

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037628.D
 Acq On : 16 Sep 2021 23:23
 Operator : SY/AP
 Sample : M3780-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
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 9/20/2021 5:27:30 PM

Quant Time: Sep 17 10:13:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1606380	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4500916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3866443	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2797868	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	15102	0.135	ppbv	93
9) Propene	3.01	41	159152m	1.489	ppbv	
13) Ethanol	3.60	45	18582985	1777.522	ppbv	98
15) Acetone	3.84	43	1313211	7.868	ppbv	99
19) Isopropyl Alcohol	3.96	45	2885567	31.775	ppbv #	93
29) Chloroform	5.73	83	201116	0.717	ppbv	92
34) 2-Butanone	5.23	43	98102m	0.536	ppbv	
36) Benzene	6.87	78	40330m	0.107	ppbv	
53) Toluene	9.78	91	199094m	0.477	ppbv	
59) m/p-Xylene	12.94	91	170970m	0.382	ppbv	
60) o-Xylene	13.67	91	65914m	0.155	ppbv	
61) Styrene	13.51	104	23164m	0.110	ppbv	

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

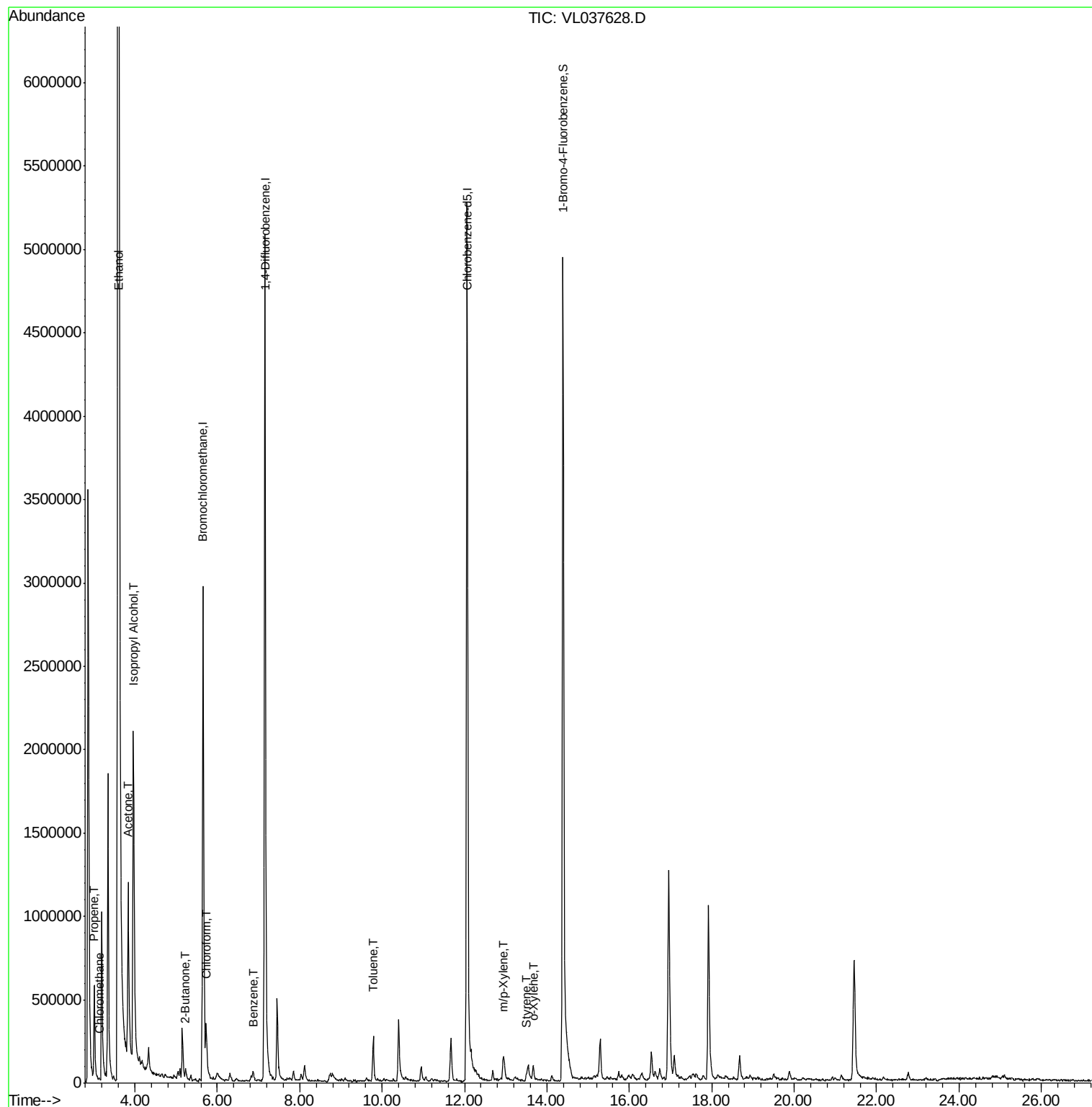
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
Data File : VL037628.D
Acq On : 16 Sep 2021 23:23
Operator : SY/AP
Sample : M3780-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

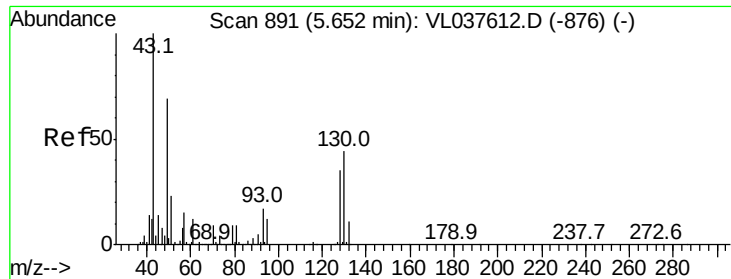
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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Quant Time: Sep 17 10:13:15 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037628.D

Acq: 16 Sep 2021 23:23

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 49 Resp: 1606380

Ion Ratio Lower Upper

49 100

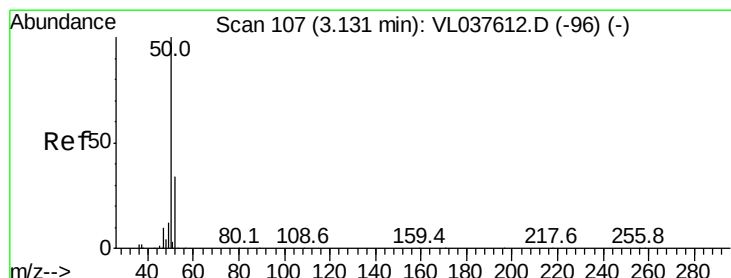
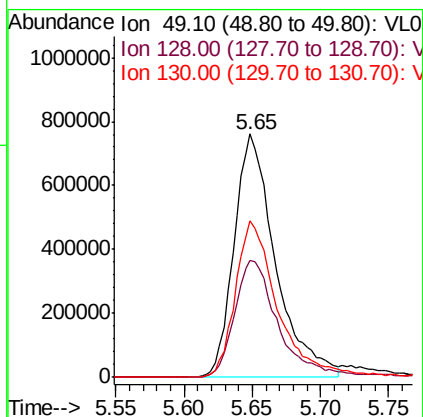
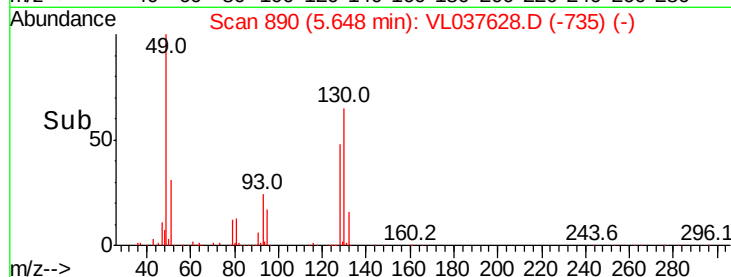
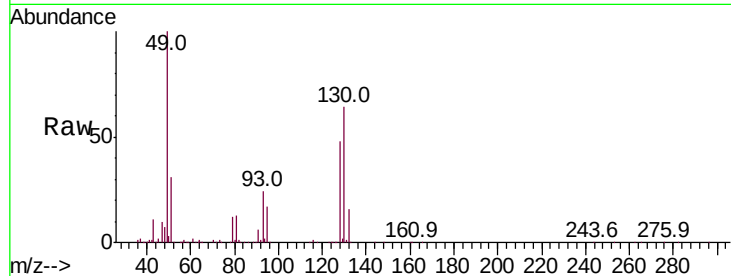
128 51.7 27.9 83.6

130 67.4 33.9 101.7

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#4

Chloromethane

Concen: 0.135 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037628.D

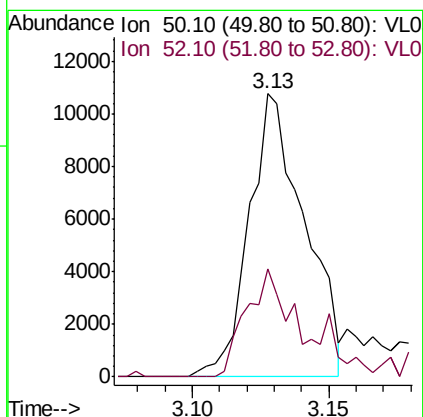
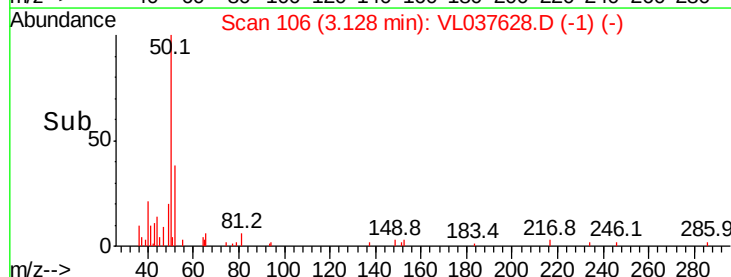
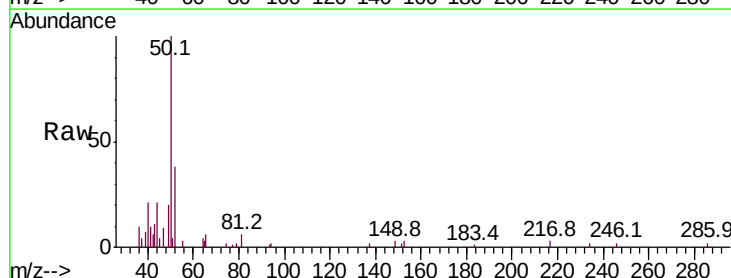
Acq: 16 Sep 2021 23:23

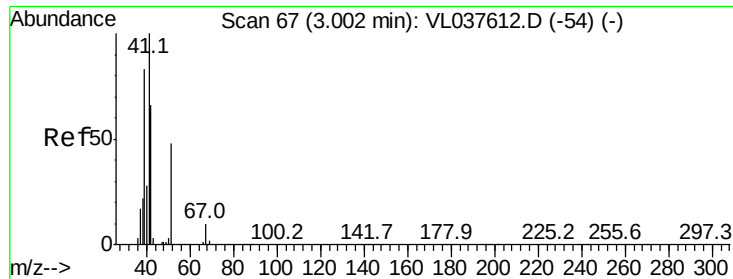
Tgt Ion: 50 Resp: 15102

Ion Ratio Lower Upper

50 100

52 38.0 27.1 40.7





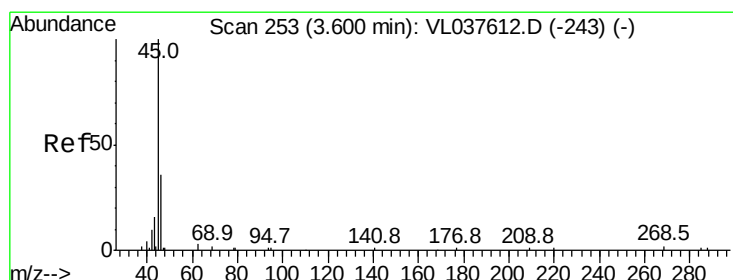
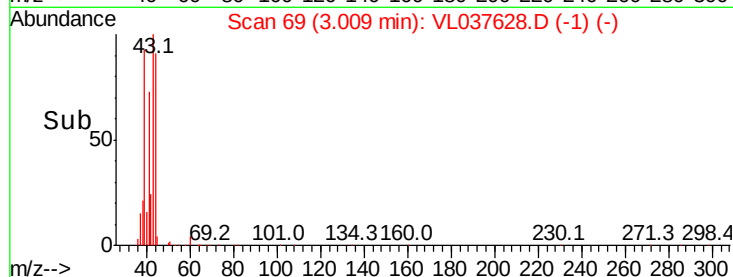
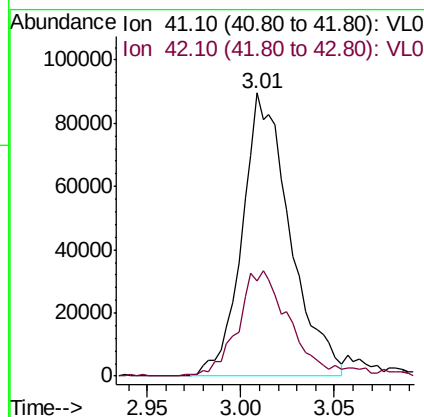
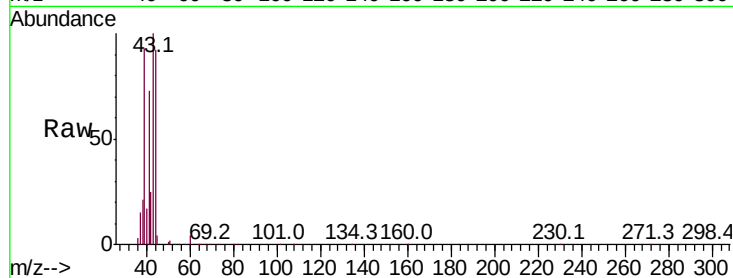
#9
 Propene
 Concen: 1.489 ppbv m
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037628.D
 Acq: 16 Sep 2021 23:23

Instrument :
 MSVOA_L
 ClientSampled :
 IA1DL

Tot Ion: 41 Resp: 159152
 Ion Ratio Lower Upper
 41 100
 42 0.0 57.2 85.8#

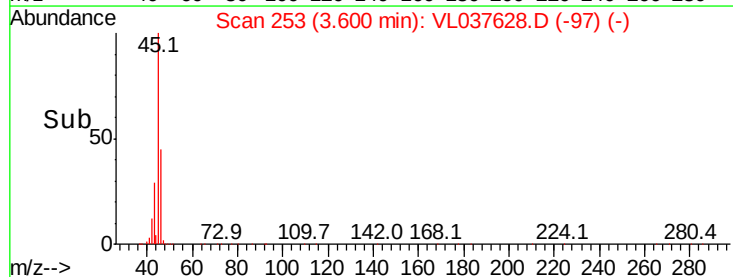
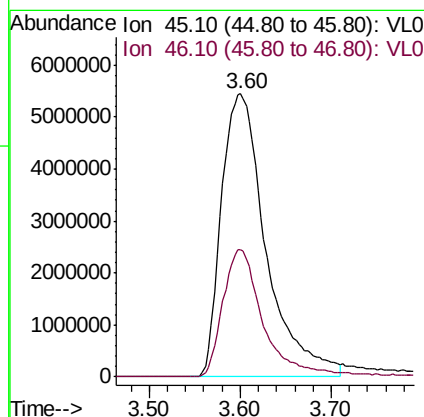
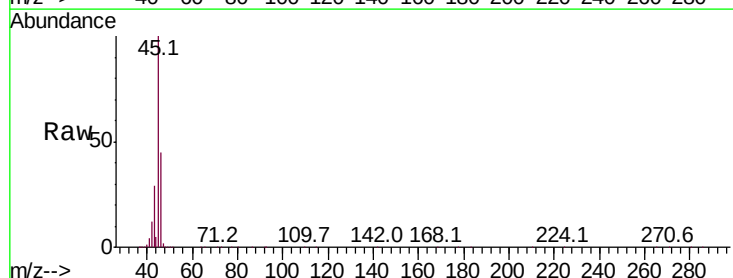
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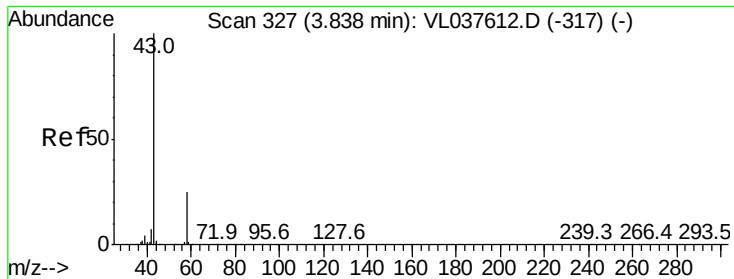
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#13
 Ethanol
 Concen: 1777.522 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VL037628.D
 Acq: 16 Sep 2021 23:23

Tgt Ion: 45 Resp: 18582985
 Ion Ratio Lower Upper
 45 100
 46 42.0 17.2 68.8





#15

Acetone

Concen: 7.868 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037628.D

Acq: 16 Sep 2021 23:23

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 43 Resp: 1313211

Ion Ratio Lower Upper

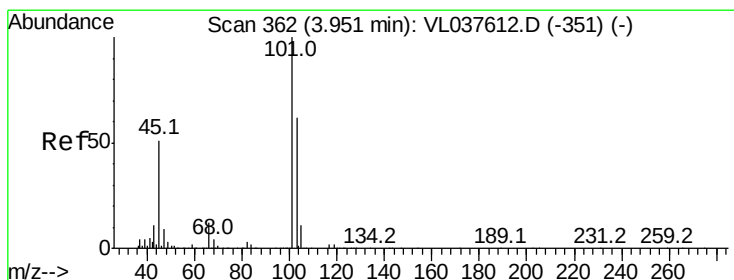
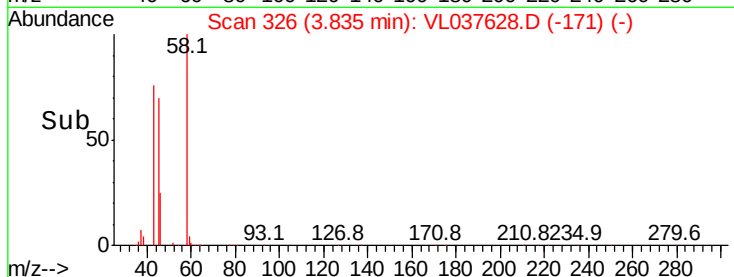
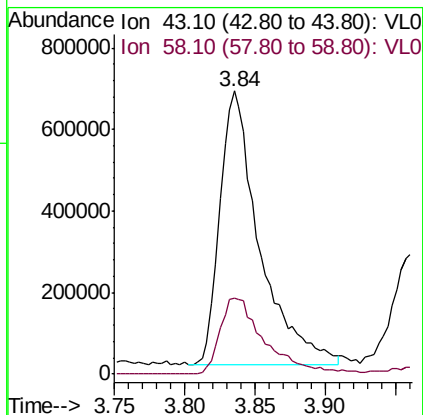
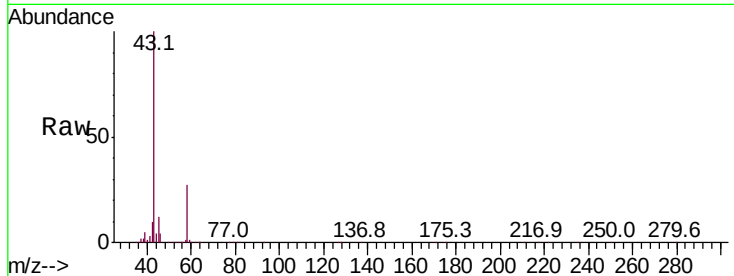
43 100

58 31.7 24.9 37.3

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#19

Isopropyl Alcohol

Concen: 31.775 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037628.D

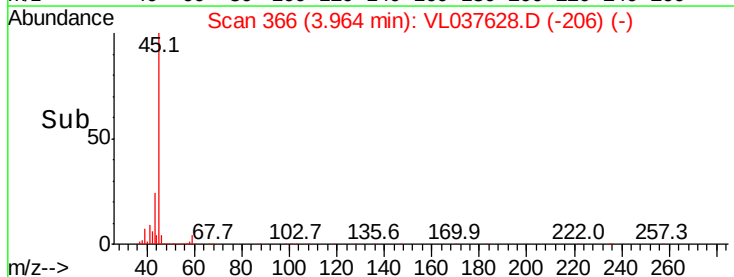
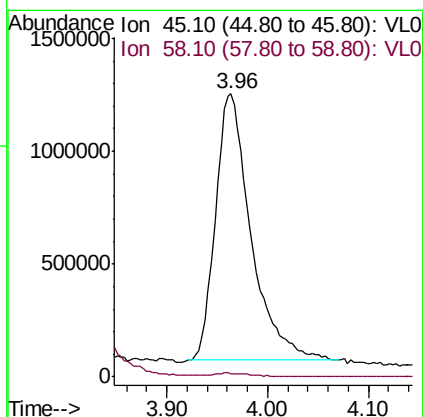
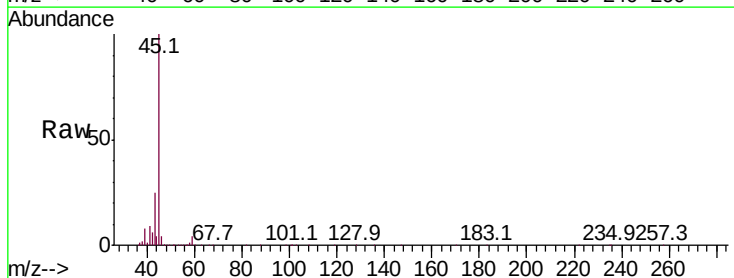
Acq: 16 Sep 2021 23:23

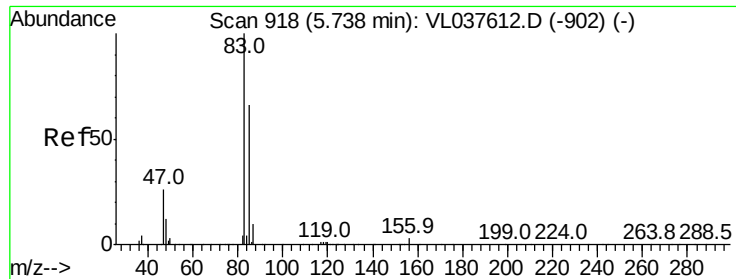
Tgt Ion: 45 Resp: 2885567

Ion Ratio Lower Upper

45 100

58 1.3 2.9 4.3#





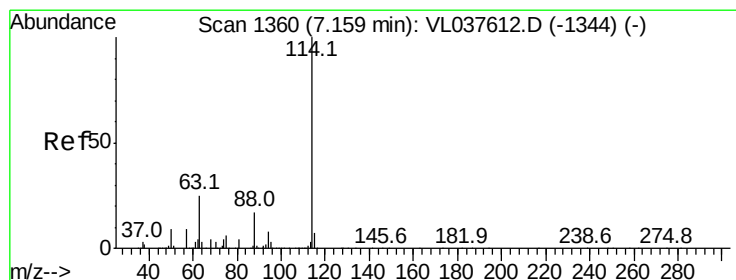
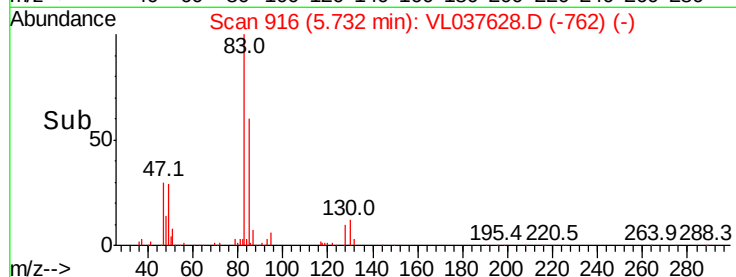
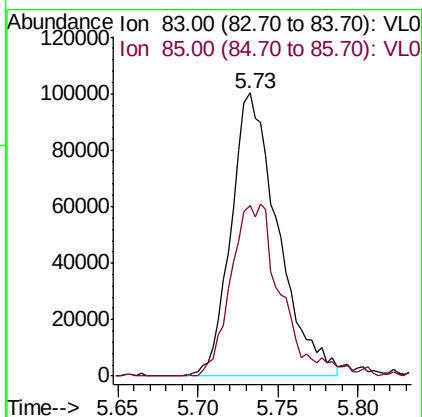
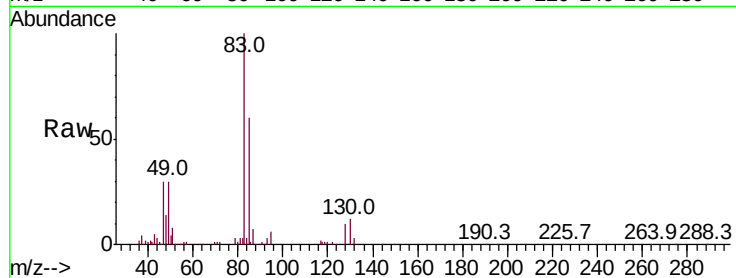
#29
Chloroform
Concen: 0.717 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	Ratio	Resp	Lower	Upper
83	100	201116		
85	59.7	52.6	79.0	

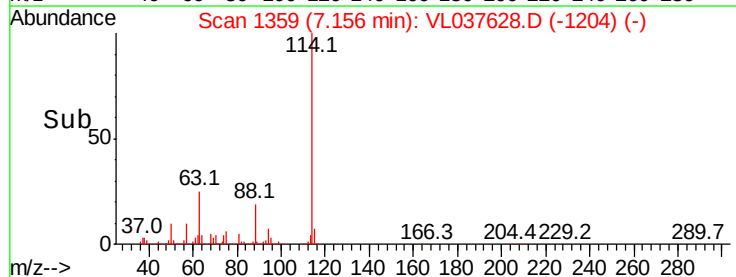
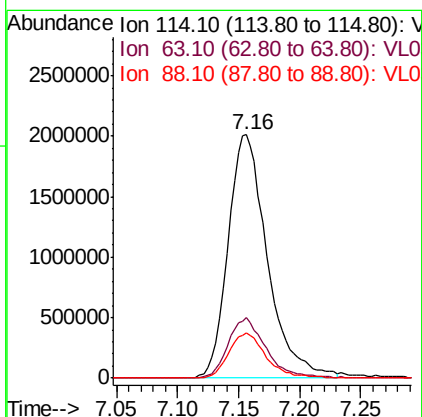
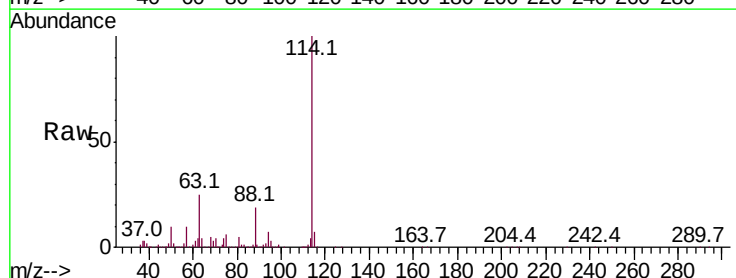
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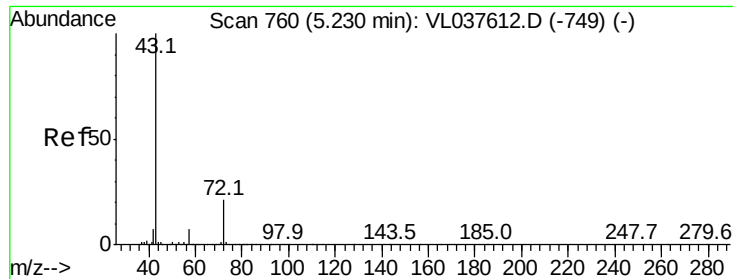
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	4500916		
63	24.1	19.6	29.4	
88	18.1	14.2	21.4	





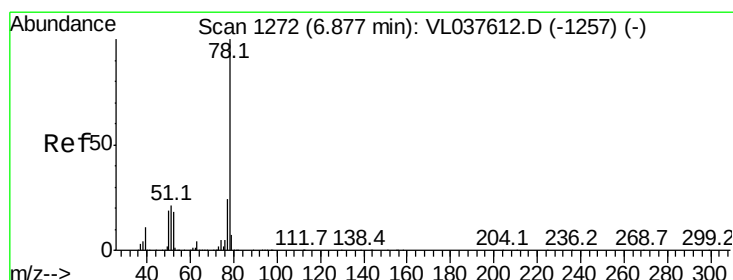
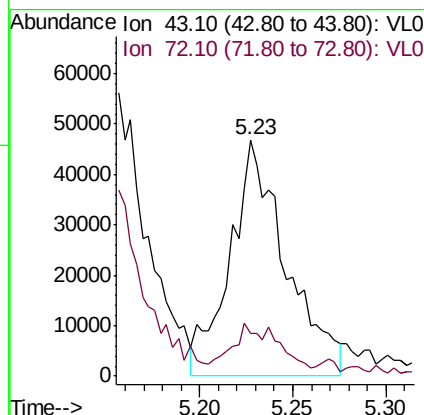
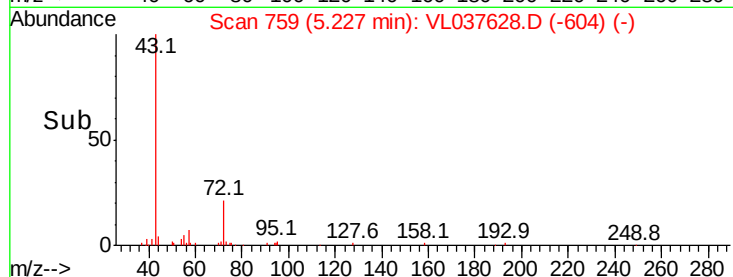
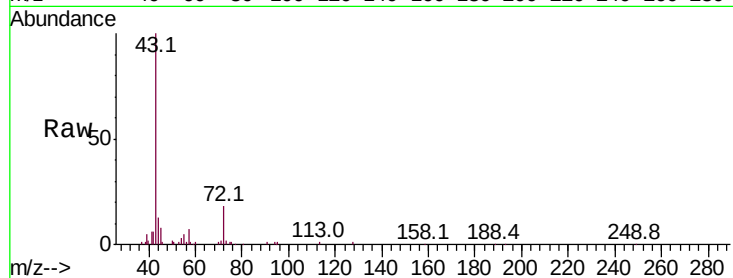
#34
2-Butanone
Concen: 0.536 ppbv m
RT: 5.23 min Scan# 759
Delta R.T. -0.00 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion: 43 Resp: 98102
Ion Ratio Lower Upper
43 100
72 26.2 18.4 27.6

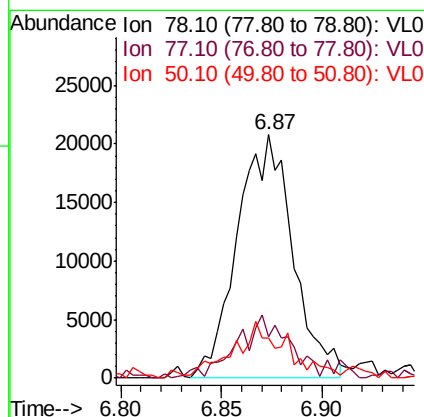
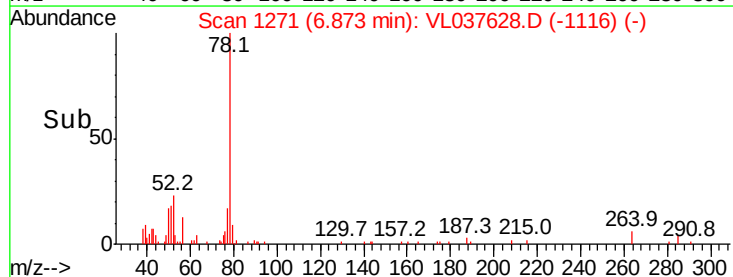
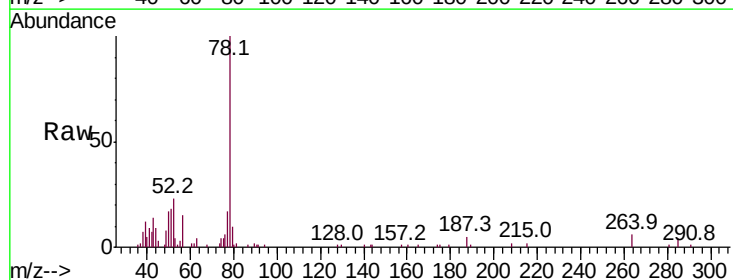
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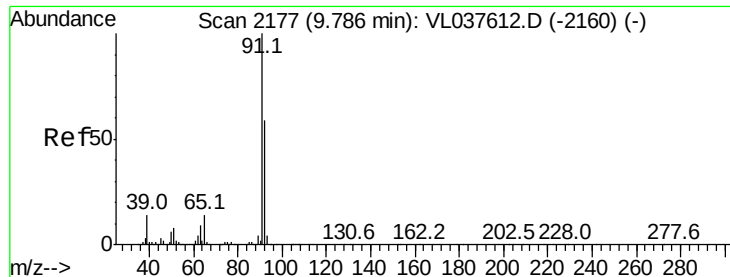
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#36
Benzene
Concen: 0.107 ppbv m
RT: 6.87 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Tgt Ion: 78 Resp: 40330
Ion Ratio Lower Upper
78 100
77 16.8 19.0 28.4#
50 16.6 14.8 22.2





#53

Toluene

Concen: 0.477 ppbv m

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037628.D

Acq: 16 Sep 2021 23:23

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 91 Resp: 199094

Ion Ratio Lower Upper

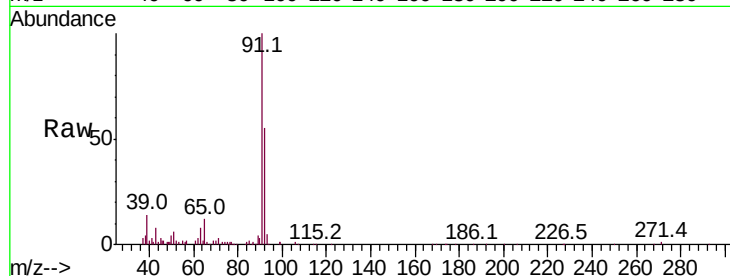
91 100

92 63.2 48.9 73.3

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

100000

80000

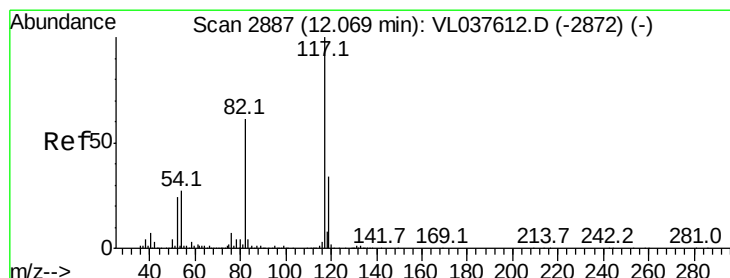
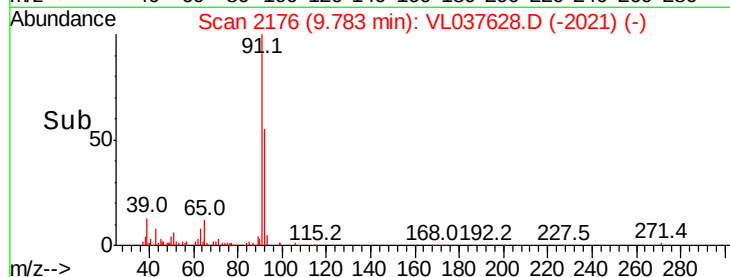
60000

40000

20000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037628.D

Acq: 16 Sep 2021 23:23

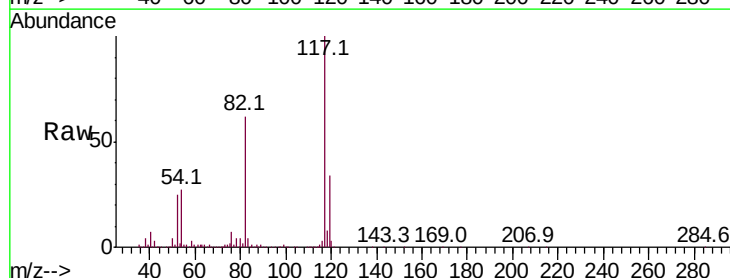
Tgt Ion: 117 Resp: 3866443

Ion Ratio Lower Upper

117 100

82 66.5 50.6 75.8

119 34.8 26.2 39.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

2000000

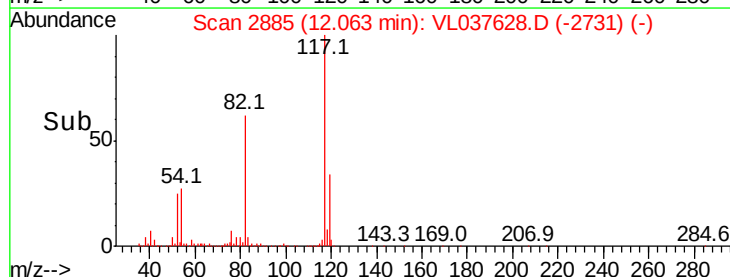
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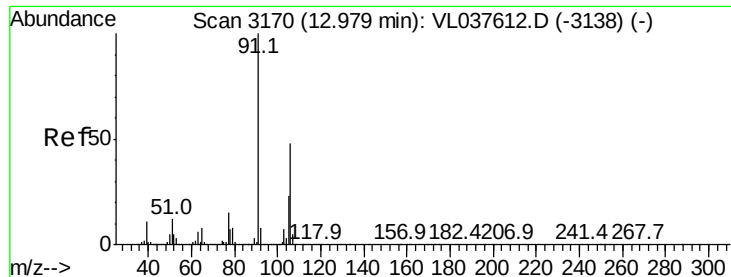
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500000

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Time-->





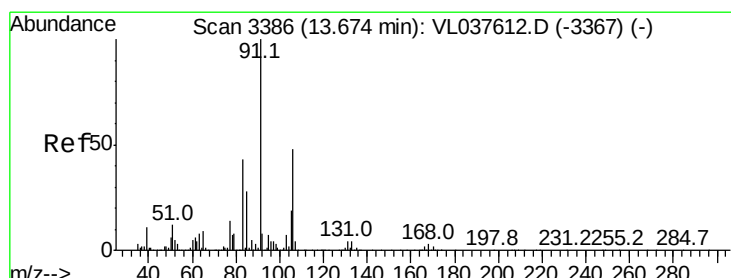
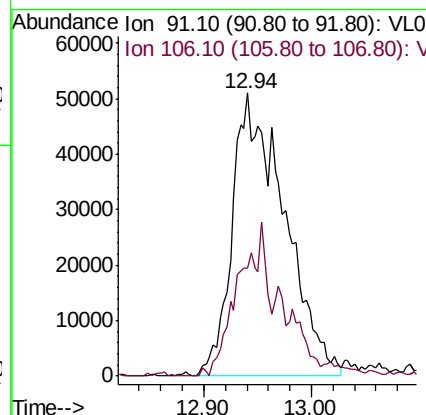
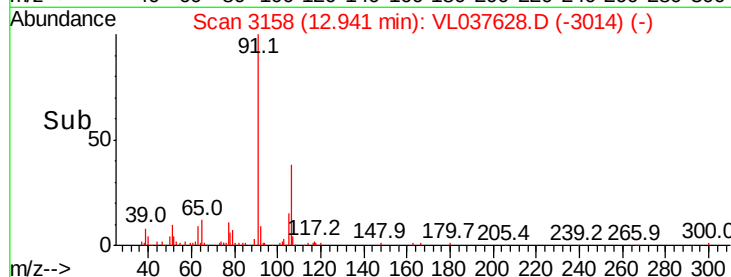
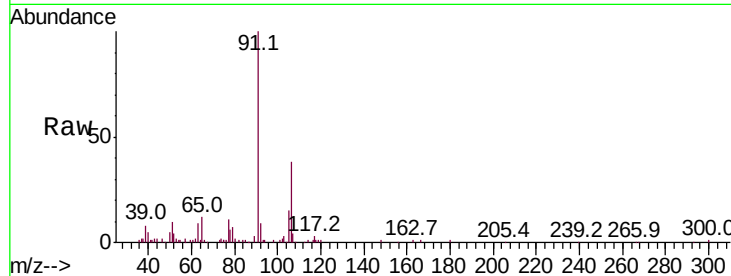
#59
m/p-Xylene
Concen: 0.382 ppbv m
RT: 12.94 min Scan# 3158
Delta R.T. -0.04 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion: 91 Resp: 170970
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

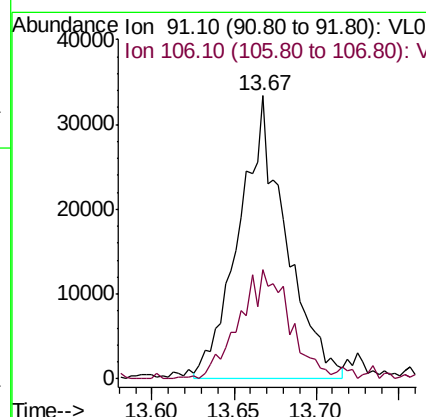
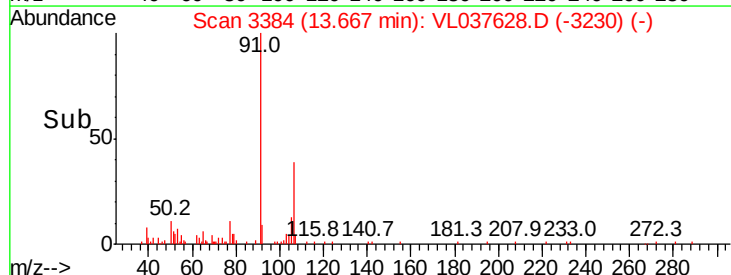
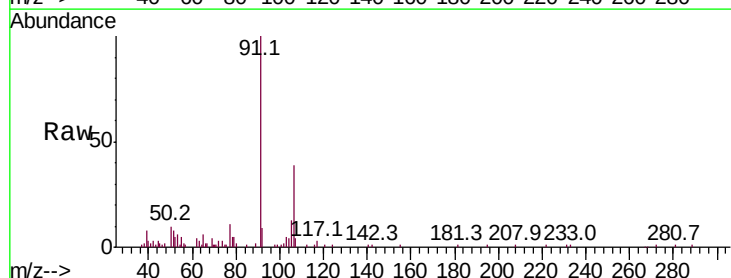
Manual Integrations
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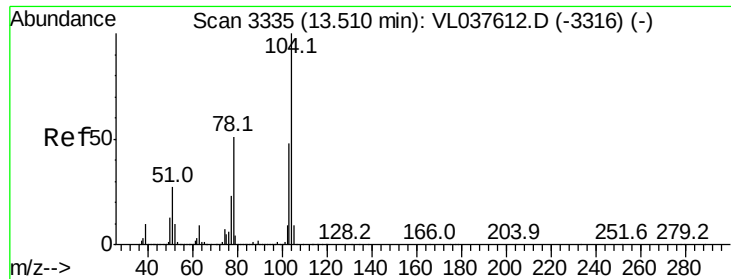
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#60
o-Xylene
Concen: 0.155 ppbv m
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Tgt Ion: 91 Resp: 65914
Ion Ratio Lower Upper
91 100
106 42.5 23.0 69.0





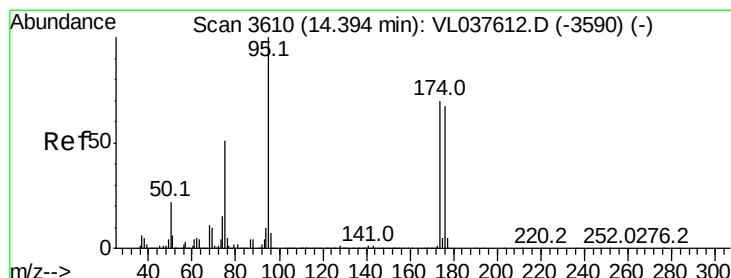
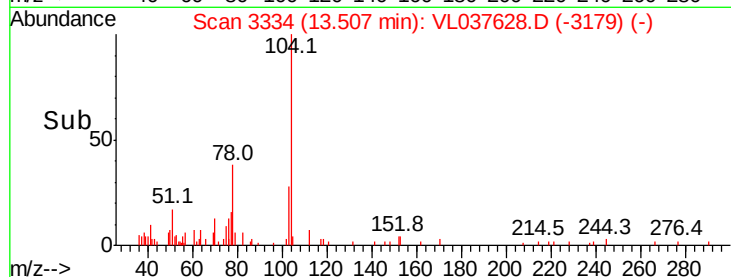
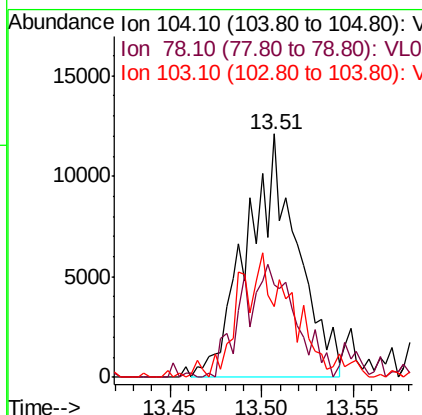
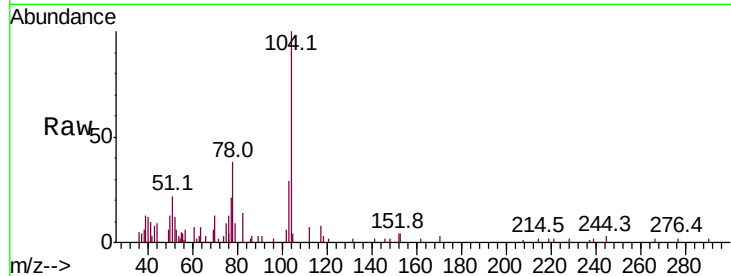
#61
Stvrene
Concen: 0.110 ppbv m
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.7	59.5
103	0.0	38.8	58.2#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.013 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VL037628.D
Acq: 16 Sep 2021 23:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	56.3	84.5
175	5.6	4.4	6.6

