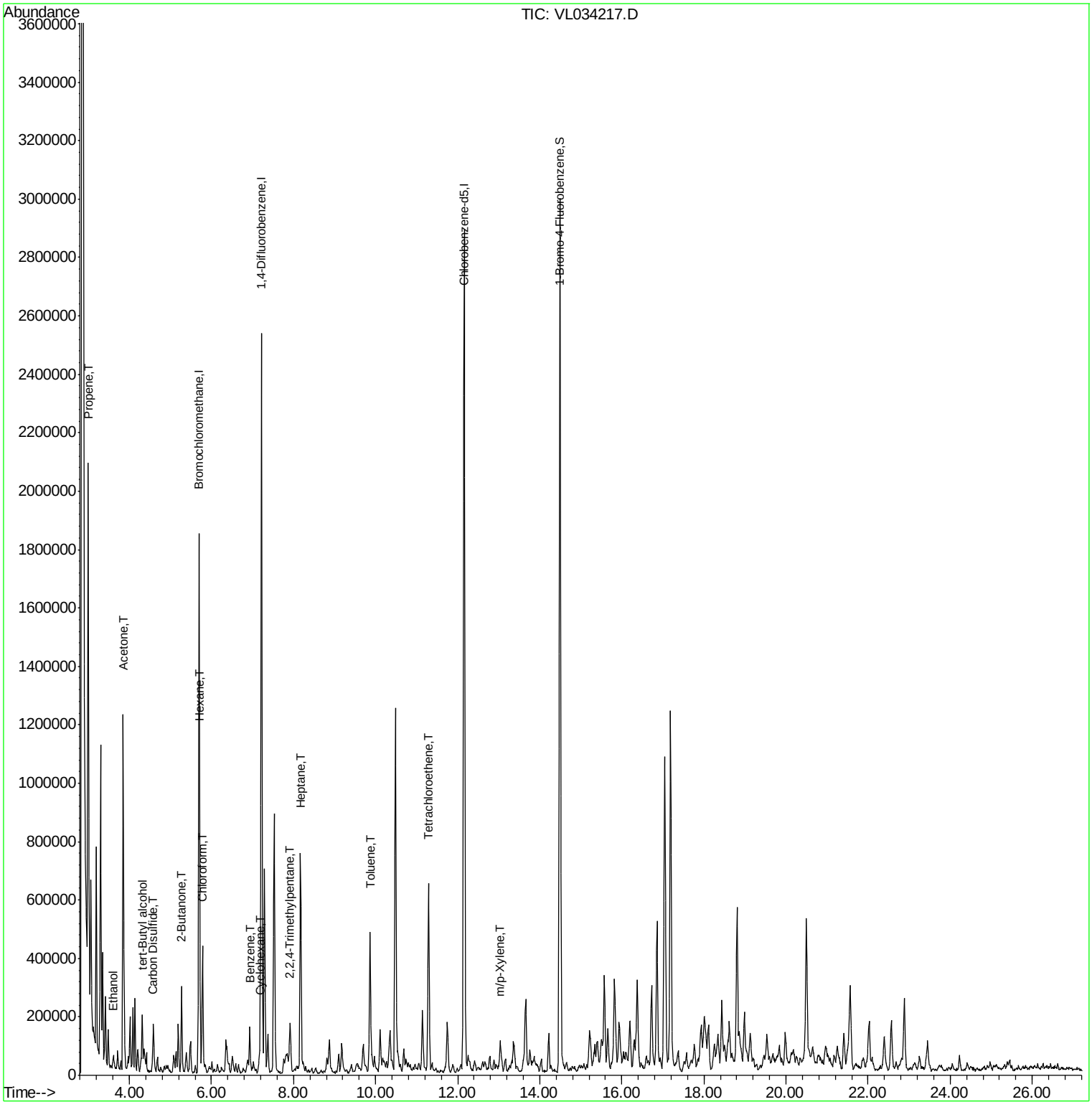
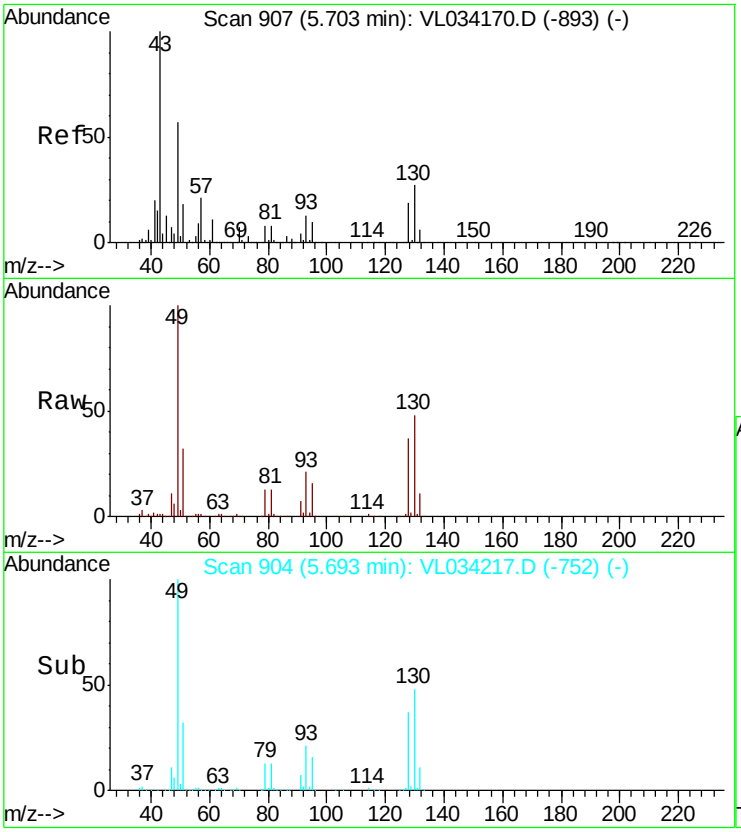
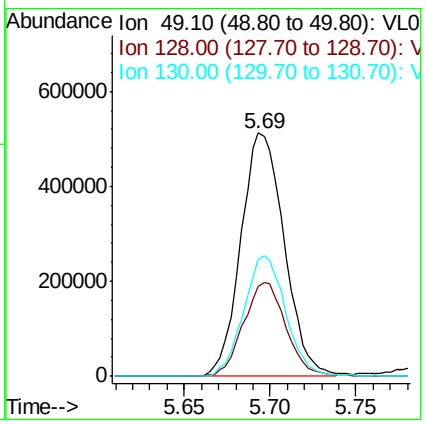




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 49 Resp: 894792

Ion	Ratio	Lower	Upper
49	100		
128	38.1	17.6	52.9
130	48.6	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

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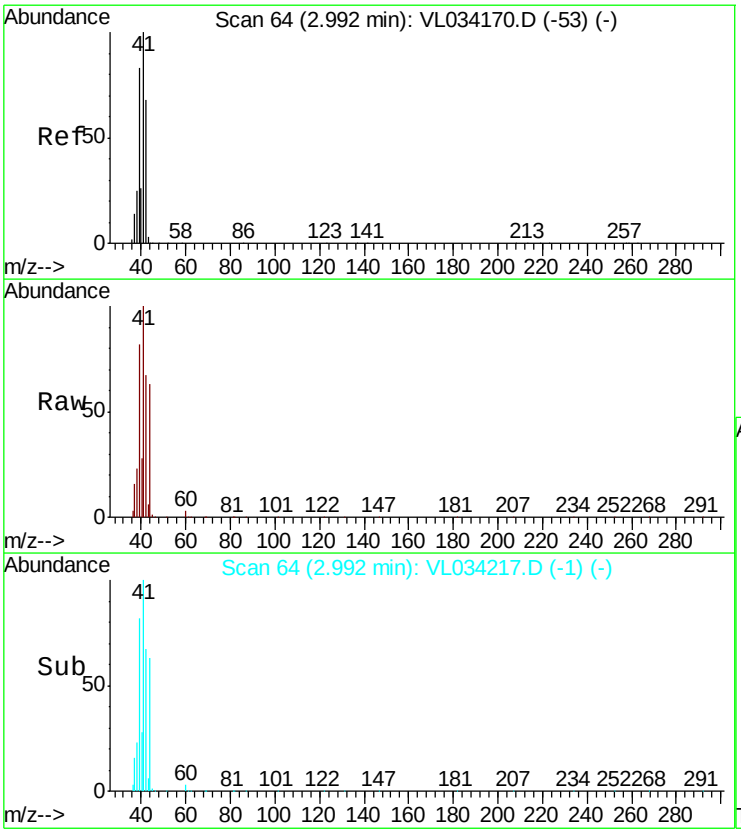
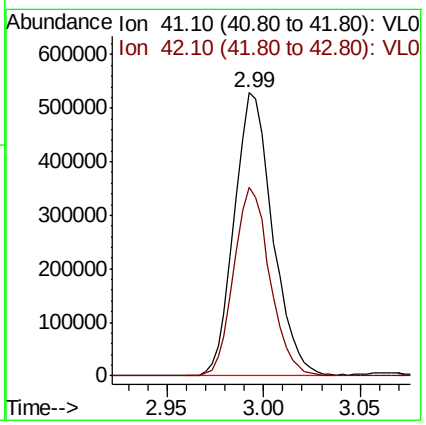
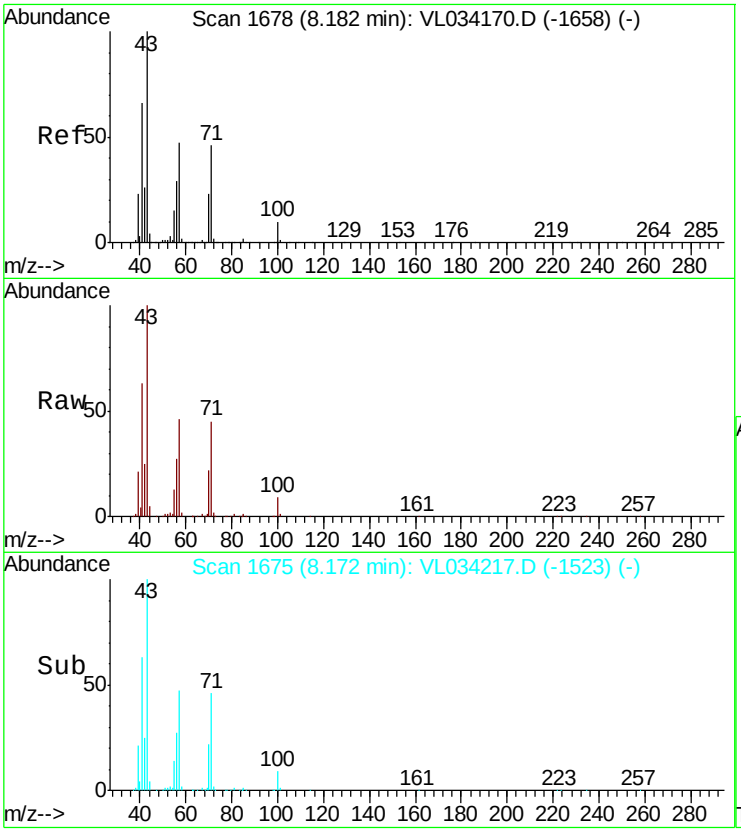


#9
Propene
Concen: 14.103 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.00 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 41 Resp: 730022

Ion	Ratio	Lower	Upper
41	100		
42	62.8	55.8	83.6

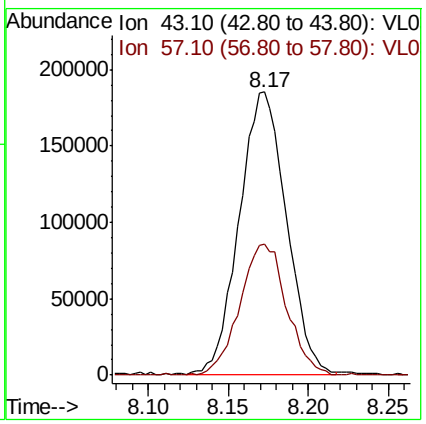




#10
Heptane
Concen: 2.766 ppbv
RT: 8.17 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 43 Resp: 373134

Ion	Ratio	Lower	Upper
43	100		
57	46.6	37.5	56.3



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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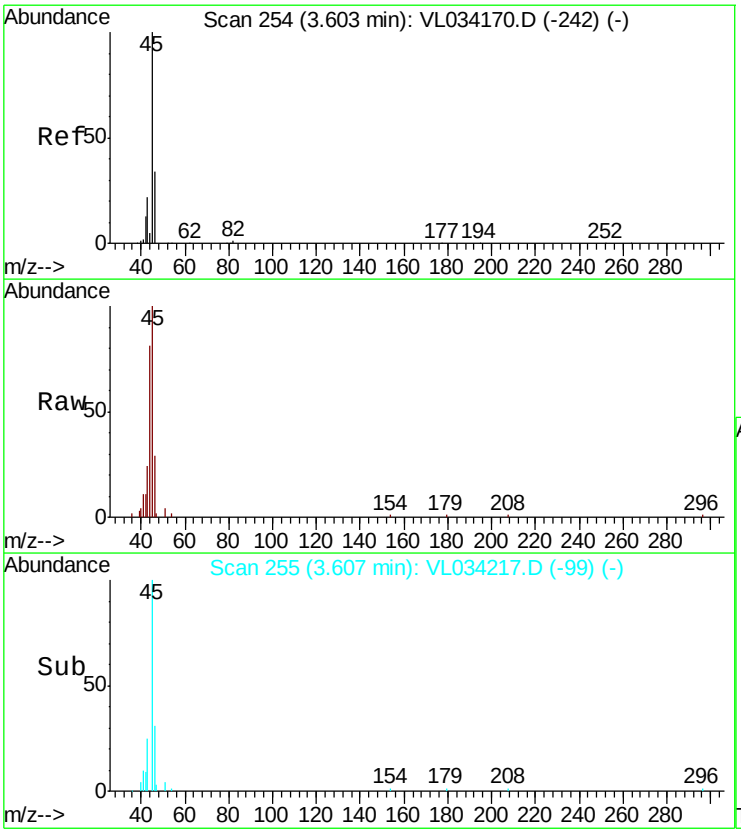
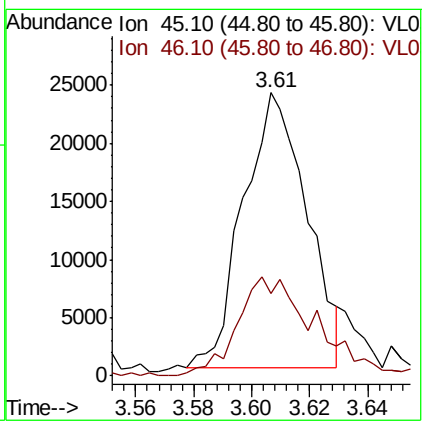
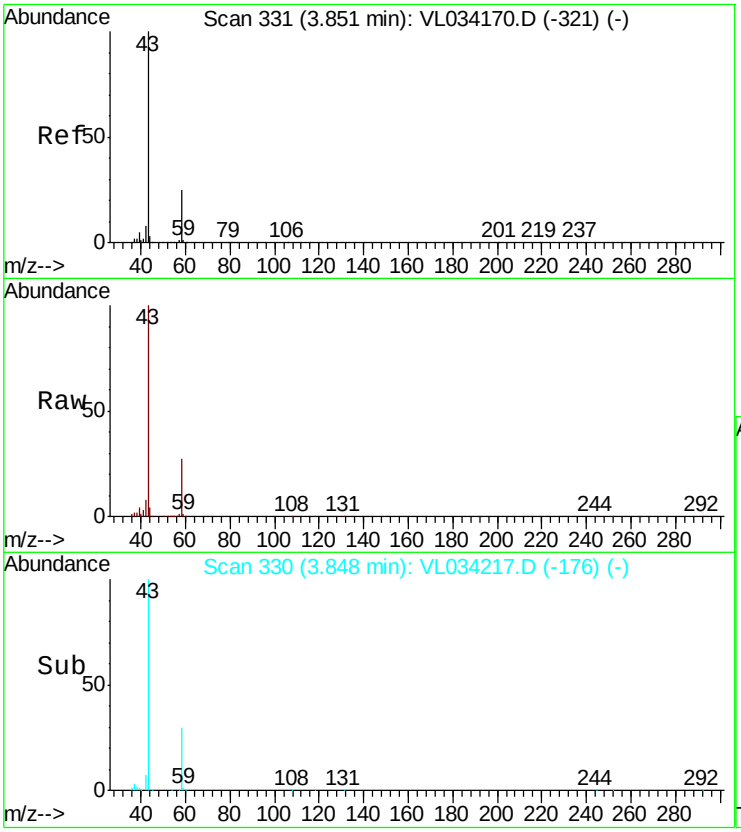


#13
Ethanol
Concen: 2.887 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 45 Resp: 36188

Ion	Ratio	Lower	Upper
45	100		
46	45.8	15.5	61.9

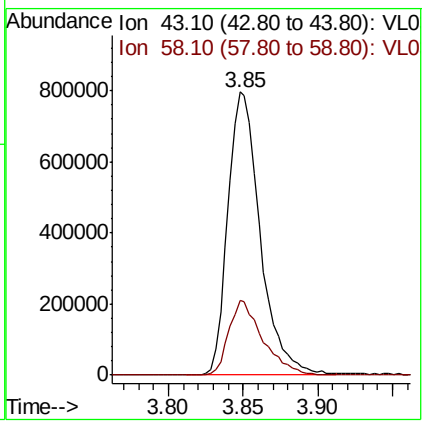




#15
Acetone
Concen: 10.008 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 43 Resp: 1200188

Ion	Ratio	Lower	Upper
43	100		
58	28.1	20.5	30.7



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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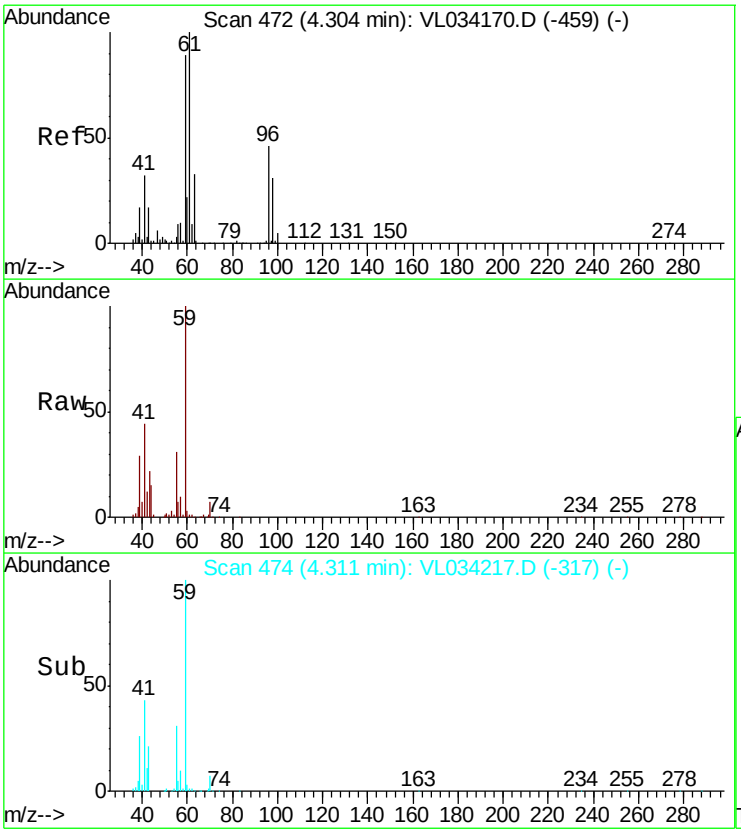
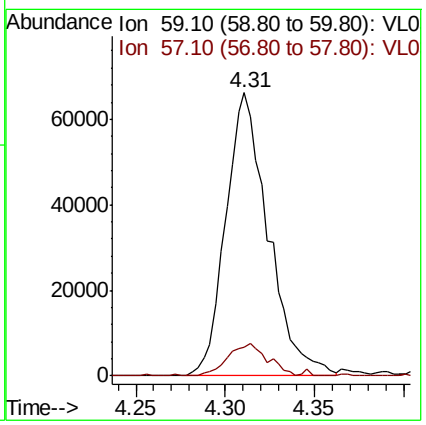
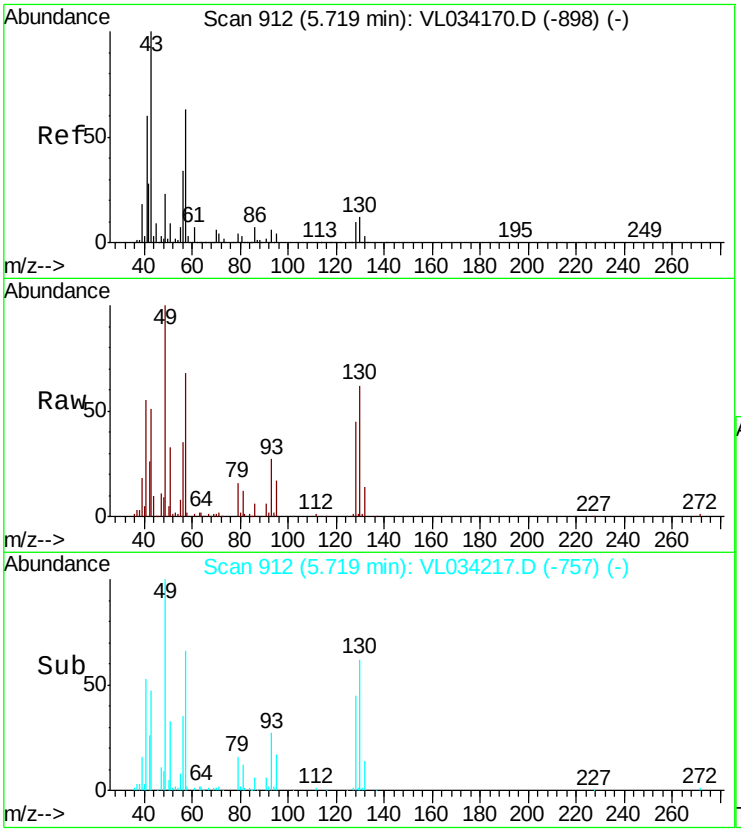


#17
tert-Butyl alcohol
Concen: 1.441 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 59 Resp: 109487

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.7	13.1

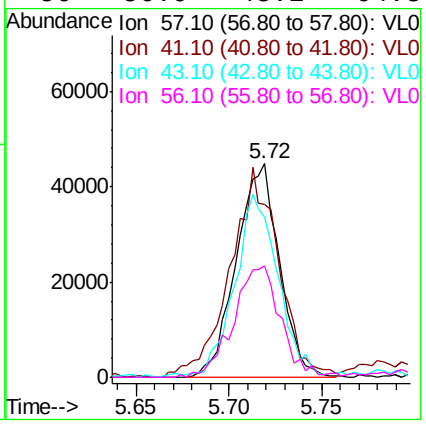




#26
Hexane
Concen: 0.769 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 57 Resp: 72563

Ion	Ratio	Lower	Upper
57	100		
41	110.3	78.5	117.7
43	85.6	189.5	284.3#
56	56.9	43.2	64.8



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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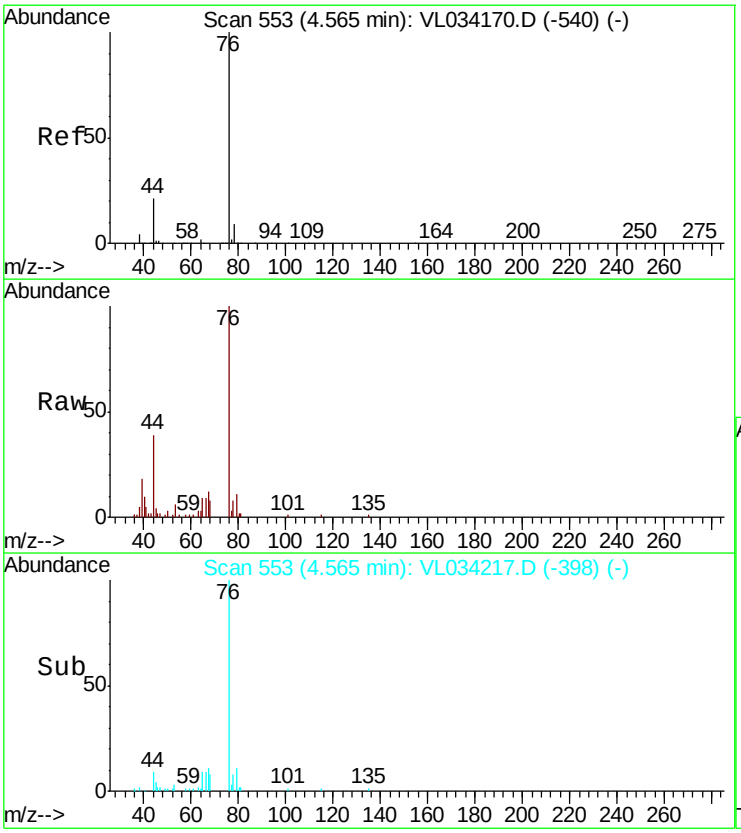
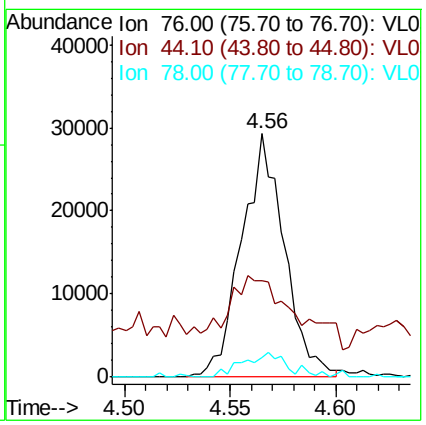
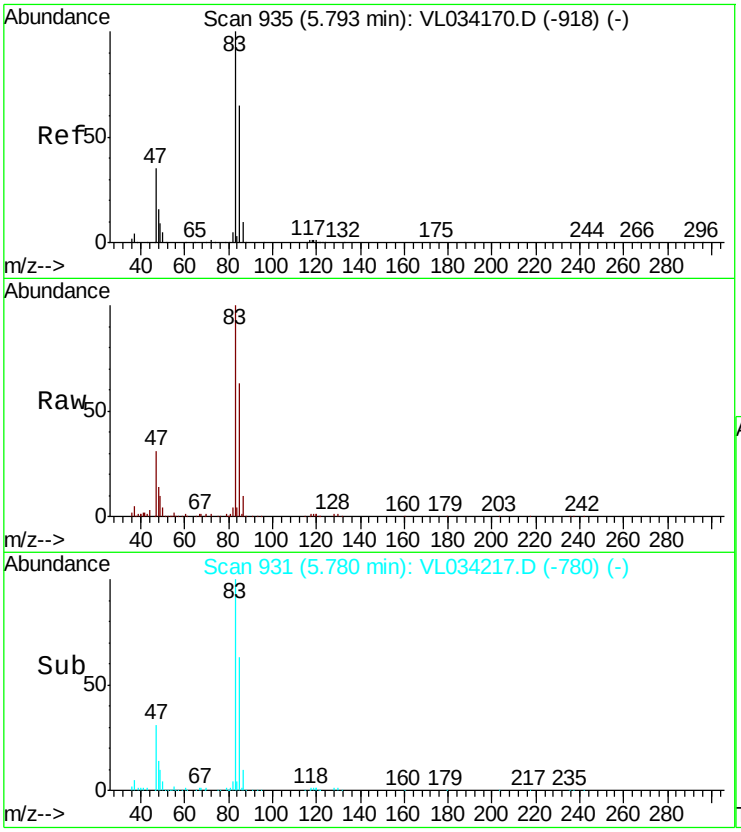


#27
Carbon Disulfide
Concen: 0.474 ppbv
RT: 4.56 min Scan# 553
Delta R.T. -0.00 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 76 Resp: 41227

Ion	Ratio	Lower	Upper
76	100		
44	49.1	17.6	26.4#
78	11.7	7.6	11.4#

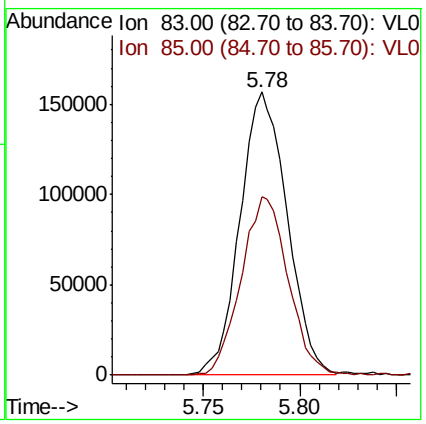




#29
Chloroform
Concen: 1.962 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 83 Resp: 264422

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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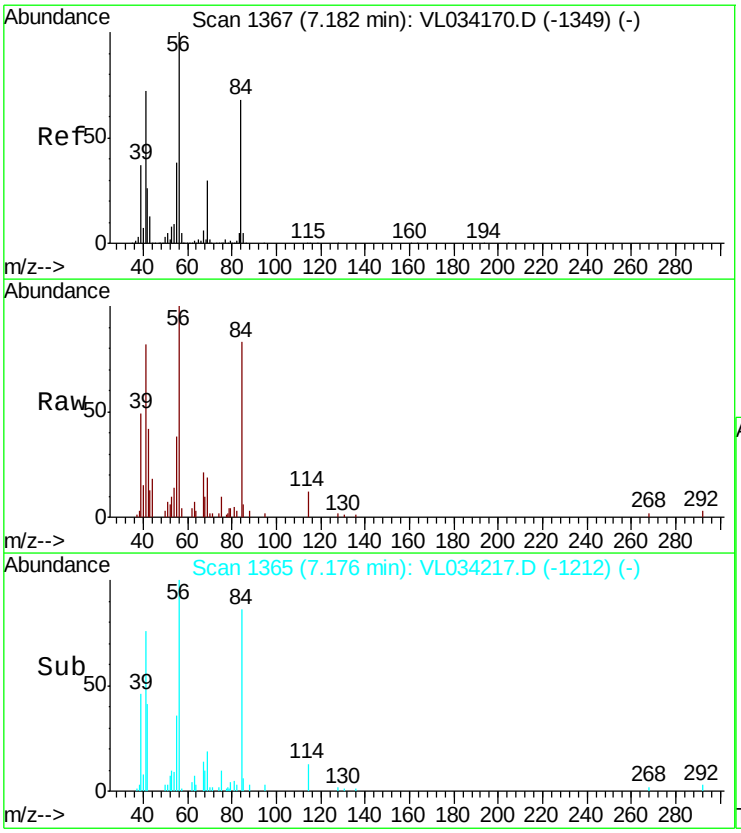
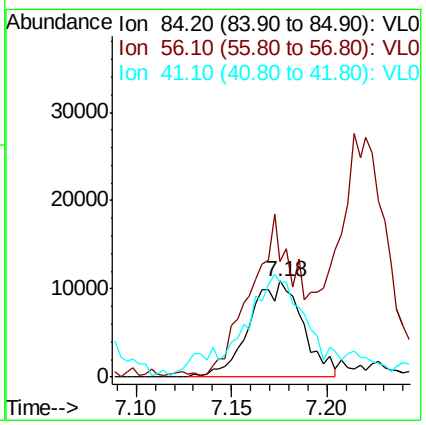
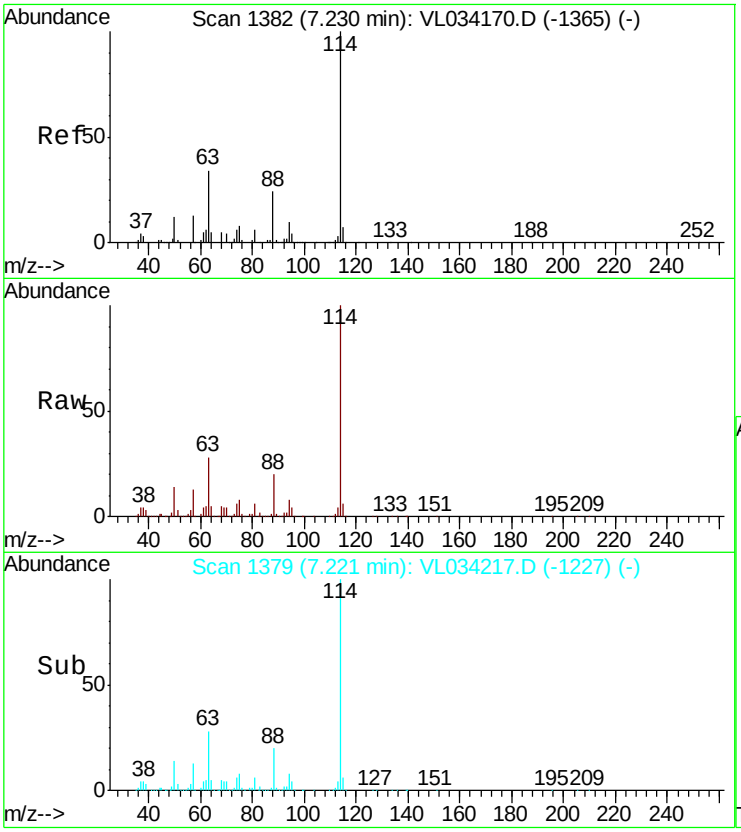


#30
Cyclohexane
Concen: 0.310 ppbv m
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 84 Resp: 21087

Ion	Ratio	Lower	Upper
84	100		
56	144.8	126.2	189.2
41	124.4	85.8	128.8

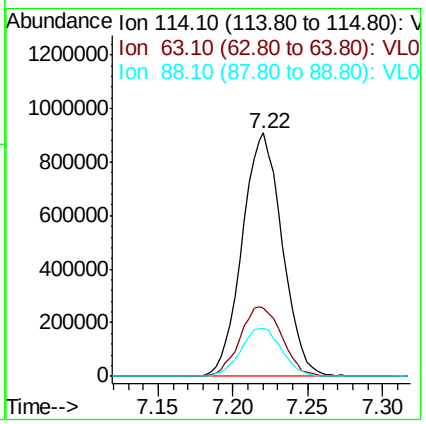




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion:114 Resp: 1695568

Ion	Ratio	Lower	Upper
114	100		
63	30.1	27.8	41.6
88	20.2	17.1	25.7



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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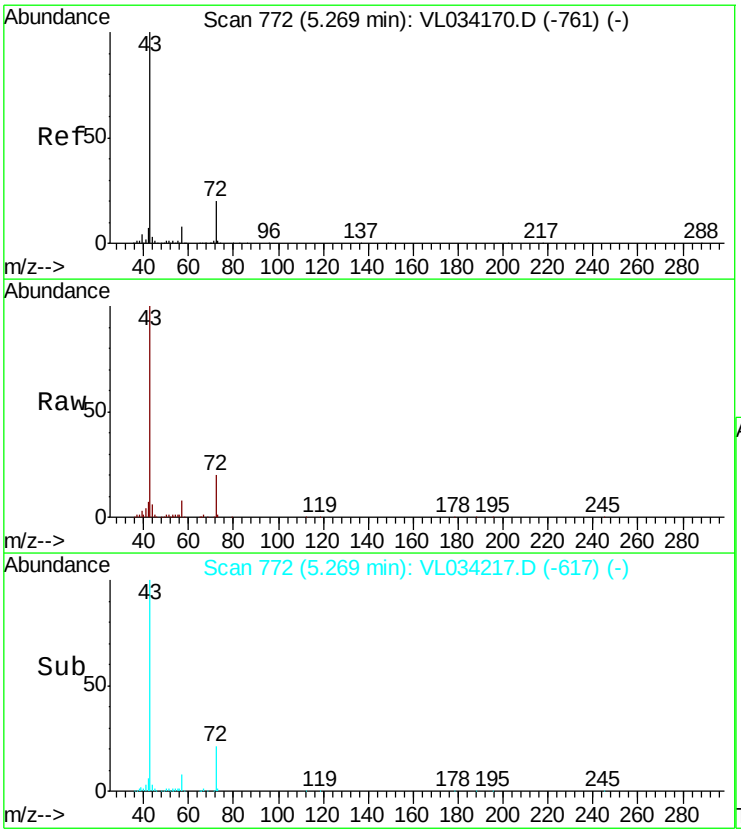
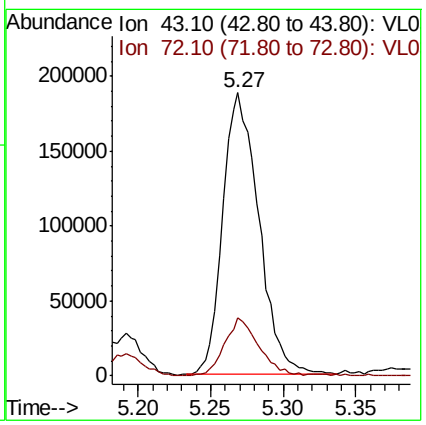
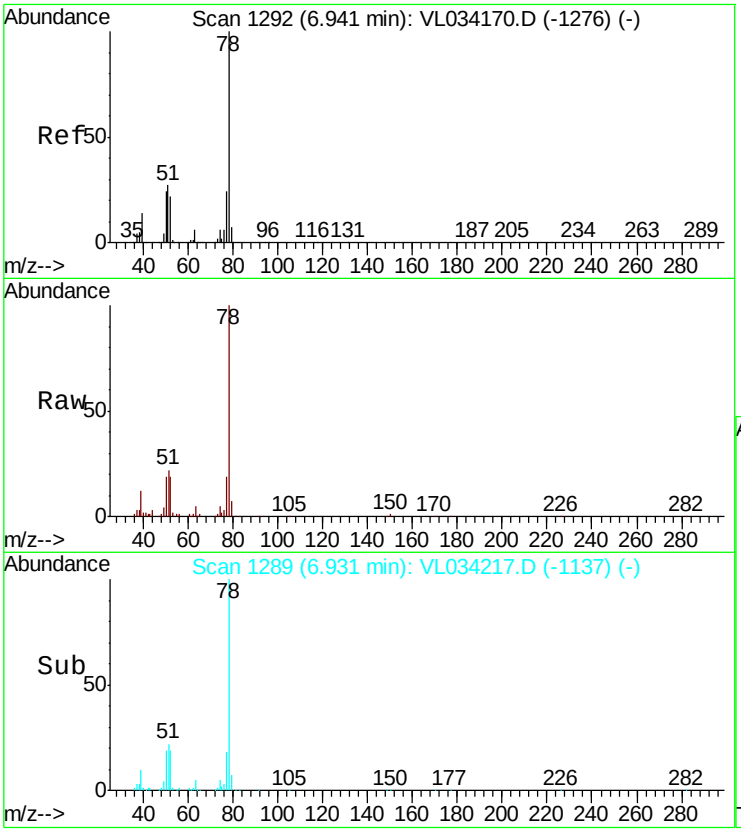


#34
2-Butanone
Concen: 1.866 ppbv
RT: 5.27 min Scan# 772
Delta R.T. -0.00 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 43 Resp: 323127

Ion	Ratio	Lower	Upper
43	100		
72	19.9	15.0	22.6

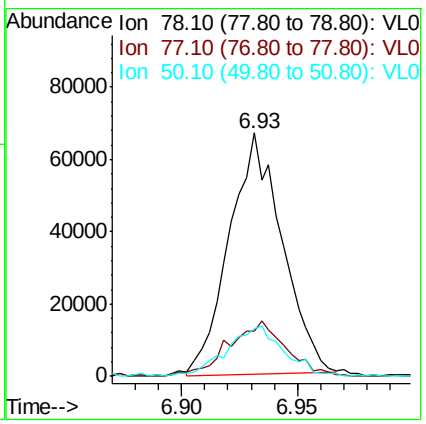




#36
Benzene
Concen: 0.563 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 78 Resp: 105449

Ion	Ratio	Lower	Upper
78	100		
77	18.2	19.0	28.4#
50	18.4	18.9	28.3#



Instrument :
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ClientSampleId :
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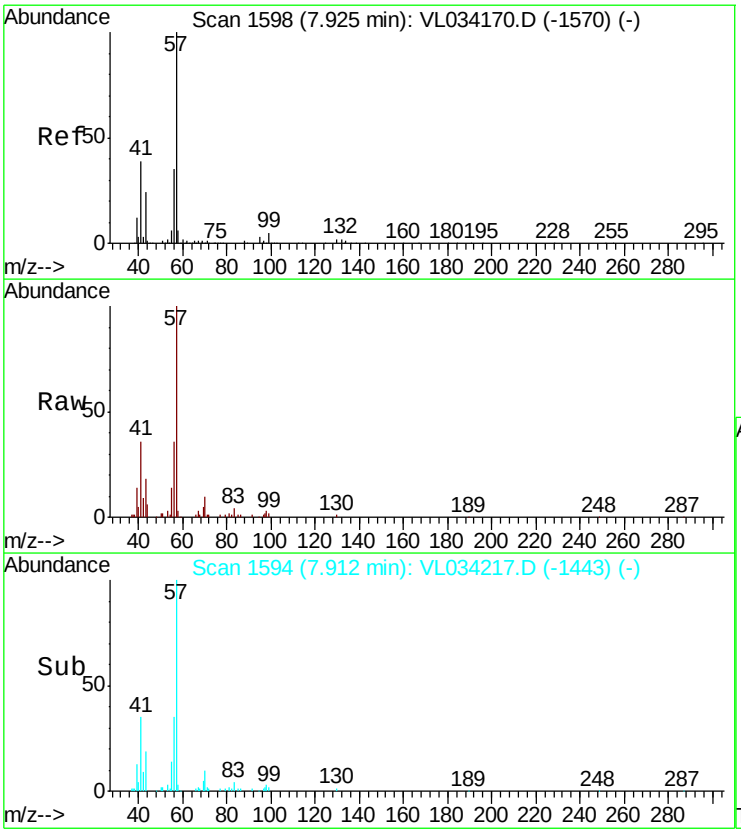
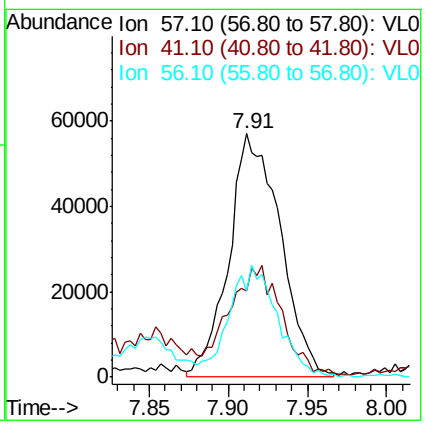
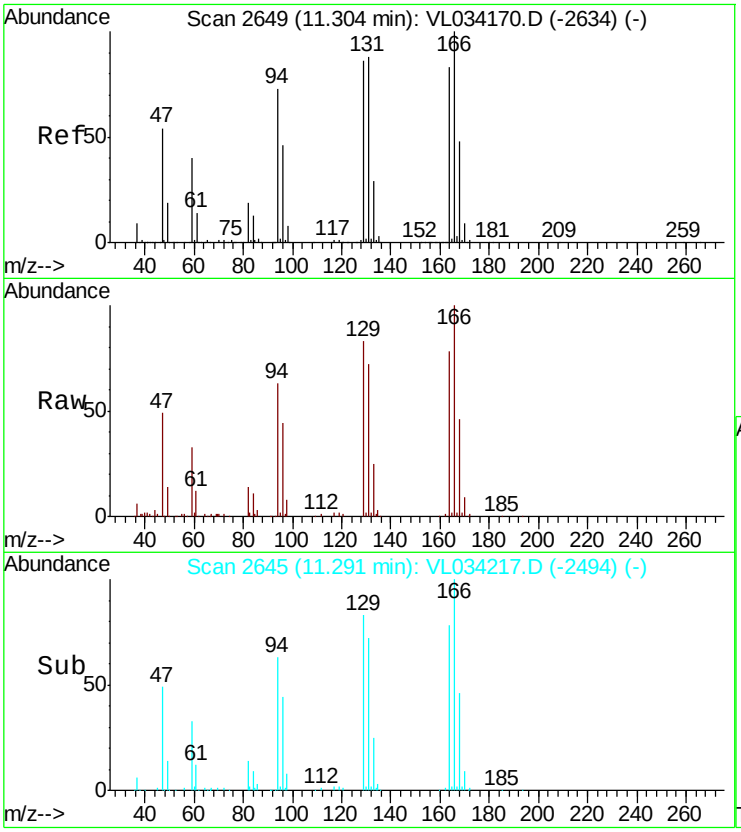


#44
2,2,4-Trimethylpentane
Concen: 0.361 ppbv m
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 57 Resp: 130044

Ion	Ratio	Lower	Upper
57	100		
41	0.0	29.8	44.6#
56	43.7	25.9	38.9#

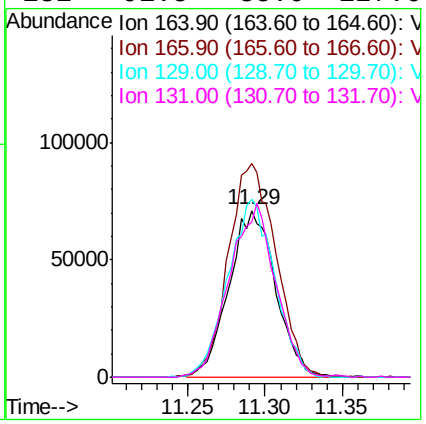




#52
Tetrachloroethene
Concen: 2.383 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion:164 Resp: 147433

Ion	Ratio	Lower	Upper
164	100		
166	127.7	96.7	145.1
129	106.5	82.8	124.2
131	91.5	85.0	127.6



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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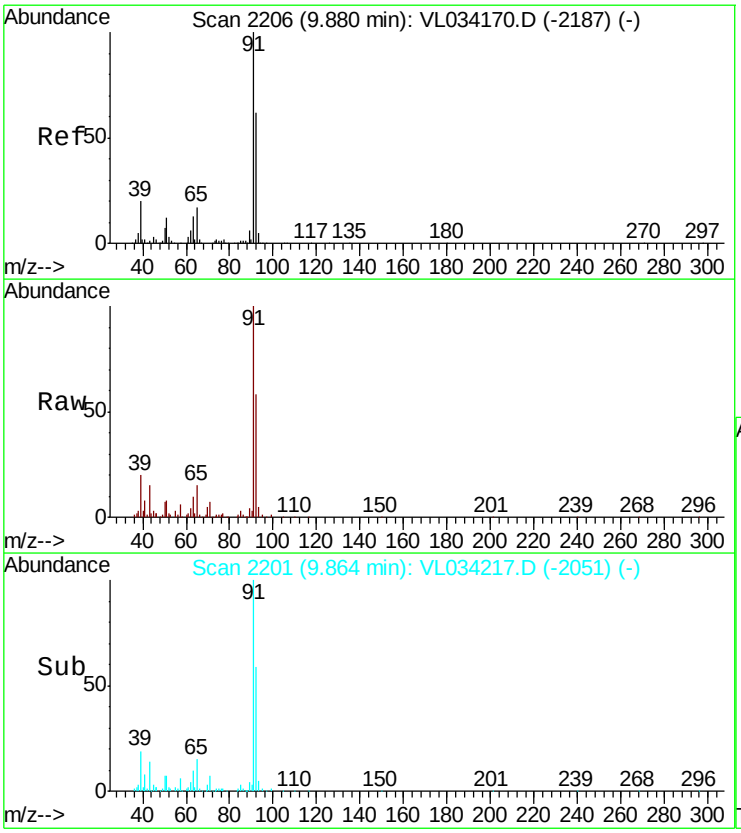
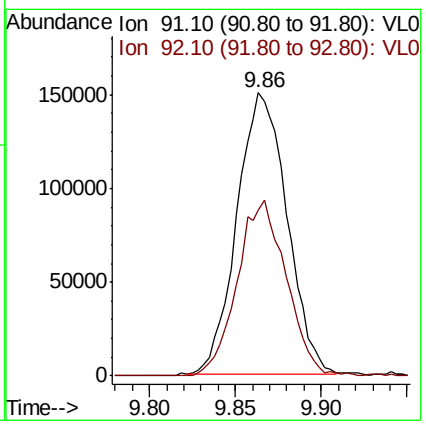
10/7/2019 12:30:19 PM

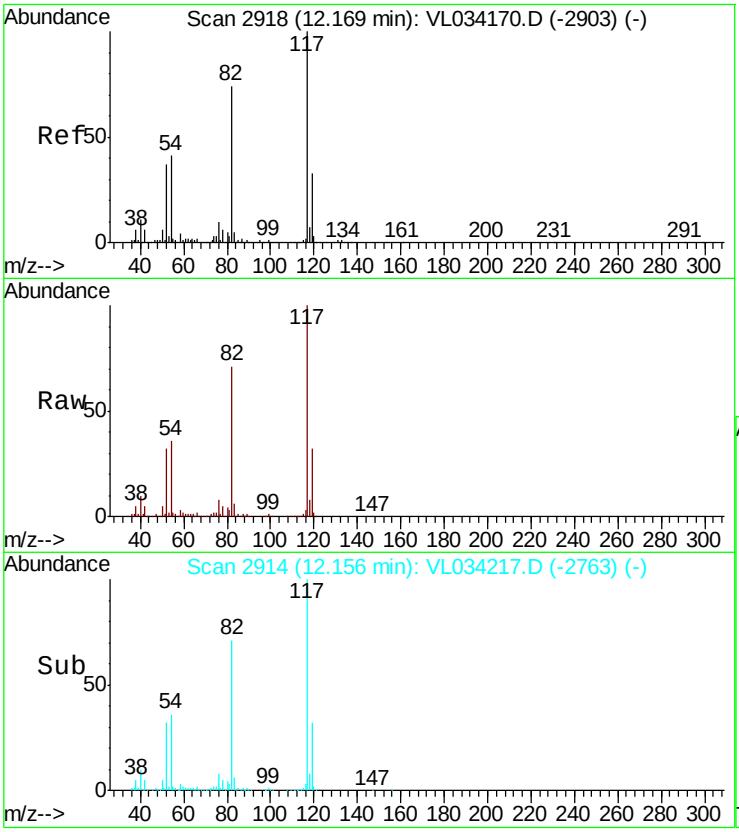


#53
Toluene
Concen: 1.483 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 91 Resp: 303600

Ion	Ratio	Lower	Upper
91	100		
92	61.4	49.0	73.6

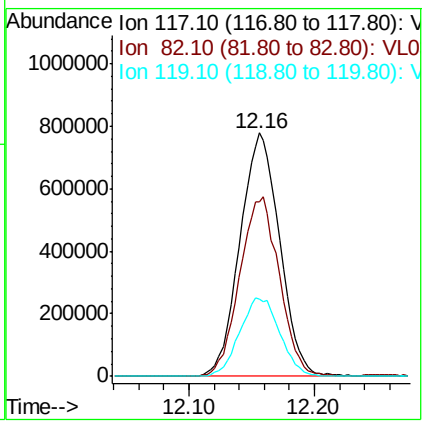




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion:117 Resp: 1708456

Ion	Ratio	Lower	Upper
117	100		
82	74.0	58.2	87.4
119	33.0	23.7	35.5



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
MMDadoda
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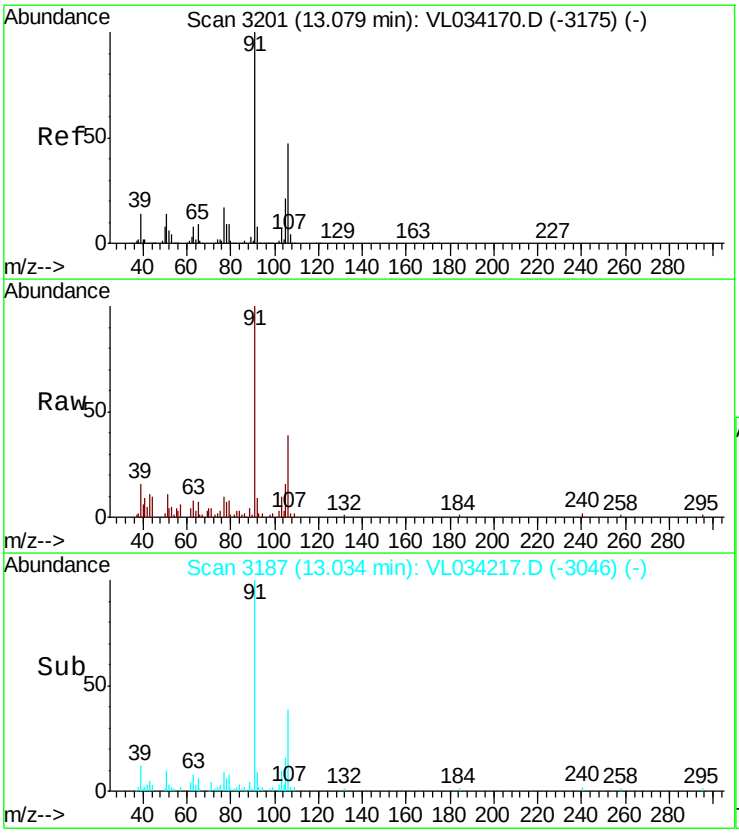
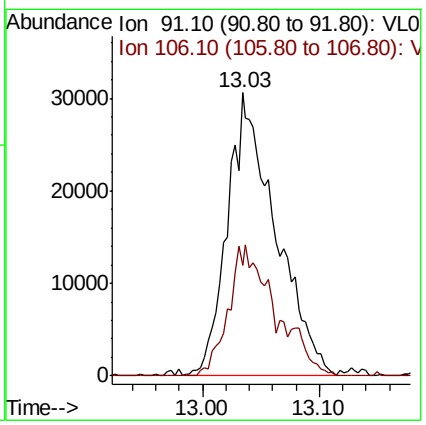
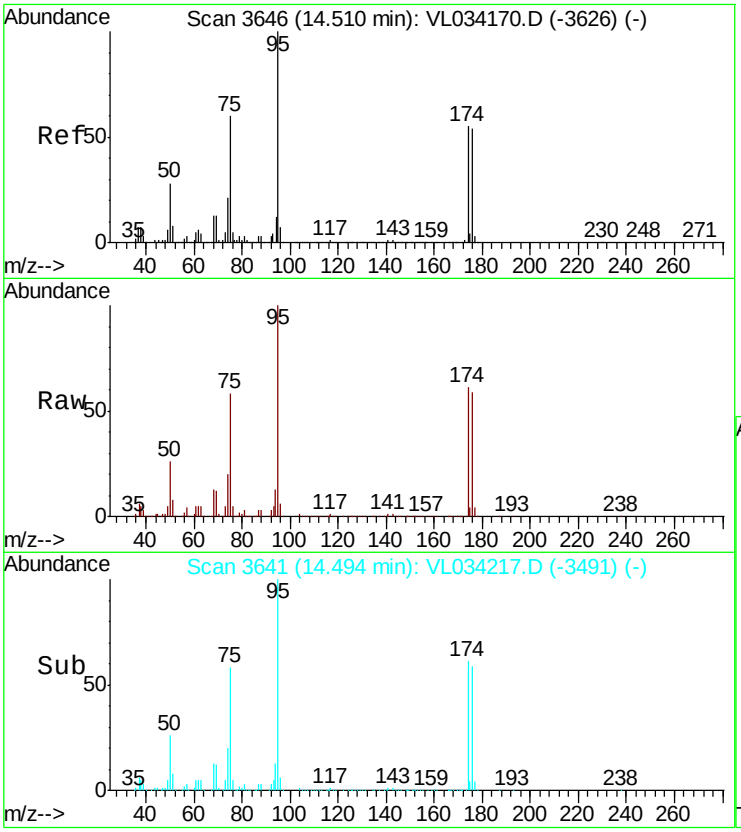


#59
m/p-Xylene
Concen: 0.385 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.05 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 91 Resp: 88005

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

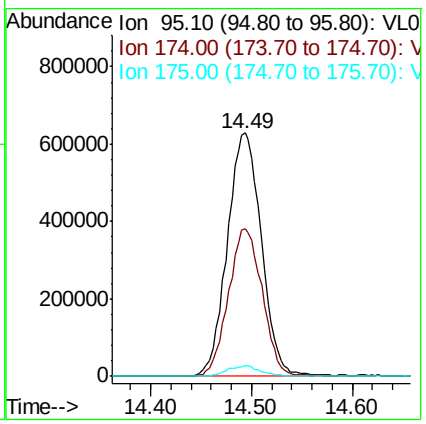




#68
1-Bromo-4-Fluorobenzene
Concen: 9.907 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. -0.02 min
Lab File: VL034217.D
Acq: 2 Oct 2019 19:11

Tgt Ion: 95 Resp: 1470736

Ion	Ratio	Lower	Upper
95	100		
174	60.9	45.1	67.7
175	4.2	3.3	4.9



Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Manual Integrations APPROVED
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10/7/2019 12:30:19 PM