

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034274.D
 Acq On : 9 Oct 2019 11:18
 Operator : SY/AP
 Sample : K5243-01DL2 100X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
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 10/11/2019 5:08:43 PM

Quant Time: Oct 10 02:24:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18
 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	5.68	49	1022950	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.20	114	1890008	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.15	117	1940786	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.48	95	1696730	10.06	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.99	41	12495m	0.211	ppbv	
10) Heptane	8.15	43	24922m	0.162	ppbv	
13) Ethanol	3.60	45	13298m	0.928	ppbv	
15) Acetone	3.84	43	847233	6.180	ppbv	96
19) Isopropyl Alcohol	3.96	45	687919	8.159	ppbv #	99
26) Hexane	5.70	57	88358	0.819	ppbv #	41
34) 2-Butanone	5.26	43	66854	0.346	ppbv	100
38) Trichloroethene	7.87	130	146924	1.970	ppbv	94
52) Tetrachloroethene	11.28	164	1103877	16.006	ppbv	95
53) Toluene	9.85	91	38057	0.167	ppbv	97
59) m/p-Xylene	13.03	91	51563m	0.199	ppbv	

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

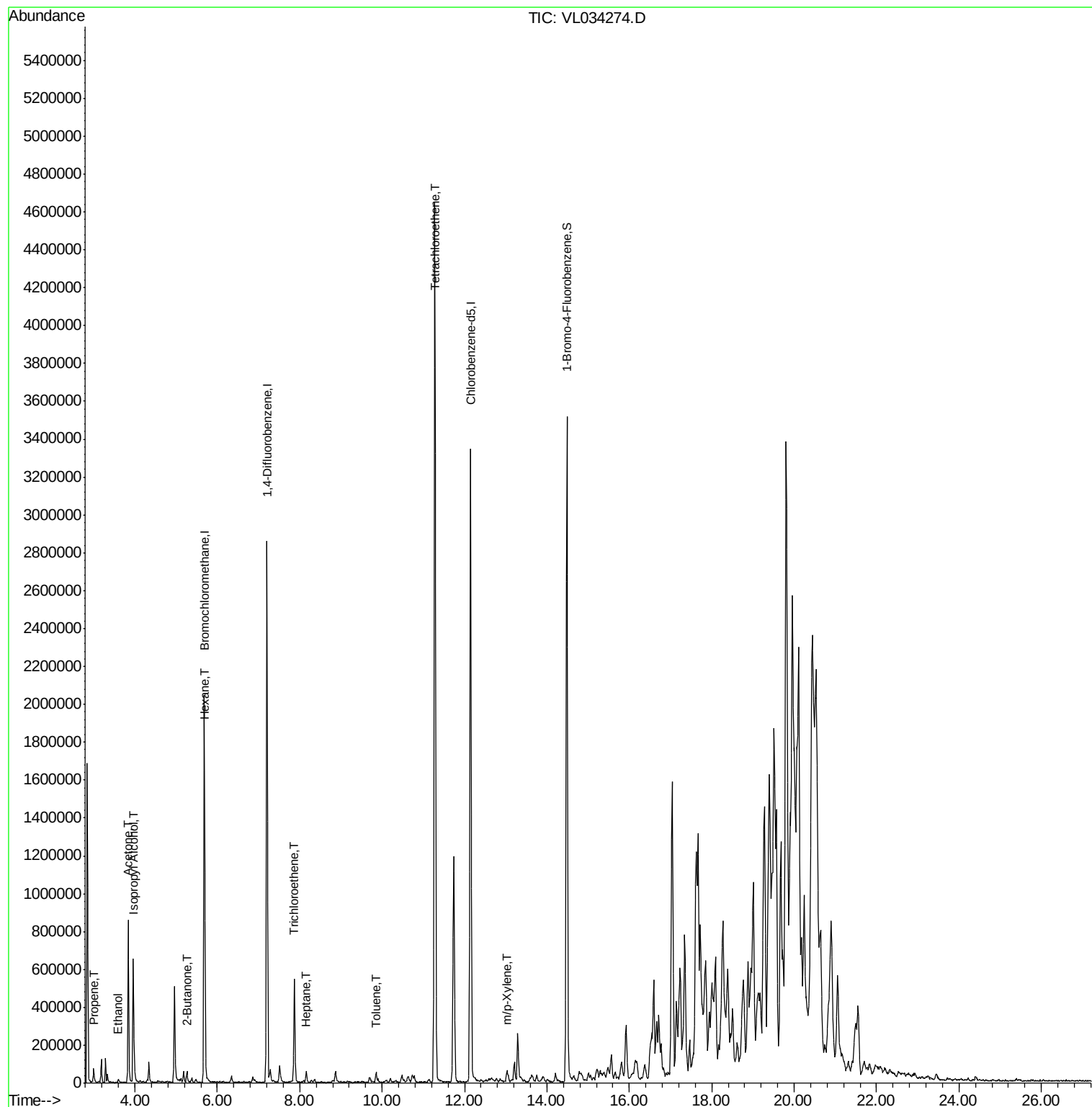
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034274.D
Acq On : 9 Oct 2019 11:18
Operator : SY/AP
Sample : K5243-01DL2 100X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

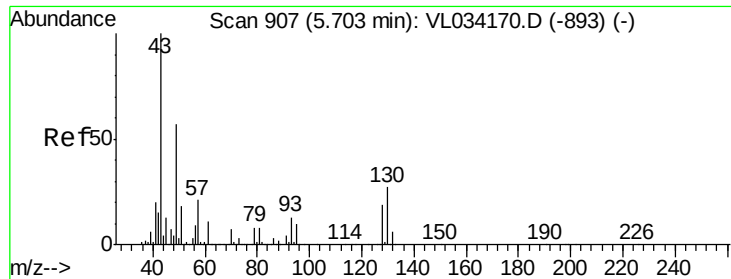
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

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Quant Time: Oct 10 02:24:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.02 min

Lab File: VL034274.D

Acq: 9 Oct 2019 11:18

Instrument :

MSVOA_L

ClientSampled :

SV1DL2

Tgt Ion: 49 Resp: 1022950

Ion Ratio Lower Upper

49 100

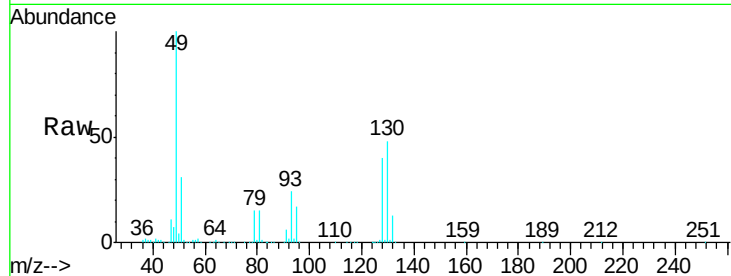
128 38.0 17.6 52.9

130 48.4 22.3 66.9

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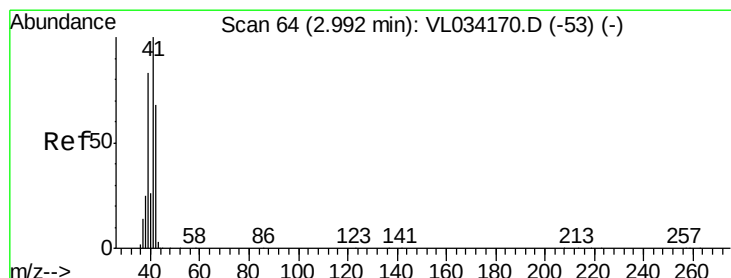
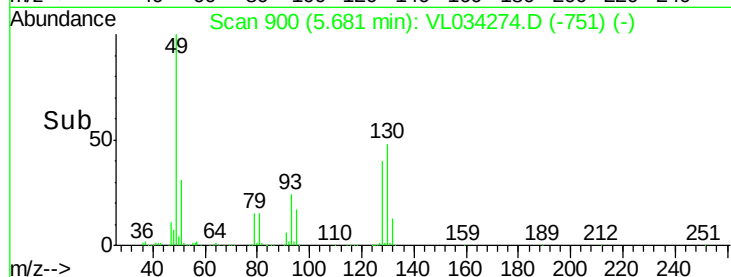
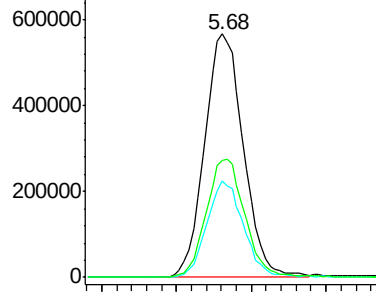
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.211 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL034274.D

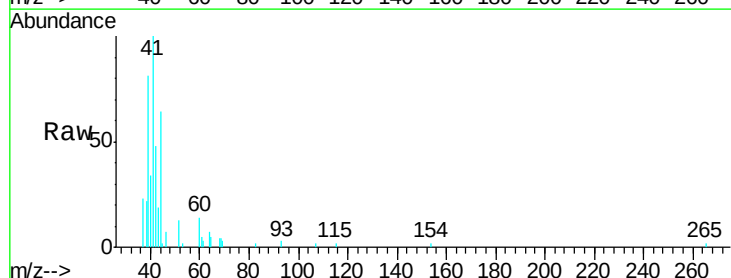
Acq: 9 Oct 2019 11:18

Tgt Ion: 41 Resp: 12495

Ion Ratio Lower Upper

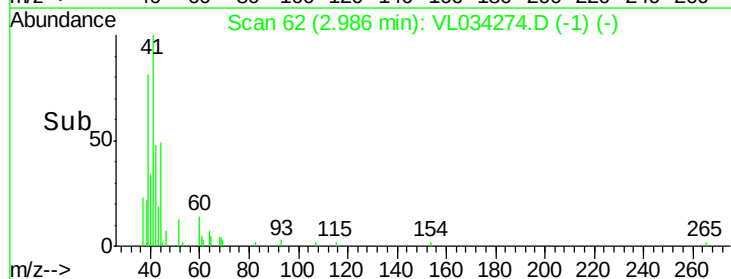
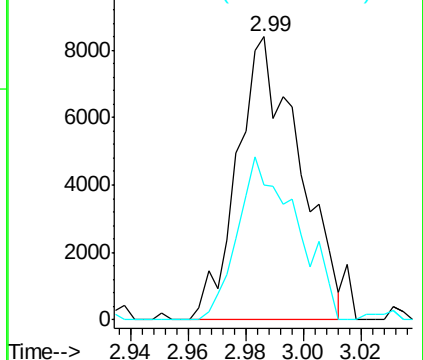
41 100

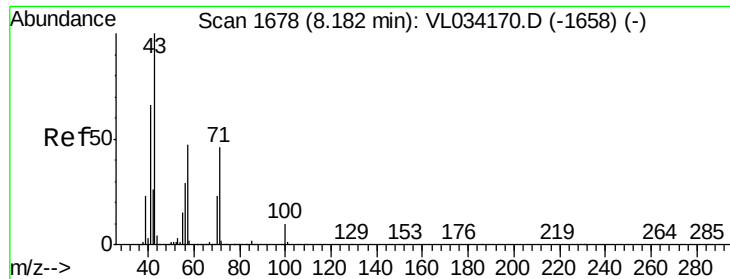
42 55.4 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





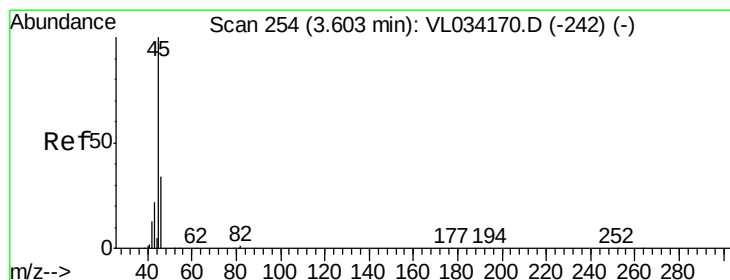
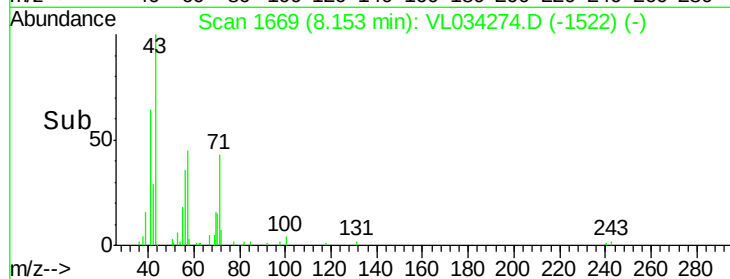
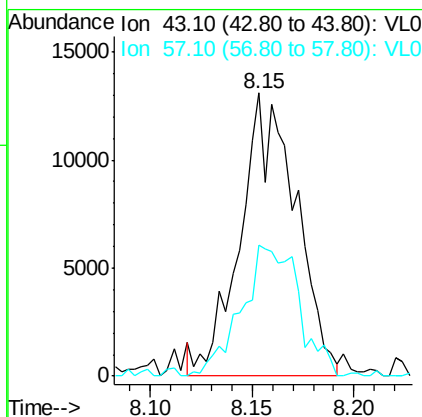
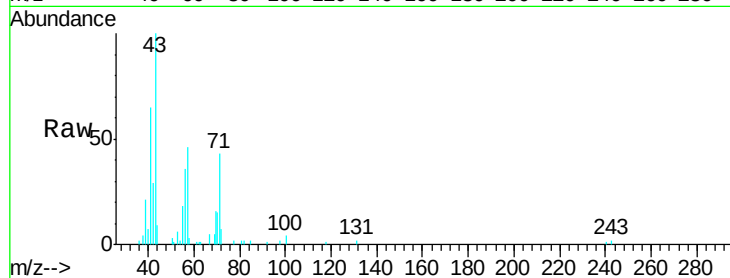
#10
Heptane
Concen: 0.162 ppbv m
RT: 8.15 min Scan# 1669
Delta R.T. -0.03 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 43 Resp: 24922
Ion Ratio Lower Upper
43 100
57 47.6 37.5 56.3

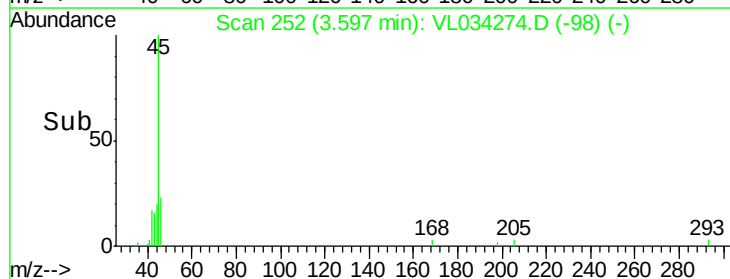
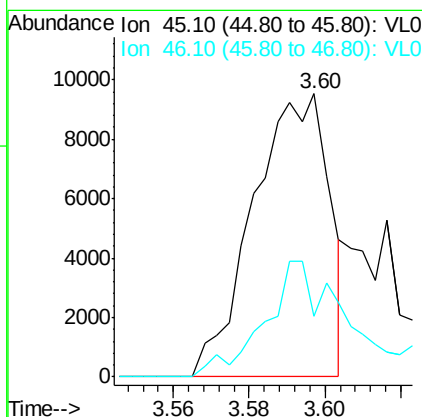
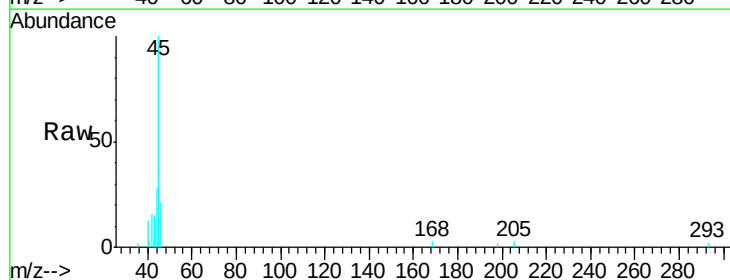
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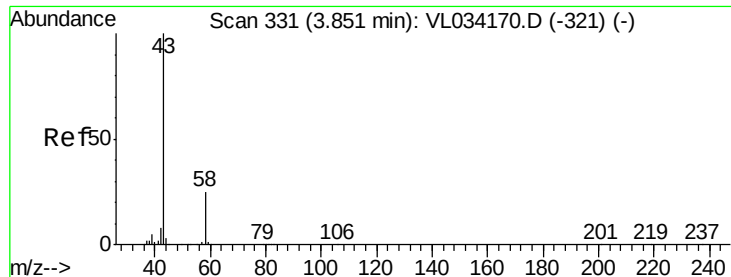
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#13
Ethanol
Concen: 0.928 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Tgt Ion: 45 Resp: 13298
Ion Ratio Lower Upper
45 100
46 45.2 15.5 61.9





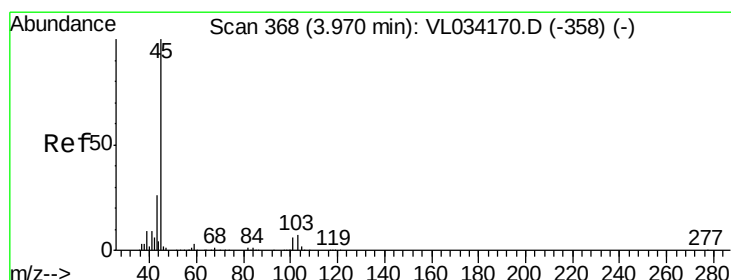
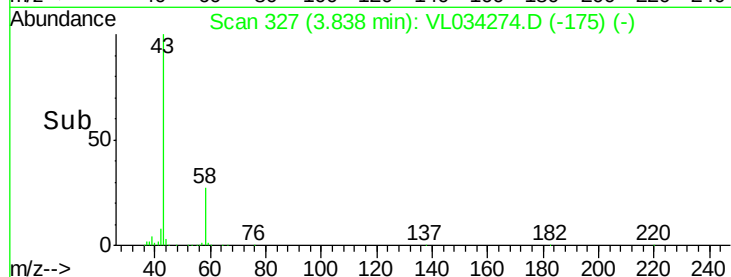
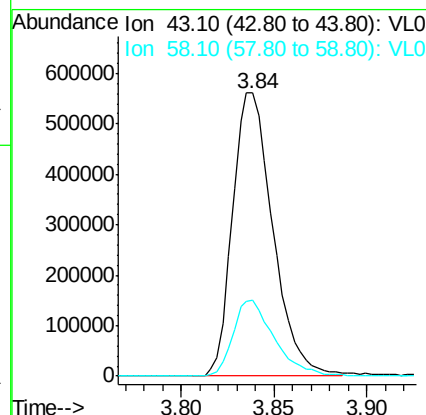
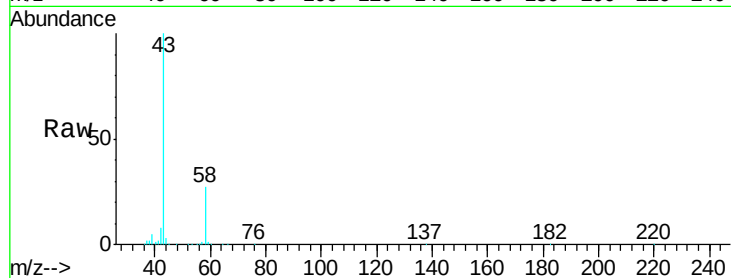
#15
Acetone
Concen: 6.180 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 43 Resp: 847233
Ion Ratio Lower Upper
43 100
58 27.6 20.5 30.7

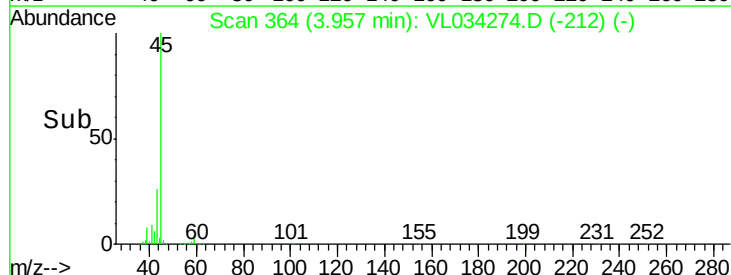
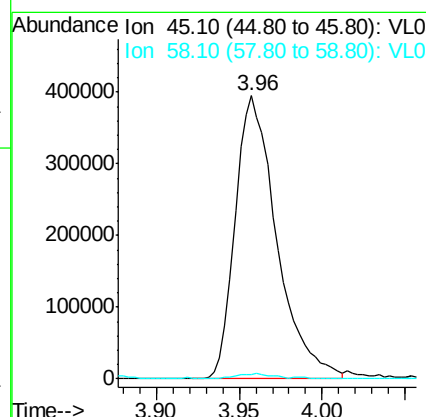
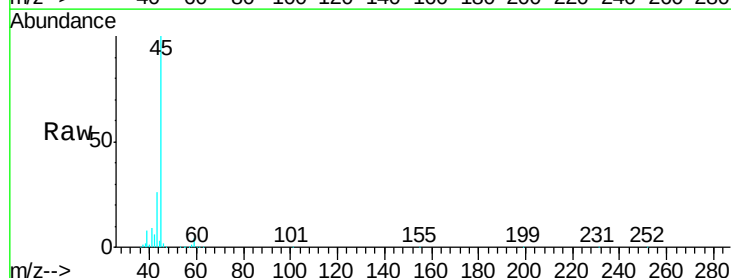
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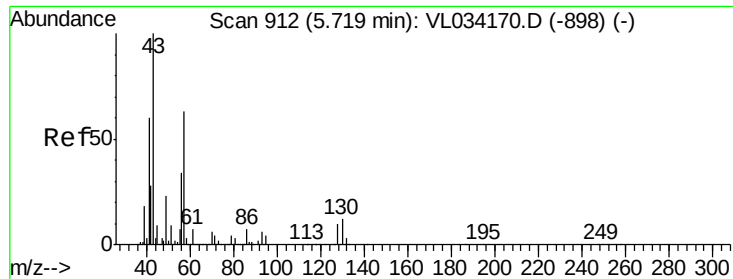
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#19
Isopropyl Alcohol
Concen: 8.159 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Tgt Ion: 45 Resp: 687919
Ion Ratio Lower Upper
45 100
58 2.1 1.4 2.0#





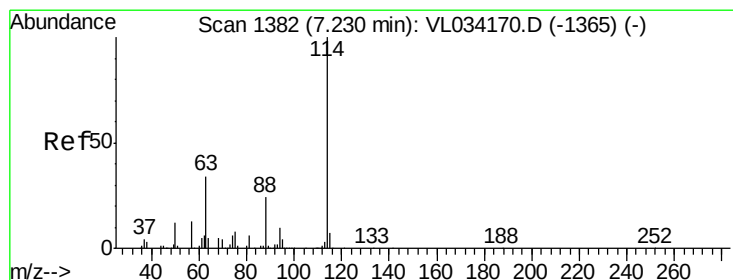
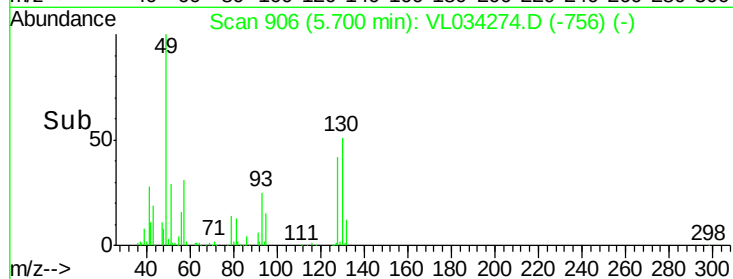
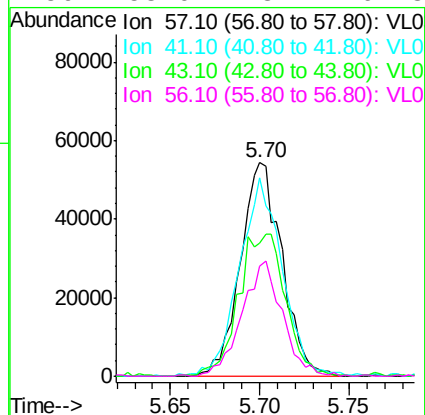
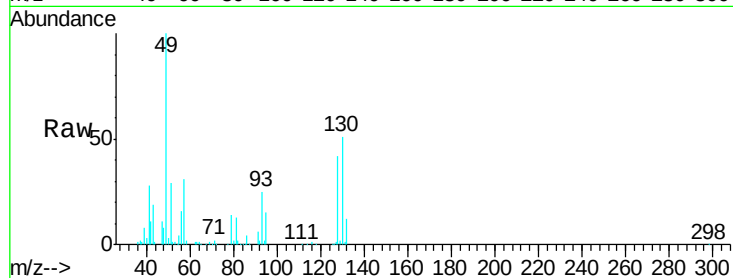
#26
Hexane
Concen: 0.819 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.02 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.5	78.5	117.7
43	75.8	189.5	284.3#
56	53.0	43.2	64.8

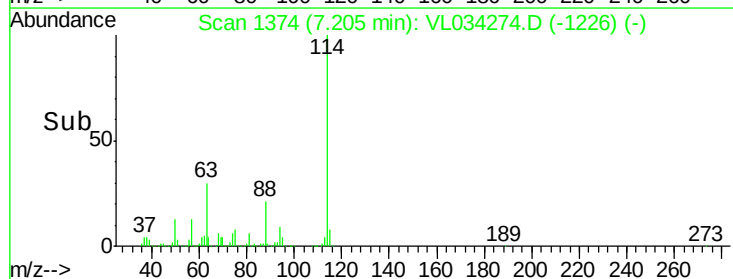
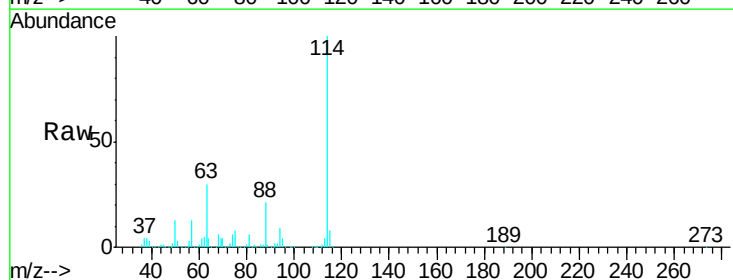
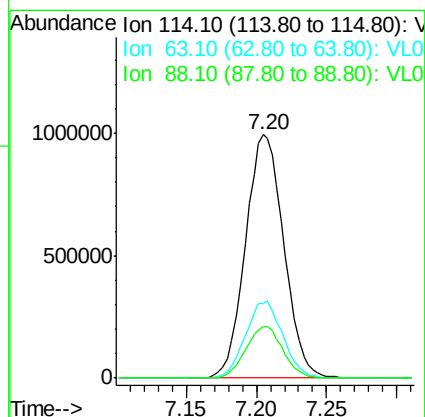
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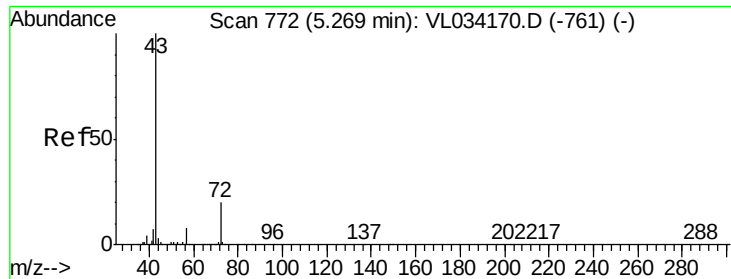
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. -0.03 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.1	27.8	41.6
88	20.6	17.1	25.7





#34

2-Butanone

Concen: 0.346 ppbv

RT: 5.26 min Scan# 769

Delta R.T. -0.01 min

Lab File: VL034274.D

Acq: 9 Oct 2019 11:18

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tgt Ion: 43 Resp: 66854

Ion Ratio Lower Upper

43 100

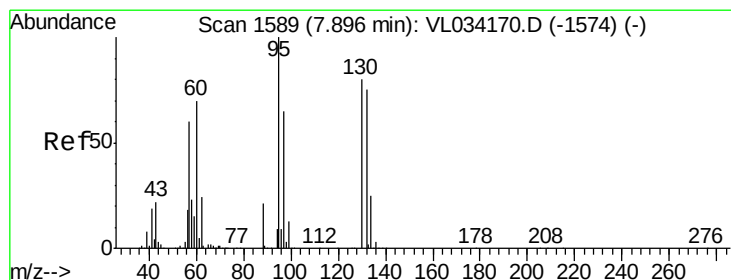
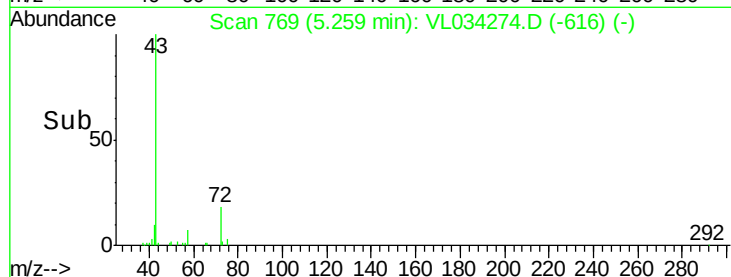
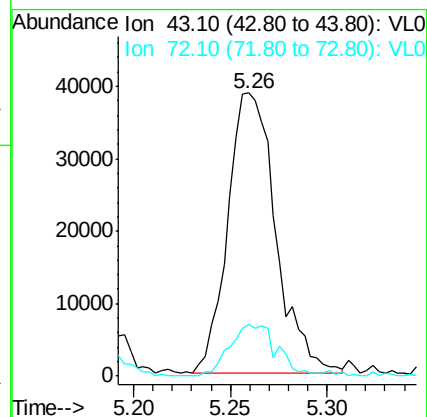
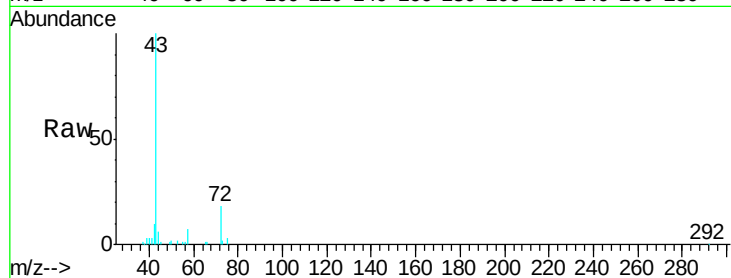
72 18.7 15.0 22.6

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#38

Trichloroethene

Concen: 1.970 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.03 min

Lab File: VL034274.D

Acq: 9 Oct 2019 11:18

Tgt Ion: 130 Resp: 146924

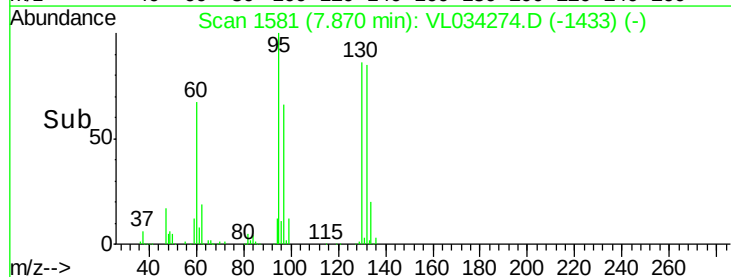
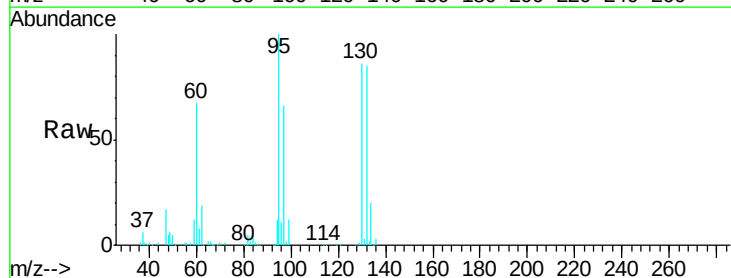
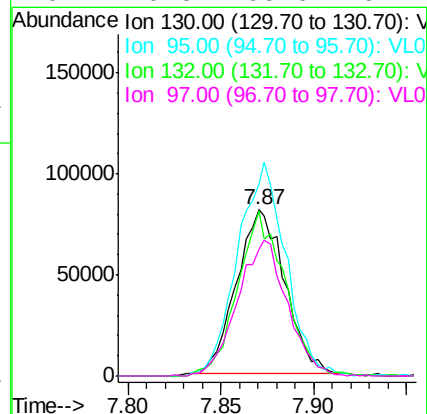
Ion Ratio Lower Upper

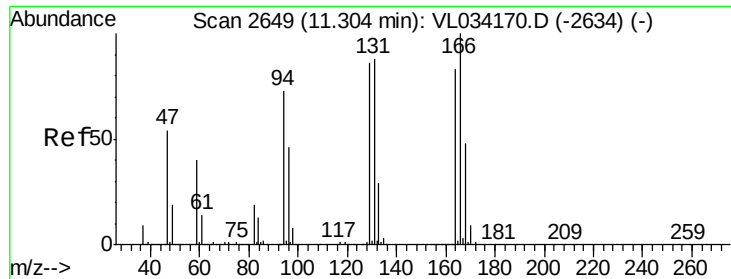
130 100

95 116.5 99.8 149.6

132 99.0 75.2 112.8

97 76.3 65.0 97.4





#52

Tetrachloroethene

Concen: 16.006 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. -0.02 min

Lab File: VL034274.D

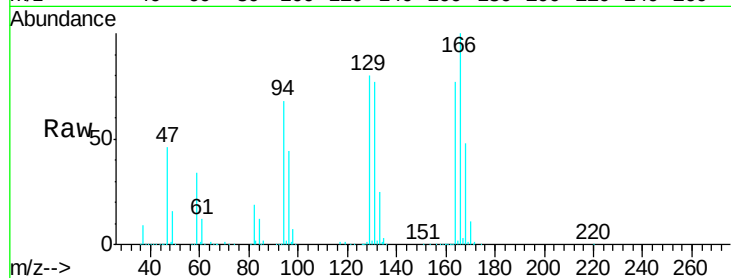
Acq: 9 Oct 2019 11:18

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2



Tgt Ion:164 Resp: 1103877

Ion Ratio Lower Upper

164 100

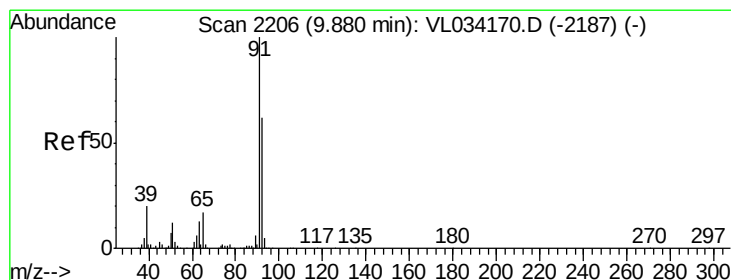
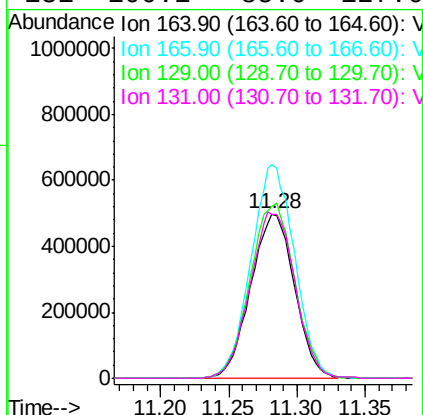
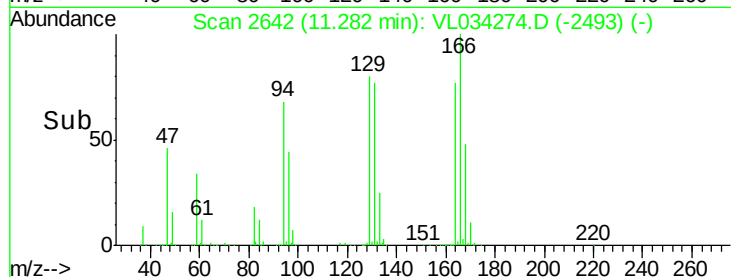
166 130.1 96.7 145.1

129 104.4 82.8 124.2

131 100.1 85.0 127.6

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#53

Toluene

Concen: 0.167 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. -0.03 min

Lab File: VL034274.D

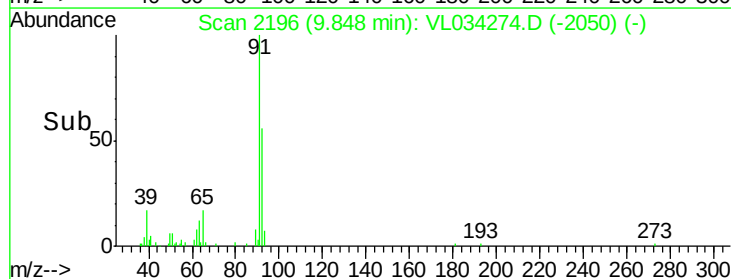
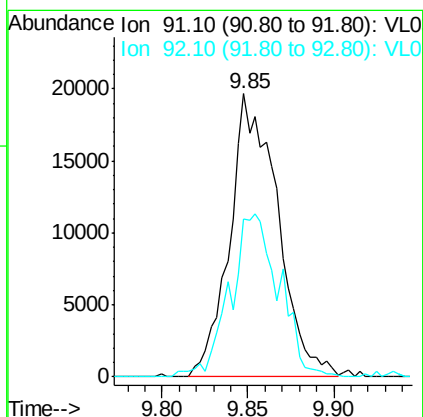
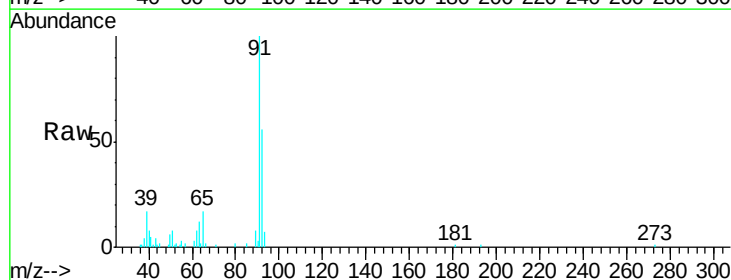
Acq: 9 Oct 2019 11:18

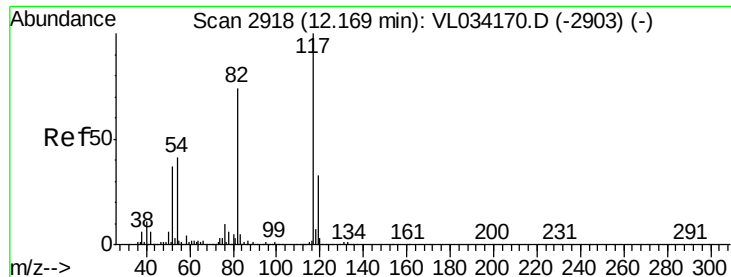
Tgt Ion: 91 Resp: 38057

Ion Ratio Lower Upper

91 100

92 58.9 49.0 73.6





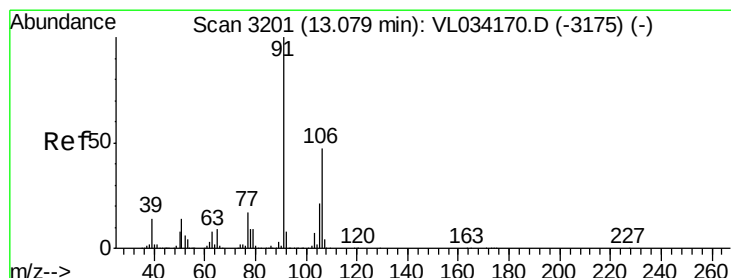
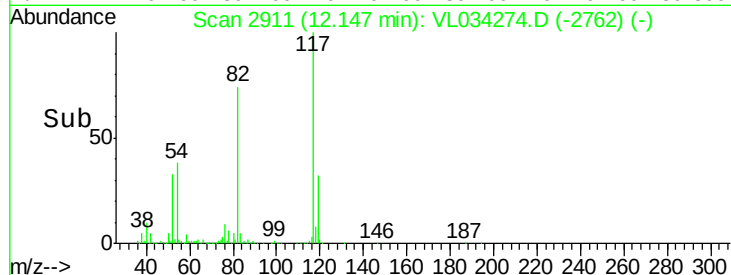
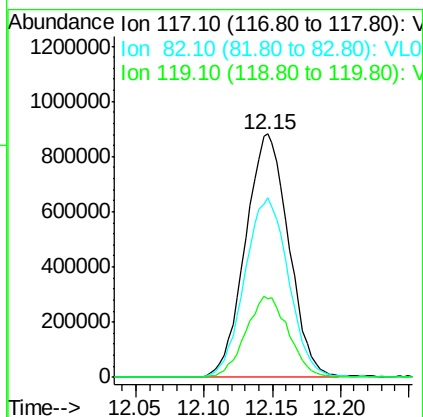
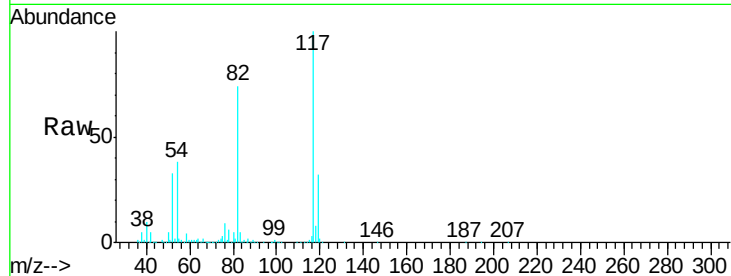
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.02 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tgt Ion: 117 Resp: 1940786
Ion Ratio Lower Upper
117 100
82 75.5 58.2 87.4
119 33.2 23.7 35.5

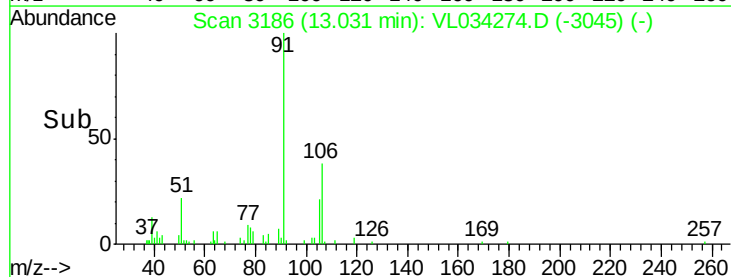
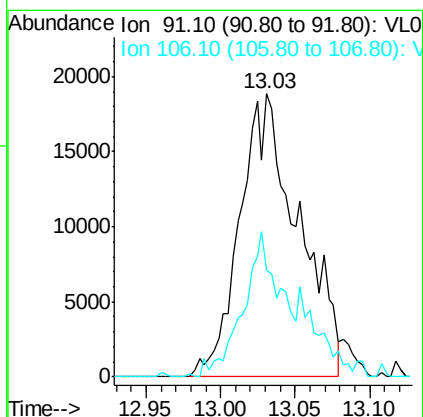
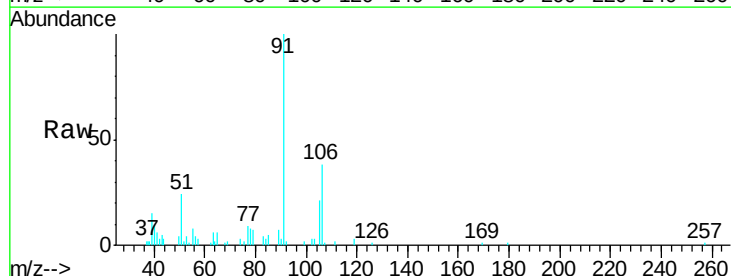
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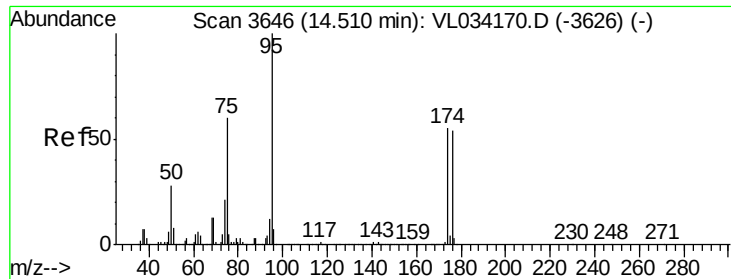
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#59
m/p-Xylene
Concen: 0.199 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. -0.05 min
Lab File: VL034274.D
Acq: 9 Oct 2019 11:18

Tgt Ion: 91 Resp: 51563
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.061 ppbv
 RT: 14.48 min Scan# 3637
 Delta R.T. -0.03 min
 Lab File: VL034274.D
 Acq: 9 Oct 2019 11:18

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tgt Ion	Ratio	Lower	Upper
95	100		
174	59.8	45.1	67.7
175	4.5	3.3	4.9

Manual Integrations
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