Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034269.D
Acq On : 9 Oct 2019 4:29
Operator : SY/AP
Sample : K5243-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 06:48:29 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 : SV1DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1083427	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.21	114	2062934	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.15	117	2032856	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1756281	9.94	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	100682	0.629	ppbv		90
9) Propene	2.99	41	67519	1.077	ppbv		87
10) Heptane	8.17	43	196650m	1.204	ppbv		
13) Ethanol	3.59	45	39168m	2.581	ppbv		
15) Acetone	3.84	43	4525211	31.163	ppbv	#	87
17) tert-Butyl alcohol	4.30	59	69319	0.753	ppbv		97
19) Isopropyl Alcohol	3.97	45	3911845	43.809	ppbv	#	3
26) Hexane	5.71	57	363645	3.184	ppbv	#	40
27) Carbon Disulfide	4.56	76	9006m	0.085	ppbv		
29) Chloroform	5.77	83	31146	0.191	ppbv	#	75
30) Cyclohexane	7.17	84	12821	0.155	ppbv	#	19
34) 2-Butanone	5.26	43	471861	2.240	ppbv		96
36) Benzene	6.92	78	38377	0.168	ppbv		96
38) Trichloroethene	7.88	130	1033854	12.700	ppbv		99
50) 4-Methyl-2-Pentanone	8.80	43	51056	0.167	ppbv		95
51) 2-Hexanone	10.19	43	147763	0.574	ppbv	#	96
52) Tetrachloroethene	11.30	164	5782315	76.816	ppbv		91
53) Toluene	9.86	91	287216	1.153	ppbv		99
58) Ethyl Benzene	12.78	91	107289	0.327	ppbv	#	79
59) m/p-Xylene	13.03	91	427482	1.573	ppbv		97
60) o-Xylene	13.76	91	159993m	0.589	ppbv		

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

Quantitation Report (QT Reviewed)

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Data File : VL034269.D
Acq On : 9 Oct 2019 4:29
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 06:48:29 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 :
SV1DL

Manual Integrations APPROVED
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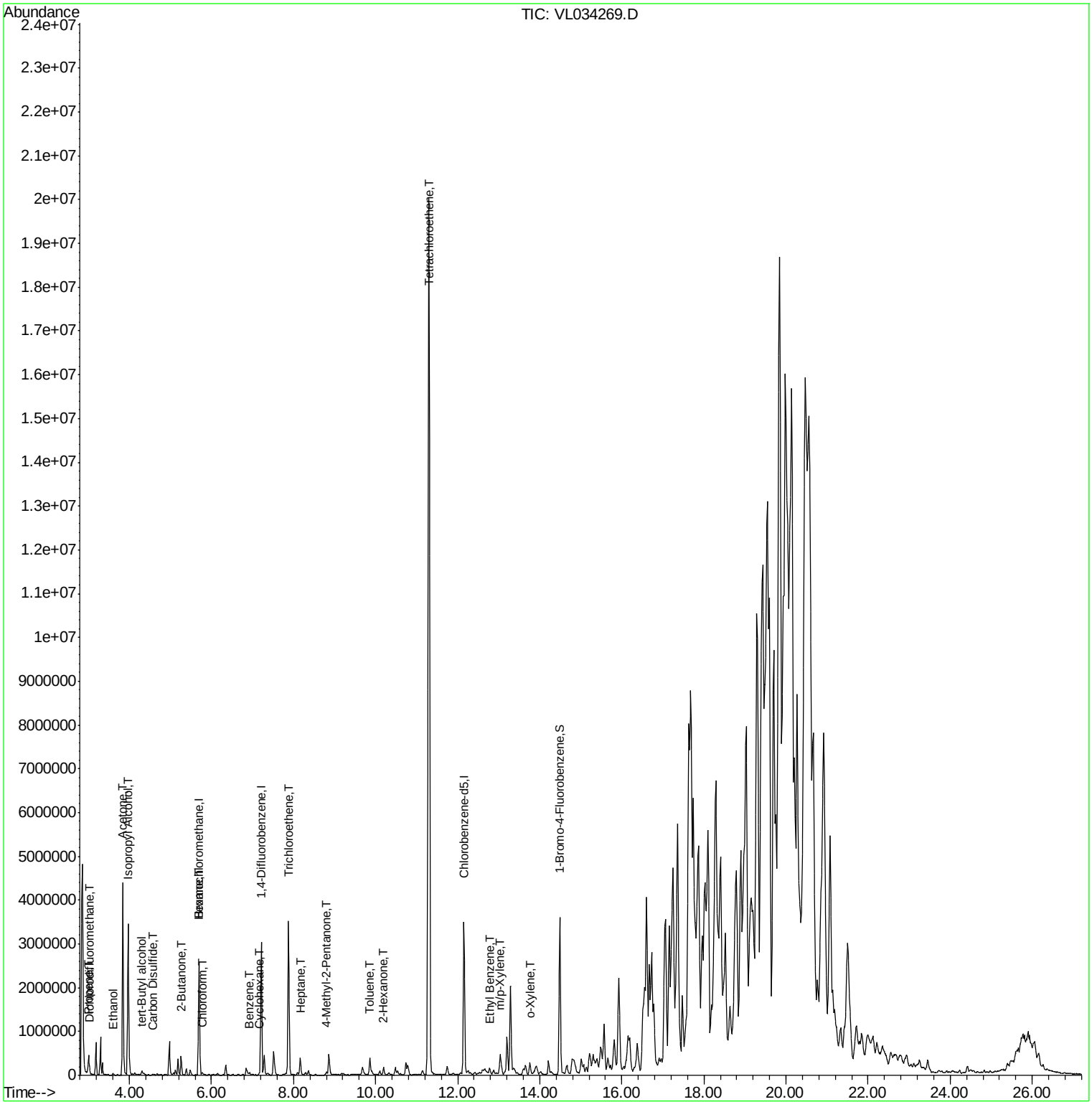
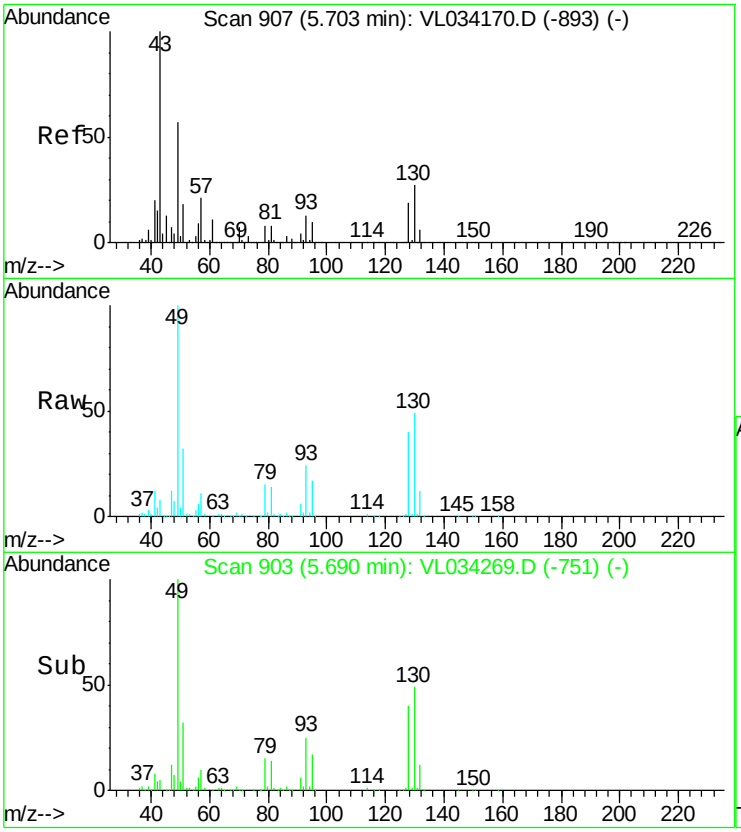
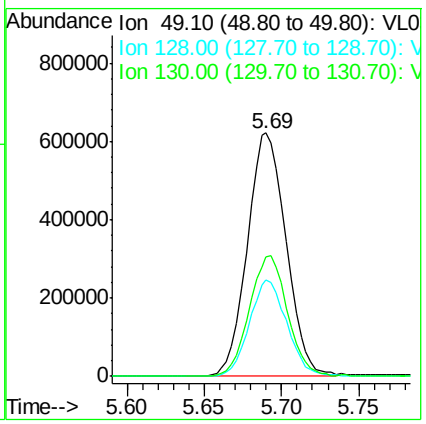




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 49 Resp: 1083427

Ion	Ratio	Lower	Upper
49	100		
128	38.5	17.6	52.9
130	49.4	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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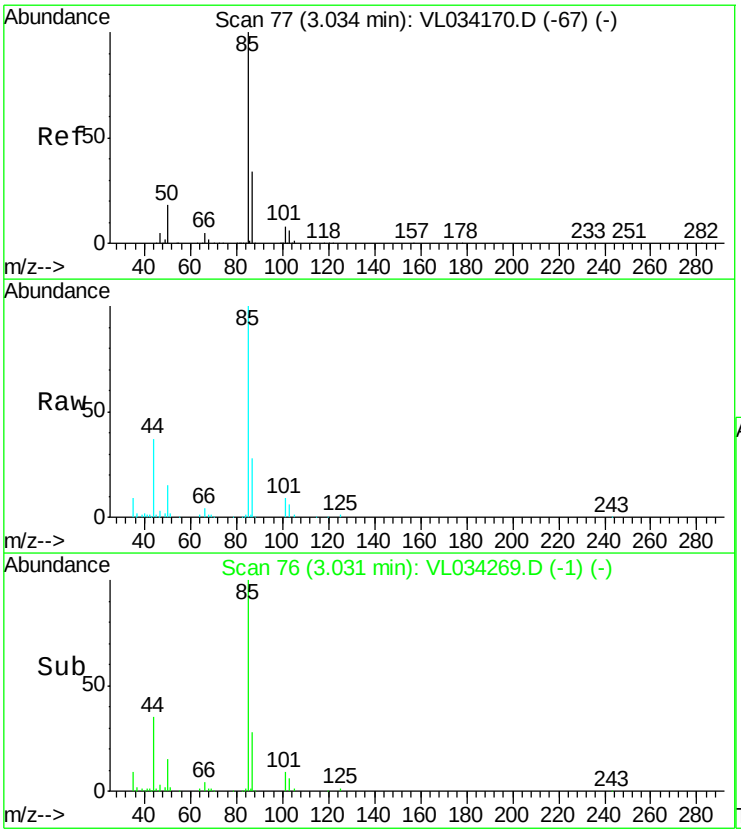
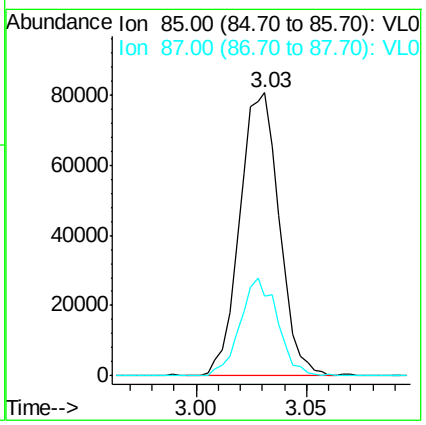
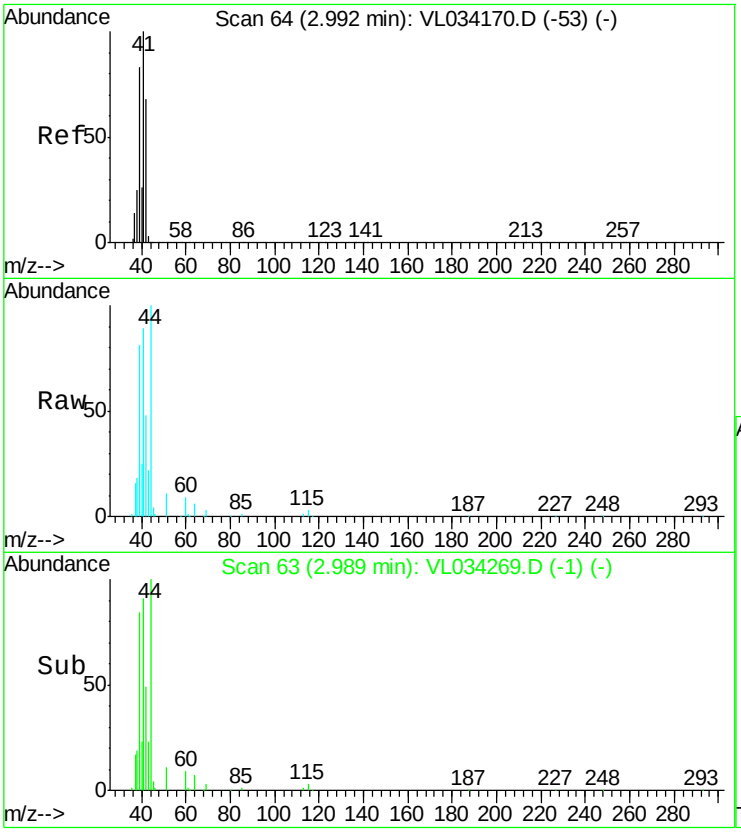


#2
Dichlorodifluoromethane
Concen: 0.629 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 85 Resp: 100682

Ion	Ratio	Lower	Upper
85	100		
87	28.1	27.2	40.8

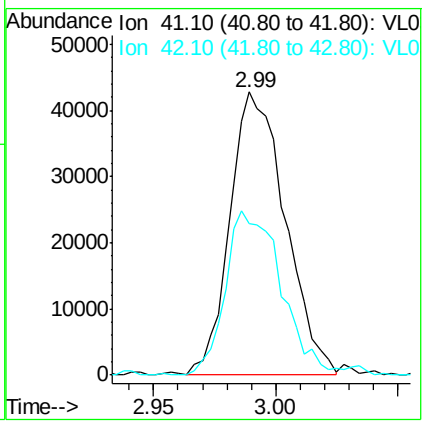




#9
Propene
Concen: 1.077 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 41 Resp: 67519

Ion	Ratio	Lower	Upper
41	100		
42	59.3	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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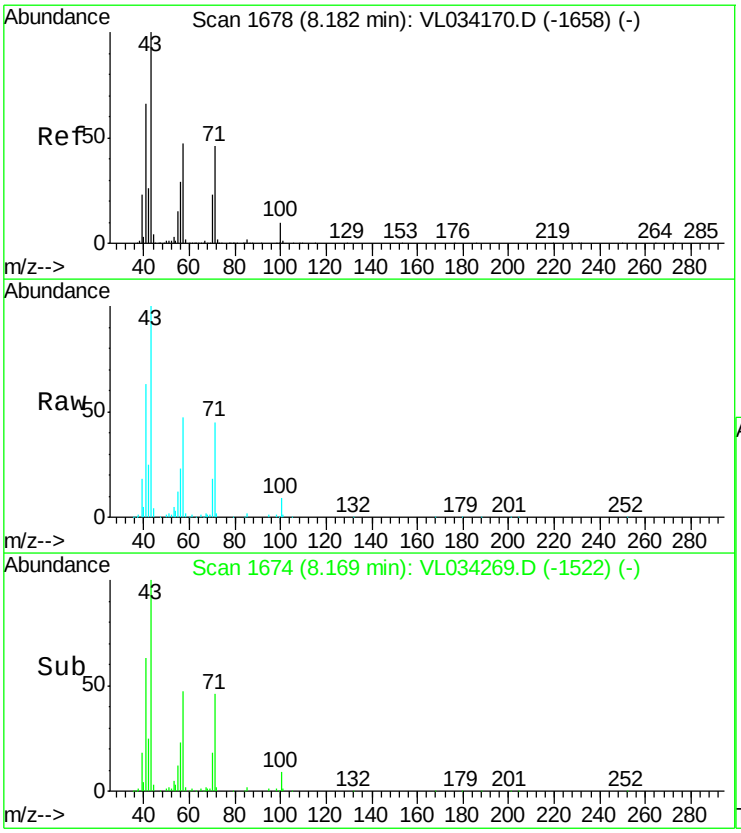
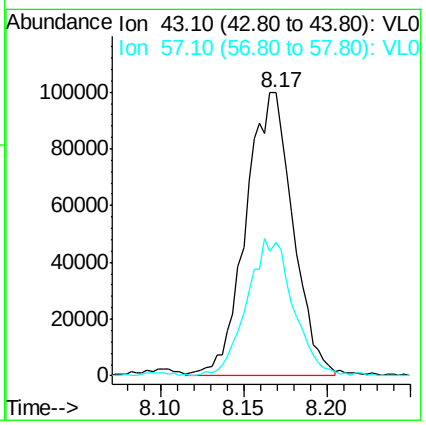
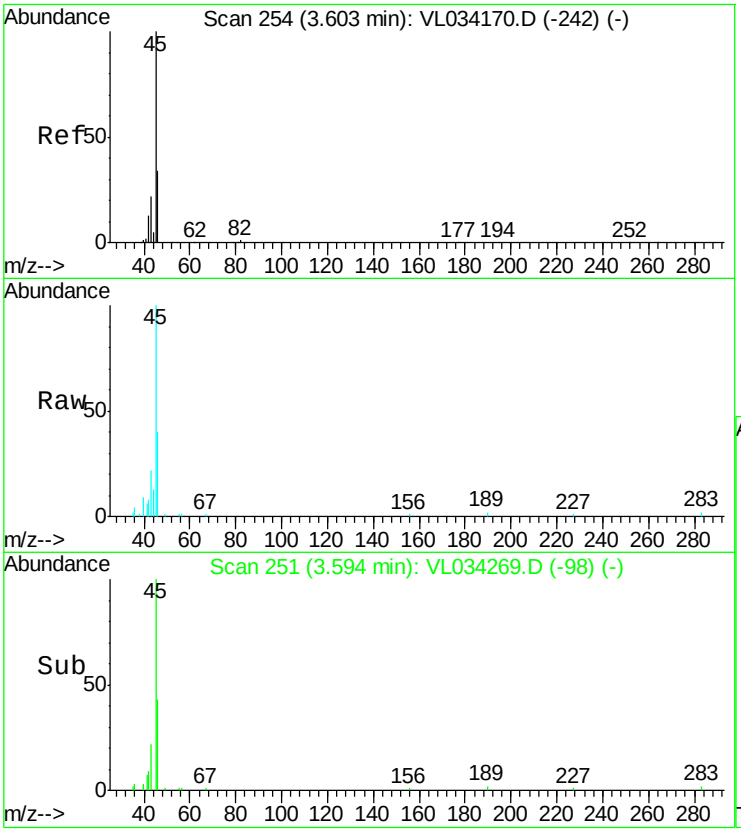


#10
Heptane
Concen: 1.204 ppbv m
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 196650

Ion	Ratio	Lower	Upper
43	100		
57	47.7	37.5	56.3

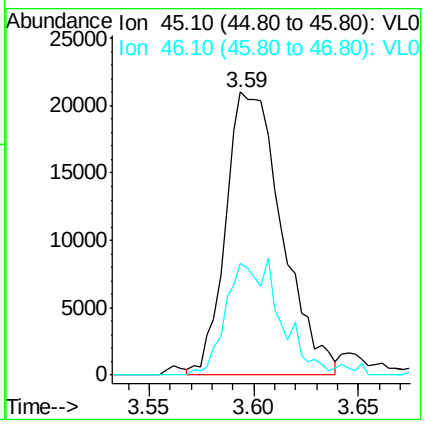




#13
Ethanol
Concen: 2.581 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 45 Resp: 39168

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.5	61.9#



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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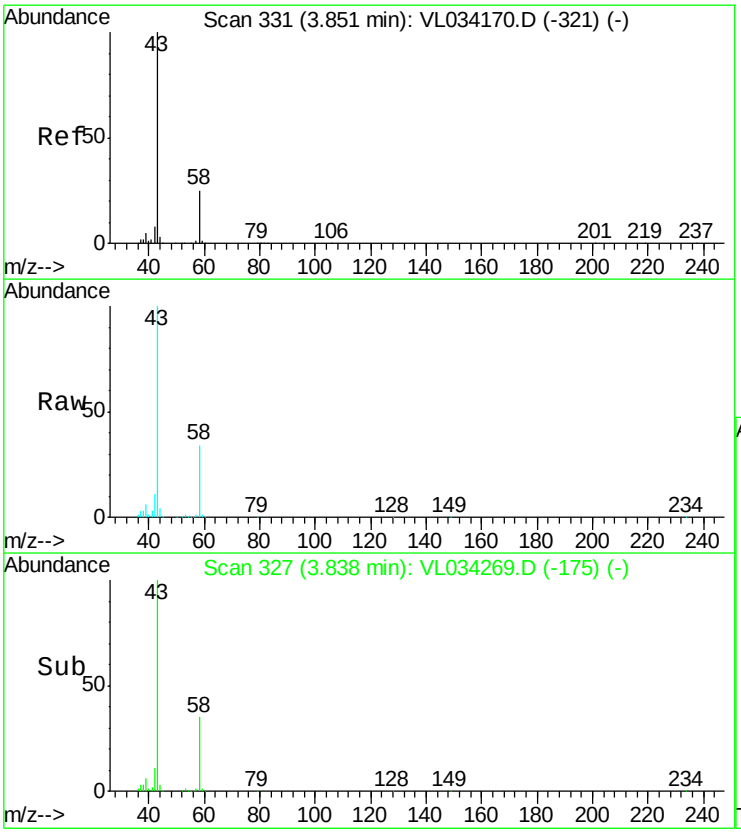
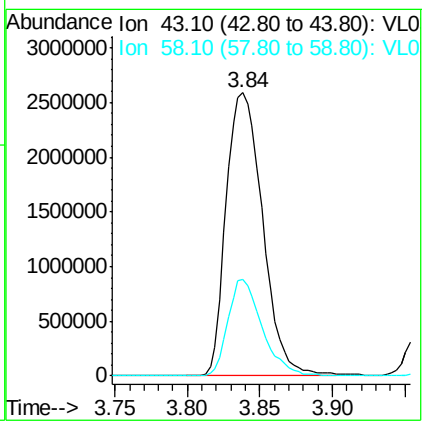
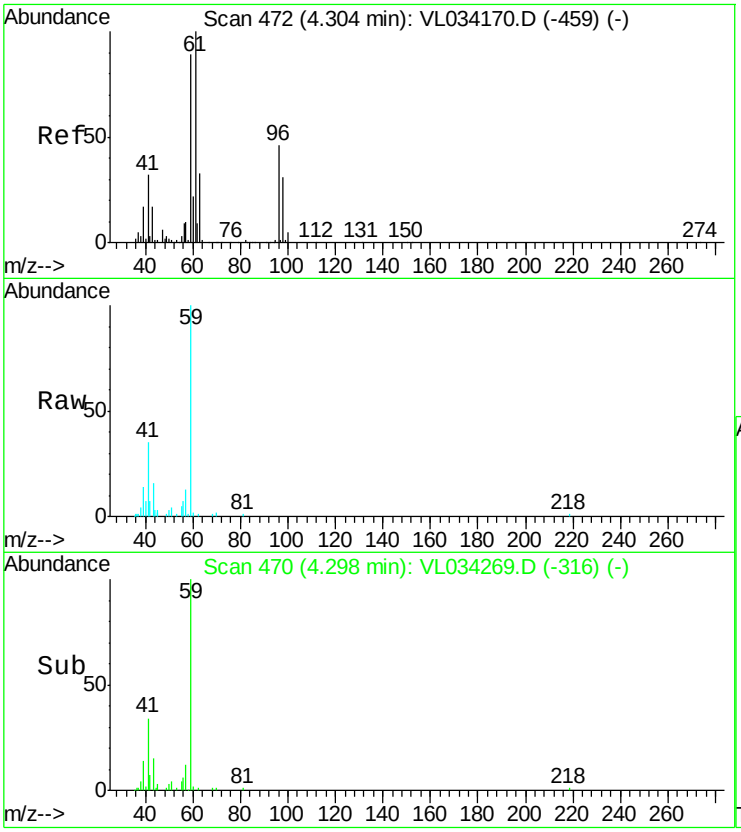


#15
Acetone
Concen: 31.163 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 4525211

Ion	Ratio	Lower	Upper
43	100		
58	32.1	20.5	30.7#

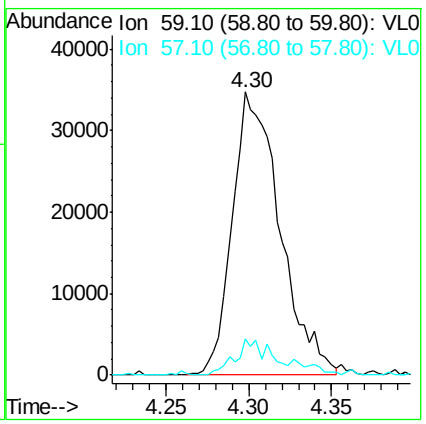




#17
tert-Butyl alcohol
Concen: 0.753 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 59 Resp: 69319

Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.7	13.1



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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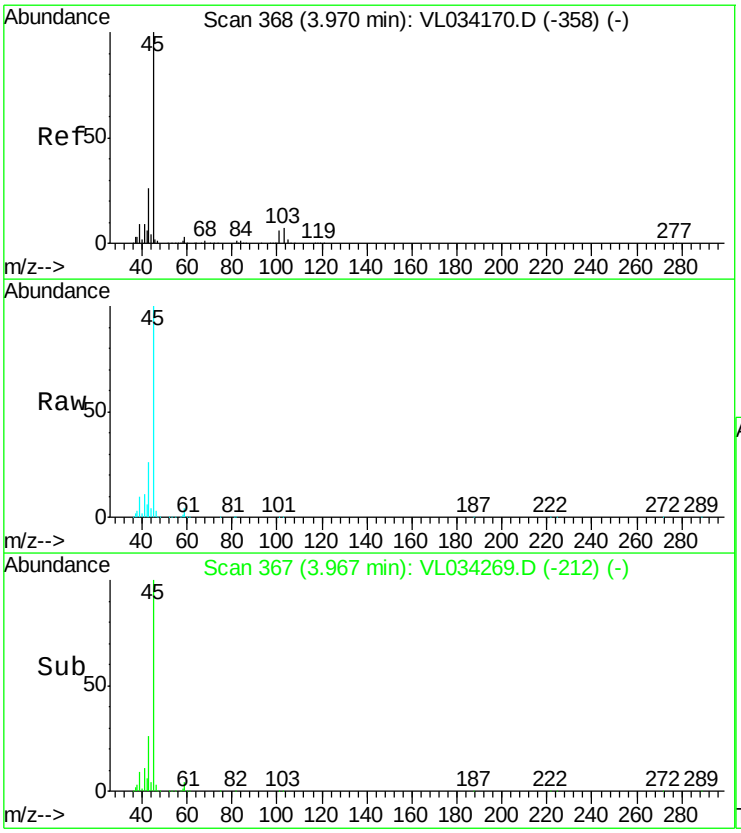
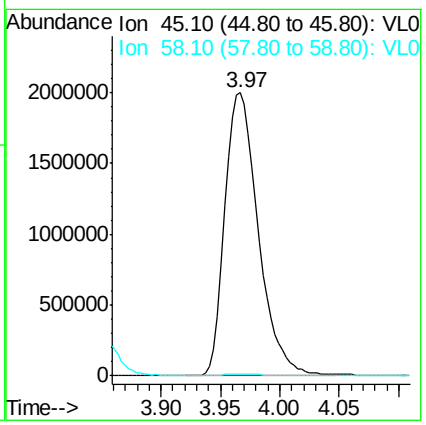
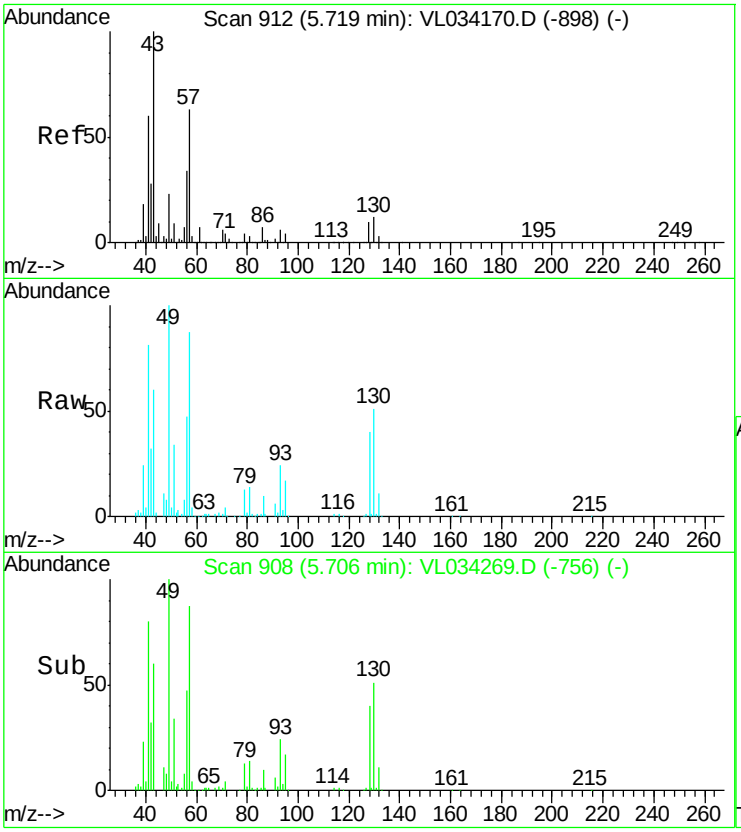


#19
Isopropyl Alcohol
Concen: 43.809 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 45 Resp: 3911845

Ion	Ratio	Lower	Upper
45	100		
58	37.1	1.4	2.0#

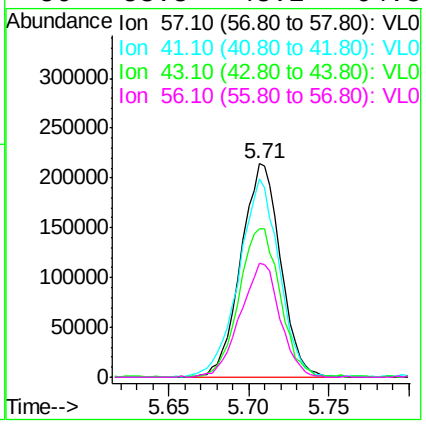




#26
Hexane
Concen: 3.184 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 57 Resp: 363645

Ion	Ratio	Lower	Upper
57	100		
41	94.5	78.5	117.7
43	72.6	189.5	284.3#
56	53.8	43.2	64.8



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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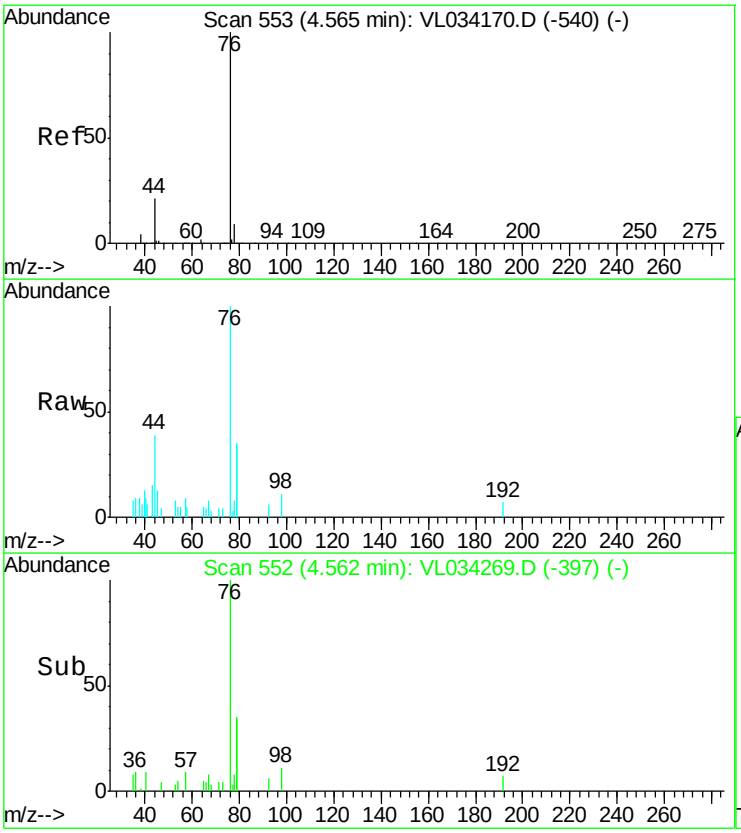
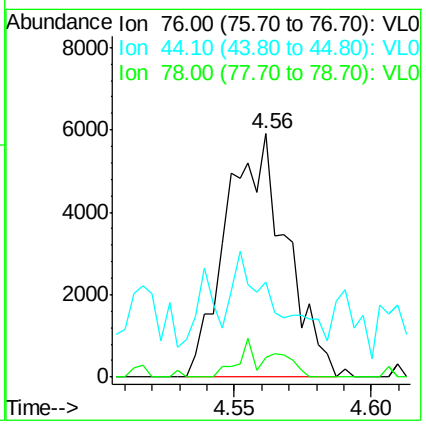
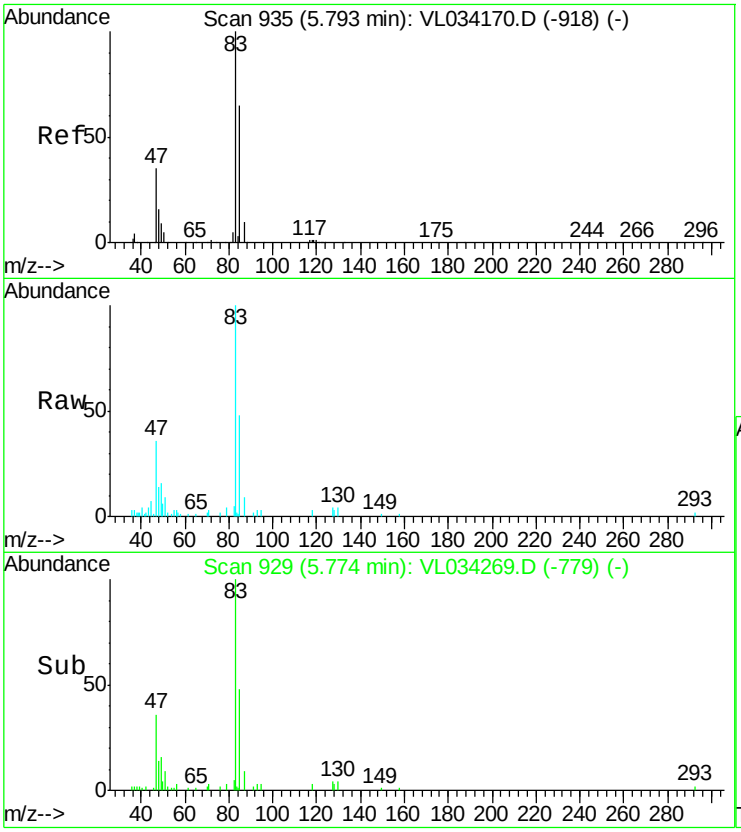


#27
Carbon Disulfide
Concen: 0.085 ppbv m
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 76 Resp: 9006

Ion	Ratio	Lower	Upper
76	100		
44	97.2	17.6	26.4#
78	10.3	7.6	11.4





#29
Chloroform
Concen: 0.191 ppbv
RT: 5.77 min Scan# 929
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 83 Resp: 31146

Ion	Ratio	Lower	Upper
83	100		
85	45.9	52.3	78.5#

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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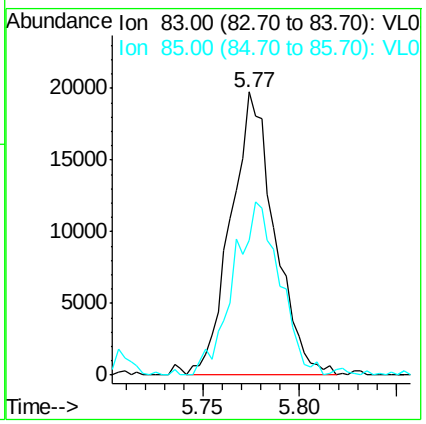
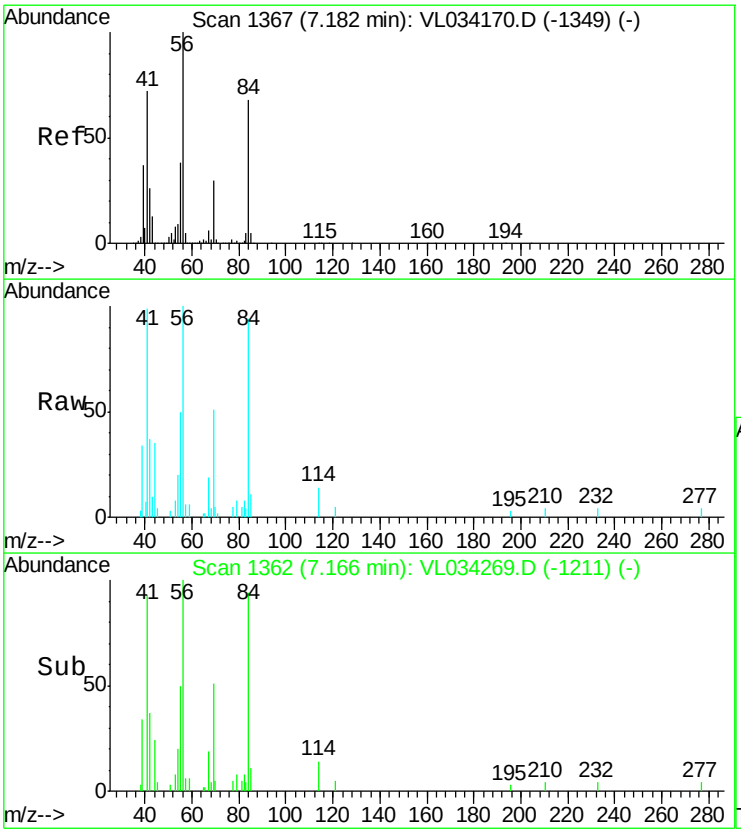
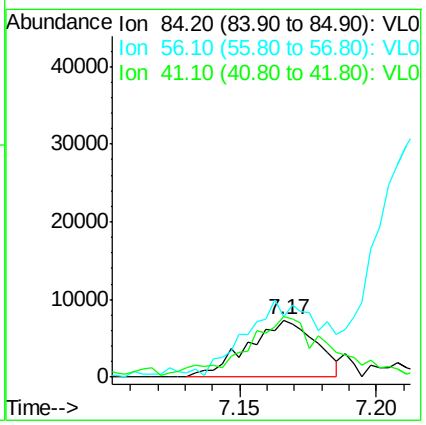


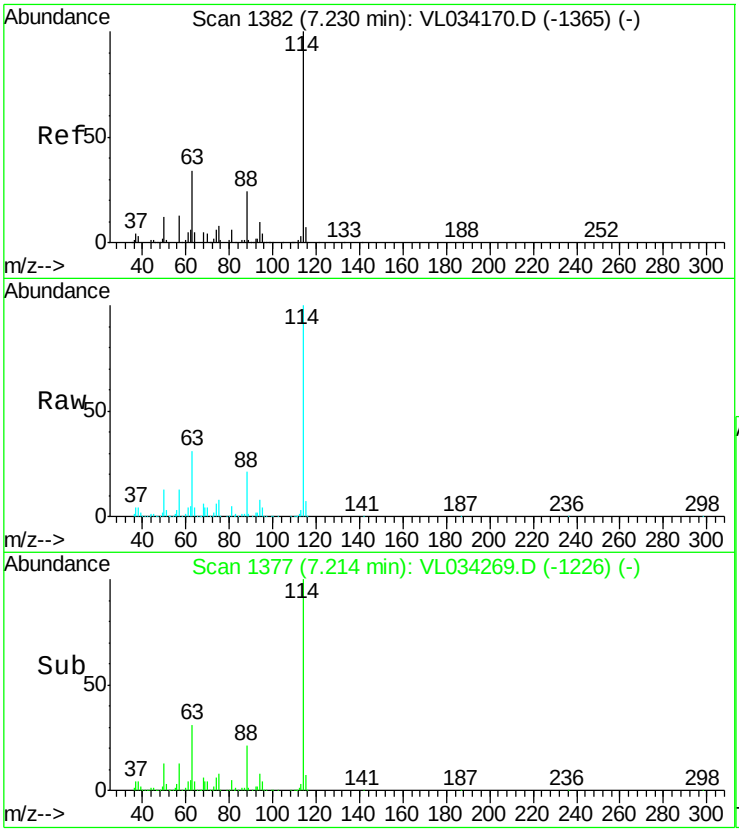


#30
Cyclohexane
Concen: 0.155 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 84 Resp: 12821

Ion	Ratio	Lower	Upper
84	100		
56	0.0	126.2	189.2#
41	130.4	85.8	128.8#

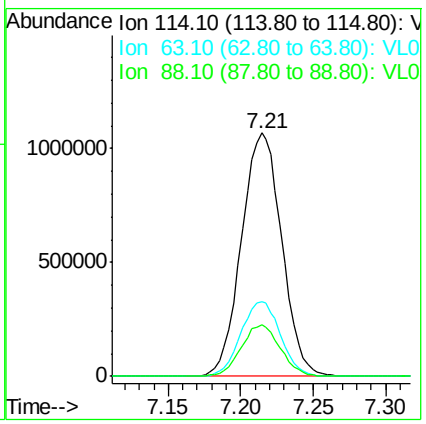




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion:114 Resp: 2062934

Ion	Ratio	Lower	Upper
114	100		
63	30.5	27.8	41.6
88	20.6	17.1	25.7



Instrument :
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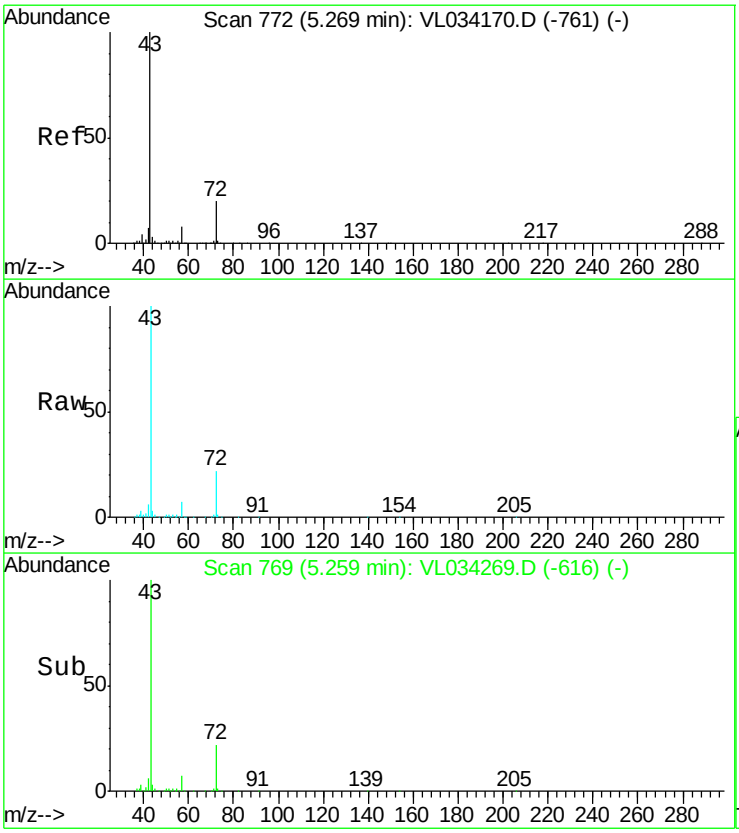
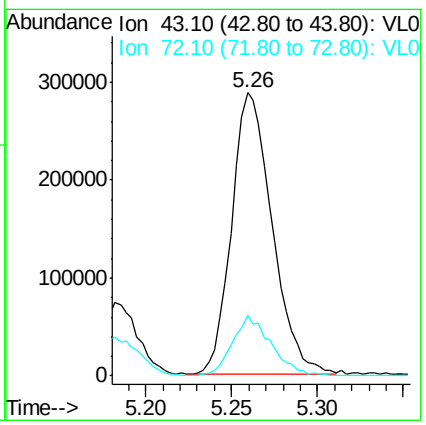
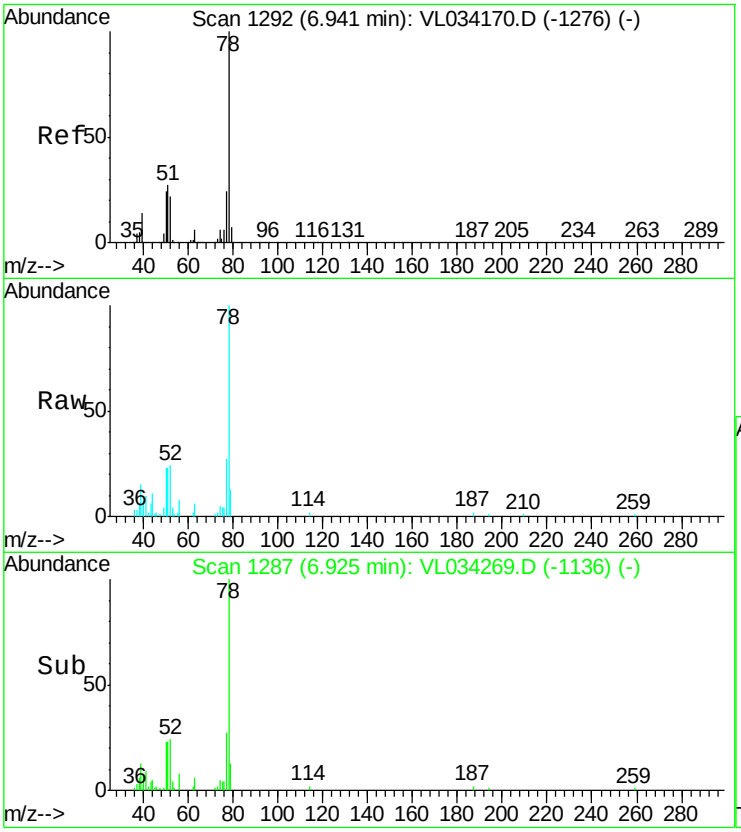


#34
2-Butanone
Concen: 2.240 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 471861

Ion	Ratio	Lower	Upper
43	100		
72	20.5	15.0	22.6

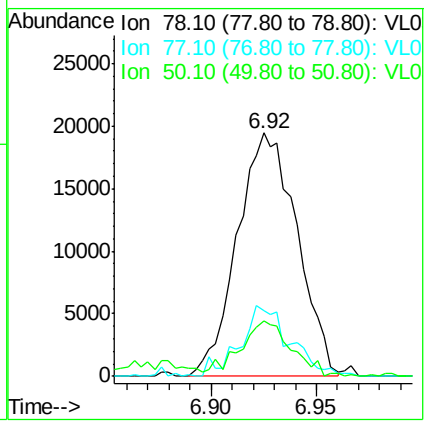




#36
Benzene
Concen: 0.168 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 78 Resp: 38377

Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.4
50	21.5	18.9	28.3



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations APPROVED
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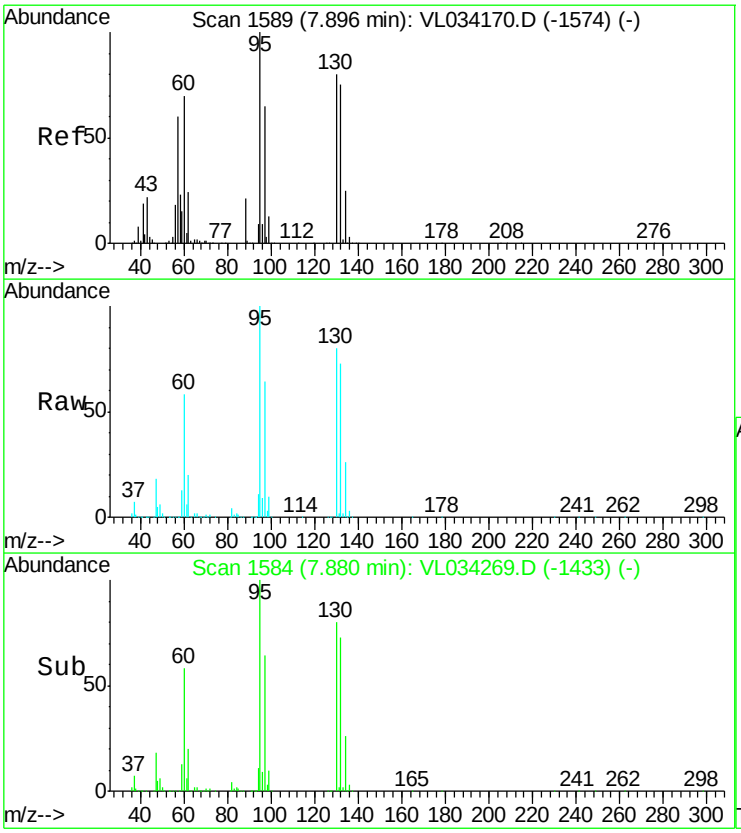
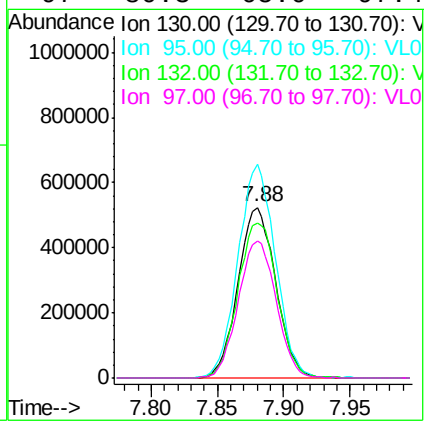
10/11/2019 5:08:16 PM

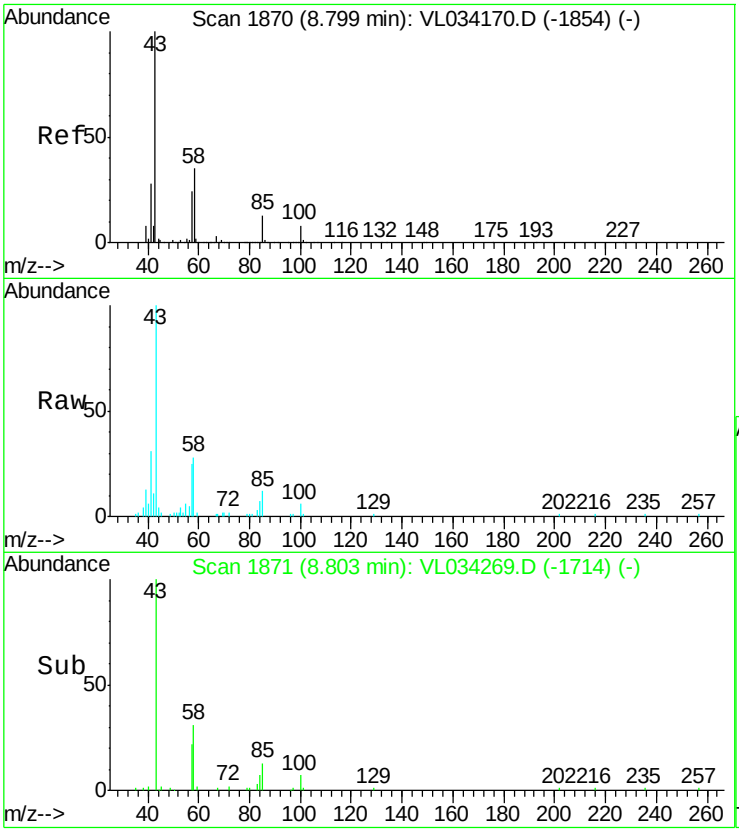


#38
Trichloroethene
Concen: 12.700 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion:130 Resp: 1033854

Ion	Ratio	Lower	Upper
130	100		
95	125.4	99.8	149.6
132	91.0	75.2	112.8
97	80.3	65.0	97.4





#50
4-Methyl-2-Pentanone
Concen: 0.167 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 51056

Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.6	41.4

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations APPROVED
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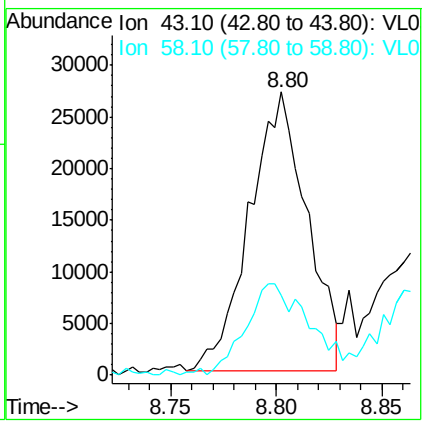
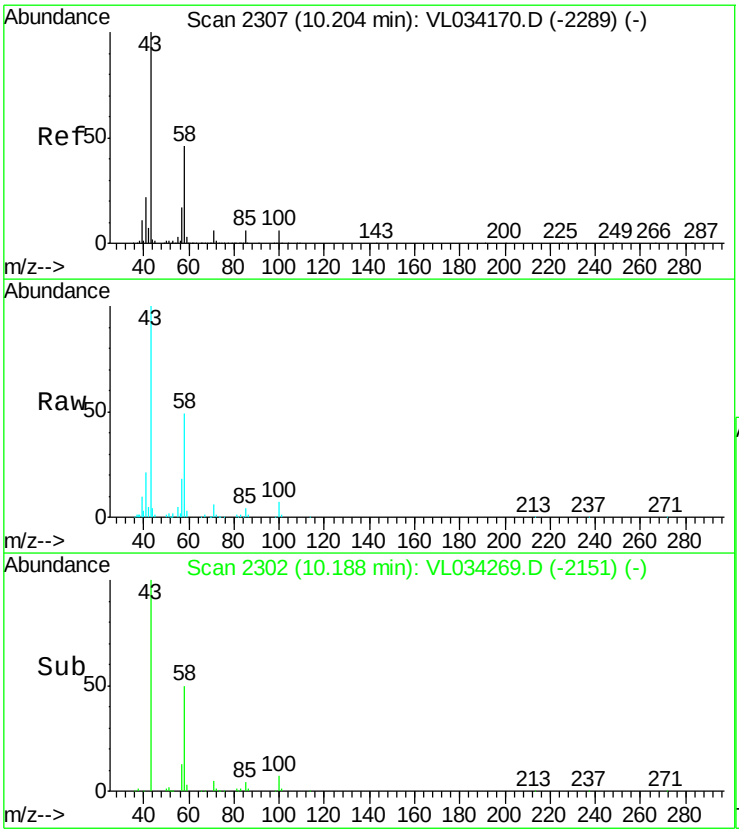
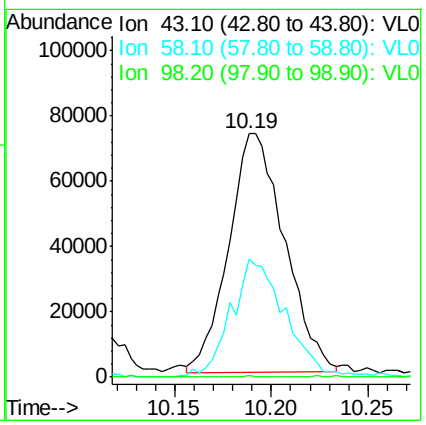


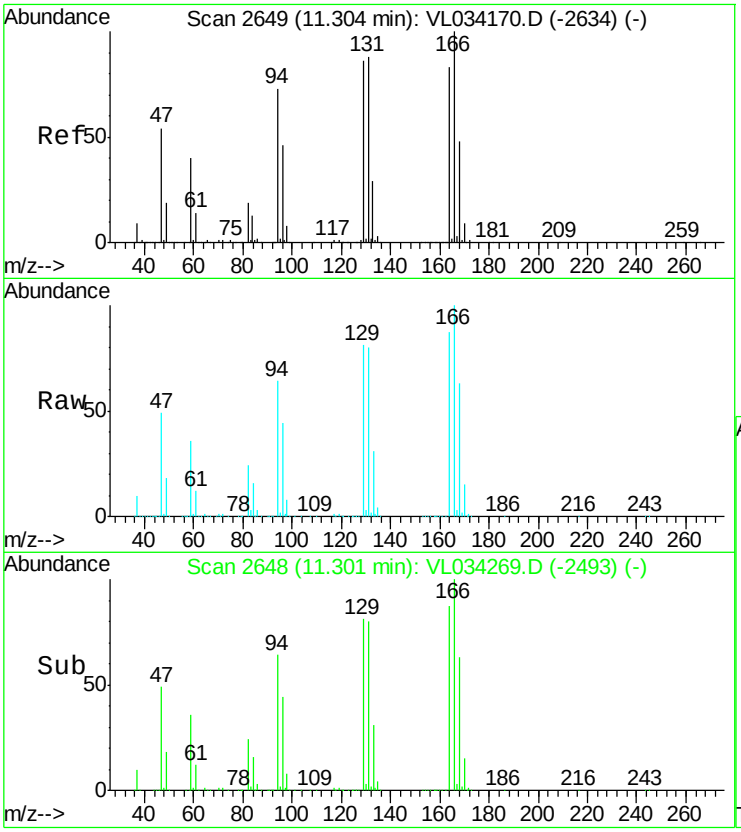


#51
2-Hexanone
Concen: 0.574 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 43 Resp: 147763

Ion	Ratio	Lower	Upper
43	100		
58	48.2	36.2	54.4
98	0.1	0.2	0.2#

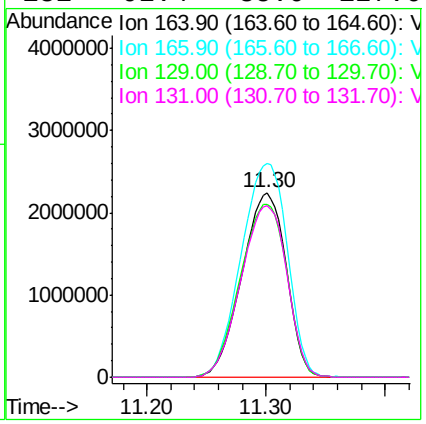




#52
Tetrachloroethene
Concen: 76.816 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion:164 Resp: 5782315

Ion	Ratio	Lower	Upper
164	100		
166	115.5	96.7	145.1
129	93.7	82.8	124.2
131	92.4	85.0	127.6



Instrument :
MSVOA_L
ClientSampleId :
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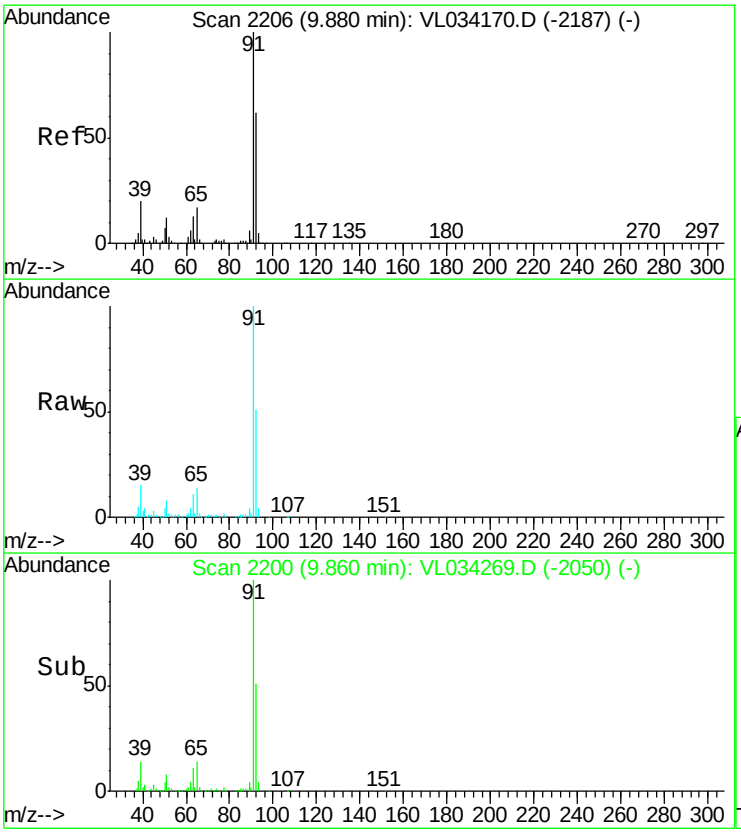
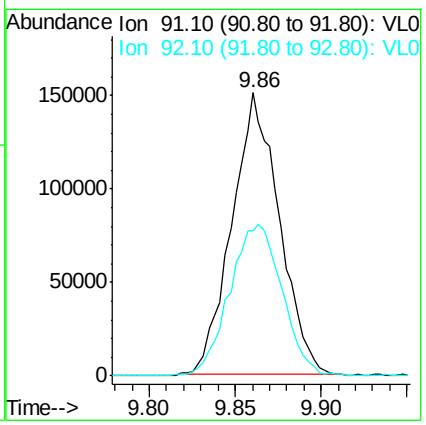
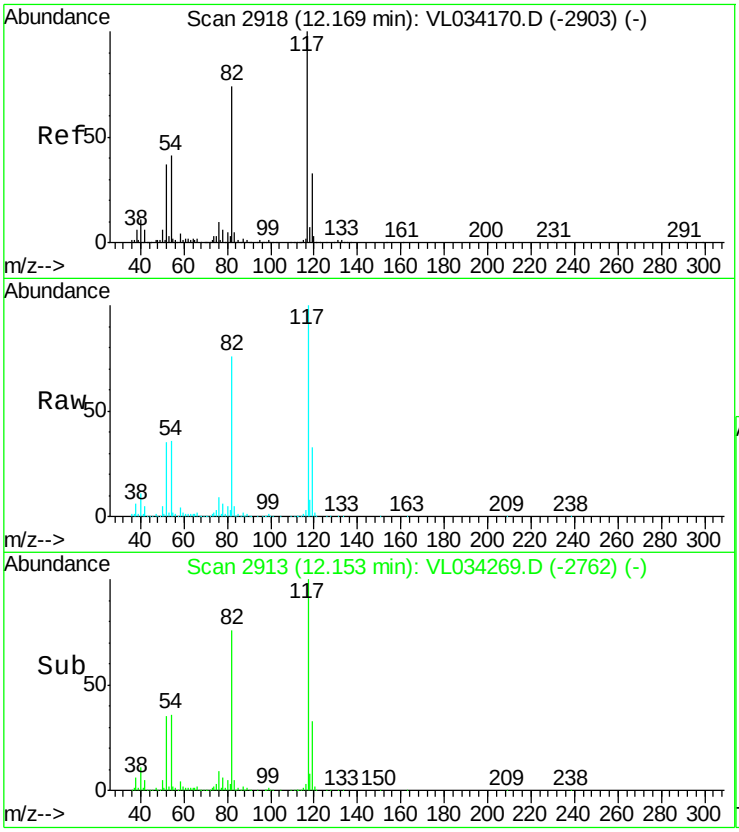


#53
Toluene
Concen: 1.153 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 91 Resp: 287216

Ion	Ratio	Lower	Upper
91	100		
92	60.2	49.0	73.6

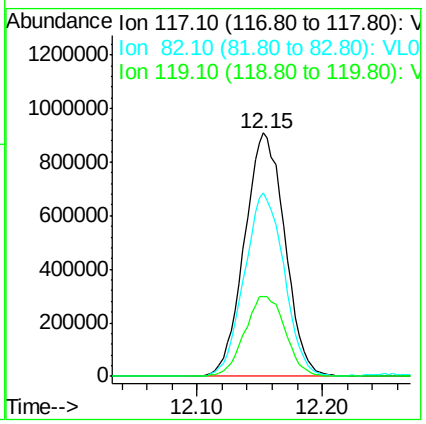




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion:117 Resp: 2032856

Ion	Ratio	Lower	Upper
117	100		
82	74.6	58.2	87.4
119	33.3	23.7	35.5



Instrument :
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ClientSampleId :
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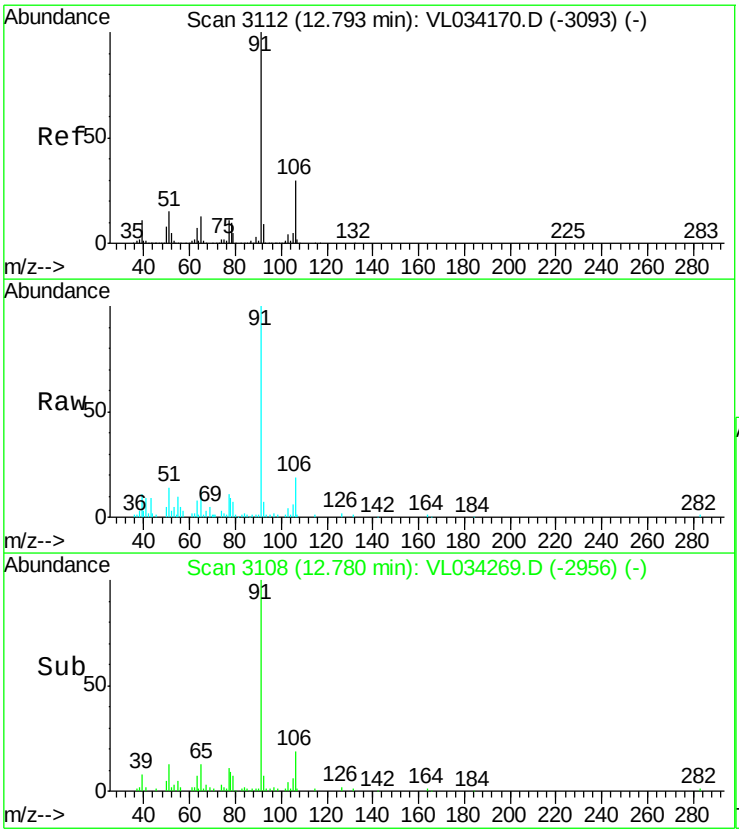
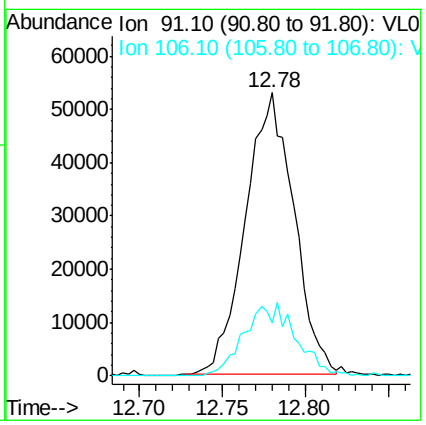
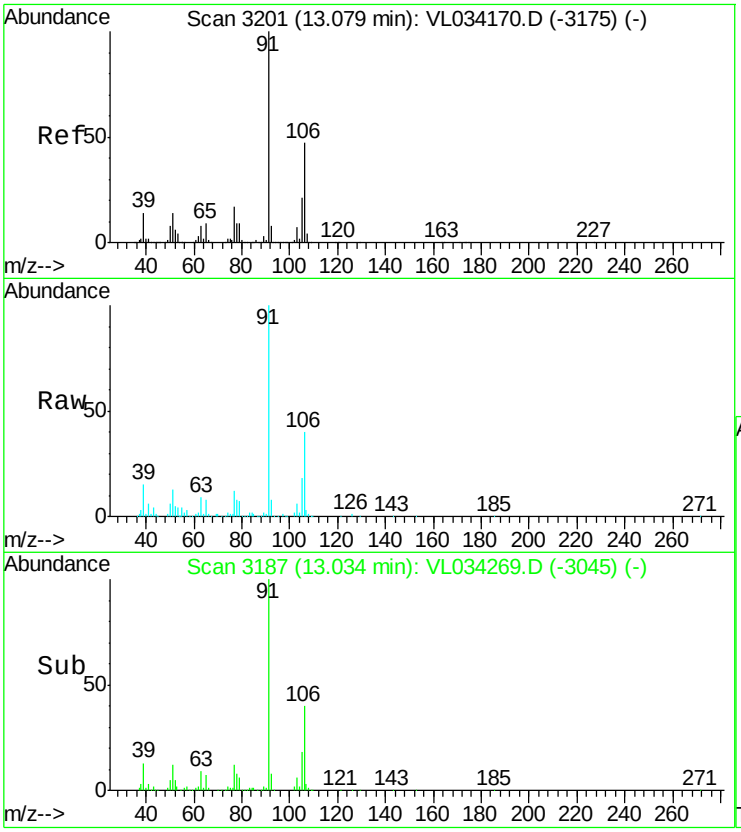


#58
Ethyl Benzene
Concen: 0.327 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 91 Resp: 107289

Ion	Ratio	Lower	Upper
91	100		
106	18.6	24.2	36.4#

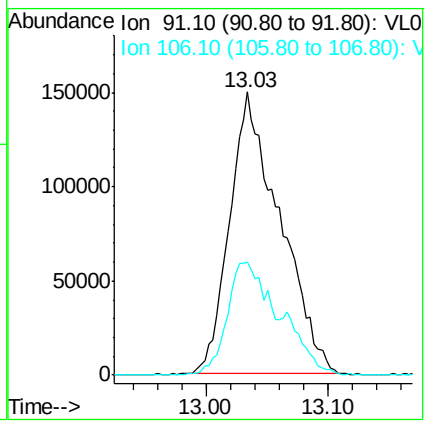




#59
m/p-Xylene
Concen: 1.573 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. -0.05 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 91 Resp: 427482

Ion	Ratio	Lower	Upper
91	100		
106	42.2	35.5	53.3



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ClientSampleId :
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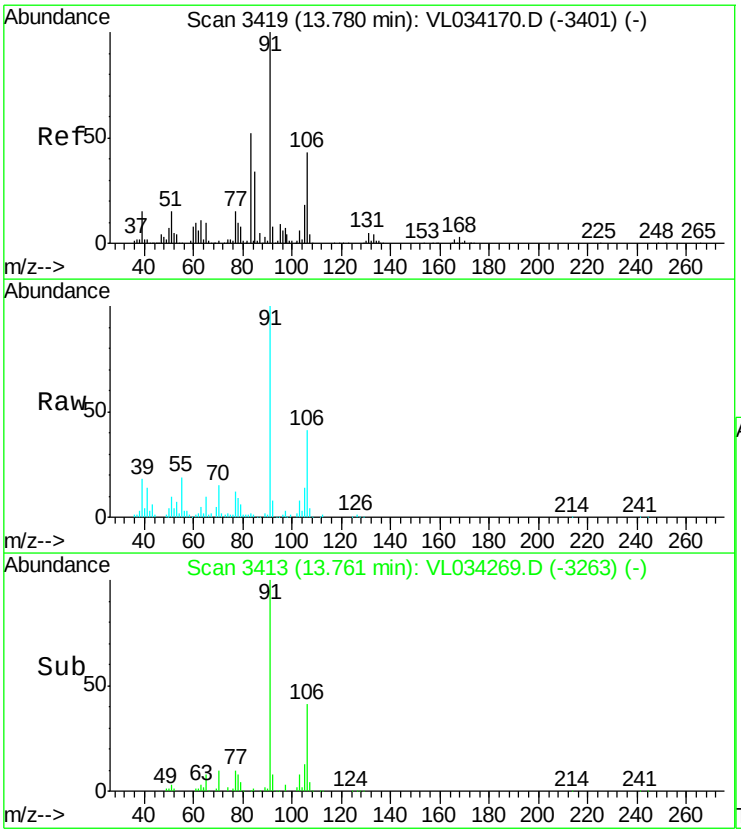
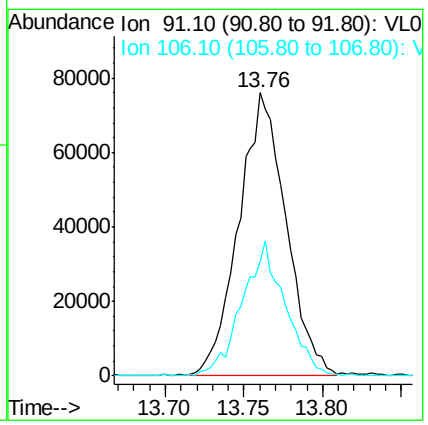
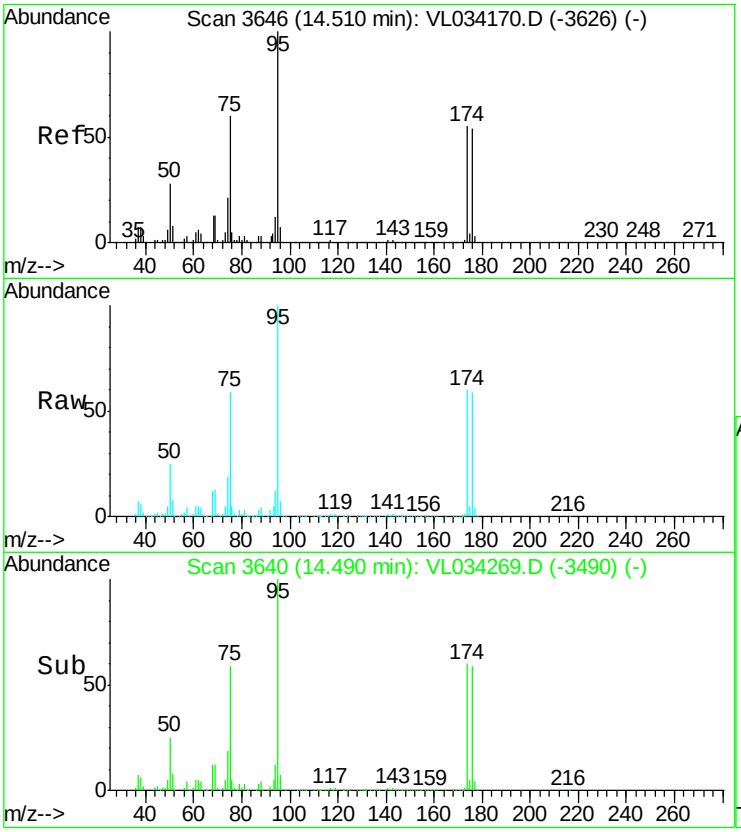


#60
o-Xylene
Concen: 0.589 ppbv m
RT: 13.76 min Scan# 3413
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 91 Resp: 159993

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.2	63.6

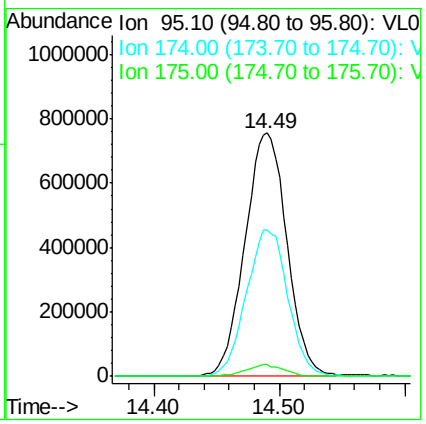




#68
1-Bromo-4-Fluorobenzene
Concen: 9.943 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034269.D
Acq: 9 Oct 2019 4:29

Tgt Ion: 95 Resp: 1756281

Ion	Ratio	Lower	Upper
95	100		
174	60.0	45.1	67.7
175	4.4	3.3	4.9



Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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