

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037182.D
 Acq On : 16 Jun 2021 22:43
 Operator : SY/AP
 Sample : M2713-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
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Quant Time: Jun 17 15:43:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 17 15:43:18 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1516012	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4454864	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3953393	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2938350	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.13	43	44845	0.196	ppbv	91
13) Ethanol	3.62	45	16832m	1.154	ppbv	
15) Acetone	3.86	43	161341	0.944	ppbv #	61
18) 1,1-Dichloroethene	4.29	96	32921m	0.375	ppbv	
19) Isopropyl Alcohol	4.01	45	16912m	0.163	ppbv	
20) Methylene Chloride	4.35	84	97877	0.956	ppbv	93
24) 1,1-Dichloroethane	5.01	63	154145	0.781	ppbv	96
34) 2-Butanone	5.27	43	42055m	0.243	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	136965m	0.576	ppbv	
53) Toluene	9.81	91	713186	1.657	ppbv	100
58) Ethyl Benzene	12.71	91	286723	0.527	ppbv	94
59) m/p-Xylene	12.97	91	1296621m	2.811	ppbv	
60) o-Xylene	13.69	91	535771	1.220	ppbv	98

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

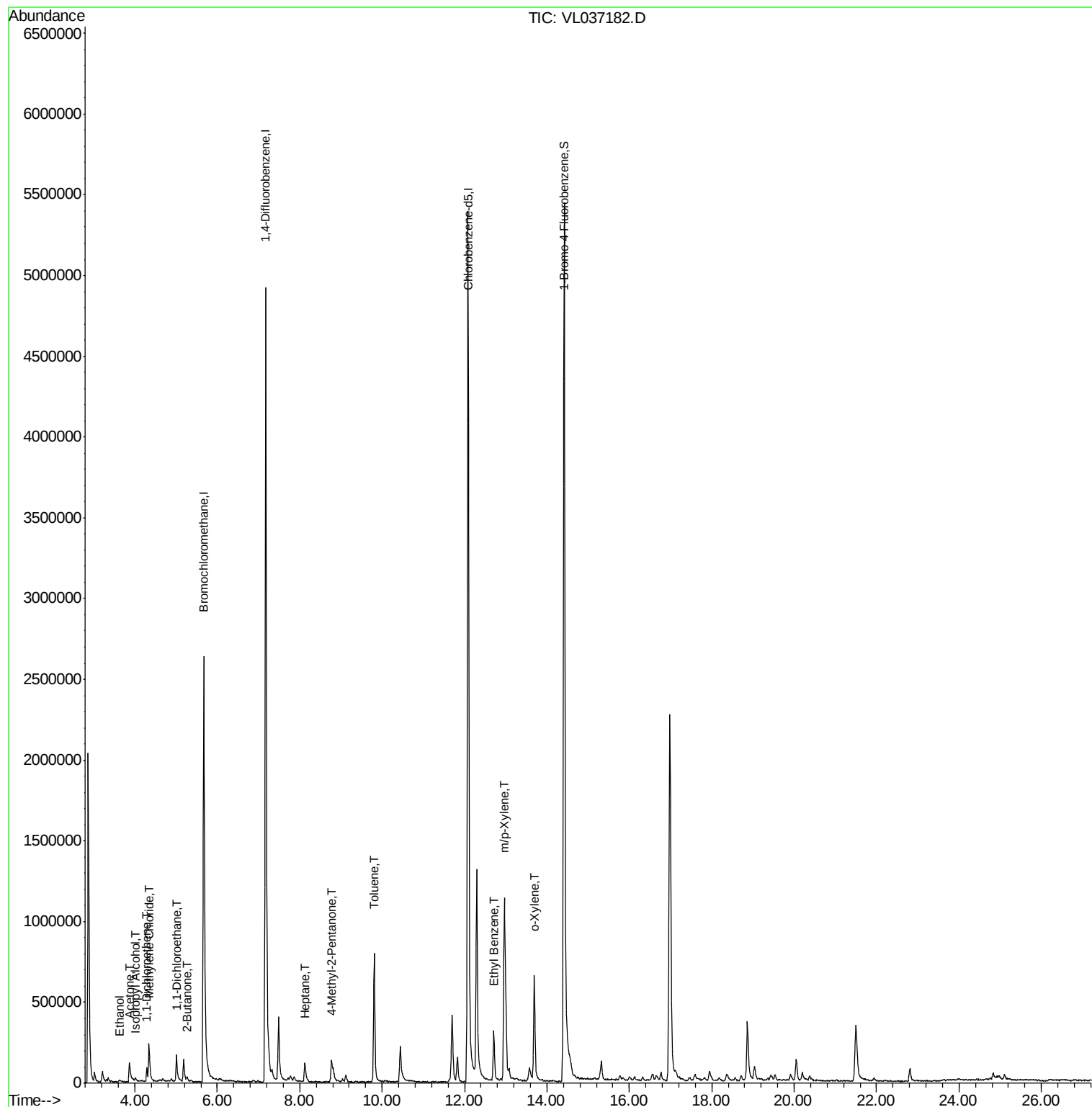
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061621\
Data File : VL037182.D
Acq On : 16 Jun 2021 22:43
Operator : SY/AP
Sample : M2713-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

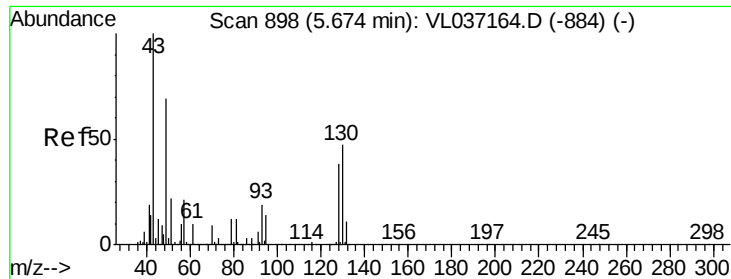
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
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Quant Time: Jun 17 15:43:18 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037182.D

Acq: 16 Jun 2021 22:43

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion: 49 Resp: 1516012

Ion Ratio Lower Upper

49 100

128 56.9 29.3 88.0

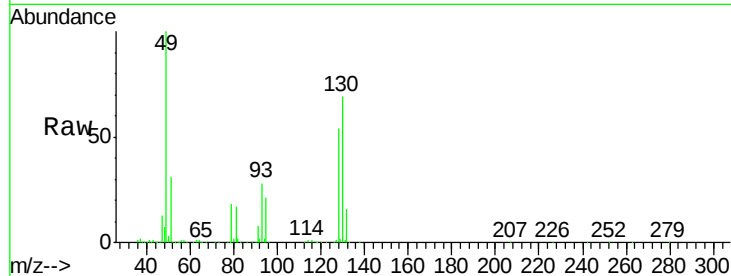
130 73.7 35.9 107.8

Manual Integrations

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

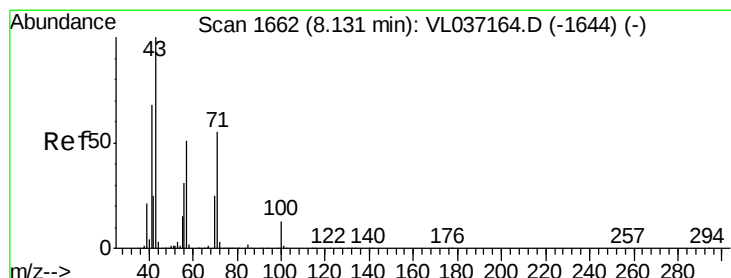
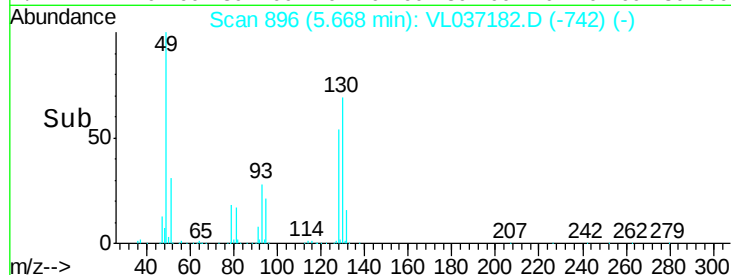
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#10

Heptane

Concen: 0.196 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL037182.D

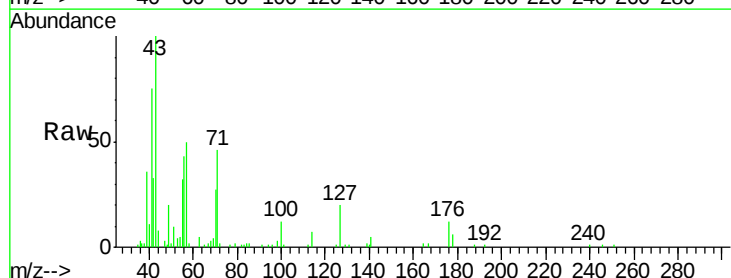
Acq: 16 Jun 2021 22:43

Tgt Ion: 43 Resp: 44845

Ion Ratio Lower Upper

43 100

57 56.9 40.6 61.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

20000

15000

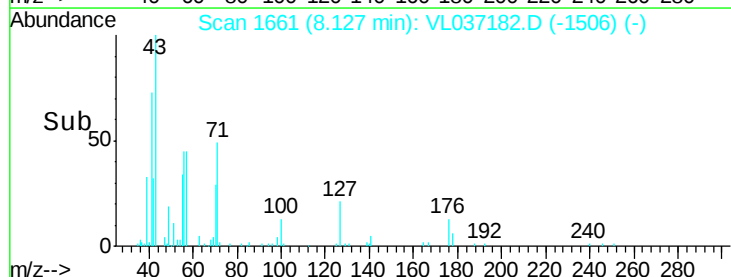
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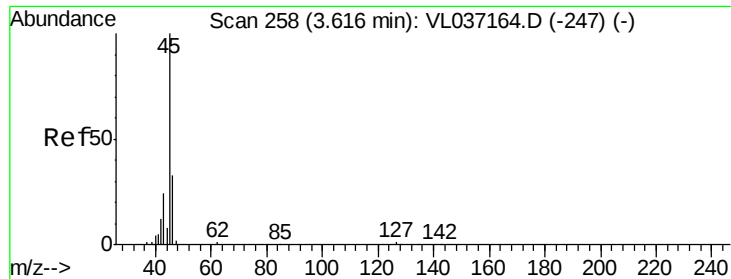
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0

8.05 8.10 8.15 8.20

Time-->





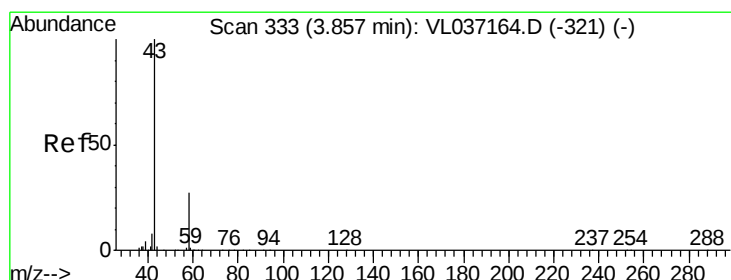
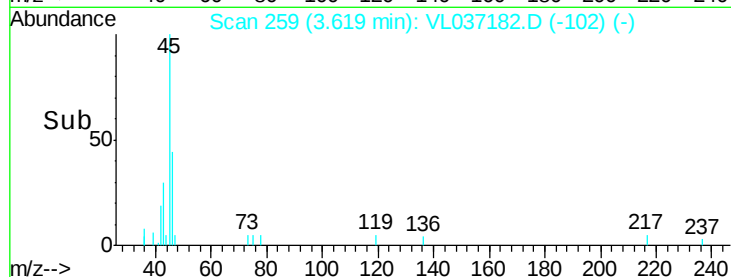
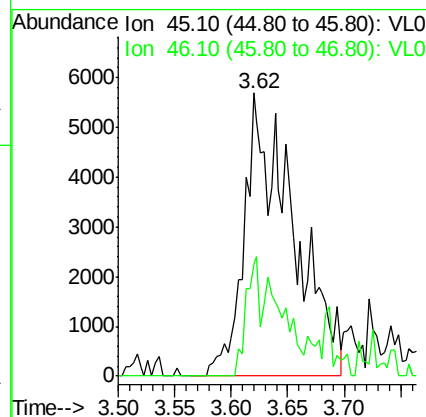
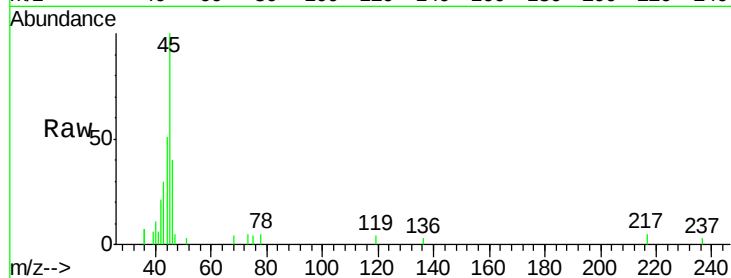
#13
Ethanol
Concen: 1.154 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.00 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 45 Resp: 16832
Ion Ratio Lower Upper
45 100
46 36.5 34.2 137.0

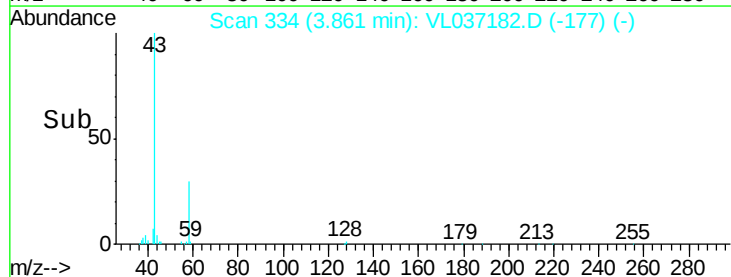
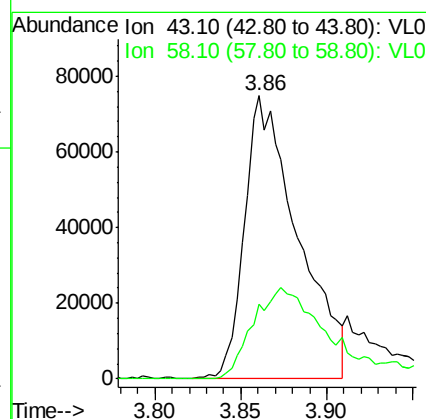
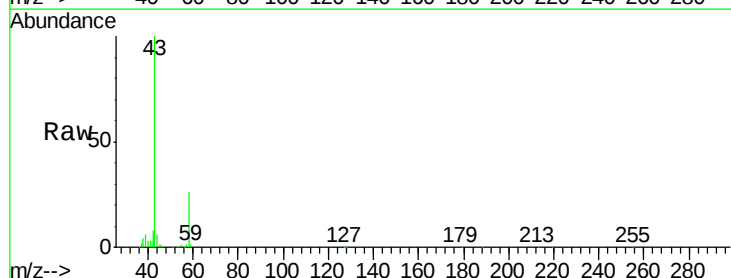
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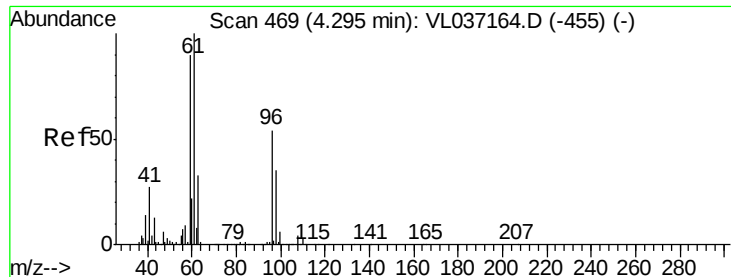
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#15
Acetone
Concen: 0.944 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Tgt Ion: 43 Resp: 161341
Ion Ratio Lower Upper
43 100
58 50.6 23.7 35.5#





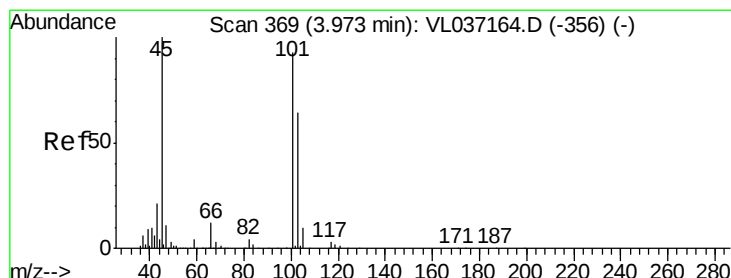
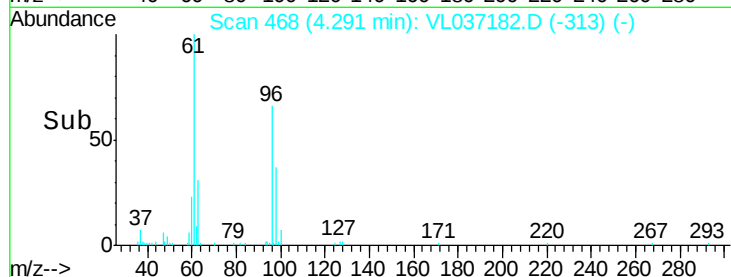
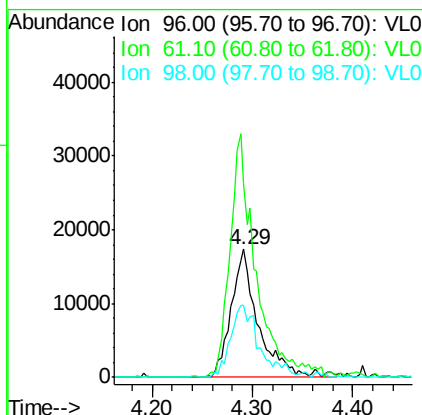
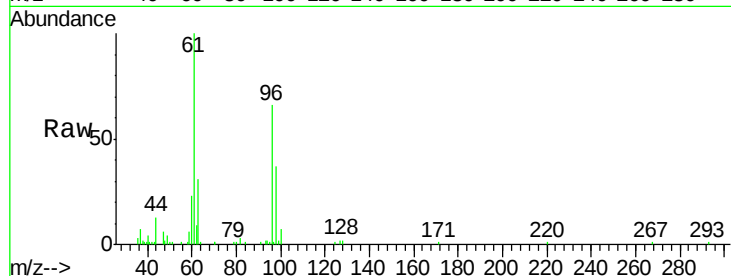
#18
 1,1-Dichloroethene
 Concen: 0.375 ppbv m
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL037182.D
 Acq: 16 Jun 2021 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	148.6	222.8
98	56.0	51.9	77.9

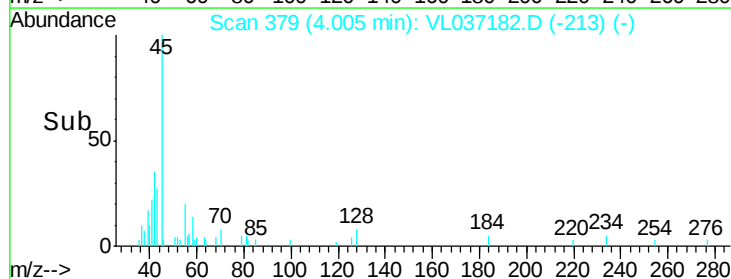
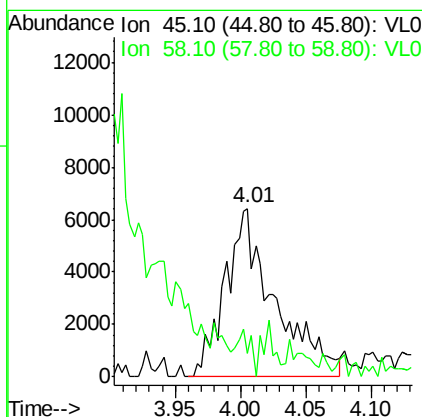
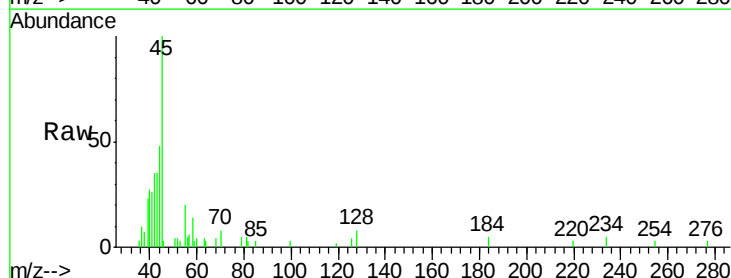
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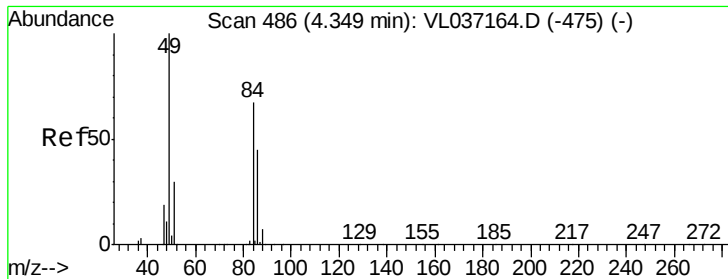
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#19
 Isopropyl Alcohol
 Concen: 0.163 ppbv m
 RT: 4.01 min Scan# 379
 Delta R.T. 0.03 min
 Lab File: VL037182.D
 Acq: 16 Jun 2021 22:43

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.4	3.6#





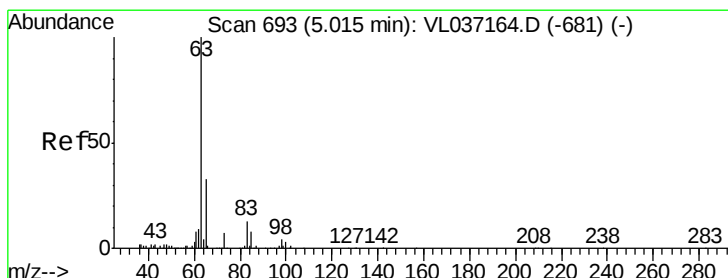
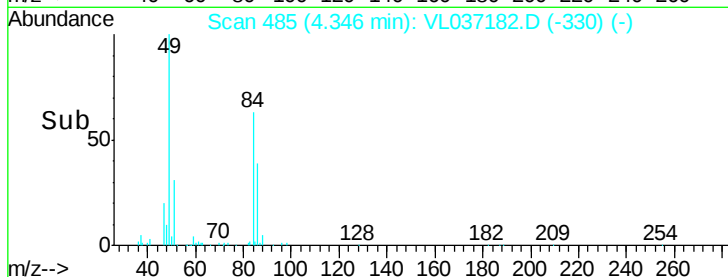
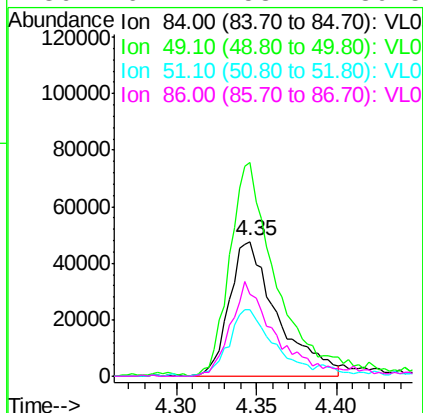
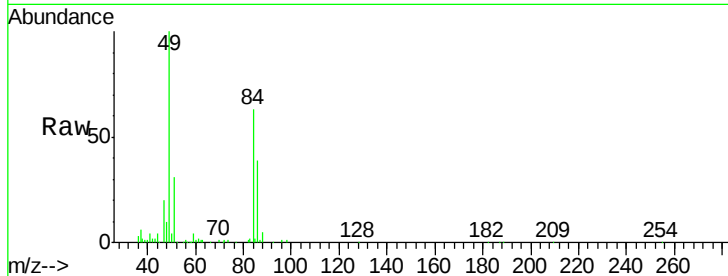
#20
Methylene Chloride
Concen: 0.956 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Instrument :
MSVOA_L
ClientSampled :
INFLUENTDL

Tot Ion	84	Resp	97877
Ion	Ratio	Lower	Upper
84	100		
49	158.2	119.7	179.5
51	49.4	36.1	54.1
86	61.2	53.7	80.5

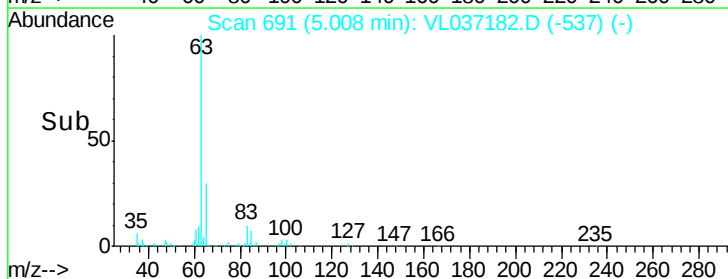
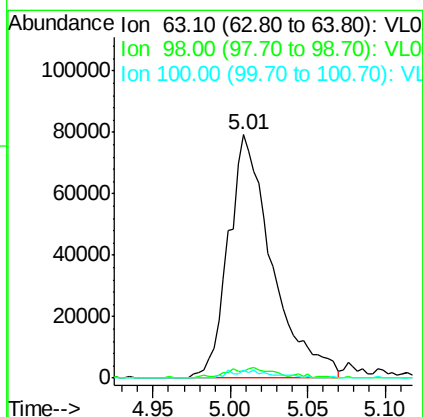
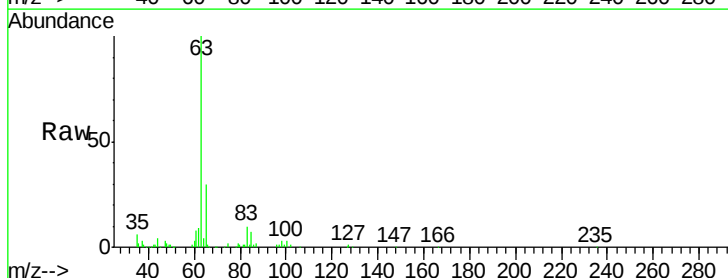
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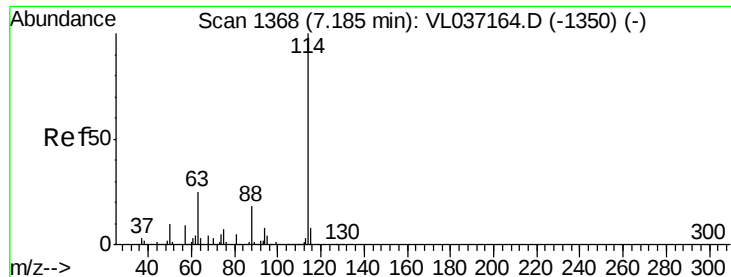
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#24
1,1-Dichloroethane
Concen: 0.781 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Tgt Ion	63	Resp	154145
Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.1	6.5
100	3.2	1.4	4.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL037182.D

Acq: 16 Jun 2021 22:43

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion:114 Resp: 4454864

Ion Ratio Lower Upper

114 100

63 24.5 19.6 29.4

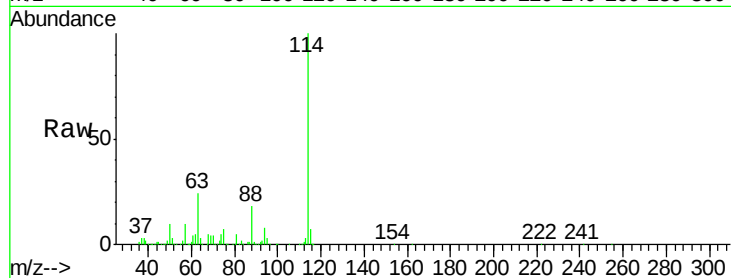
88 17.8 14.2 21.2

Manual Integrations

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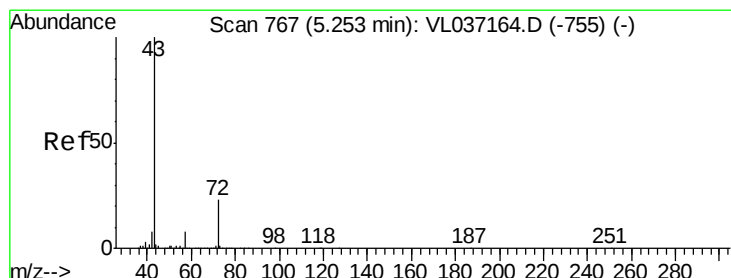
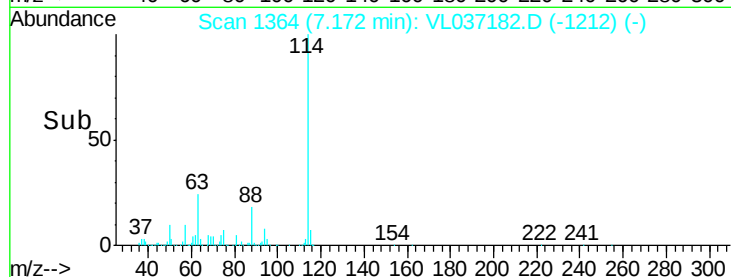
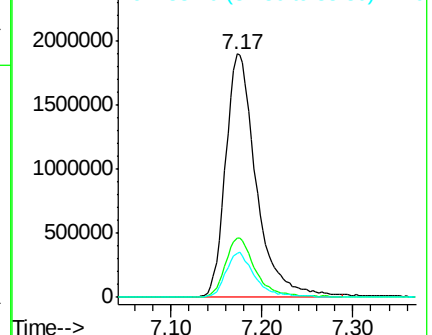
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.243 ppbv m

RT: 5.27 min Scan# 772

Delta R.T. 0.02 min

Lab File: VL037182.D

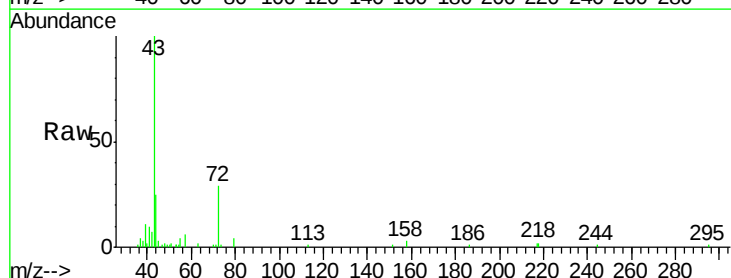
Acq: 16 Jun 2021 22:43

Tgt Ion: 43 Resp: 42055

Ion Ratio Lower Upper

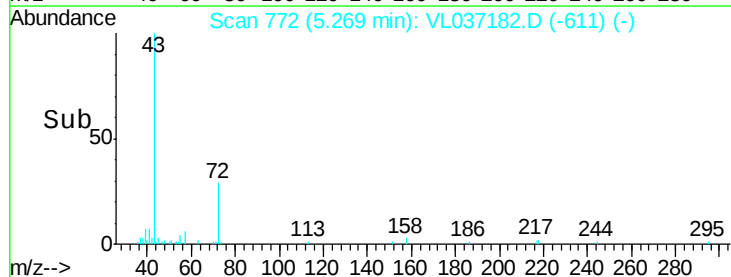
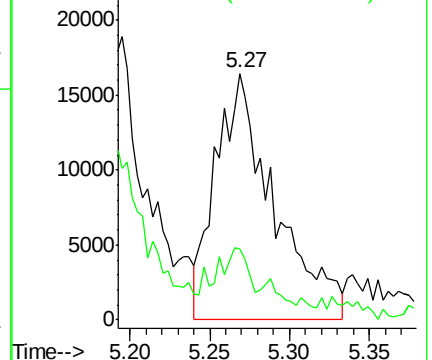
43 100

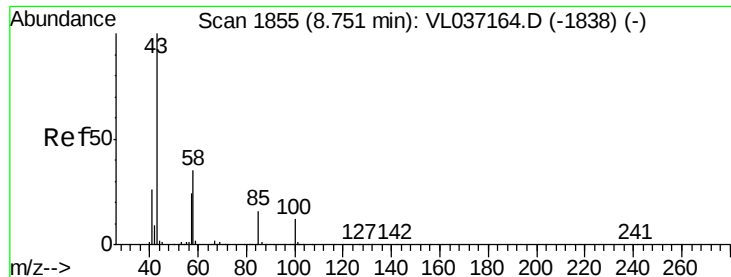
72 0.0 18.9 28.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





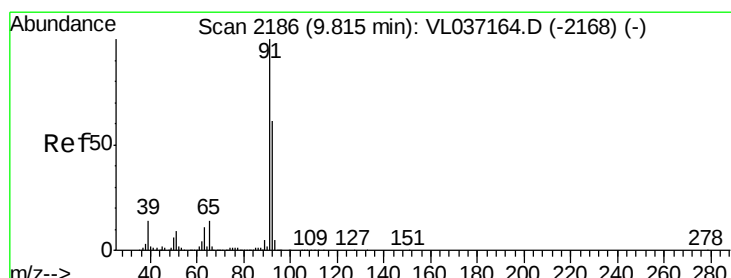
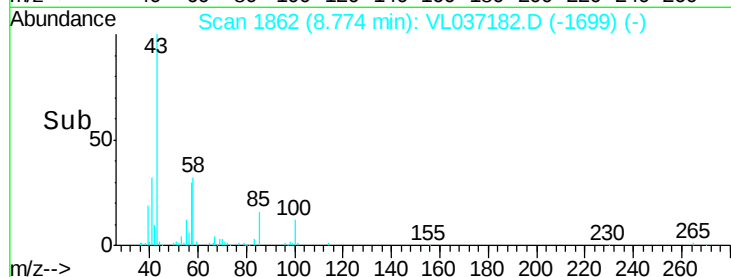
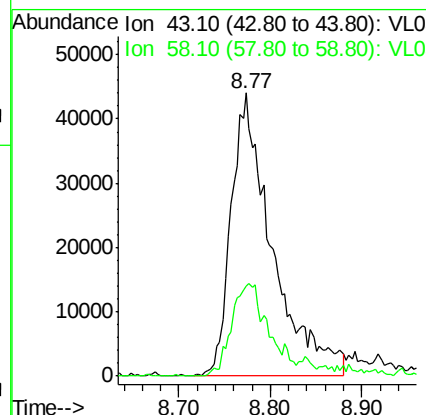
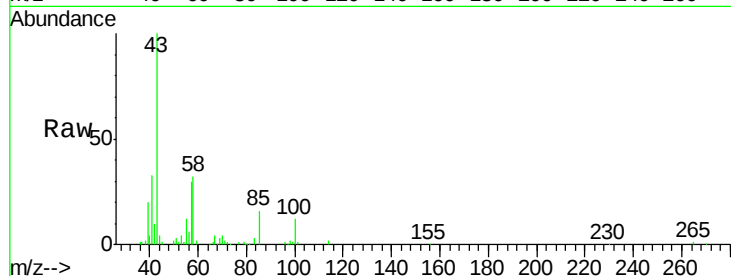
#50
4-Methyl-2-Pentanone
Concen: 0.576 ppbv m
RT: 8.77 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion	43	58	Ratio	Lower	Upper
136965	100	34.4		28.4	42.6

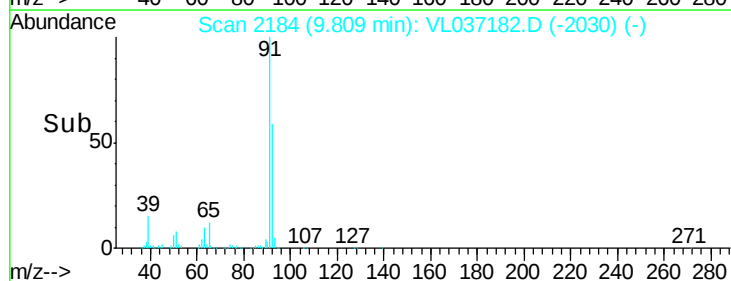
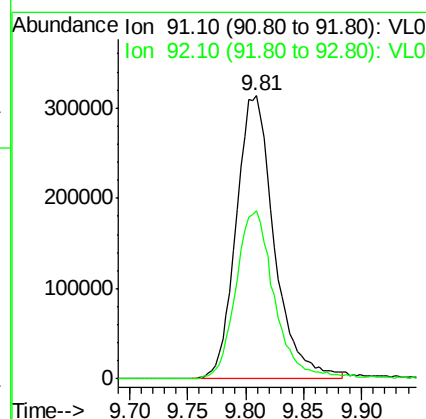
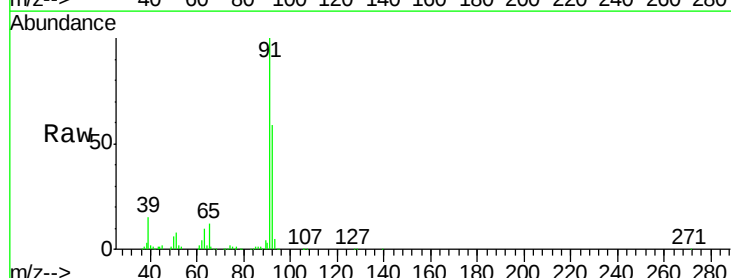
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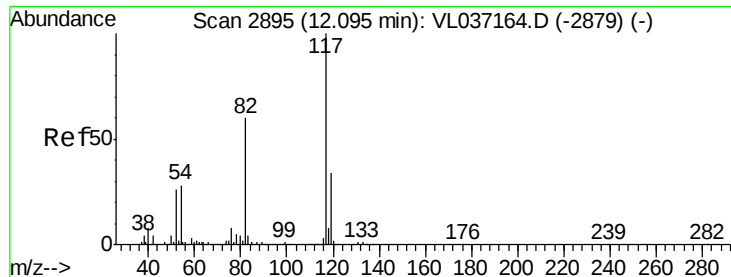
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#53
Toluene
Concen: 1.657 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Tgt Ion	91	92	Ratio	Lower	Upper
713186	100	60.6		48.3	72.5





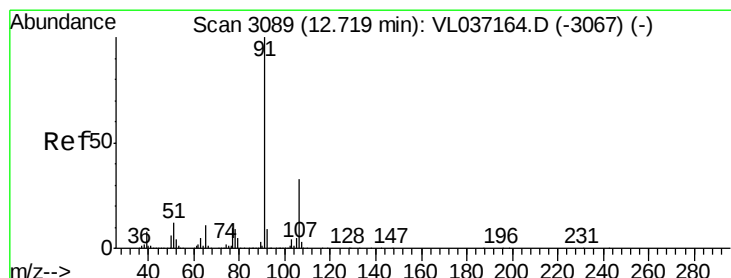
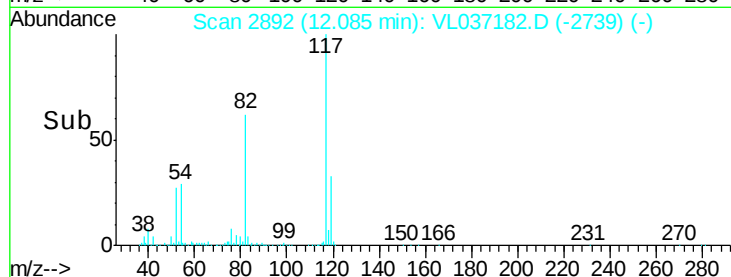
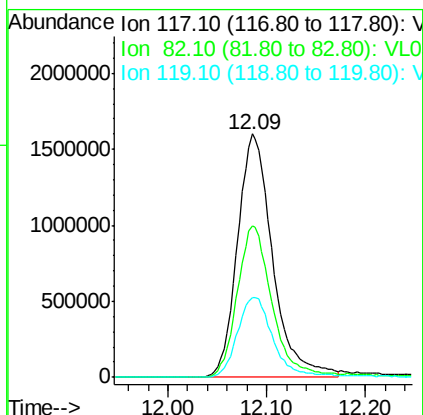
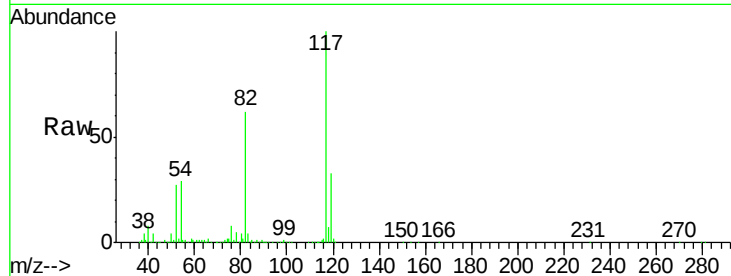
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion:117 Resp: 3953393
Ion Ratio Lower Upper
117 100
82 63.5 51.7 77.5
119 34.1 47.6 71.4#

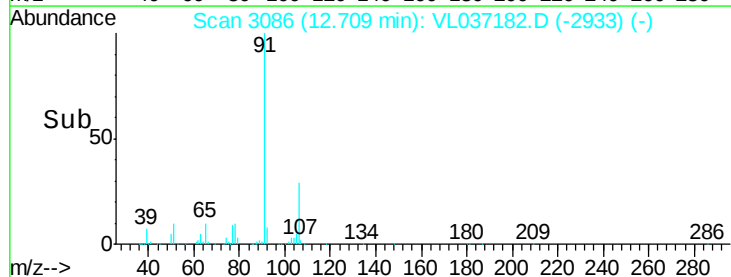
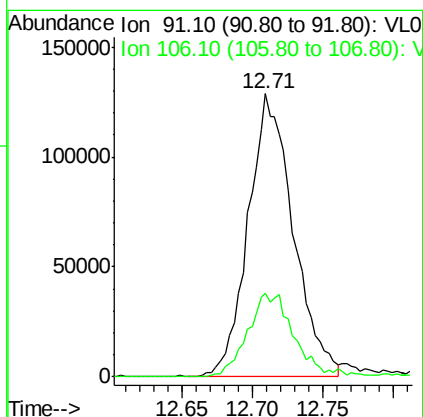
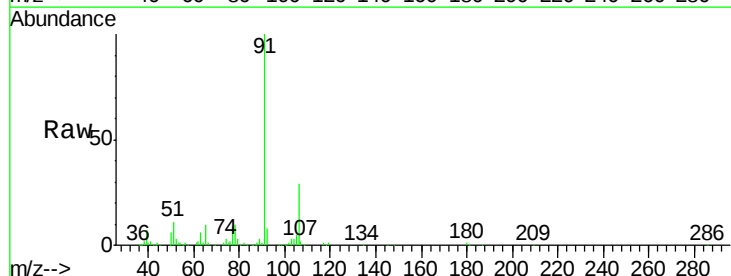
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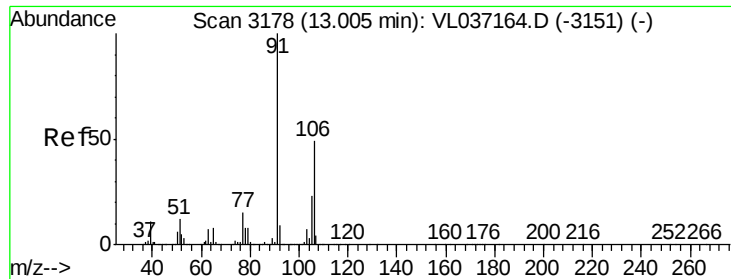
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#58
Ethyl Benzene
Concen: 0.527 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Tgt Ion: 91 Resp: 286723
Ion Ratio Lower Upper
91 100
106 29.4 26.3 39.5





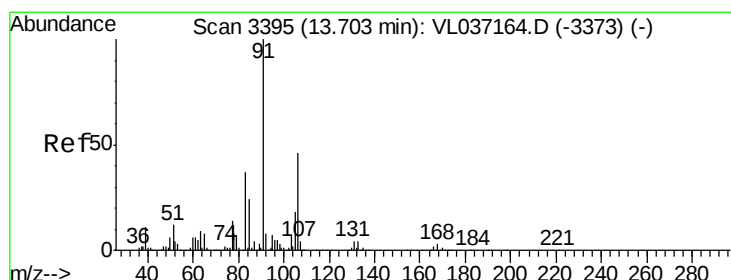
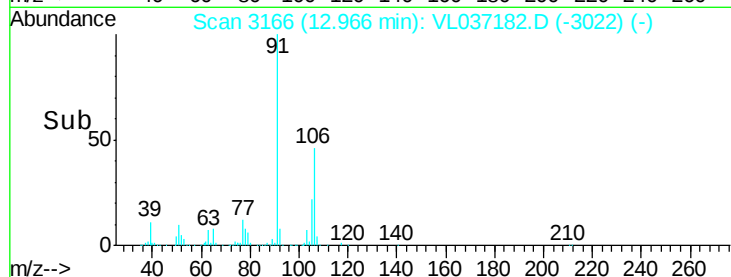
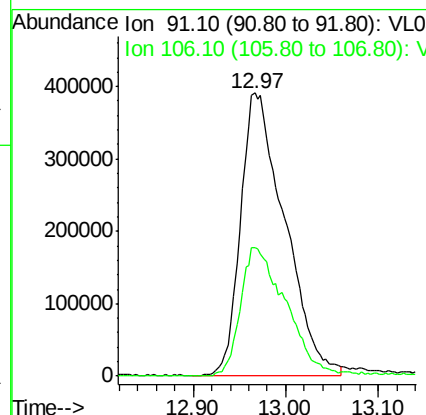
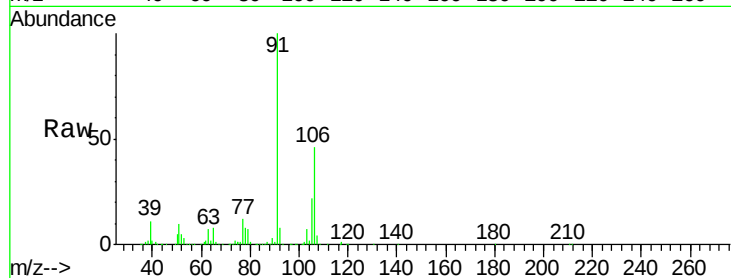
#59
m/p-Xylene
Concen: 2.811 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 91 Resp: 1296621
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#

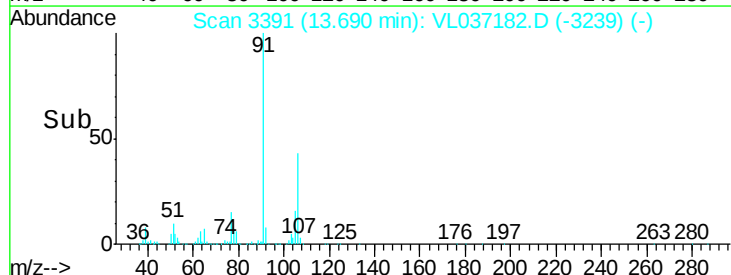
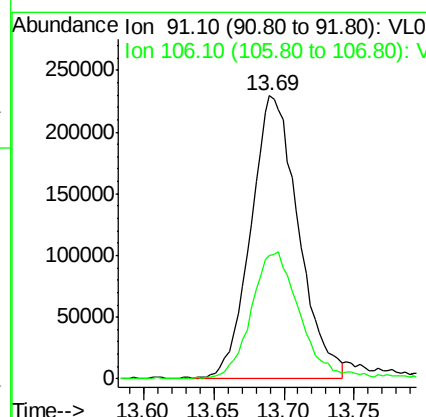
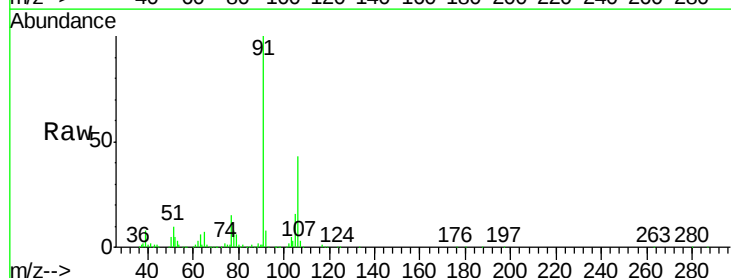
Manual Integrations
APPROVED

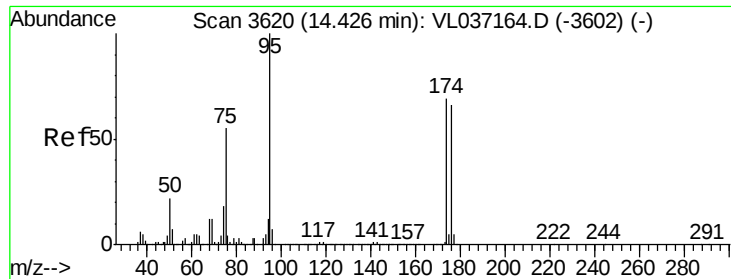
MMDadoda
6/17/2021 5:38:21 PM



#60
o-Xylene
Concen: 1.220 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037182.D
Acq: 16 Jun 2021 22:43

Tgt Ion: 91 Resp: 535771
Ion Ratio Lower Upper
91 100
106 47.3 23.0 69.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.808 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL037182.D
 Acq: 16 Jun 2021 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.7	57.0	85.4
175	5.3	4.4	6.6

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:38:21 PM

