

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037026.D
 Acq On : 20 May 2021 16:37
 Operator : SY/AP
 Sample : M2424-08 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Manual Integrations
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Quant Time: May 21 02:26:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1231218	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3633295	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	3285432	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2462705	9.98	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1527023m	18.906	ppbv	
10) Heptane	8.09	43	3278580	16.288	ppbv	100
13) Ethanol	3.58	45	149626m	13.884	ppbv	
15) Acetone	3.82	43	10331506	81.925	ppbv	90
17) tert-Butyl alcohol	4.28	59	87709	0.759	ppbv #	72
19) Isopropyl Alcohol	3.96	45	115536m	1.704	ppbv	
20) Methylene Chloride	4.31	84	593182	8.775	ppbv	96
26) Hexane	5.66	57	5505597	35.564	ppbv #	46
27) Carbon Disulfide	4.52	76	101615	0.651	ppbv #	92
30) Cyclohexane	7.10	84	38915	0.296	ppbv #	55
34) 2-Butanone	5.22	43	454580	3.436	ppbv	91
36) Benzene	6.86	78	628992	2.010	ppbv	99
53) Toluene	9.77	91	246551	0.662	ppbv	100
59) m/p-Xylene	12.93	91	49755m	0.130	ppbv	

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

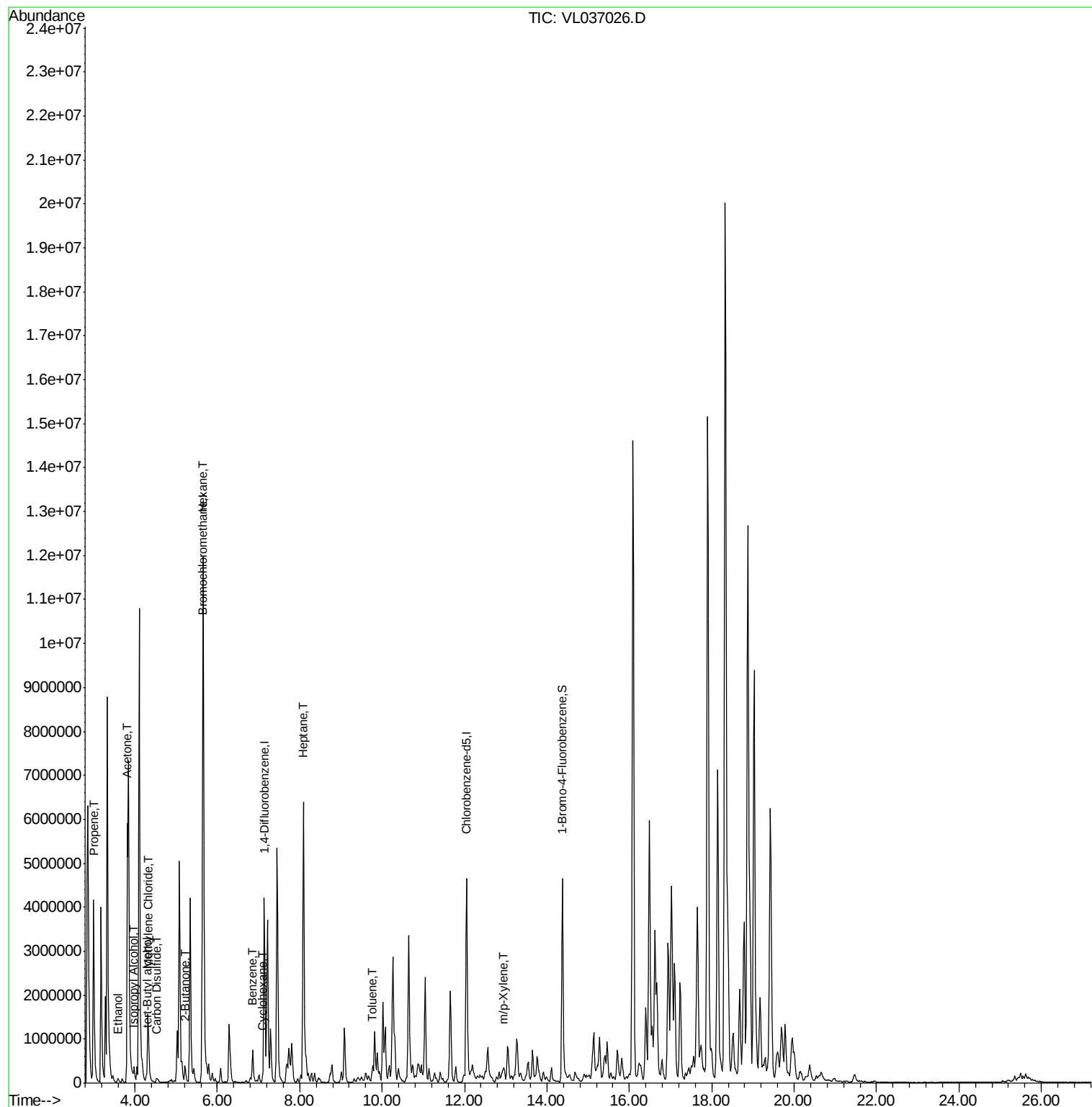
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052021\
Data File : VL037026.D
Acq On : 20 May 2021 16:37
Operator : SY/AP
Sample : M2424-08 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

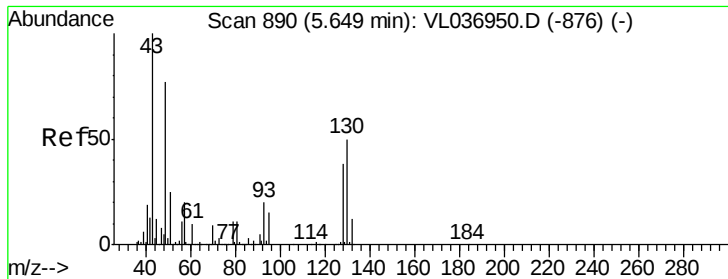
Instrument :
MSVOA_L
ClientSampleId :

Manual Integrations
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Quant Time: May 21 02:26:36 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

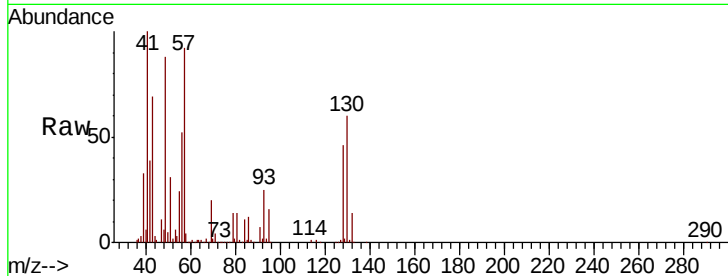
Lab File: VL037026.D

Acq: 20 May 2021 16:37

Instrument :

MSVOA_L

ClientSampled :



Tot Ion: 49 Resp: 1231218

Ion Ratio Lower Upper

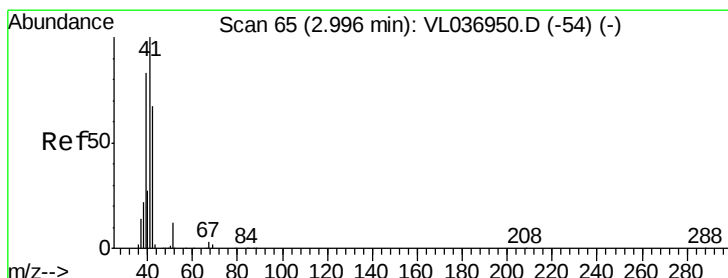
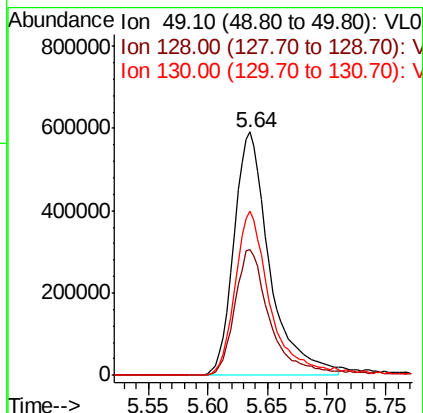
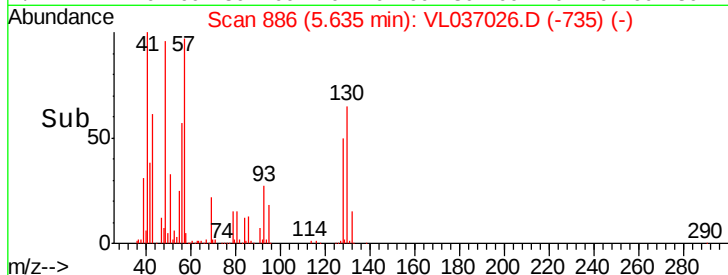
49 100

128 52.4 26.9 80.7

130 67.9 33.8 101.4

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#9

Propene

Concen: 18.906 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037026.D

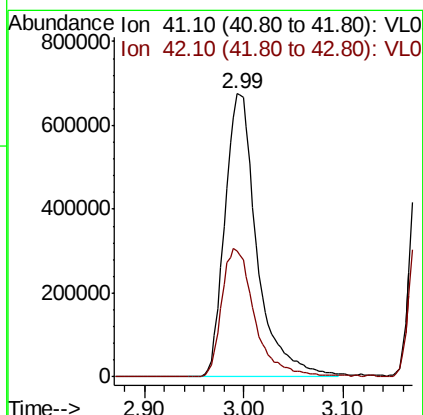
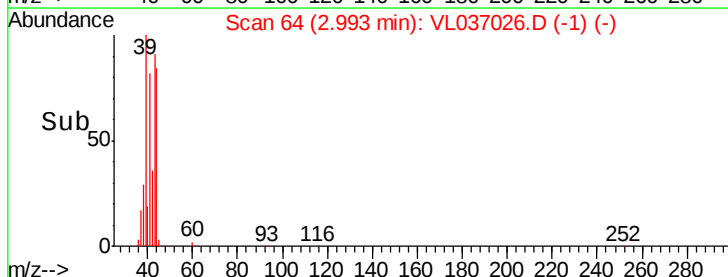
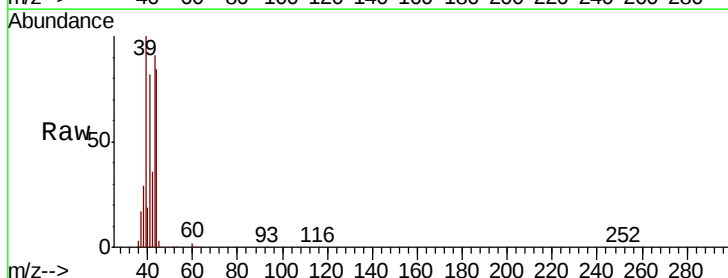
Acq: 20 May 2021 16:37

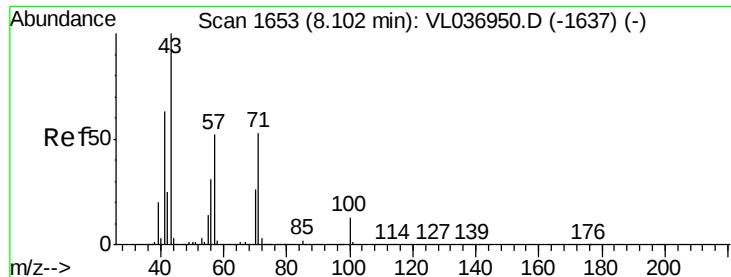
Tgt Ion: 41 Resp: 1527023

Ion Ratio Lower Upper

41 100

42 62.0 53.9 80.9





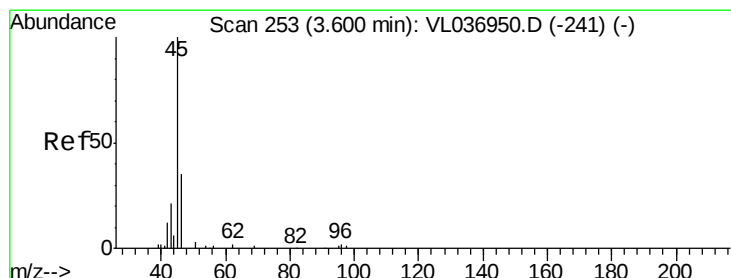
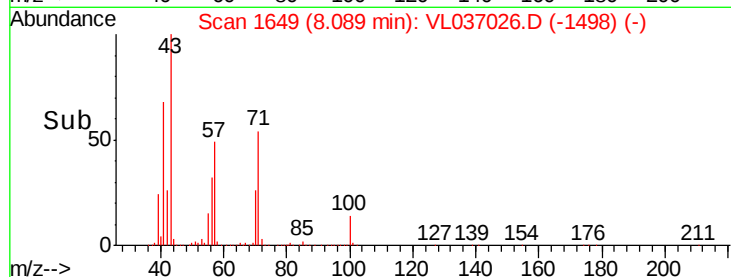
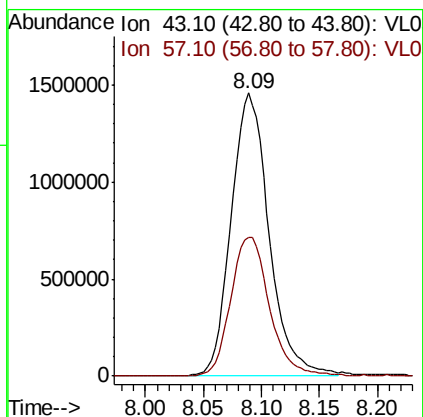
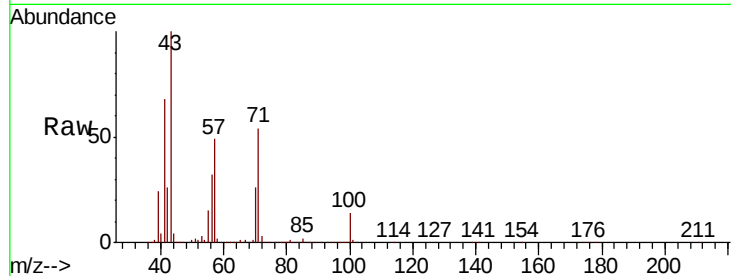
#10
Heptane
Concen: 16.288 ppbv
RT: 8.09 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3278580
Ion Ratio Lower Upper
43 100
57 51.3 41.0 61.6

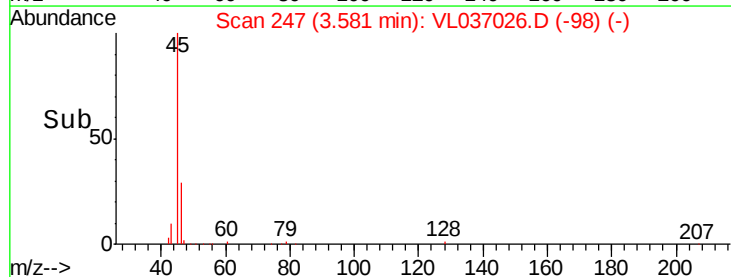
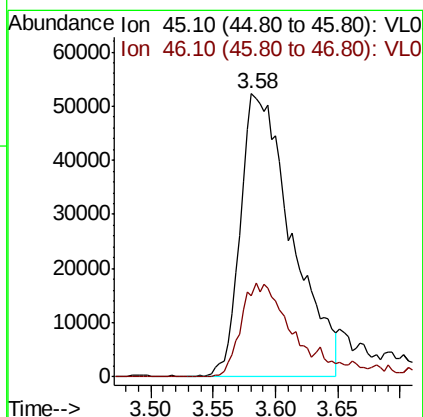
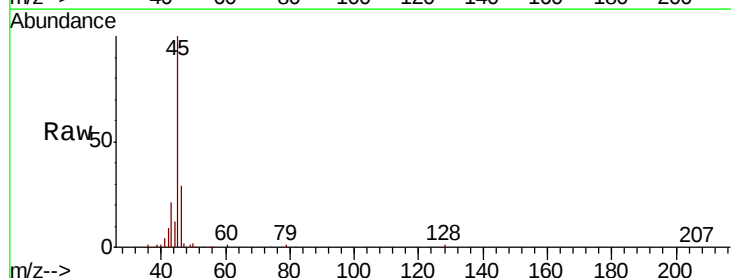
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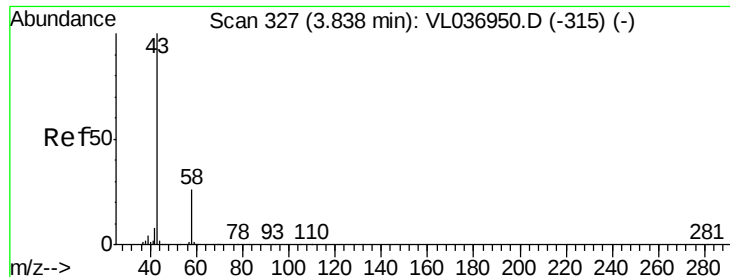
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#13
Ethanol
Concen: 13.884 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. -0.02 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Tgt Ion: 45 Resp: 149626
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#





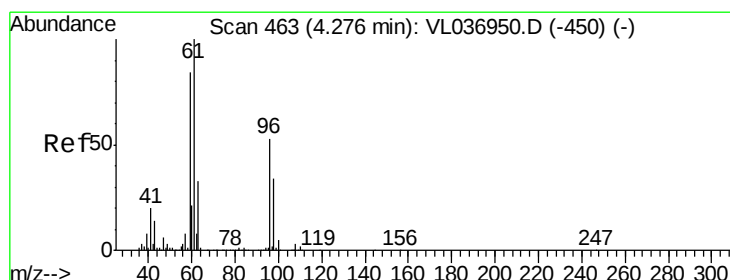
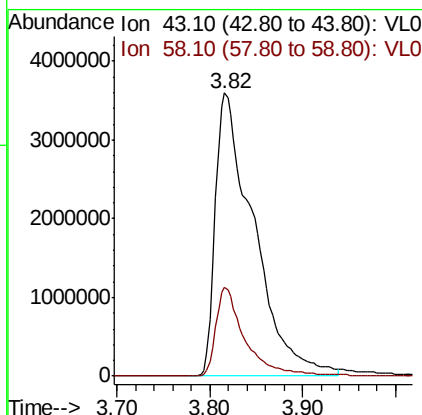
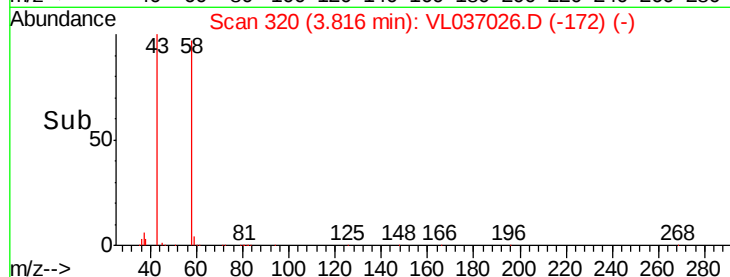
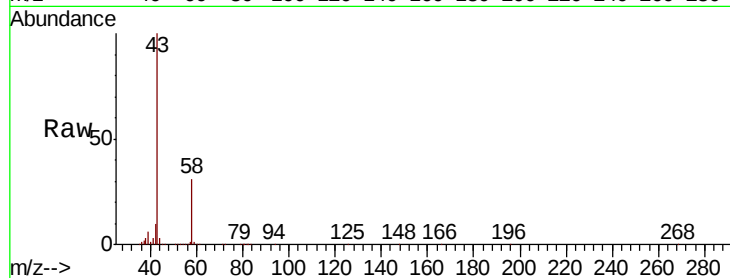
#15
Acetone
Concen: 81.925 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.02 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp:10331506
Ion Ratio Lower Upper
43 100
58 24.5 24.0 36.0

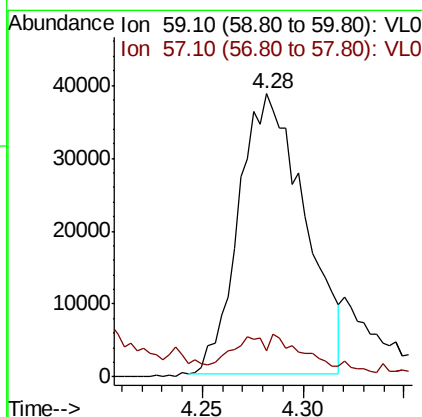
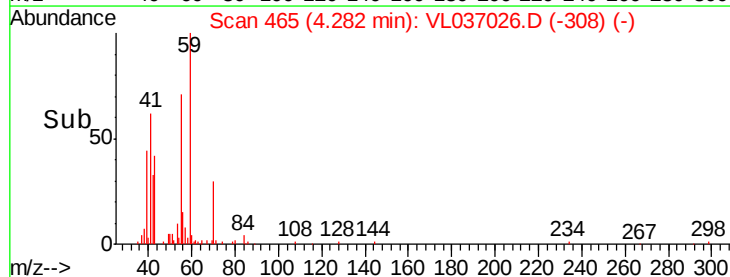
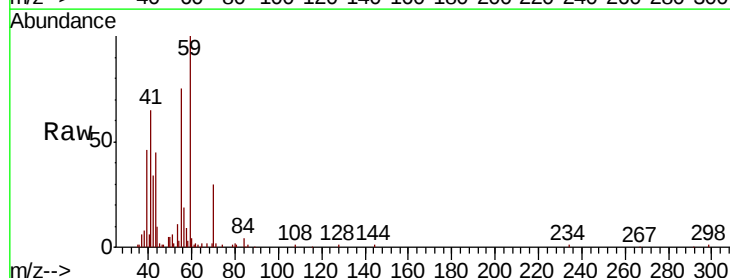
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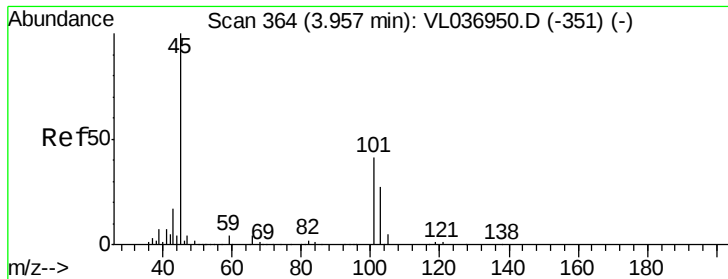
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#17
tert-Butyl alcohol
Concen: 0.759 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Tgt Ion: 59 Resp: 87709
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 1.704 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL037026.D

Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampled :

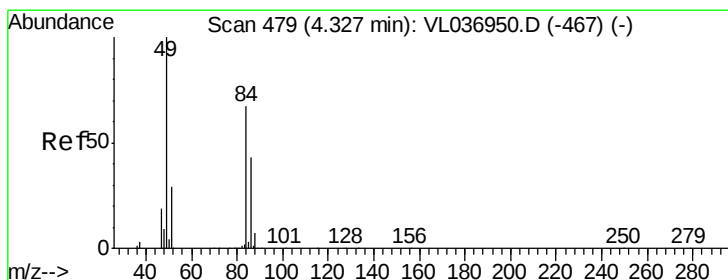
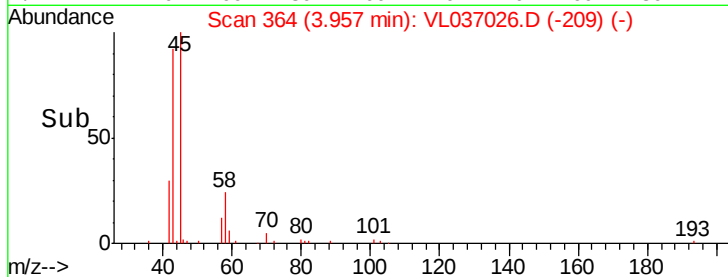
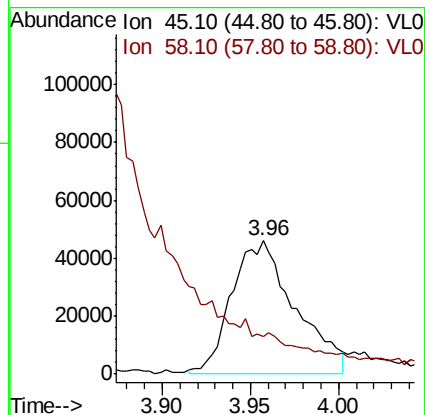
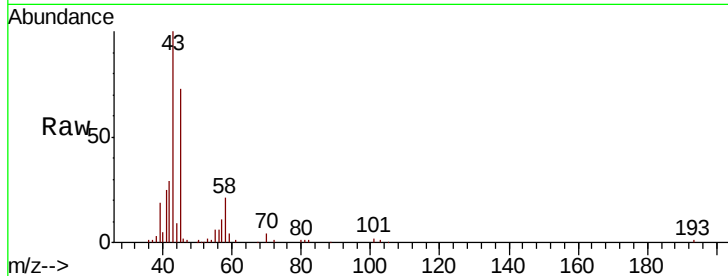
Tot Ion: 45 Resp: 115536
Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

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#20

Methylene Chloride

Concen: 8.775 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL037026.D

Acq: 20 May 2021 16:37

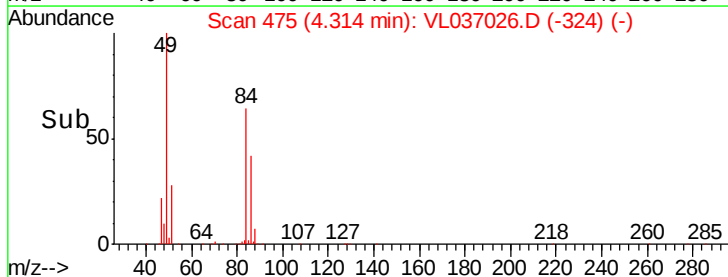
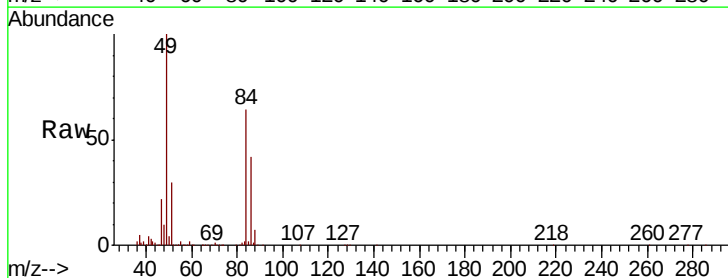
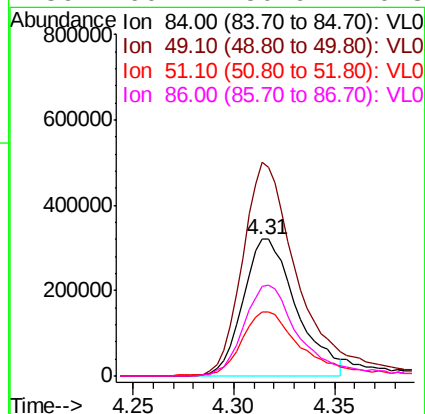
Tgt Ion: 84 Resp: 593182
Ion Ratio Lower Upper

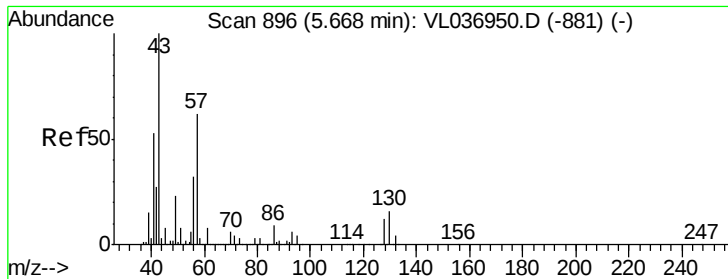
84 100

49 156.3 119.8 179.6

51 46.1 35.1 52.7

86 66.1 50.9 76.3





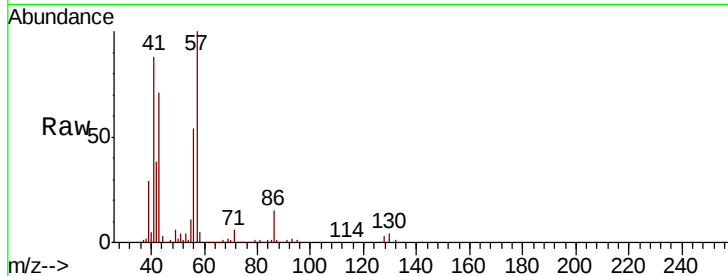
#26
Hexane
Concen: 35.564 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampled :

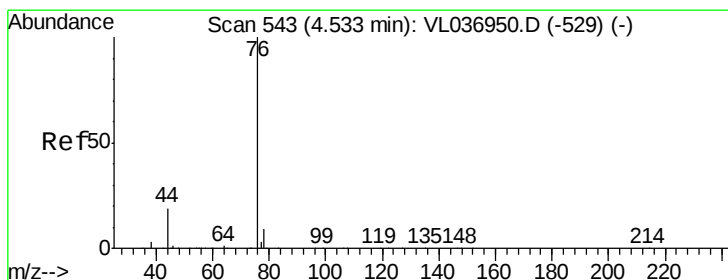
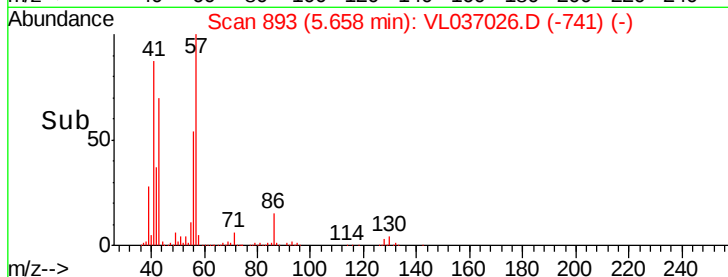
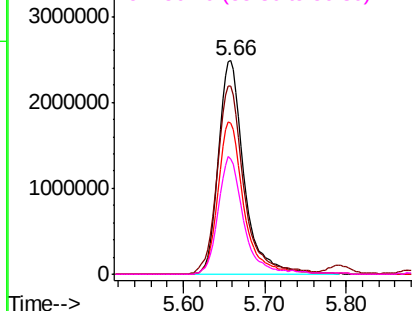
Tot Ion	Ratio	Lower	Upper
57	100		
41	93.1	70.5	105.7
43	71.9	165.8	248.8#
56	55.8	42.2	63.4

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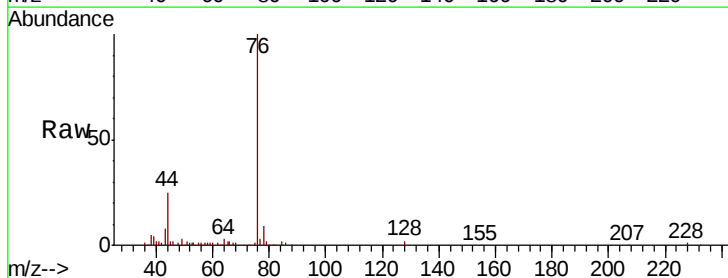


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

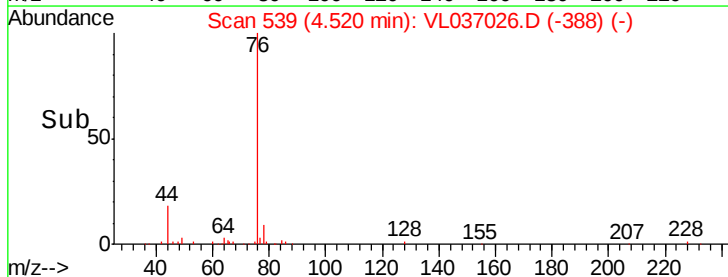
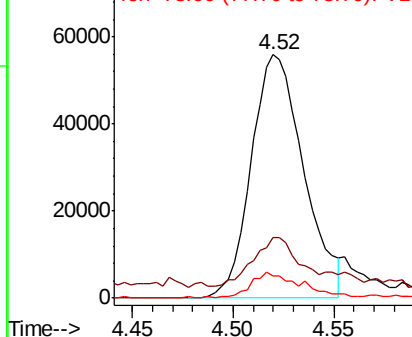


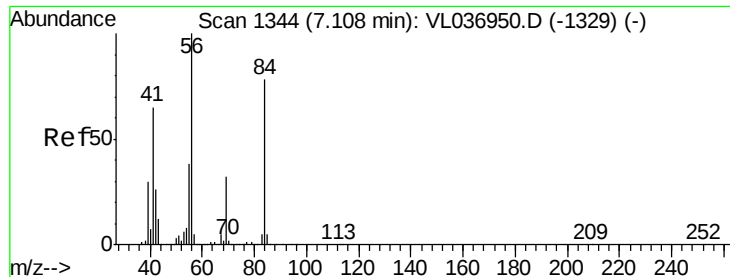
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Carbon Disulfide
Concen: 0.651 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Tgt Ion	Ratio	Lower	Upper
76	100		
44	23.8	15.5	23.3#
78	11.2	7.8	11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





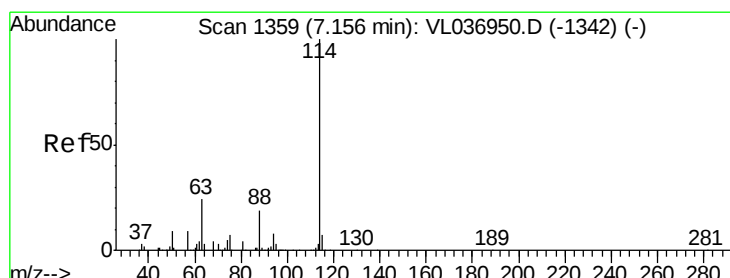
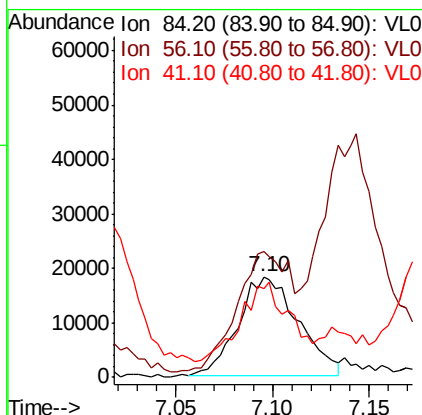
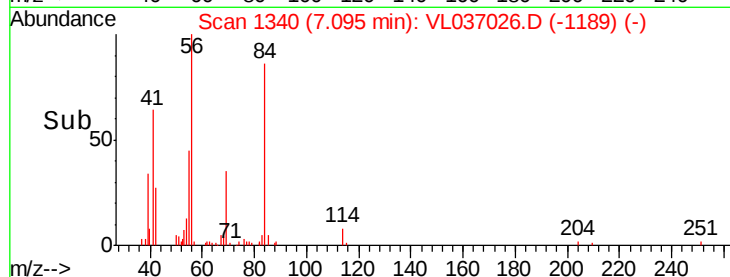
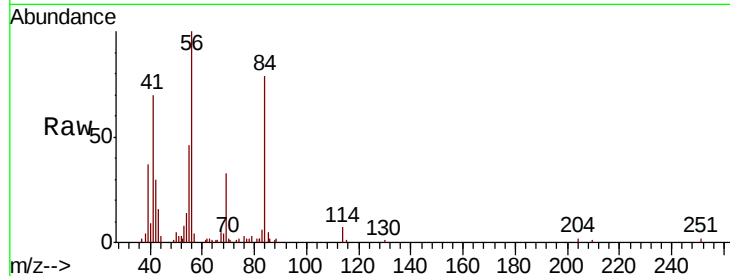
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Cyclohexane
Concen: 0.296 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion	Ratio	Lower	Upper
84	100		
56	115.1	107.9	161.9
41	0.0	65.5	98.3#

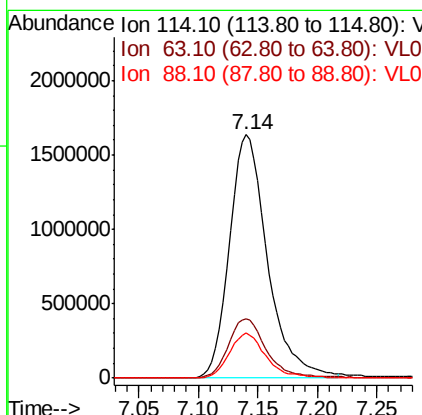
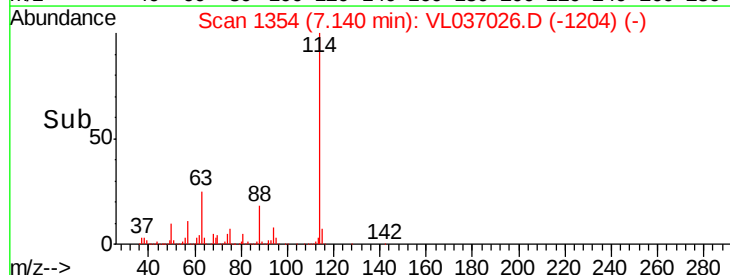
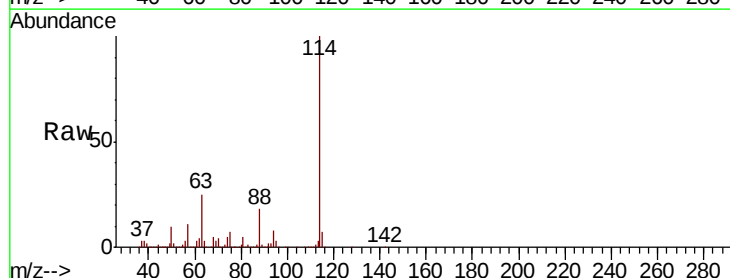
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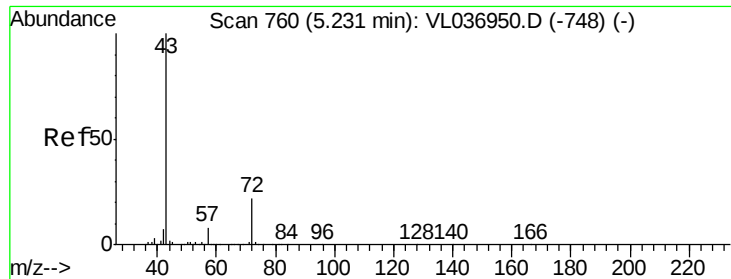
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.6	29.4
88	18.2	14.6	21.8





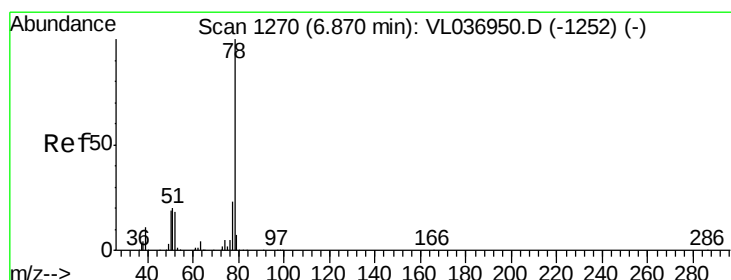
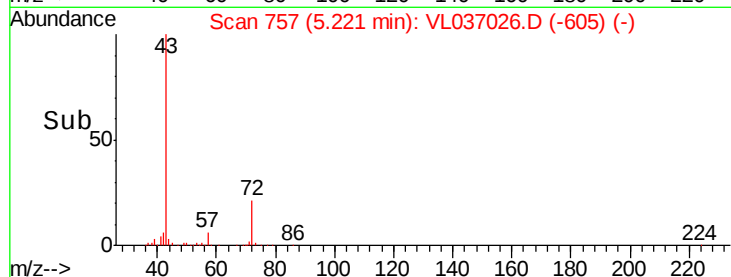
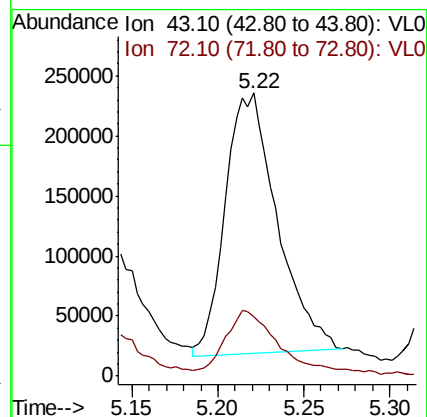
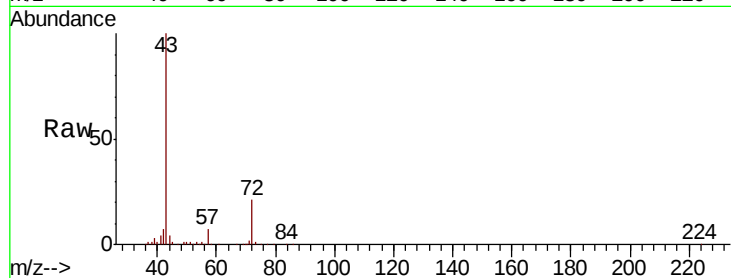
#34
2-Butanone
Concen: 3.436 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 454580
Ion Ratio Lower Upper
43 100
72 28.3 19.0 28.4

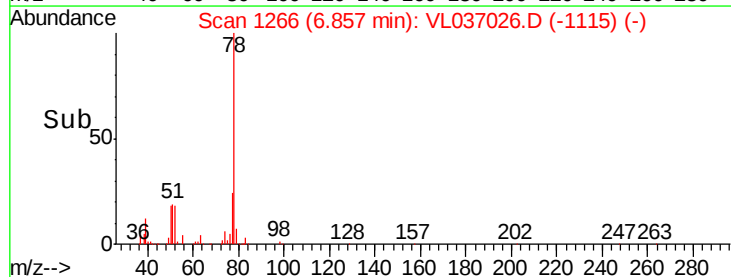
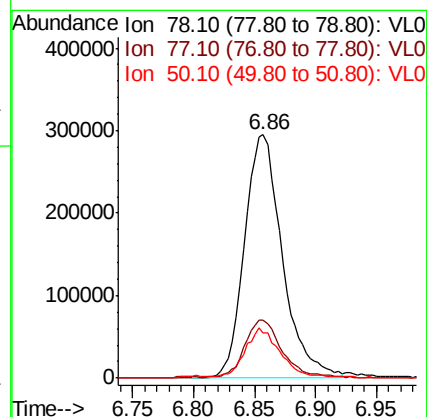
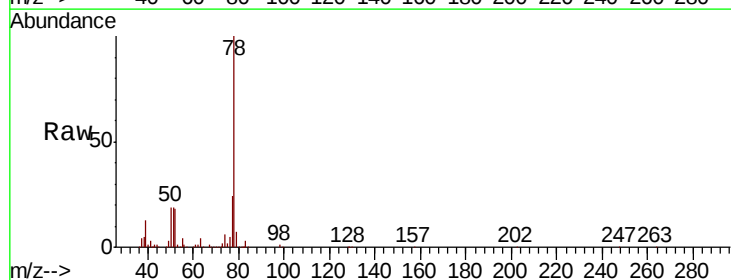
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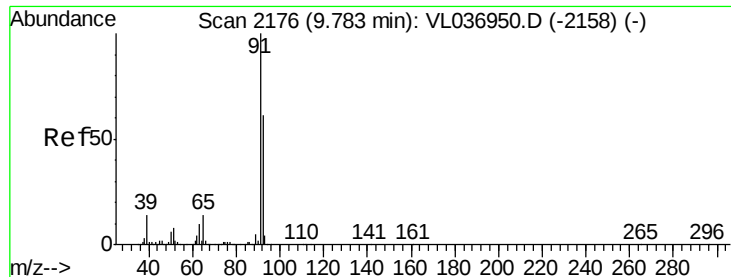
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#36
Benzene
Concen: 2.010 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Tgt Ion: 78 Resp: 628992
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0
50 18.1 15.0 22.4





#53

Toluene

Concen: 0.662 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037026.D

Acq: 20 May 2021 16:37

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 91 Resp: 246551

Ion Ratio Lower Upper

91 100

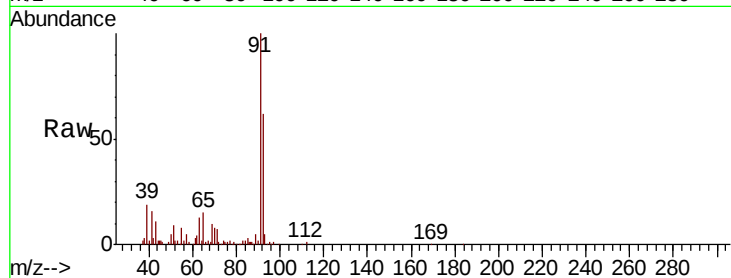
92 61.7 49.5 74.3

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.77

120000

100000

80000

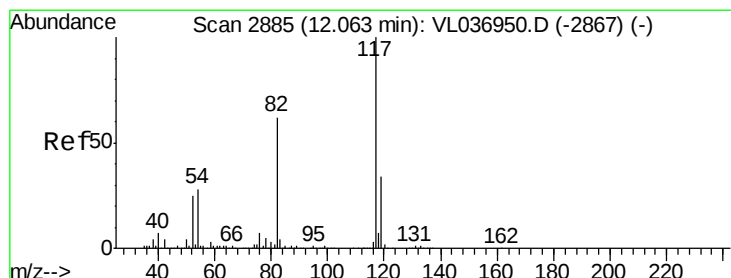
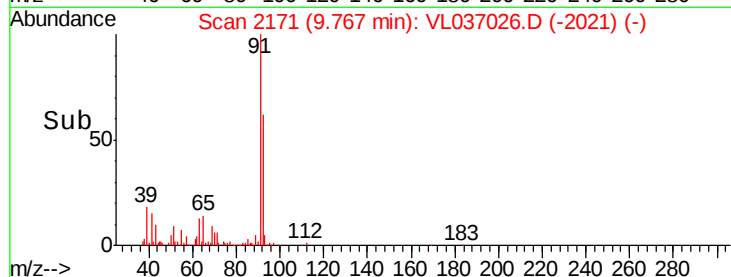
60000

40000

20000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2880

Delta R.T. -0.02 min

Lab File: VL037026.D

Acq: 20 May 2021 16:37

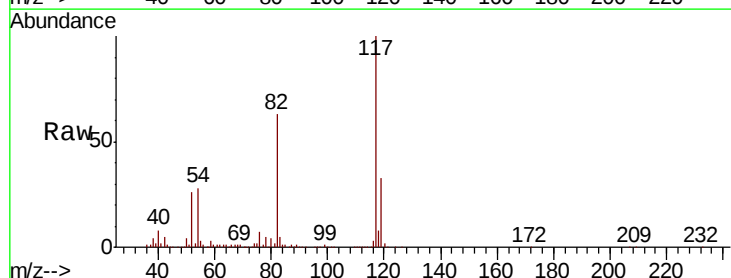
Tgt Ion: 117 Resp: 3285432

Ion Ratio Lower Upper

117 100

82 65.1 52.6 79.0

119 33.6 46.6 70.0#



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

12.05

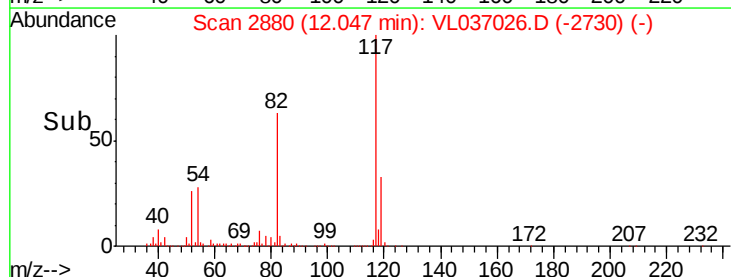
1500000

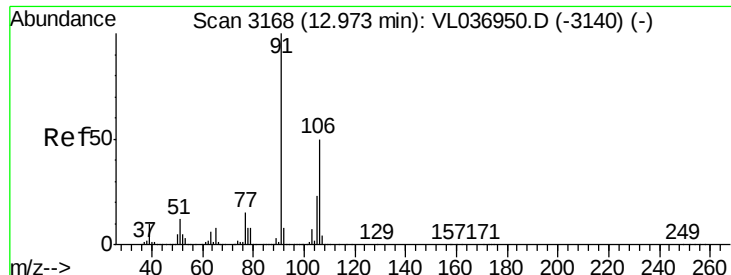
1000000

500000

0

Time-->





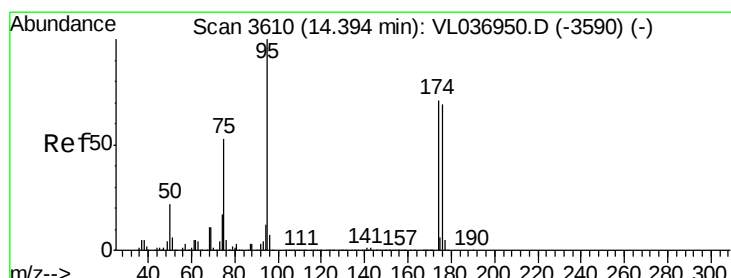
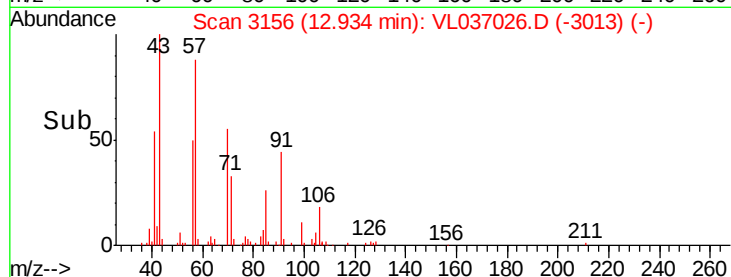
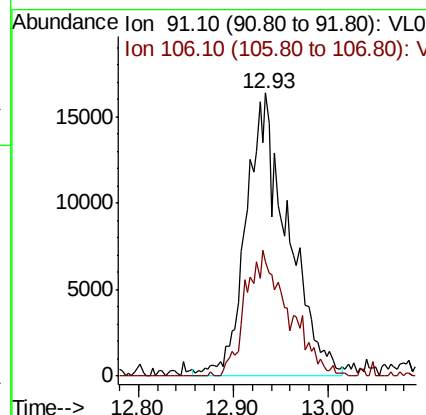
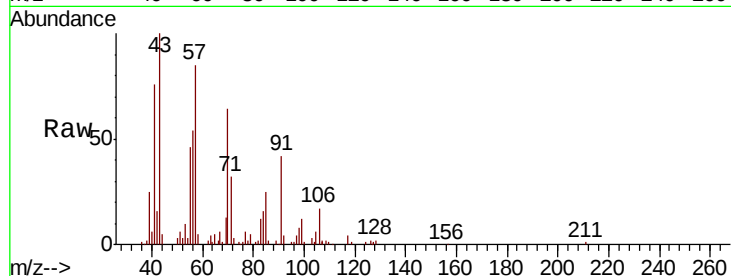
#59
m/p-Xylene
Concen: 0.130 ppbv m
RT: 12.93 min Scan# 3156
Delta R.T. -0.04 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 49755
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.978 ppbv
RT: 14.37 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL037026.D
Acq: 20 May 2021 16:37

Tgt Ion: 95 Resp: 2462705
Ion Ratio Lower Upper
95 100
174 74.2 58.4 87.6
175 5.5 4.4 6.6

