

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037025.D
 Acq On : 20 May 2021 15:57
 Operator : SY/AP
 Sample : M2424-06 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-07

Manual Integrations
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 5/24/2021 3:23:51 PM

Quant Time: May 21 02:22:34 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	5.63	49	1275060	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3699211	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3212823	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2408965	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	20374m	0.244	ppbv	
10) Heptane	8.09	43	28592	0.137	ppbv	98
13) Ethanol	3.60	45	57008m	5.108	ppbv	
15) Acetone	3.82	43	2365262	18.111	ppbv	97
17) tert-Butyl alcohol	4.29	59	24348m	0.204	ppbv	
19) Isopropyl Alcohol	3.96	45	29027m	0.413	ppbv	
20) Methylene Chloride	4.32	84	200202	2.860	ppbv	97
26) Hexane	5.65	57	177342	1.106	ppbv #	62
29) Chloroform	5.72	83	44542	0.197	ppbv	94
34) 2-Butanone	5.22	43	118913	0.883	ppbv #	78
50) 4-Methyl-2-Pentanone	8.73	43	22502m	0.101	ppbv	
53) Toluene	9.76	91	185201	0.488	ppbv	99

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

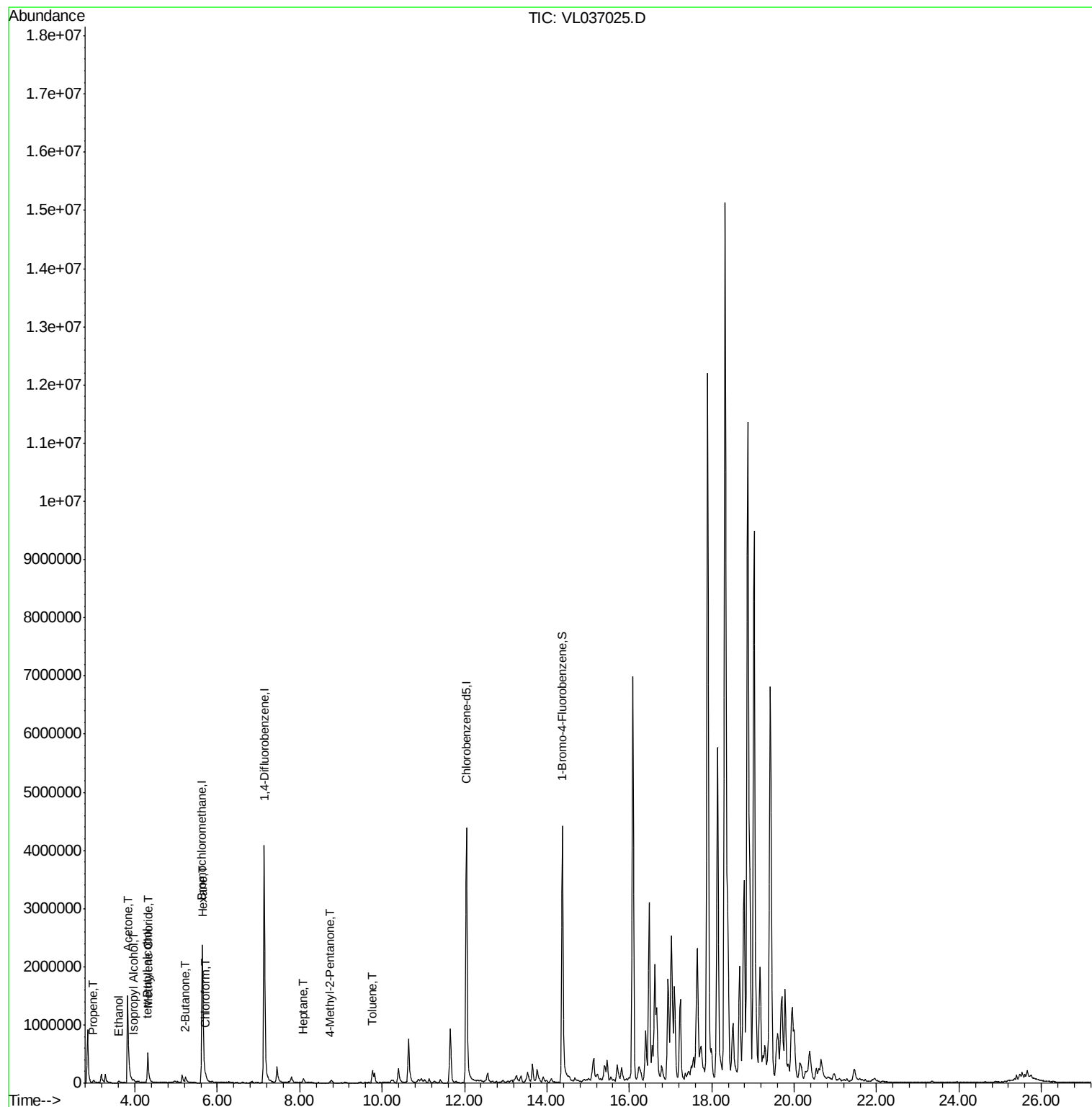
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052021\
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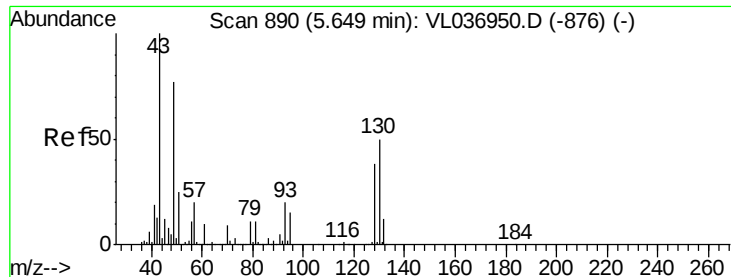
Instrument :
MSVOA_L
ClientSampleId :
KSV-07

Manual Integrations
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Quant Time: May 21 02:22:34 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





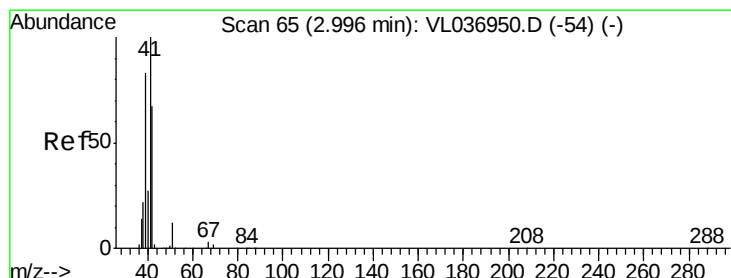
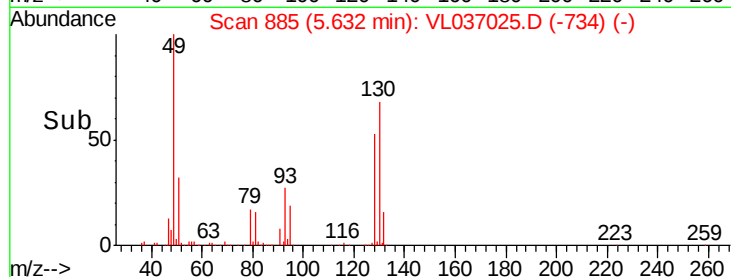
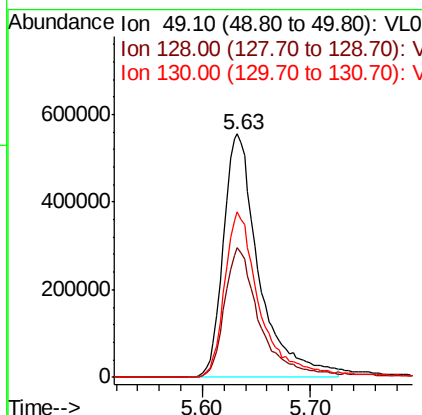
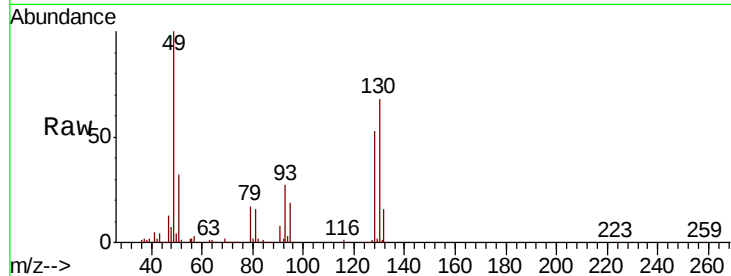
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.63 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: VL037025.D
 Acq: 20 May 2021 15:57

Instrument :
 MSVOA_L
 ClientSampled :
 KSV-07

Tot Ion: 49 Resp: 1275060
 Ion Ratio Lower Upper
 49 100
 128 54.3 26.9 80.7
 130 69.6 33.8 101.4

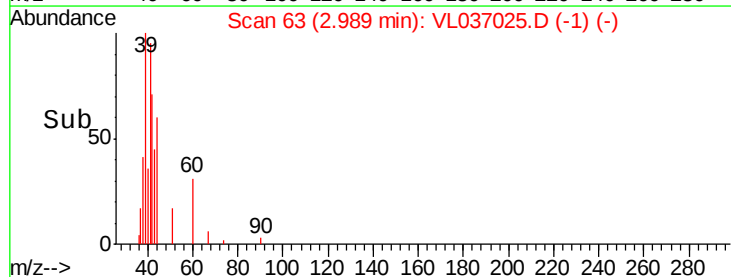
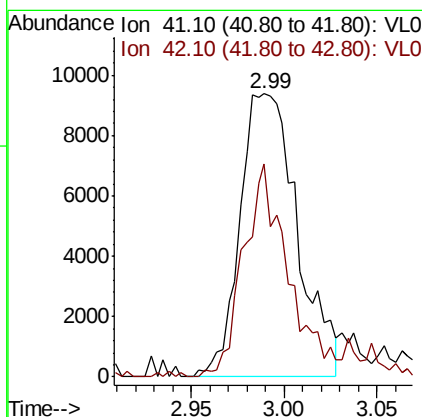
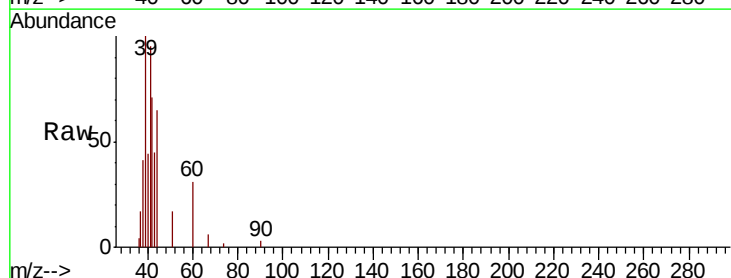
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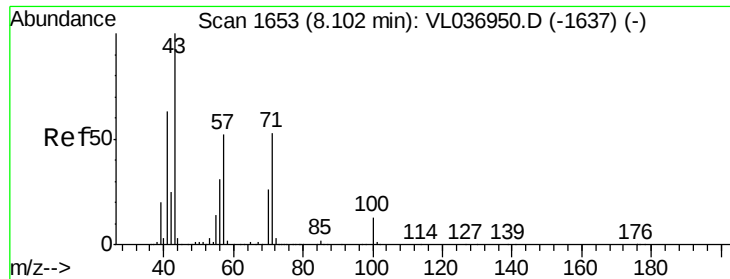
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#9
 Propene
 Concen: 0.244 ppbv m
 RT: 2.99 min Scan# 63
 Delta R.T. -0.01 min
 Lab File: VL037025.D
 Acq: 20 May 2021 15:57

Tgt Ion: 41 Resp: 20374
 Ion Ratio Lower Upper
 41 100
 42 18.1 53.9 80.9#





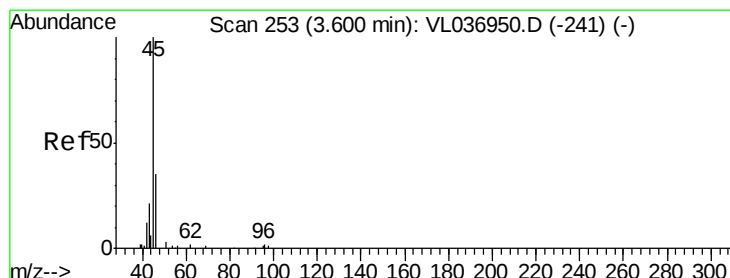
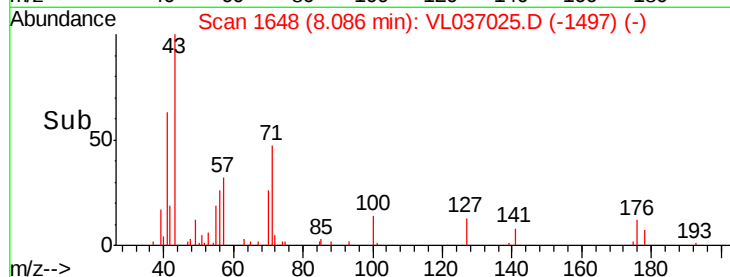
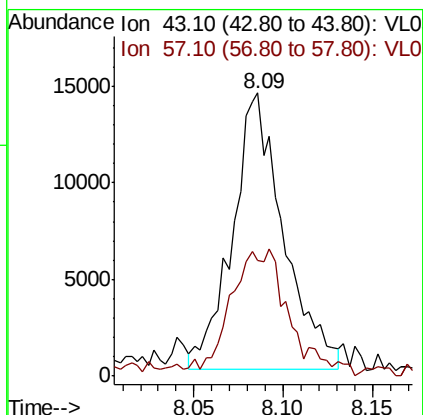
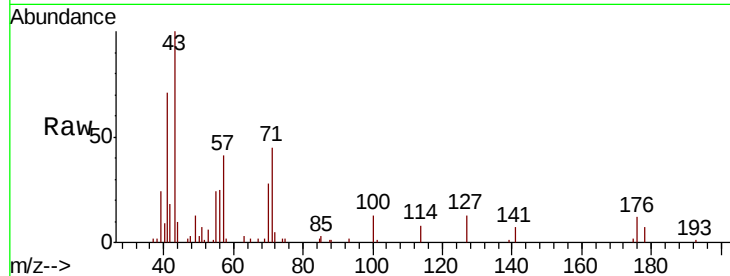
#10
Heptane
Concen: 0.137 ppbv
RT: 8.09 min Scan# 1648
Delta R.T. -0.02 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Instrument :
MSVOA_L
ClientSampleId :
KSV-07

Tot Ion: 43 Resp: 28592
Ion Ratio Lower Upper
43 100
57 52.9 41.0 61.6

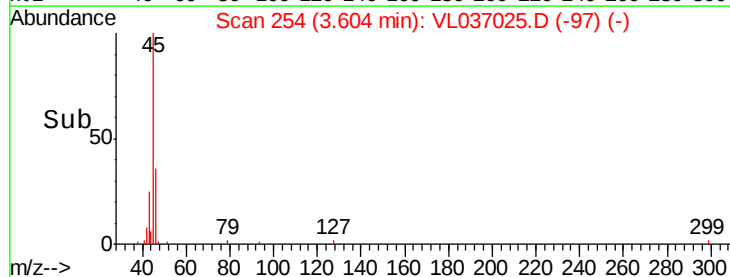
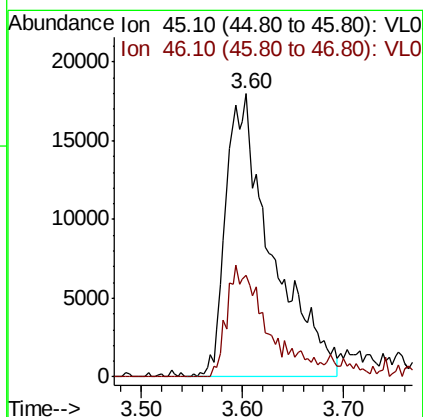
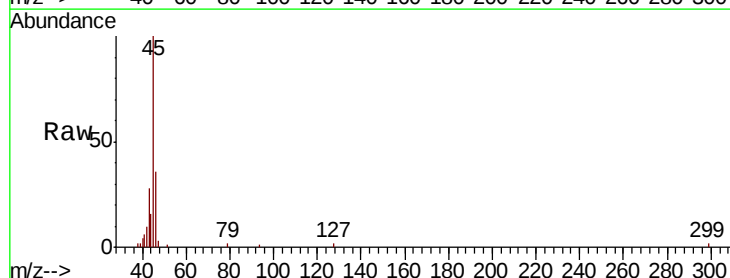
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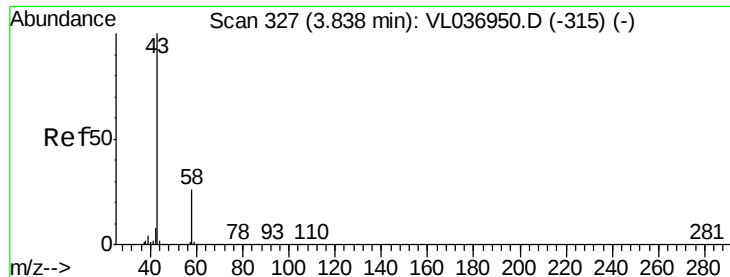
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#13
Ethanol
Concen: 5.108 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Tgt Ion: 45 Resp: 57008
Ion Ratio Lower Upper
45 100
46 39.6 16.3 65.3





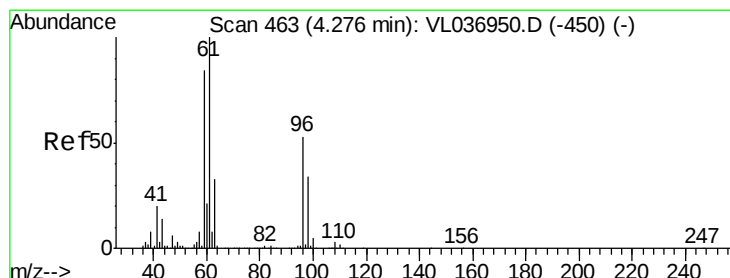
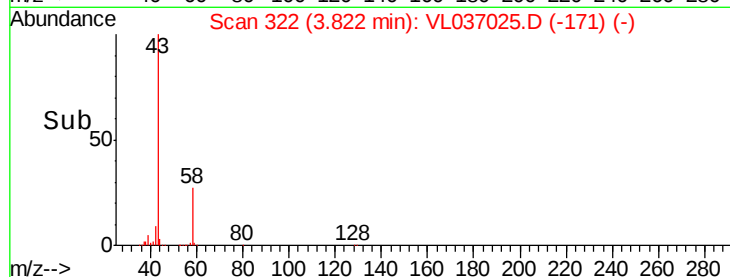
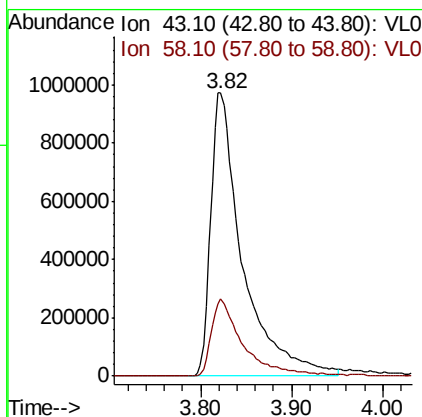
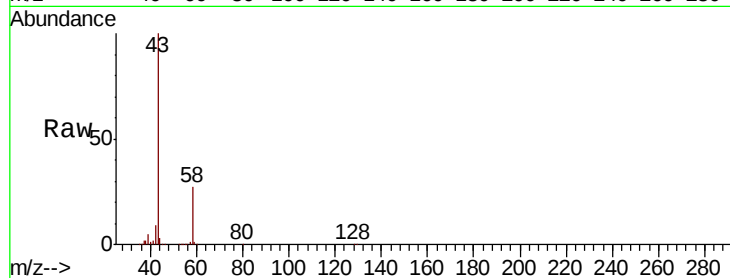
#15
Acetone
Concen: 18.111 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.02 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Instrument :
MSVOA_L
ClientSampled :
KSV-07

Tot Ion: 43 Resp: 2365262
Ion Ratio Lower Upper
43 100
58 28.2 24.0 36.0

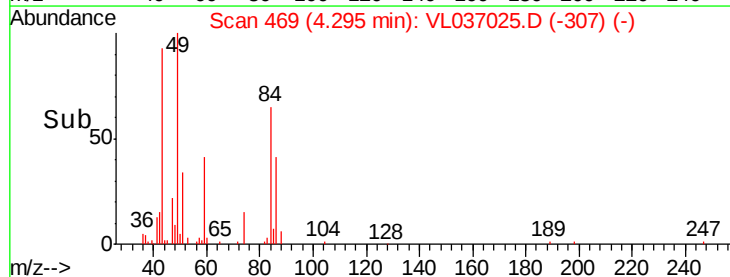
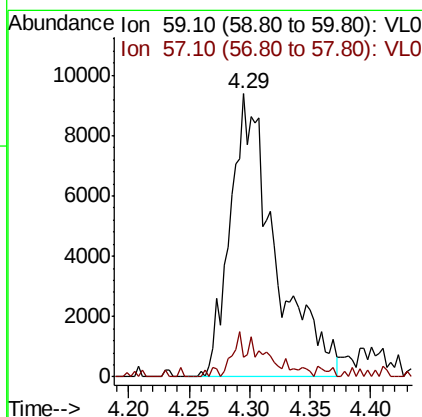
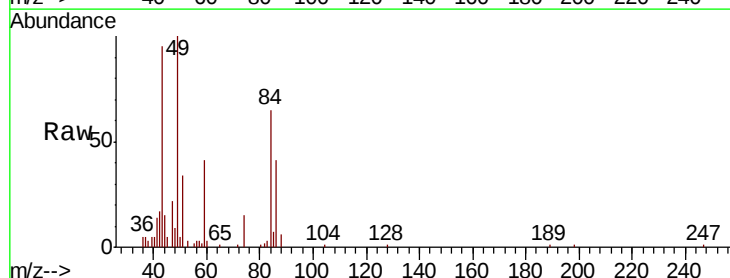
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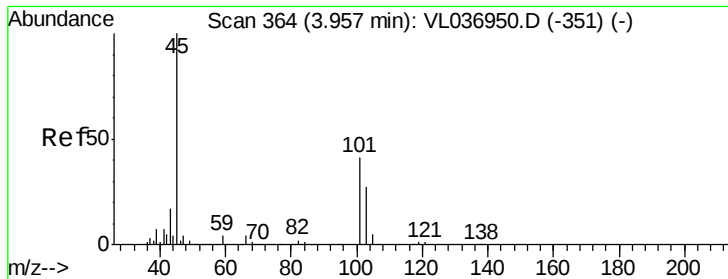
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#17
tert-Butyl alcohol
Concen: 0.204 ppbv m
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Tgt Ion: 59 Resp: 24348
Ion Ratio Lower Upper
59 100
57 12.4 8.3 12.5





#19

Isopropyl Alcohol

Concen: 0.413 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL037025.D

Acq: 20 May 2021 15:57

Instrument :

MSVOA_L

ClientSampleId :

KSV-07

Tot Ion: 45 Resp: 29027

Ion Ratio Lower Upper

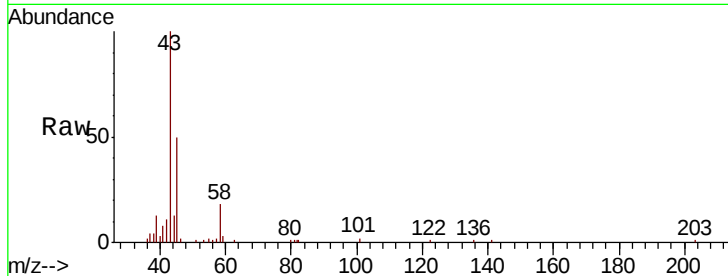
45 100

58 0.0 37.2 55.8#

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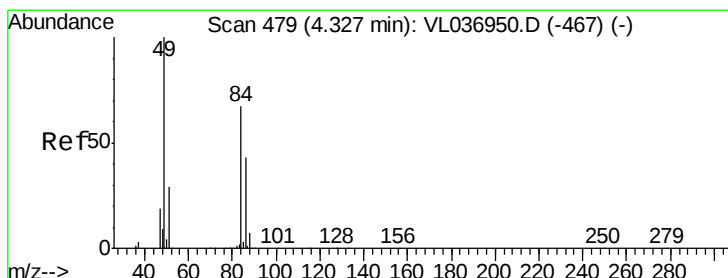
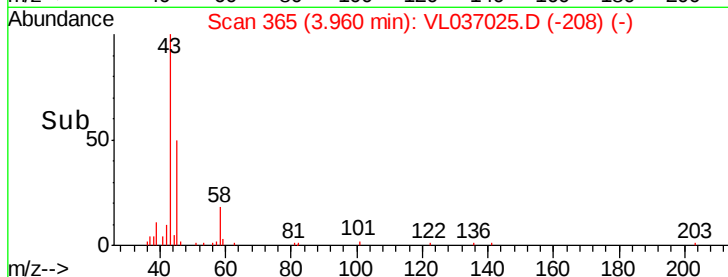
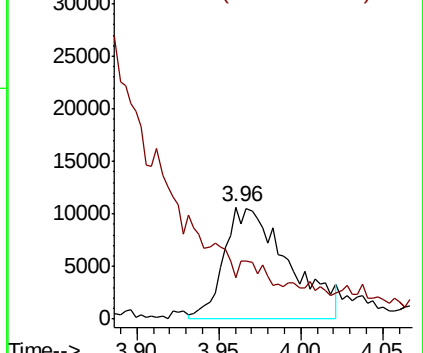
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.860 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL037025.D

Acq: 20 May 2021 15:57

Tgt Ion: 84 Resp: 200202

Ion Ratio Lower Upper

84 100

49 146.3 119.8 179.6

51 45.0 35.1 52.7

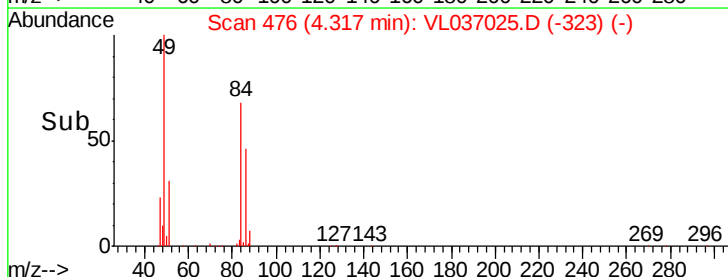
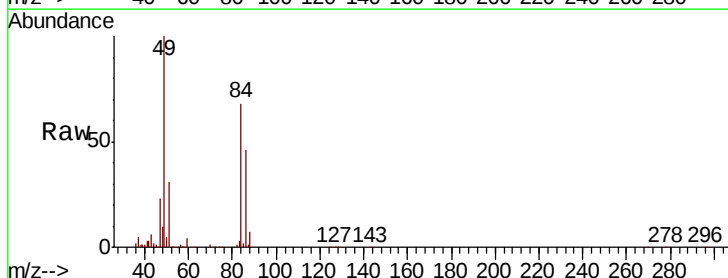
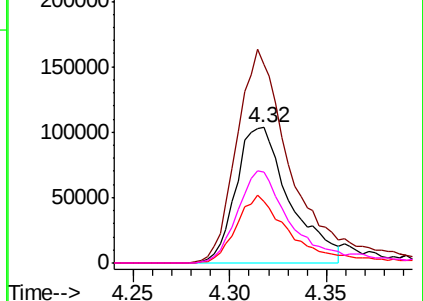
86 67.0 50.9 76.3

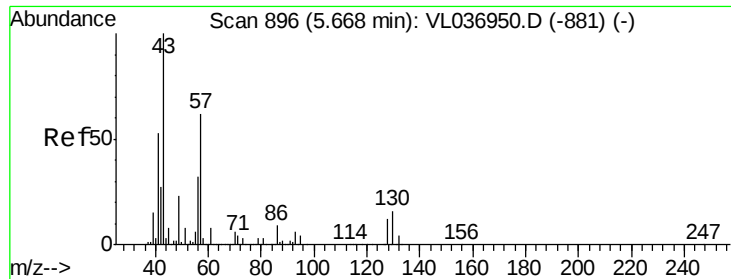
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





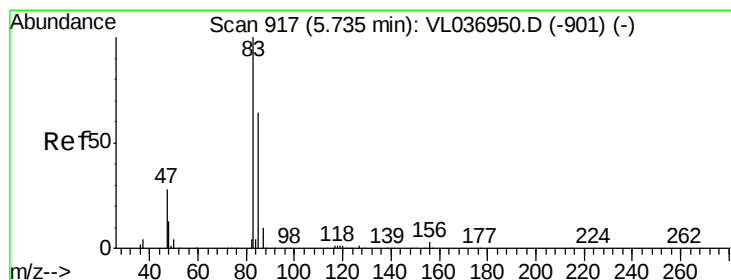
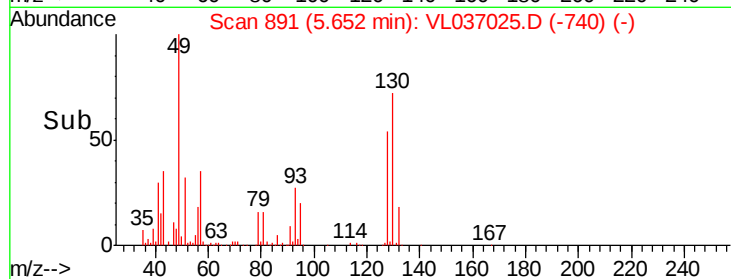
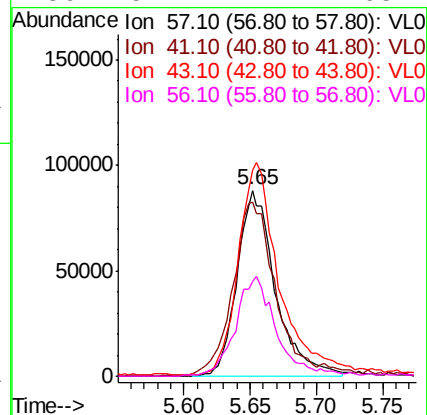
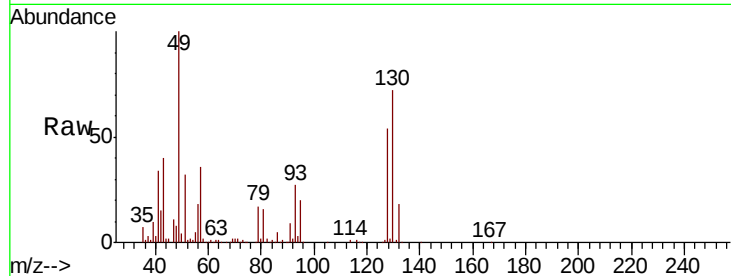
#26
Hexane
Concen: 1.106 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Instrument :
MSVOA_L
ClientSampleId :
KSV-07

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	107.8	70.5	105.7#	
43	124.2	165.8	248.8#	
56	57.1	42.2	63.4	

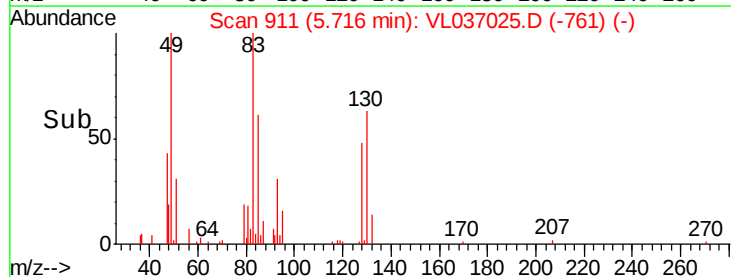
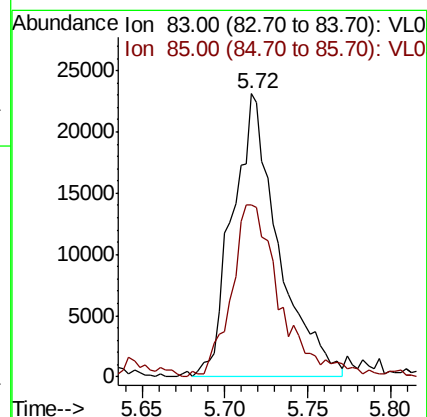
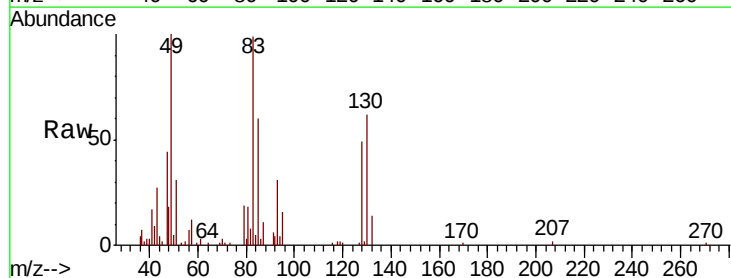
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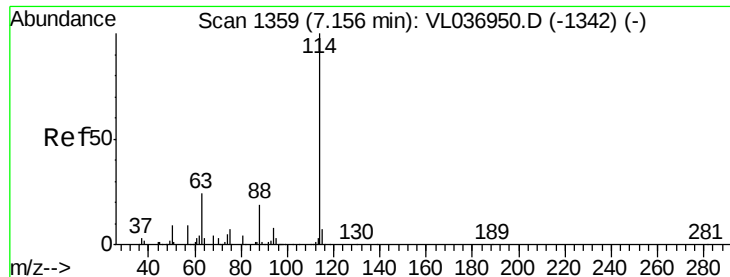
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#29
Chloroform
Concen: 0.197 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.02 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	59.1	51.1	76.7	





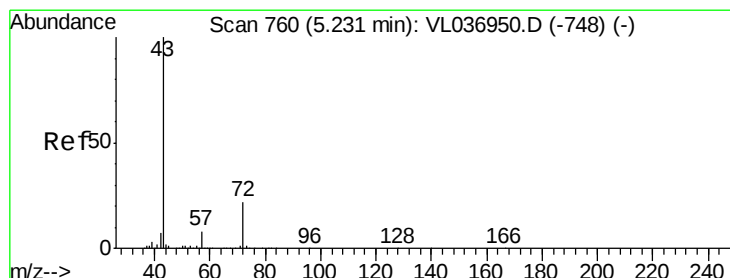
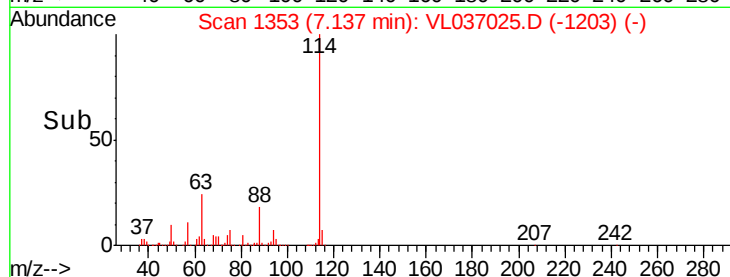
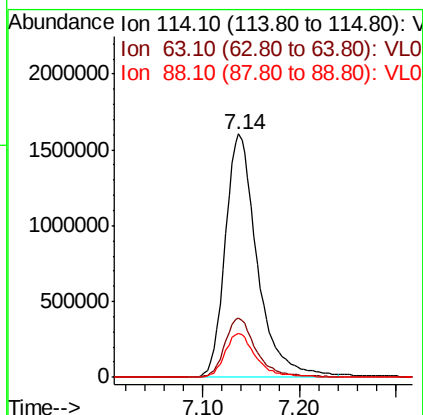
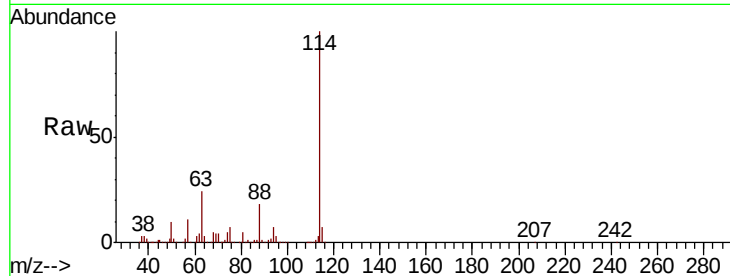
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VL037025.D
 Acq: 20 May 2021 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-07

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.8	14.6	21.8

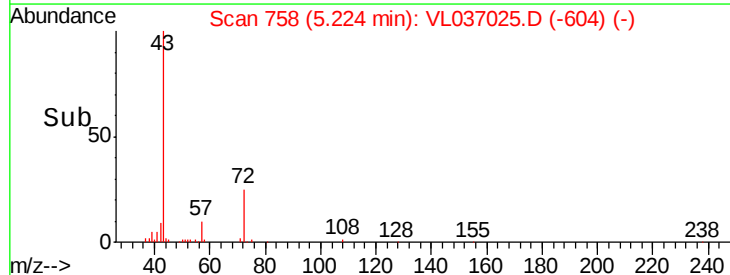
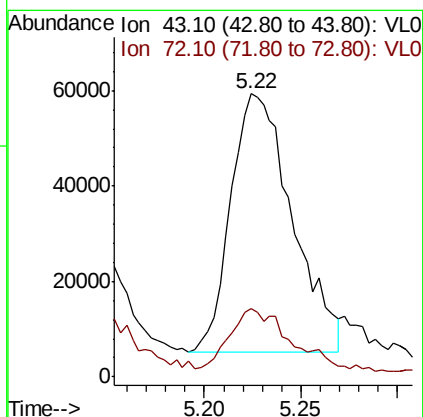
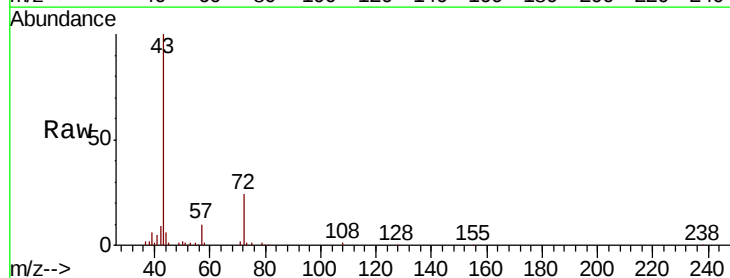
Manual Integrations
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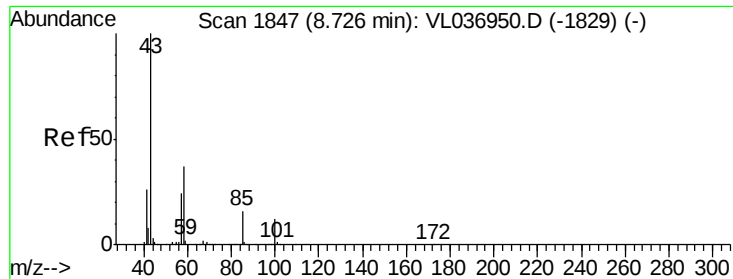
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#34
 2-Butanone
 Concen: 0.883 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037025.D
 Acq: 20 May 2021 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.3	19.0	28.4





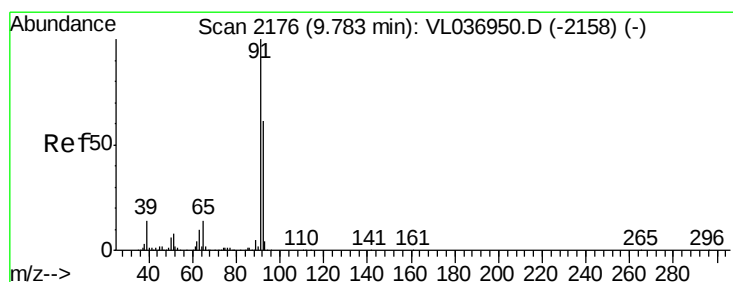
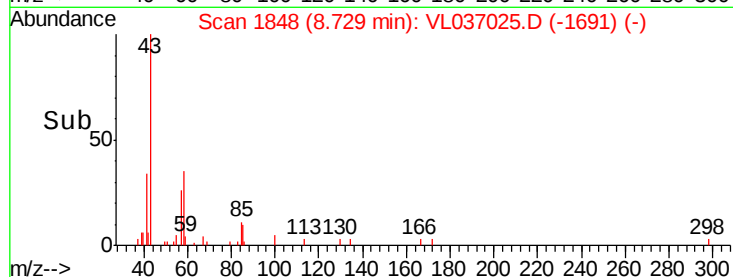
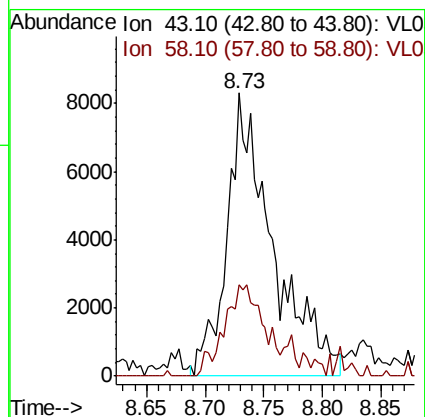
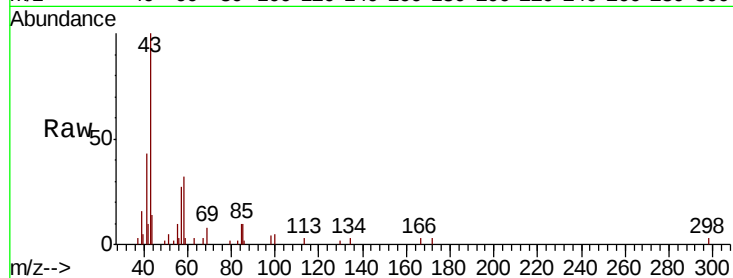
#50
4-Methyl-2-Pentanone
Concen: 0.101 ppbv m
RT: 8.73 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Instrument :
MSVOA_L
ClientSampleId :
KSV-07

Tot Ion	43	Resp	22502
Ion Ratio	100	Lower	Upper
43	100		
58	0.0	29.4	44.2#

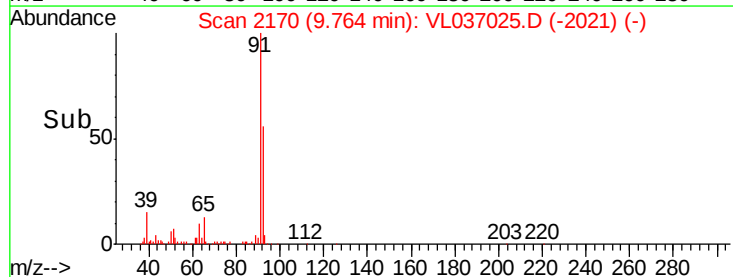
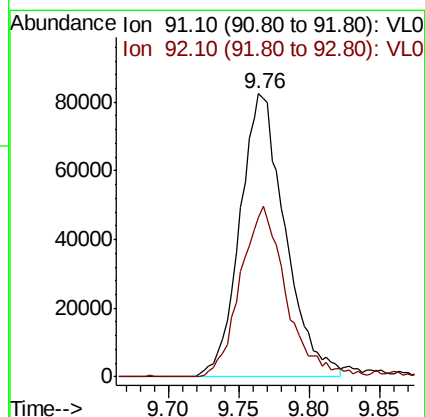
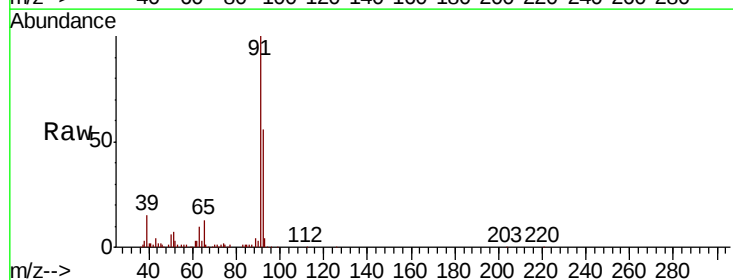
Manual Integrations
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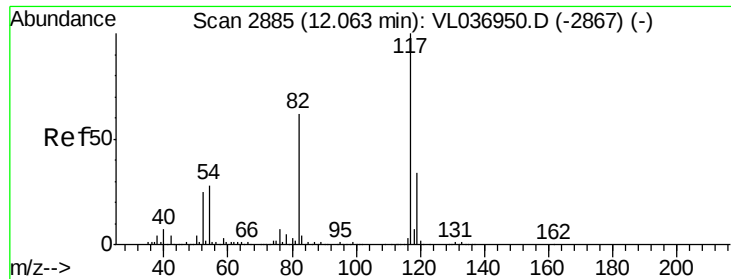
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#53
Toluene
Concen: 0.488 ppbv
RT: 9.76 min Scan# 2170
Delta R.T. -0.02 min
Lab File: VL037025.D
Acq: 20 May 2021 15:57

Tgt Ion	91	Resp	185201
Ion Ratio	100	Lower	Upper
91	100		
92	62.4	49.5	74.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.02 min

Lab File: VL037025.D

Acq: 20 May 2021 15:57

Instrument :

MSVOA_L

ClientSampleId :

KSV-07

Tot Ion:117 Resp: 3212823

Ion Ratio Lower Upper

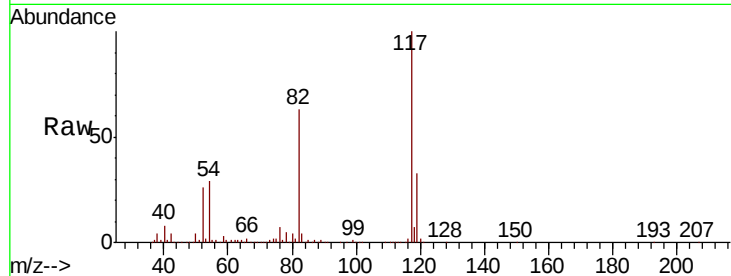
117 100

82 65.5 52.6 79.0

119 33.9 46.6 70.0#

Manual Integrations
APPROVED

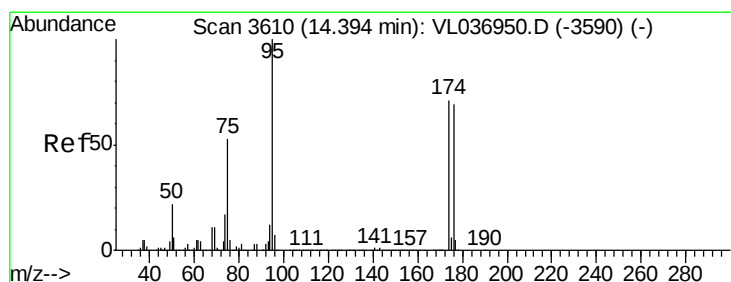
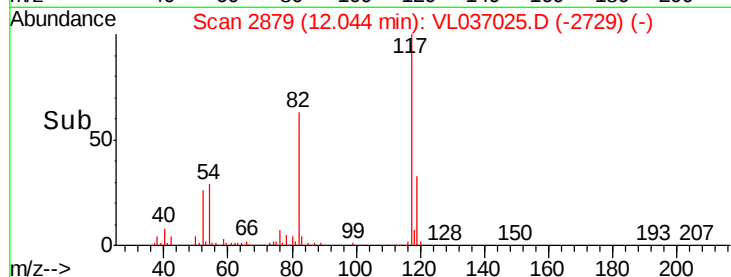
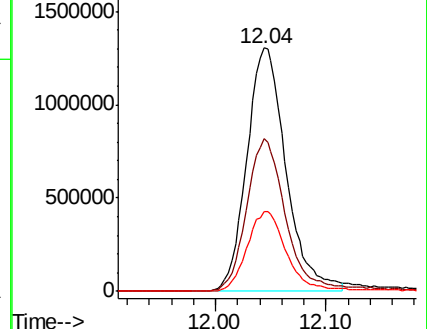
MMDadoda
5/24/2021 3:23:51 PM



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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.981 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037025.D

Acq: 20 May 2021 15:57

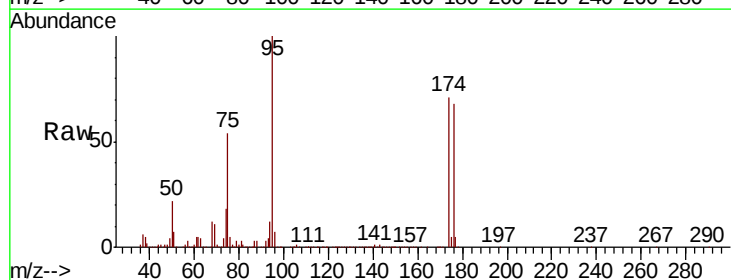
Tgt Ion: 95 Resp: 2408965

Ion Ratio Lower Upper

95 100

174 74.7 58.4 87.6

175 5.4 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

