

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034331.D
 Acq On : 18 Oct 2019 00:40
 Operator : SY/AP
 Sample : K5409-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
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Quant Time: Oct 20 19:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	848751	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1856337	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1887335	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1531624	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	330588	7.496	ppbv	84
10) Heptane	8.16	43	64802	0.573	ppbv	95
13) Ethanol	3.61	45	10964m	1.110	ppbv	
15) Acetone	3.84	43	1264809	10.418	ppbv	100
26) Hexane	5.71	57	129390	1.481	ppbv #	40
34) 2-Butanone	5.27	43	91199	0.601	ppbv	97
36) Benzene	6.92	78	105537	0.593	ppbv	91
38) Trichloroethene	7.88	130	18620m	0.261	ppbv	
52) Tetrachloroethene	11.29	164	2722515	38.996	ppbv	95
53) Toluene	9.86	91	181073	0.921	ppbv	98
59) m/p-Xylene	13.03	91	152484m	0.667	ppbv	
60) o-Xylene	13.76	91	58957	0.259	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	82732m	0.313	ppbv	

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

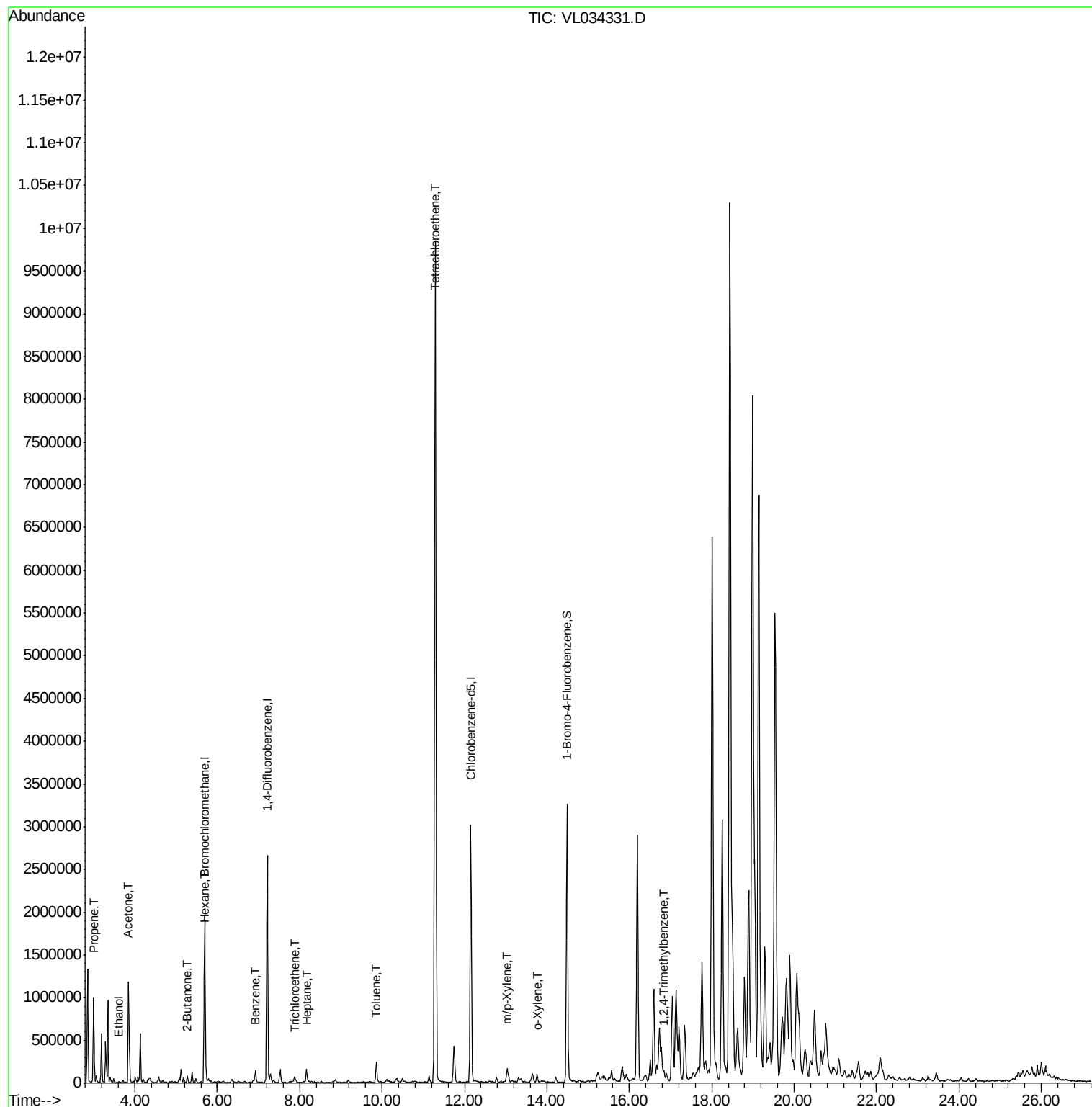
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
Data File : VL034331.D
Acq On : 18 Oct 2019 00:40
Operator : SY/AP
Sample : K5409-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

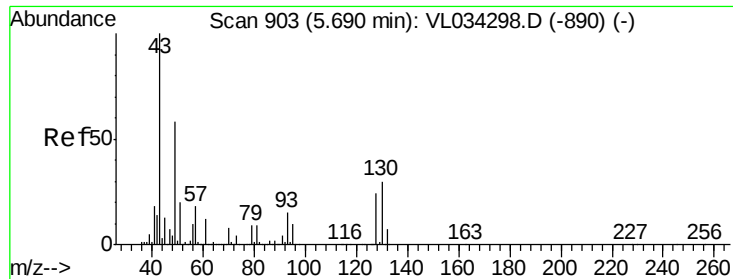
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Manual Integrations
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Quant Time: Oct 20 19:15:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034331.D

Acq: 18 Oct 2019 00:40

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tot Ion: 49 Resp: 848751

Ion Ratio Lower Upper

49 100

128 45.5 20.6 61.8

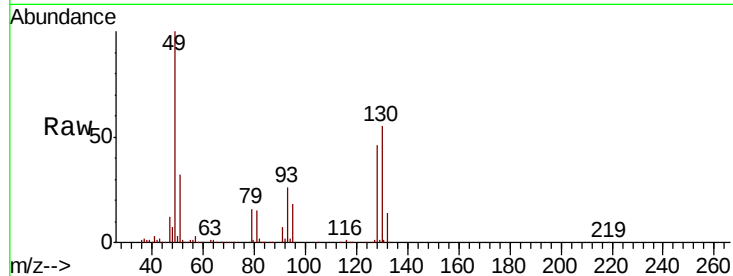
130 58.2 26.2 78.5

Manual Integrations

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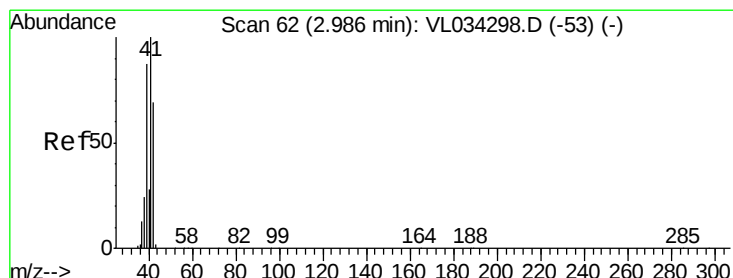
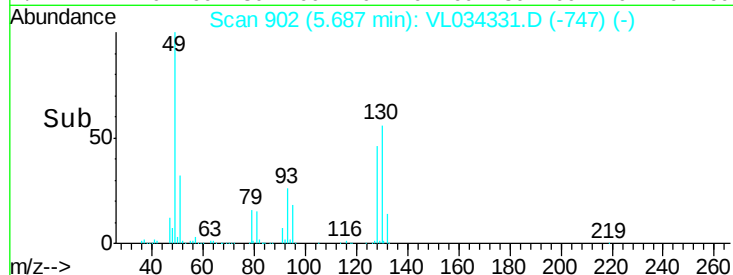
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.69

Time-->



#9

Propene

Concen: 7.496 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034331.D

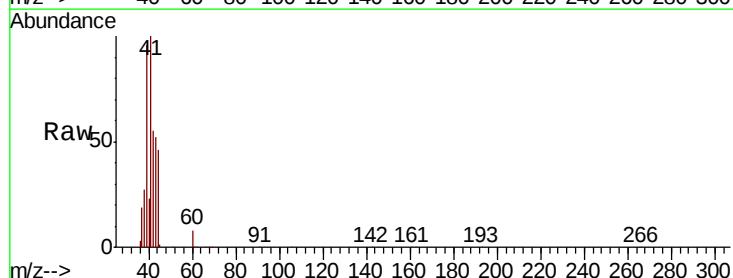
Acq: 18 Oct 2019 00:40

Tgt Ion: 41 Resp: 330588

Ion Ratio Lower Upper

41 100

42 54.2 53.9 80.9

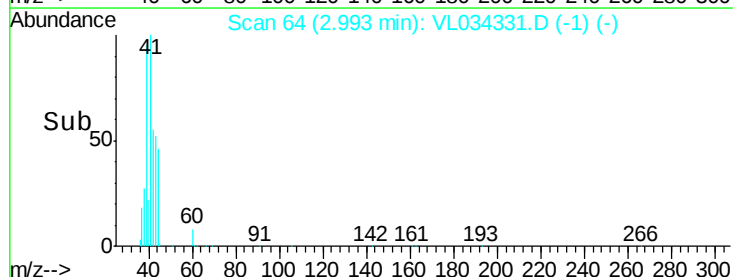


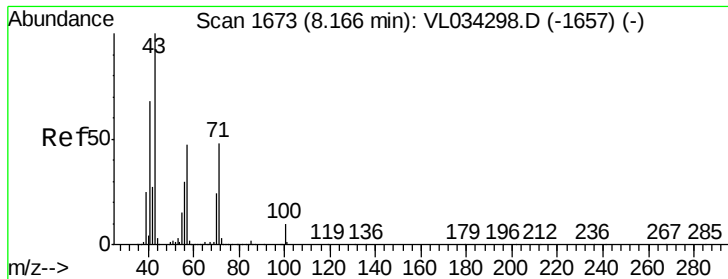
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

Time-->





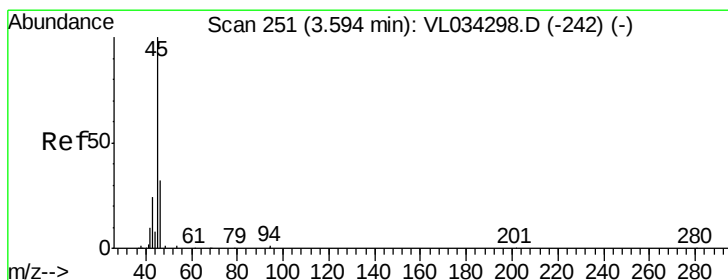
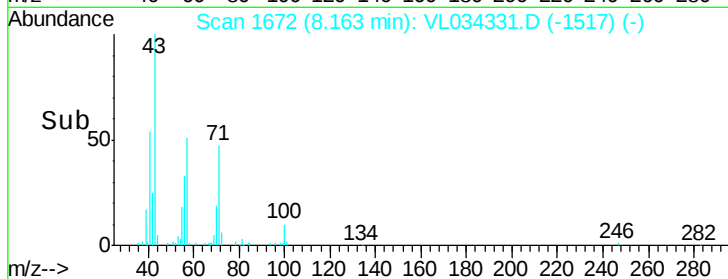
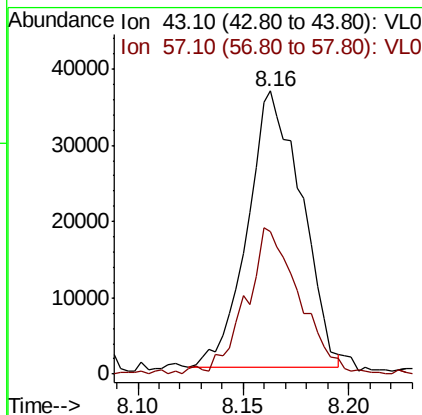
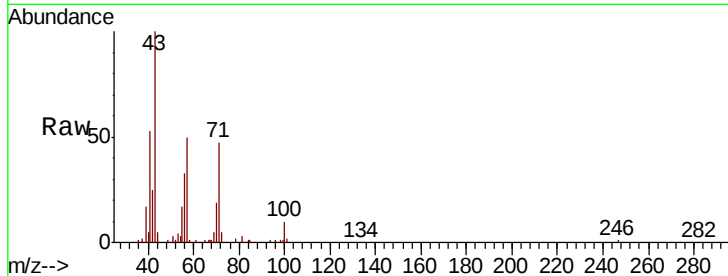
#10
Heptane
Concen: 0.573 ppbv
RT: 8.16 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VL034331.D
Acq: 18 Oct 2019 00:40

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion: 43 Resp: 64802
Ion Ratio Lower Upper
43 100
57 52.9 39.5 59.3

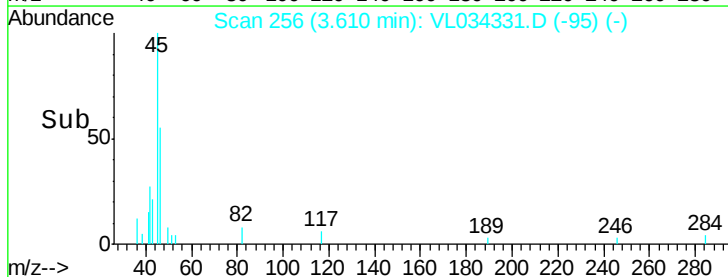
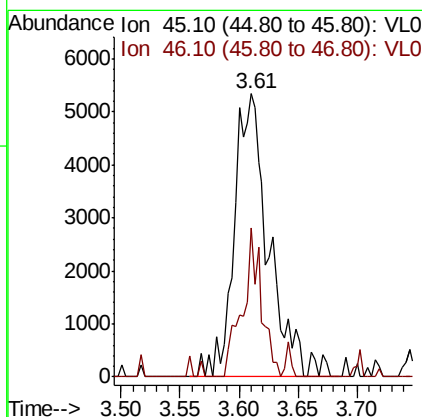
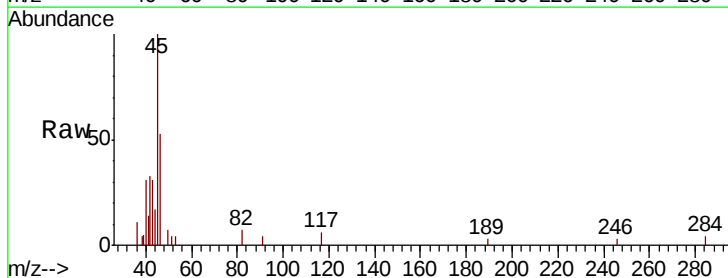
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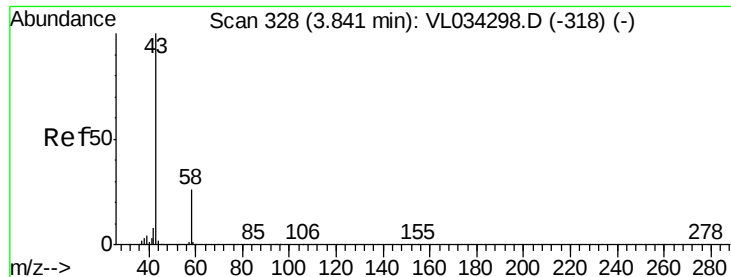
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#13
Ethanol
Concen: 1.110 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL034331.D
Acq: 18 Oct 2019 00:40

Tgt Ion: 45 Resp: 10964
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.2#





#15

Acetone

Concen: 10.418 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL034331.D

Acq: 18 Oct 2019 00:40

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion: 43 Resp: 1264809

Ion Ratio Lower Upper

43 100

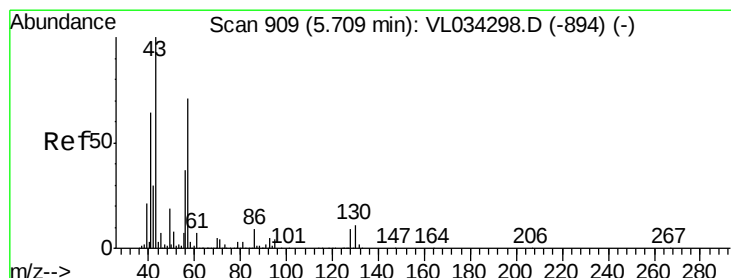
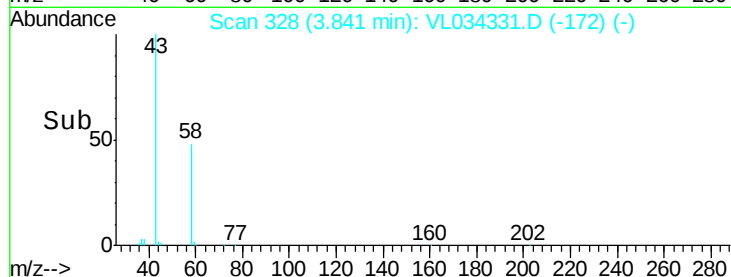
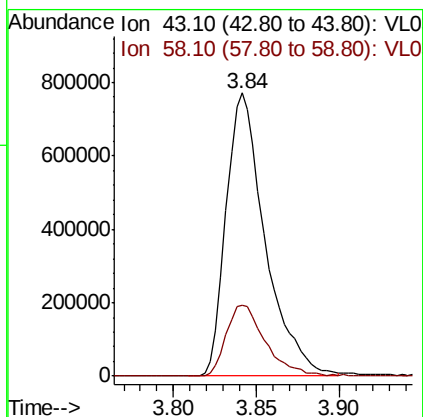
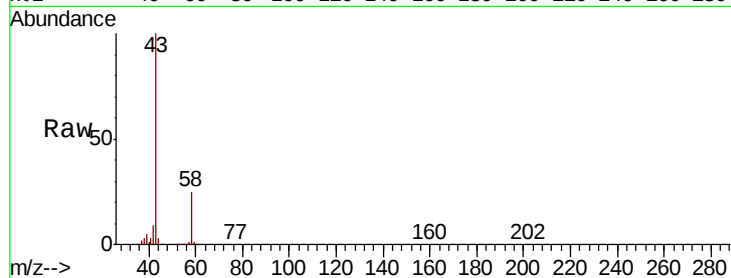
58 25.3 20.4 30.6

Manual Integrations

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#26

Hexane

Concen: 1.481 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL034331.D

Acq: 18 Oct 2019 00:40

Tgt Ion: 57 Resp: 129390

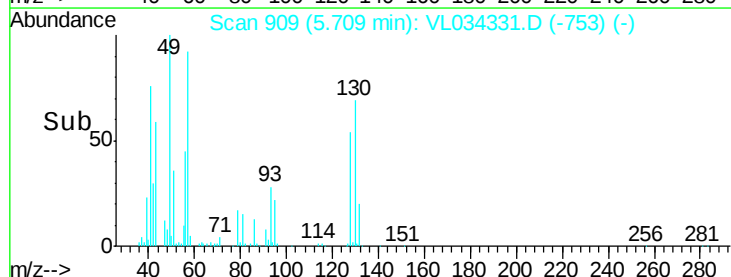
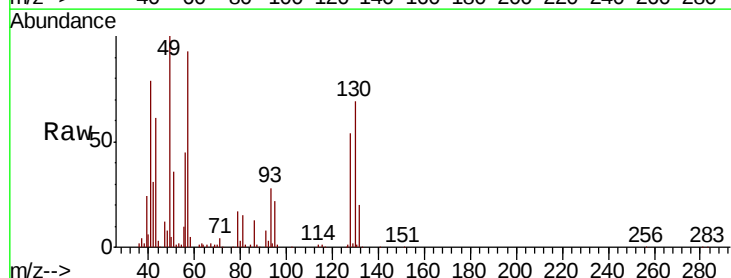
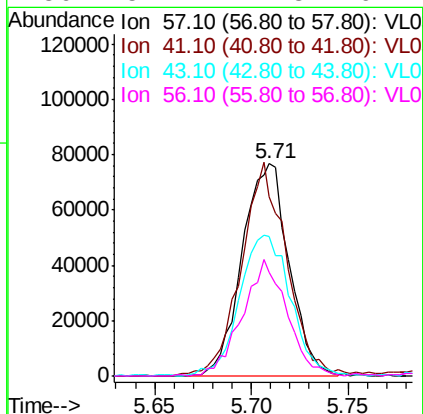
Ion Ratio Lower Upper

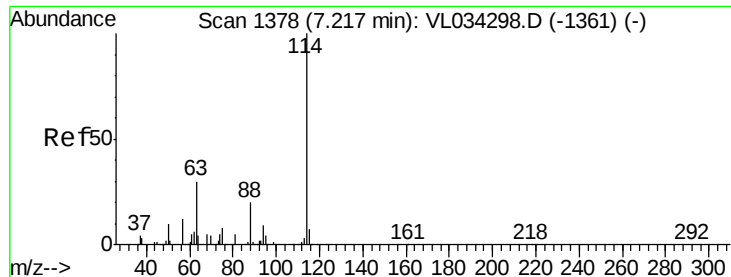
57 100

41 98.4 76.5 114.7

43 73.7 188.5 282.7#

56 52.7 42.8 64.2





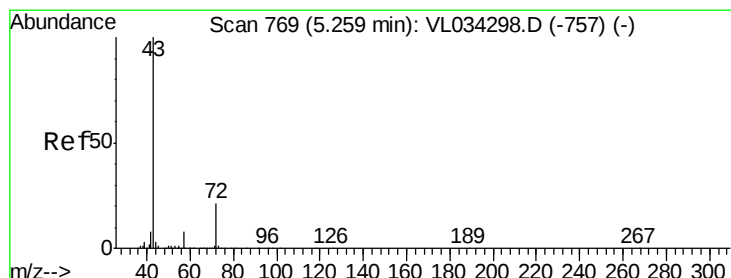
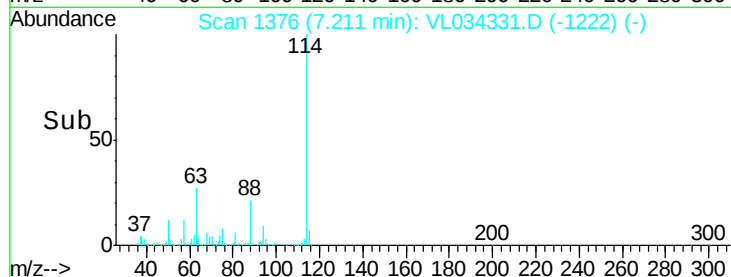
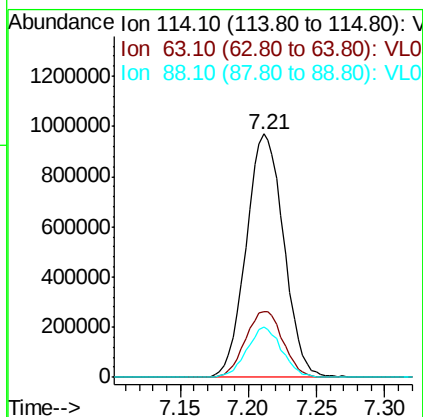
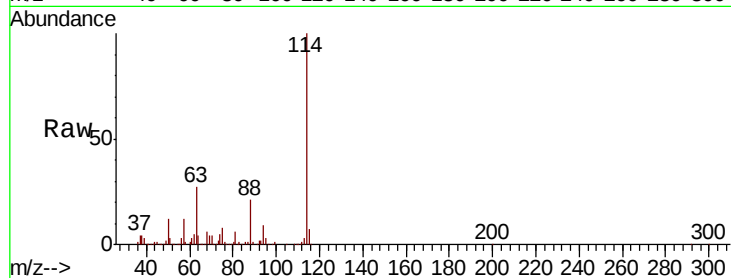
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034331.D
 Acq: 18 Oct 2019 00:40

Instrument :
 MSVOA_L
 ClientSampleID :
 SV3DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	25.2	37.8
88	19.4	16.0	24.0

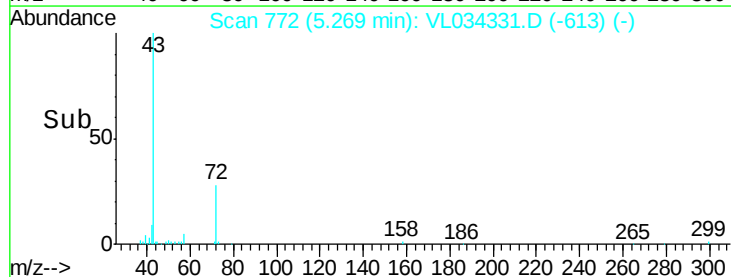
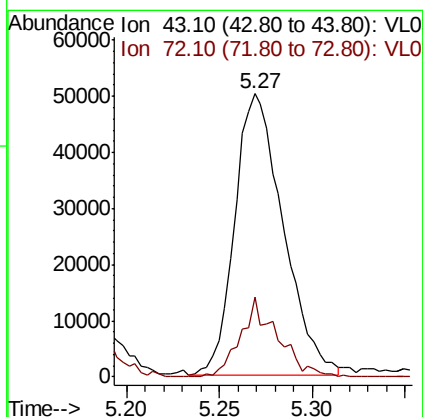
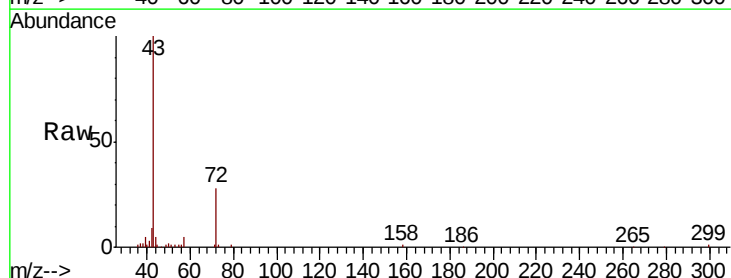
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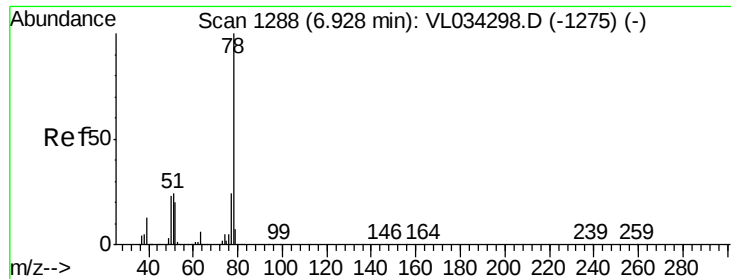
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#34
 2-Butanone
 Concen: 0.601 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VL034331.D
 Acq: 18 Oct 2019 00:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	16.3	24.5





#36

Benzene

Concen: 0.593 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL034331.D

Acq: 18 Oct 2019 00:40

Instrument :

MSVOA_L

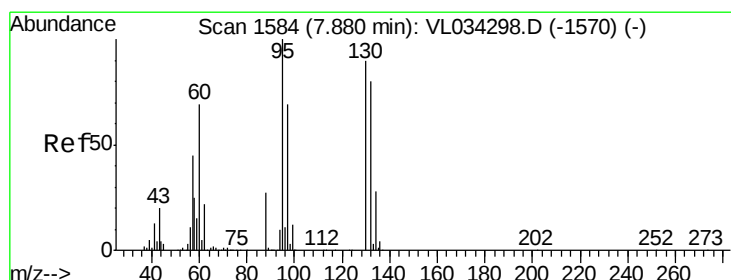
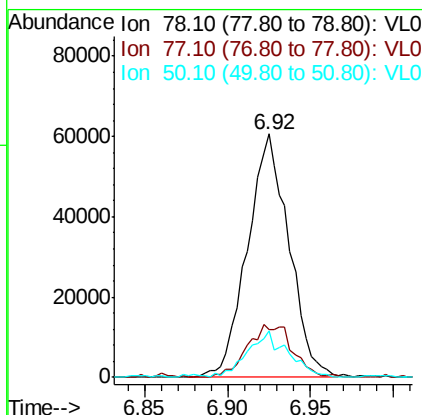
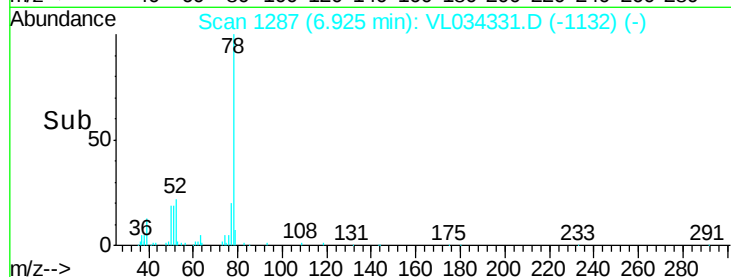
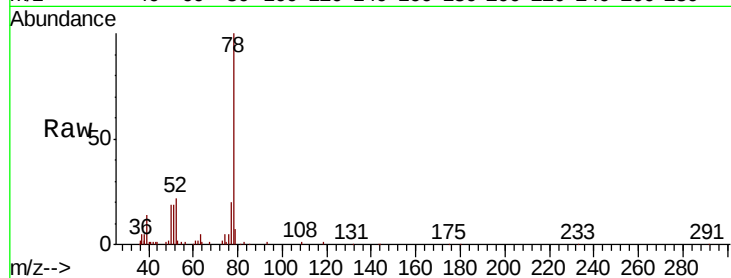
ClientSampleId :

SV3DL

Tot Ion:	78	Resp:	105537
Ion Ratio	Lower	Upper	
78	100		
77	19.3	19.0	28.4
50	19.1	18.6	27.8

Manual Integrations
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#38

Trichloroethene

Concen: 0.261 ppbv m

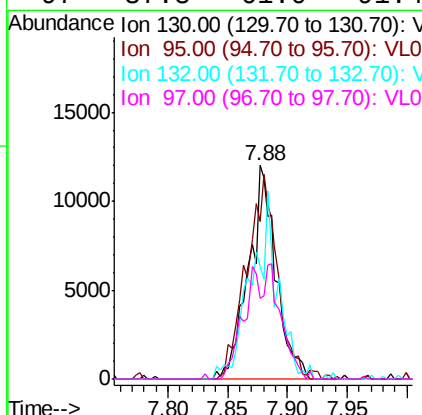
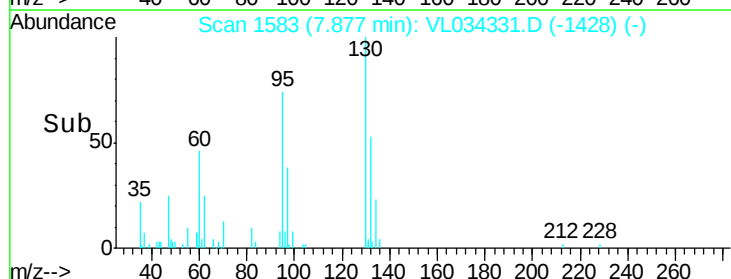
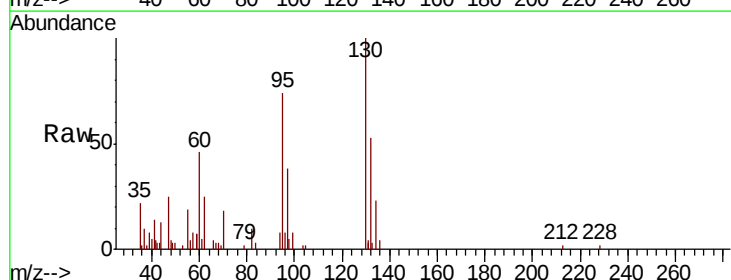
RT: 7.88 min Scan# 1583

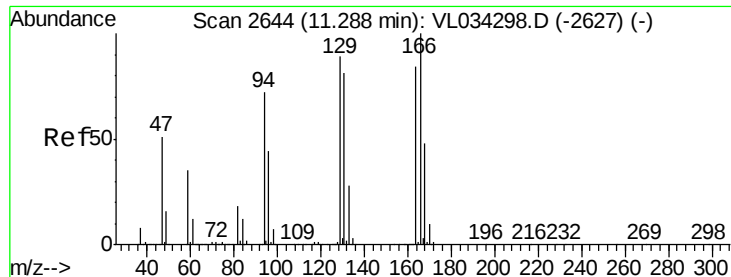
Delta R.T. -0.00 min

Lab File: VL034331.D

Acq: 18 Oct 2019 00:40

Tgt Ion:	130	Resp:	18620
Ion Ratio	Lower	Upper	
130	100		
95	73.8	88.6	132.8#
132	52.9	71.2	106.8#
97	37.8	61.0	91.4#





#52

Tetrachloroethene

Concen: 38.996 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. 0.01 min

Lab File: VL034331.D

Acq: 18 Oct 2019 00:40

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion:164 Resp: 2722515

Ion Ratio Lower Upper

164 100

166 120.9 95.3 142.9

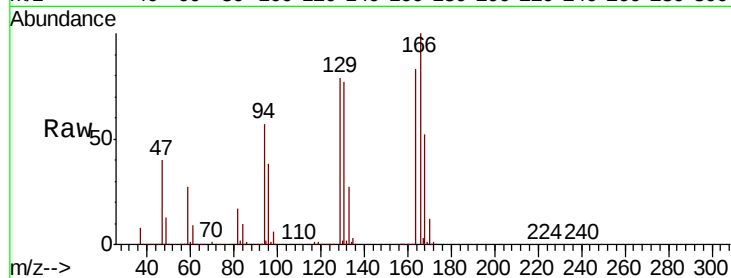
129 95.4 84.5 126.7

131 93.4 77.3 115.9

Manual Integrations
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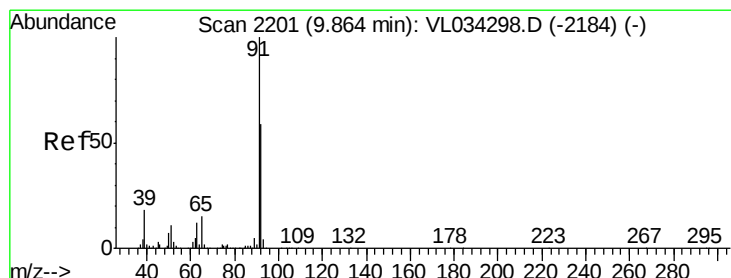
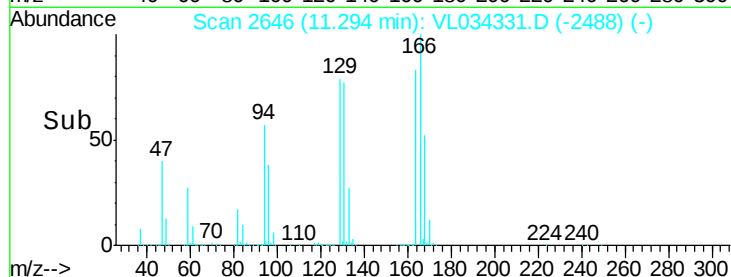
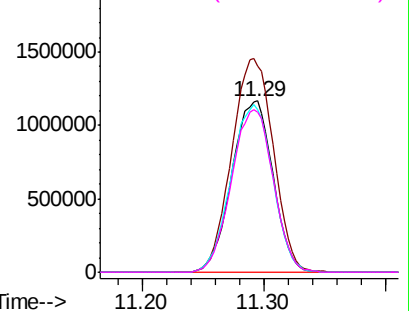


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.921 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034331.D

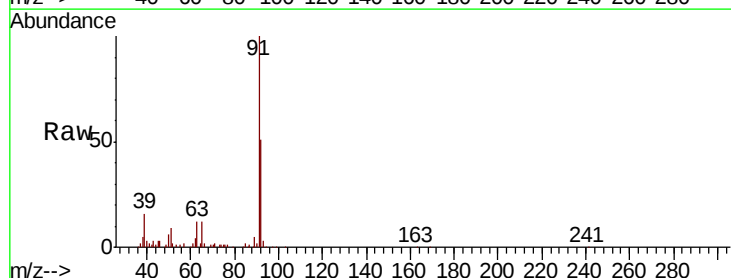
Acq: 18 Oct 2019 00:40

Tgt Ion: 91 Resp: 181073

Ion Ratio Lower Upper

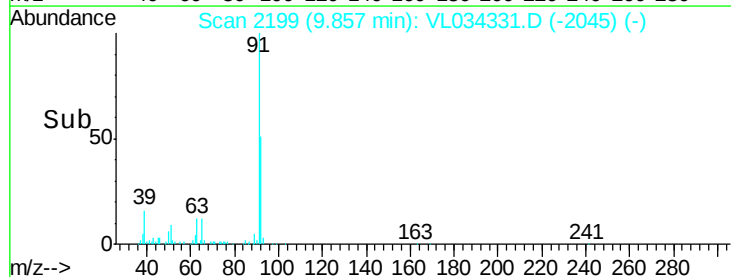
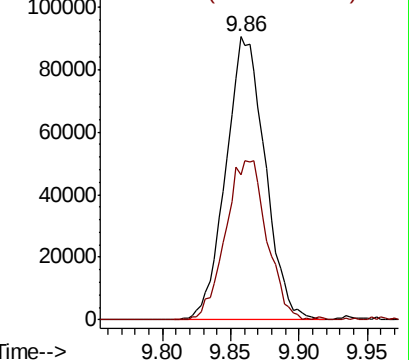
91 100

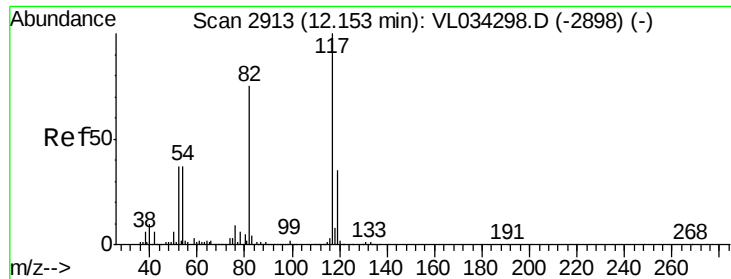
92 59.3 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





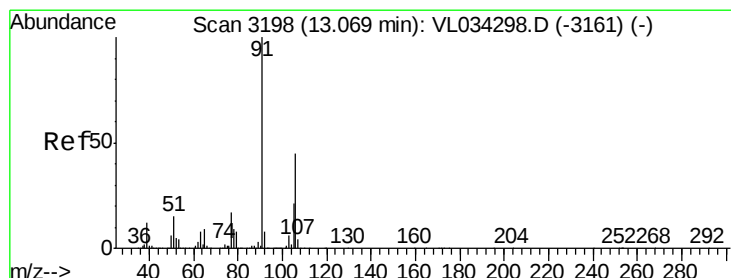
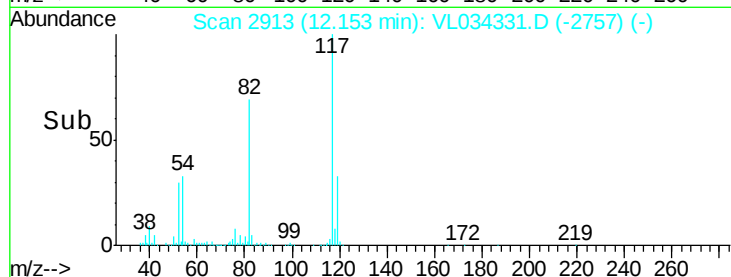
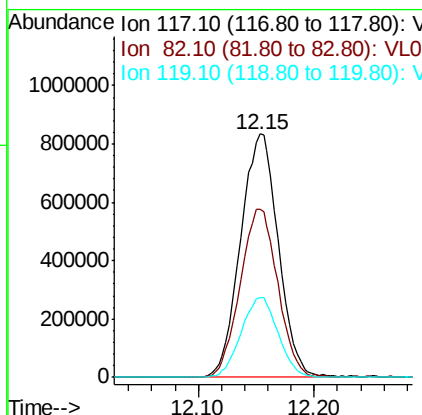
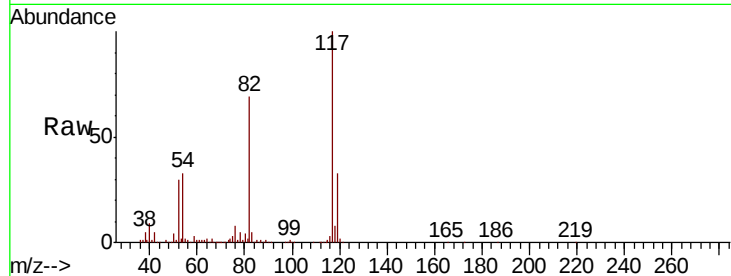
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034331.D
Acq: 18 Oct 2019 00:40

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.0	55.5	83.3
119	32.6	26.5	39.7

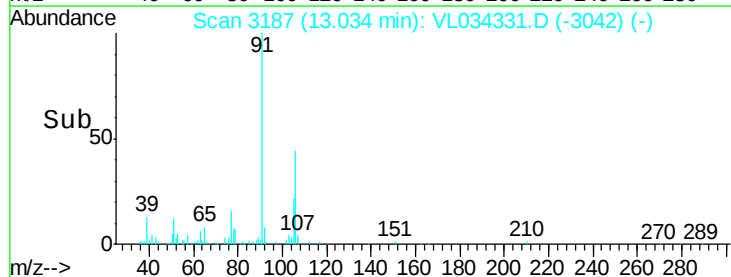
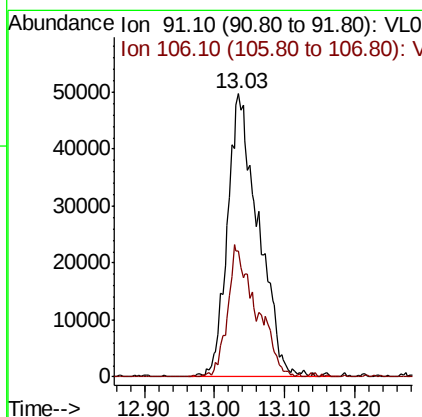
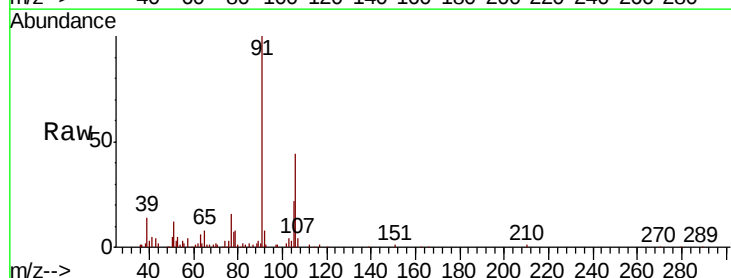
Manual Integrations
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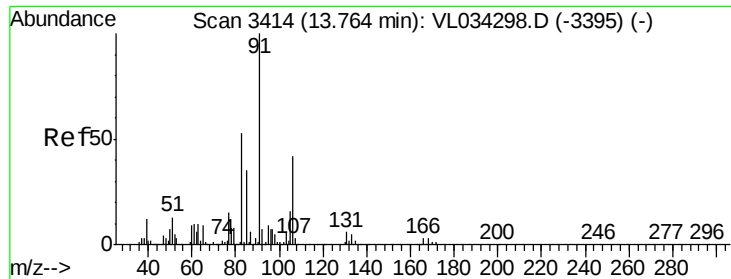
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#59
m/p-Xylene
Concen: 0.667 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VL034331.D
Acq: 18 Oct 2019 00:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#





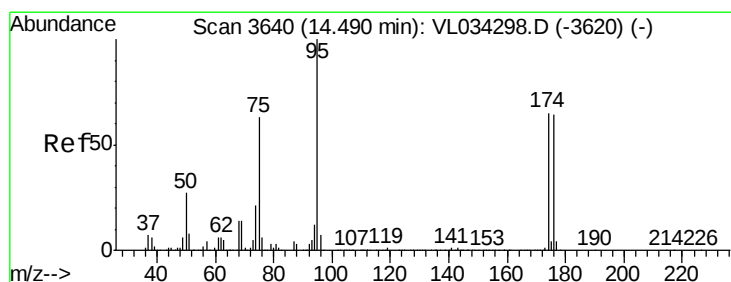
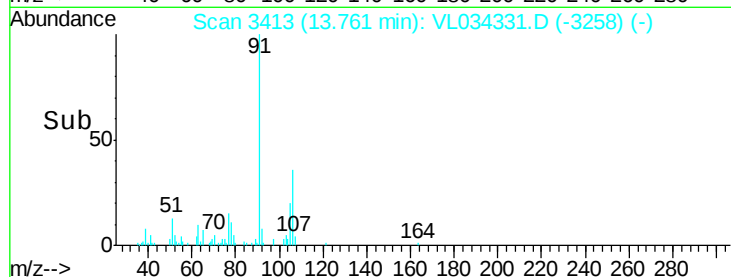
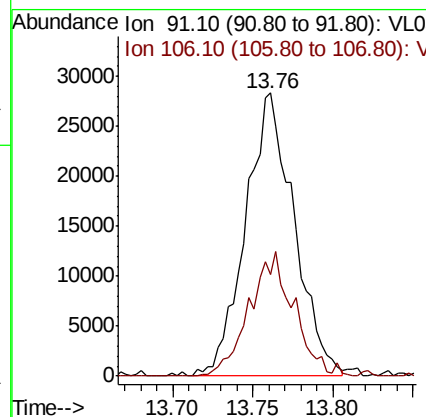
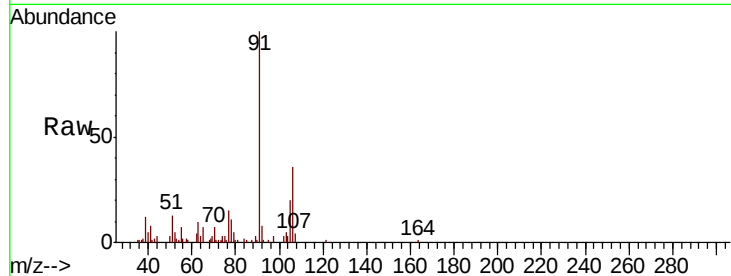
#60
o-Xylene
Concen: 0.259 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034331.D
Acq: 18 Oct 2019 00:40

Instrument :
MSVOA_L
ClientSampleID :
SV3DL

Tot Ion: 91 Resp: 58957
Ion Ratio Lower Upper
91 100
106 40.8 21.6 64.6

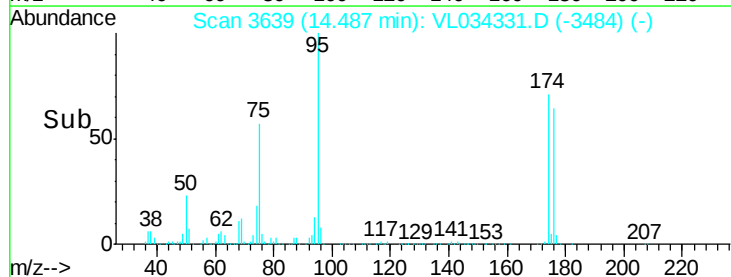
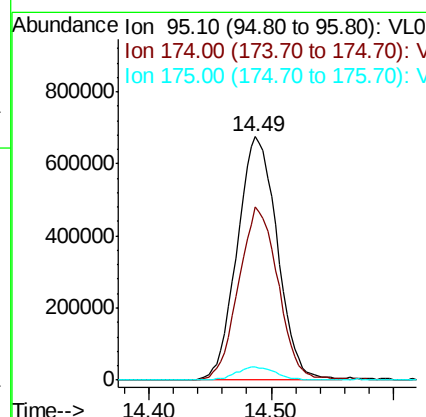
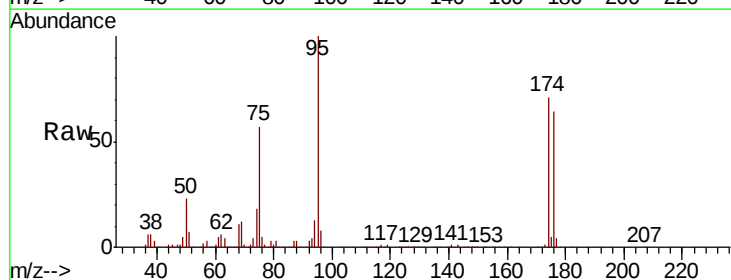
Manual Integrations
APPROVED

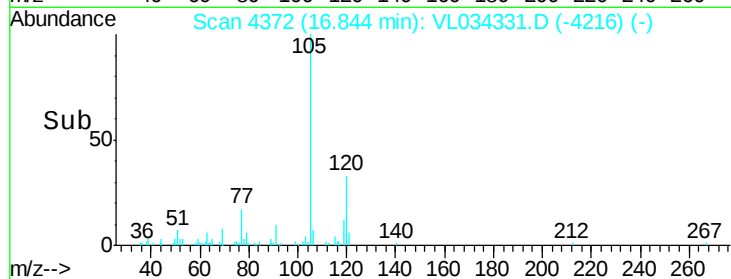
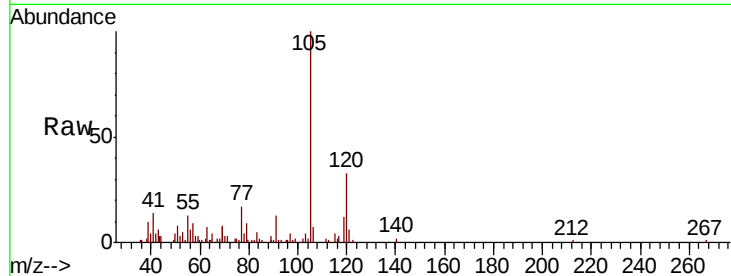
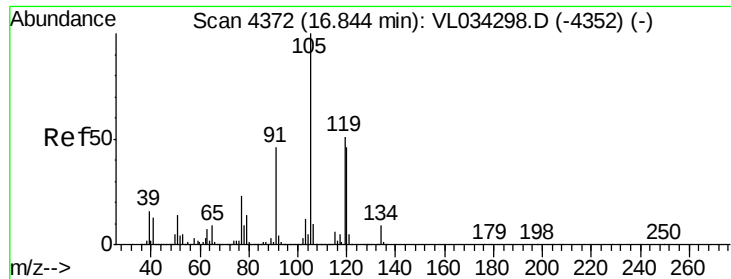
MMDadoda
10/22/2019 2:55:58 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.582 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VL034331.D
Acq: 18 Oct 2019 00:40

Tgt Ion: 95 Resp: 1531624
Ion Ratio Lower Upper
95 100
174 70.8 52.6 78.8
175 5.5 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.313 ppbv m
 RT: 16.84 min Scan# 4372
 Delta R.T. 0.00 min
 Lab File: VL034331.D
 Acq: 18 Oct 2019 00:40

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	32.6	37.0	55.6#
91	12.8	38.2	57.2#
77	16.5	19.0	28.4#

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:55:58 PM

