

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
 Data File : VU038266.D
 Acq On : 21 May 2020 15:53
 Operator : JC/MD
 Sample : L2724-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T8

Manual Integrations
 APPROVED

MMDadoda
 5/22/2020 10:51:54 AM

Quant Time: May 22 01:35:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.32	114	391003	5.00	ug/L	0.04
28) Chlorobenzene-d5	9.45	117	390676	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	211556	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.64	65	121577	3.40	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.00%
7) Chloroethane-d5	1.96	69	125568	4.06	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.62	63	175318	2.93	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.79	46	364560	41.31	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.62%
24) Chloroform-d	5.15	84	233047	4.29	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.81	65	137318	4.42	ug/L	0.07
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.82	84	485243	4.14	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
36) 1,2-Dichloropropane-d6	6.76	67	165503	4.38	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.94	98	438695	4.17	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.22	79	59463	3.93	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.68	63	366951	51.34	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	164654	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	182847	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Ovalue
13) Acetone	2.82	43	126706	22.887	ug/L 64
14) Carbon disulfide	2.85	76	82993	0.857	ug/L 96
16) Methylene chloride	3.11	84	3221	0.102	ug/L 94
18) trans-1,2-Dichloroethene	3.42	96	2670	0.090	ug/L 89
19) 1,1-Dichloroethane	3.94	63	10443	0.180	ug/L 94
30) Cyclohexane	5.47	56	164272	3.108	ug/L 96
33) Benzene	5.84	78	36645681m	292.915	ug/L
35) Methylcyclohexane	6.82	83	313670	6.188	ug/L 98
42) Toluene	8.01	91	803538	6.084	ug/L 98
51) Chlorobenzene	9.48	112	9388852	114.555	ug/L 99
52) Ethylbenzene	9.59	91	18747063m	131.045	ug/L
53) m,p-Xylene	9.72	106	13051485m	237.926	ug/L
54) o-Xylene	10.12	106	2379019	44.856	ug/L 100
56) Isopropylbenzene	10.51	105	10943070	80.324	ug/L 100
62) 1,3-Dichlorobenzene	11.76	146	226701	3.293	ug/L 98
63) 1,4-Dichlorobenzene	11.85	146	1125291	16.133	ug/L 98
65) 1,2-Dichlorobenzene	12.23	146	684865	10.342	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

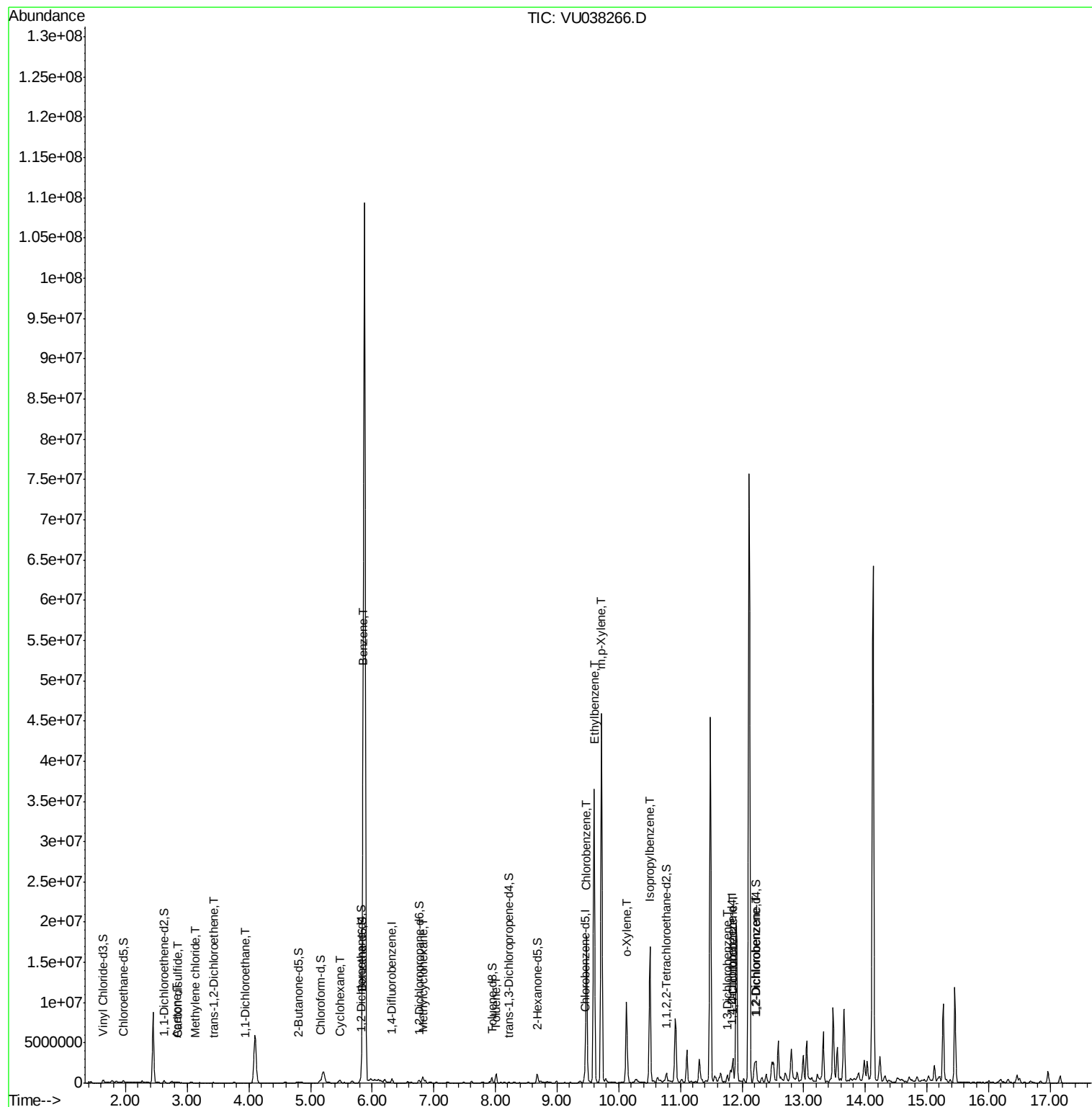
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
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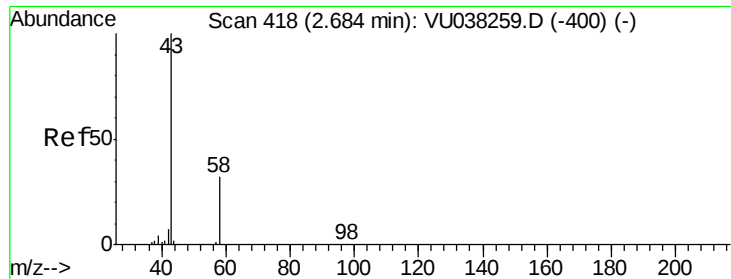
Instrument :
MSVOA_U
ClientSampleId :
BE4T8

Manual Integrations
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#13

Acetone

Concen: 22.887 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.14 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BE4T8

Tot Ion: 43 Resp: 126706

Ion Ratio Lower Upper

43 100

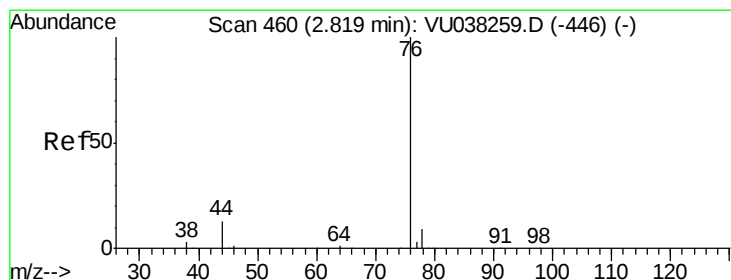
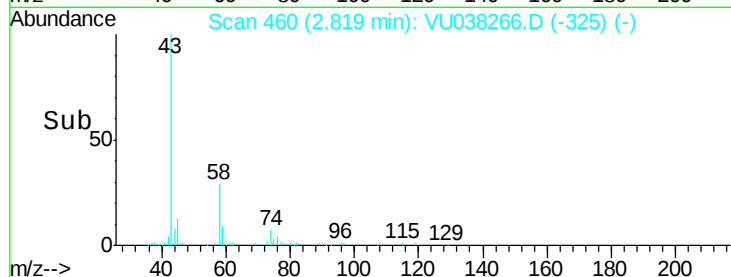
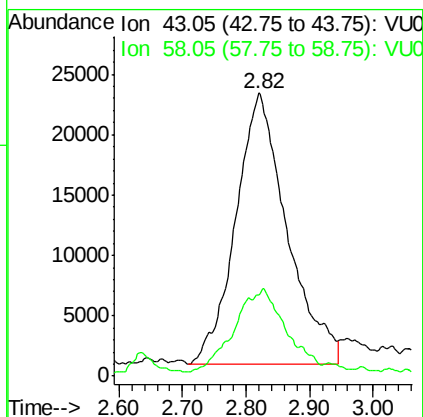
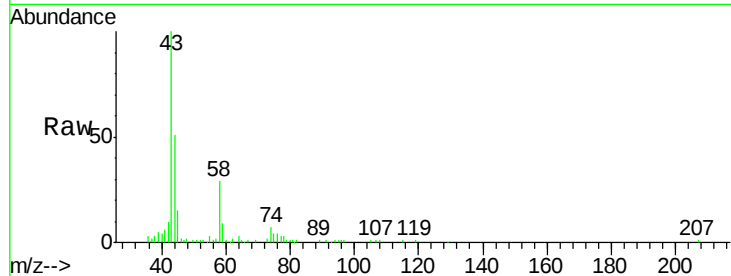
58 11.9 0.0 63.6

Manual Integrations

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#14

Carbon disulfide

Concen: 0.857 ug/L

RT: 2.85 min Scan# 470

Delta R.T. 0.03 min

Lab File: VU038266.D

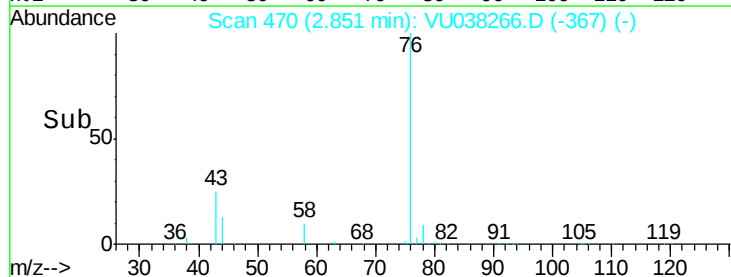
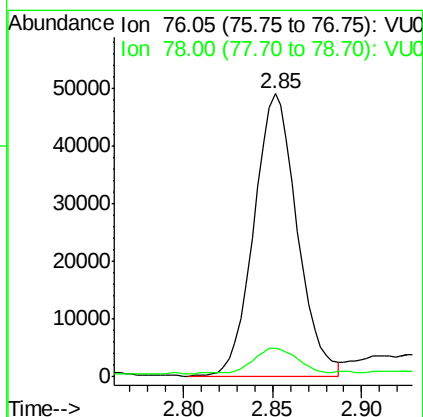
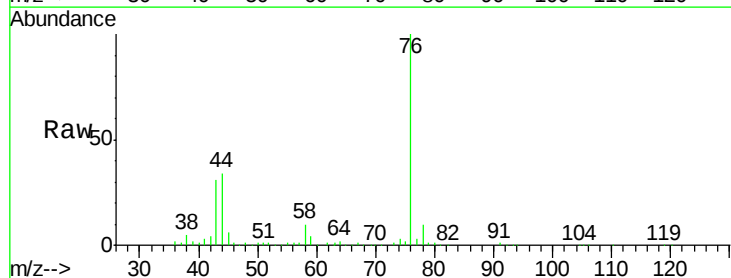
Acq: 21 May 2020 15:53

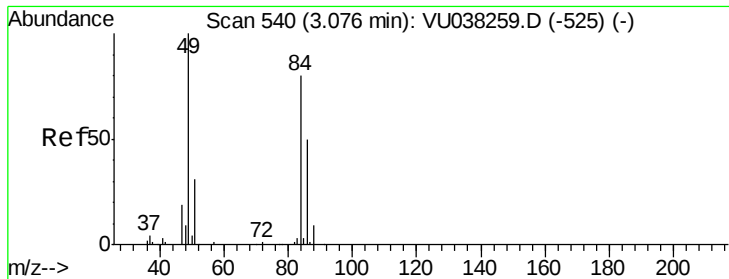
Tgt Ion: 76 Resp: 82993

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7





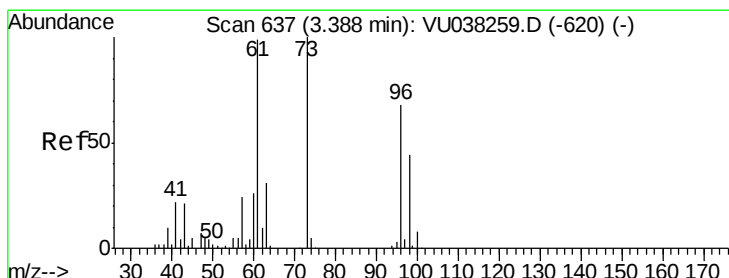
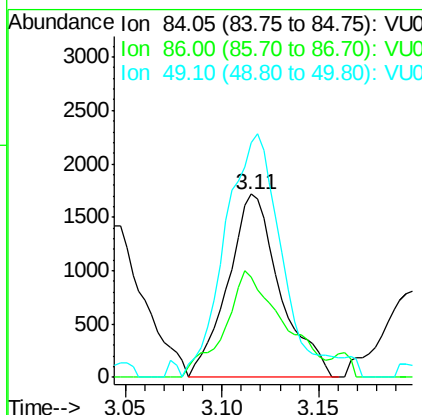
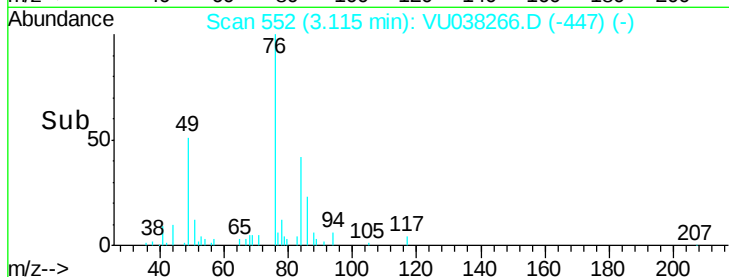
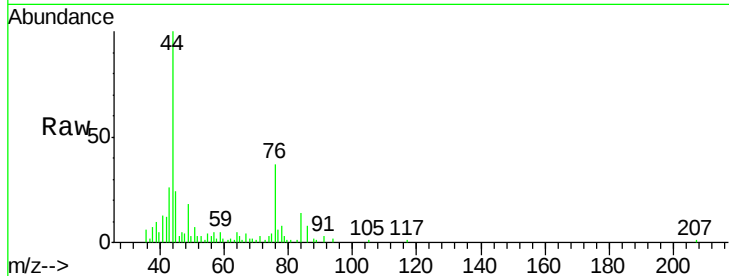
#16
Methvlene chloride
Concen: 0.102 ug/L
RT: 3.11 min Scan# 552
Delta R.T. 0.04 min
Lab File: VU038266.D
Acq: 21 May 2020 15:53

Instrument :
MSVOA_U
ClientSampled :
BE4T8

Tot Ion	84	Resp	3221
Ion	Ratio	Lower	Upper
84	100		
86	54.8	44.9	83.3
49	128.2	92.0	170.9

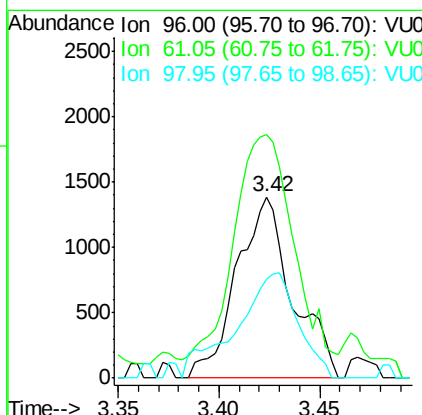
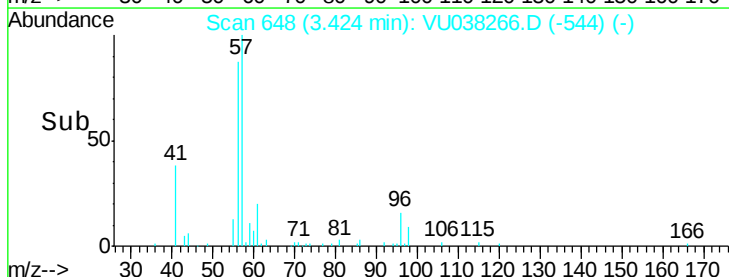
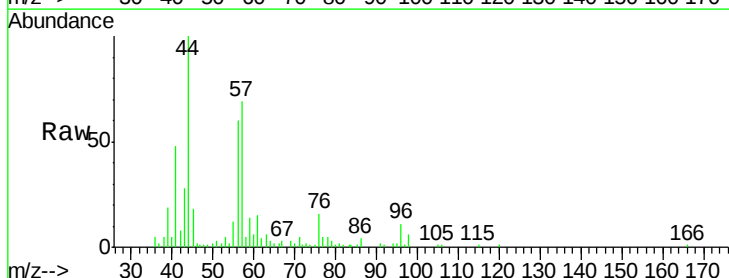
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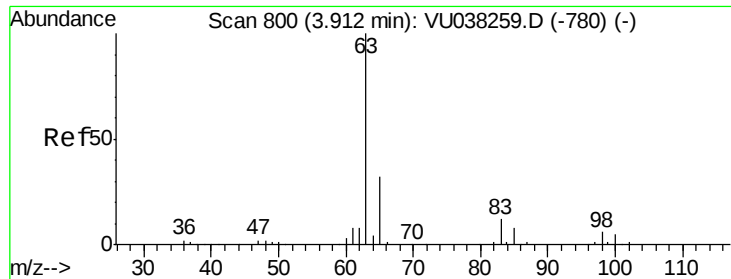
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#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.04 min
Lab File: VU038266.D
Acq: 21 May 2020 15:53

Tgt Ion	96	Resp	2670
Ion	Ratio	Lower	Upper
96	100		
61	134.5	102.1	189.5
98	54.3	45.6	84.8





#19

1,1-Dichloroethane

Concen: 0.180 ug/L

RT: 3.94 min Scan# 810

Delta R.T. 0.03 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Instrument :

MSVOA_U

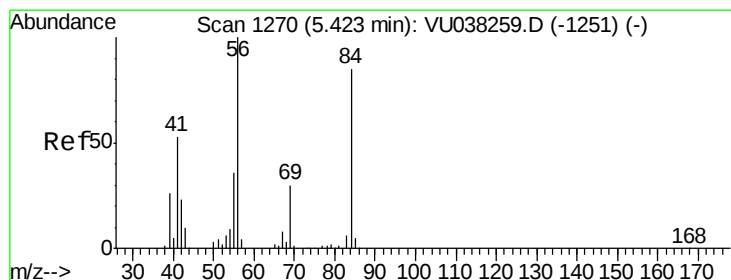
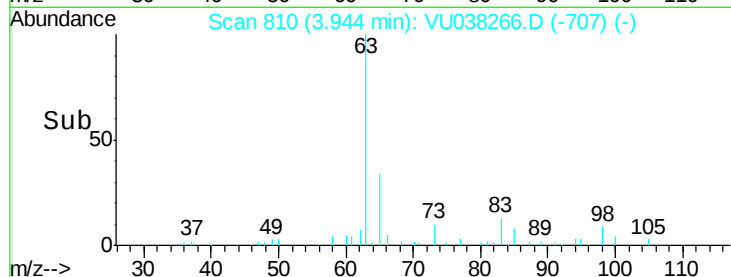
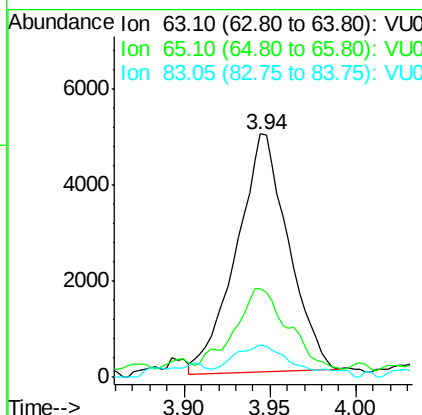
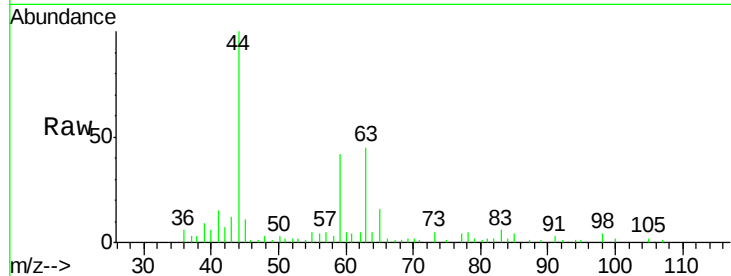
ClientSampled :

BE4T8

Tot Ion:	63	Resp:	10443
Ion	Ratio	Lower	Upper
63	100		
65	36.5	22.5	41.7
83	13.2	8.9	16.5

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#30

Cyclohexane

Concen: 3.108 ug/L

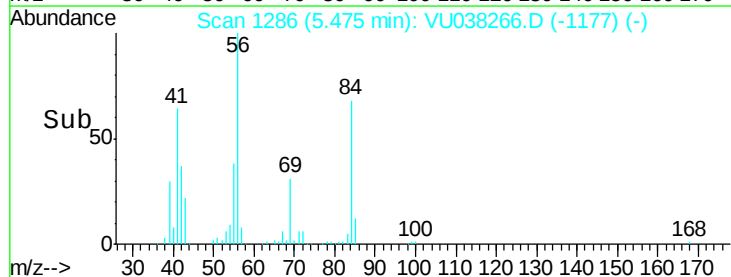
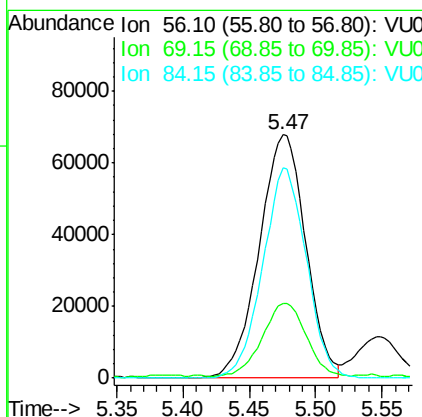
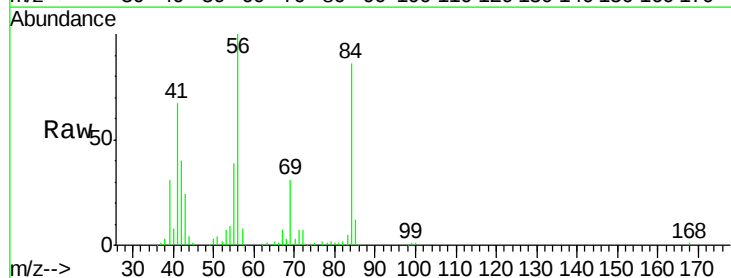
RT: 5.47 min Scan# 1286

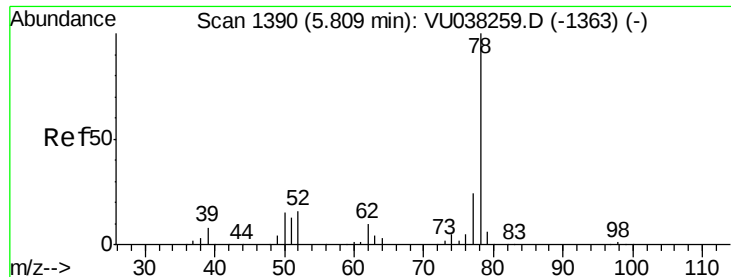
Delta R.T. 0.05 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Tgt Ion:	56	Resp:	164272
Ion	Ratio	Lower	Upper
56	100		
69	28.3	24.2	36.4
84	81.6	68.5	102.7





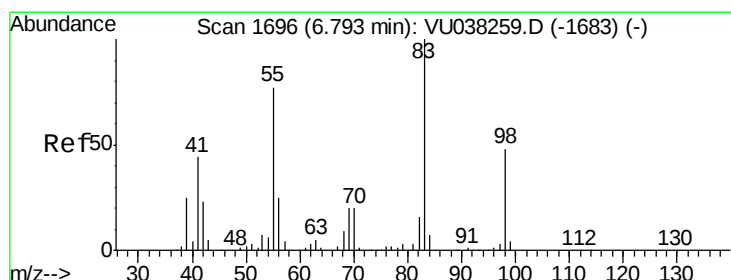
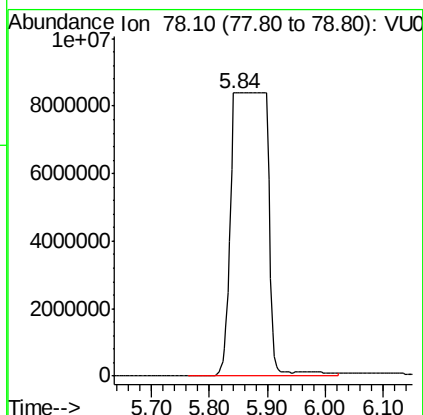
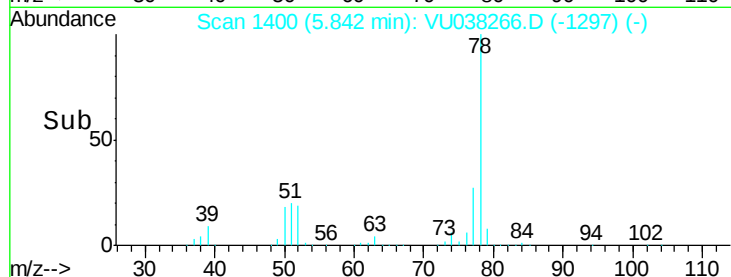
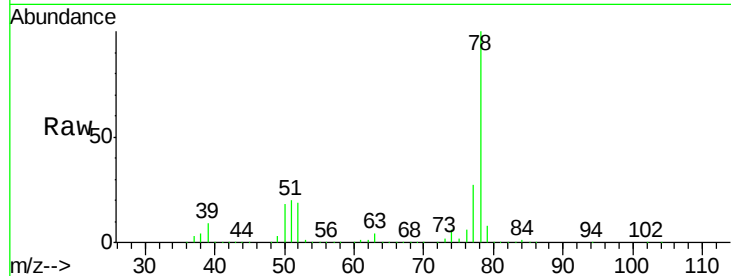
#33
Benzene
Concen: 292.915 ug/L m
RT: 5.84 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VU038266.D
Acq: 21 May 2020 15:53

Instrument :
MSVOA_U
ClientSampleId :
BE4T8

Tgt Ion: 78 Resp:36645681

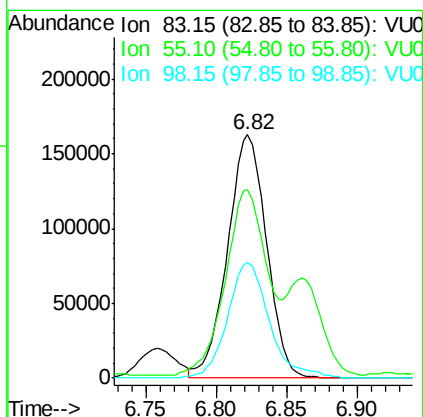
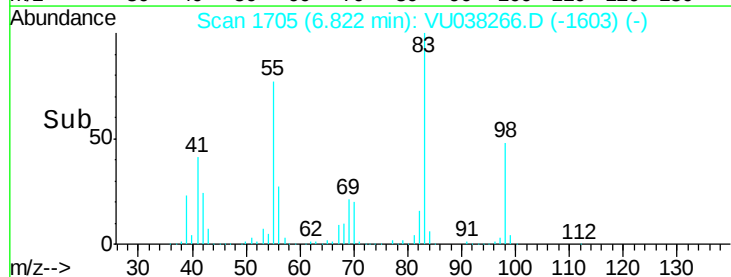
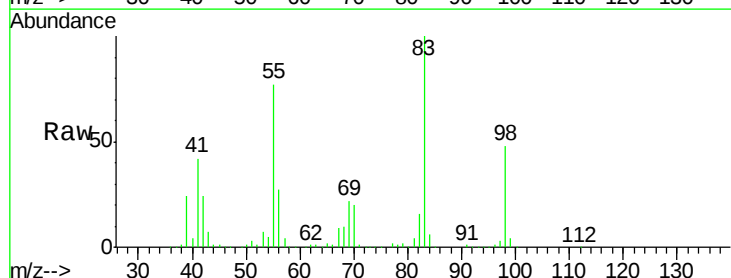
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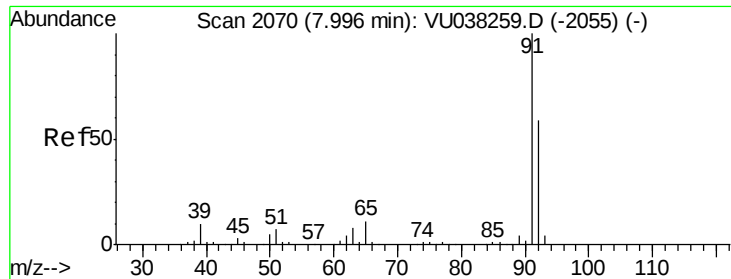
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5/22/2020 10:51:54 AM



#35
Methylcyclohexane
Concen: 6.188 ug/L
RT: 6.82 min Scan# 1705
Delta R.T. 0.03 min
Lab File: VU038266.D
Acq: 21 May 2020 15:53

Tgt Ion: 83 Resp: 313670
Ion Ratio Lower Upper
83 100
55 81.9 66.7 100.1
98 51.0 39.4 59.2





#42

Toluene

Concen: 6.084 ug/L

RT: 8.01 min Scan# 2075

Delta R.T. 0.02 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BE4T8

Tot Ion: 91 Resp: 803538

Ion Ratio Lower Upper

91 100

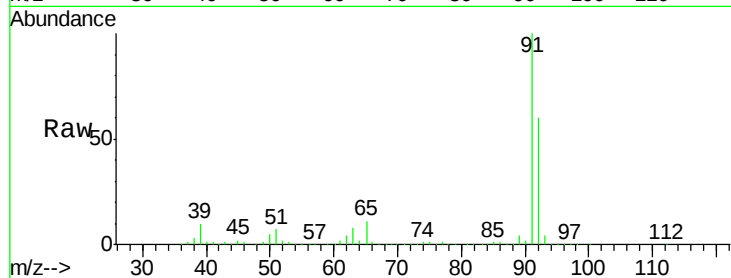
92 59.6 40.9 75.9

Manual Integrations

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5/22/2020 10:51:54 AM



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)

8.01

500000

400000

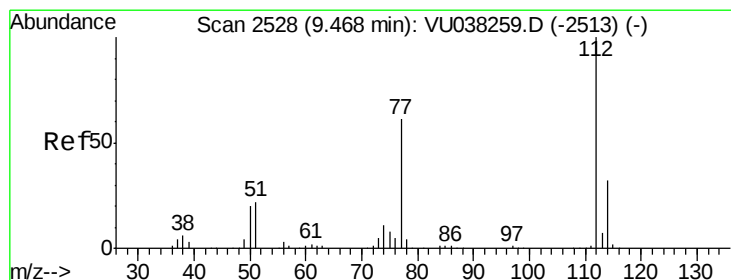
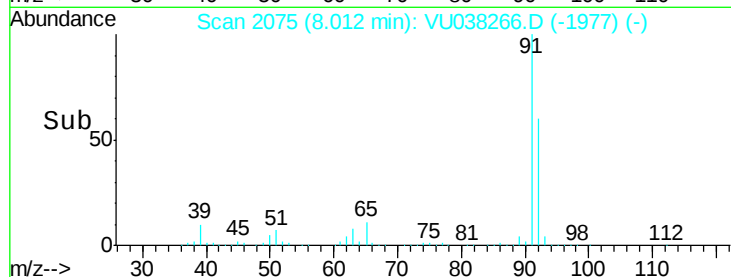
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 114.555 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.01 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

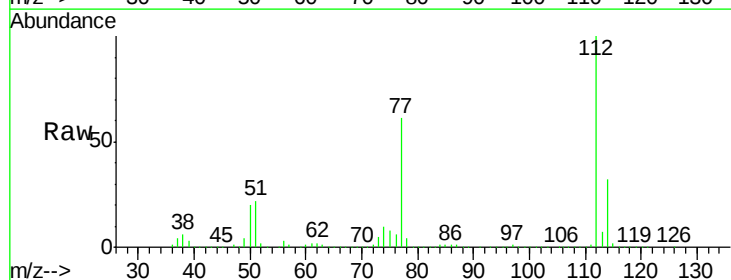
Tgt Ion: 112 Resp: 9388852

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 61.1 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038259.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038259.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038259.D (-2513) (-)

9.48

8000000

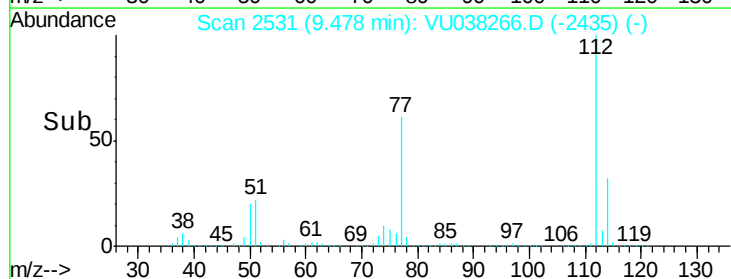
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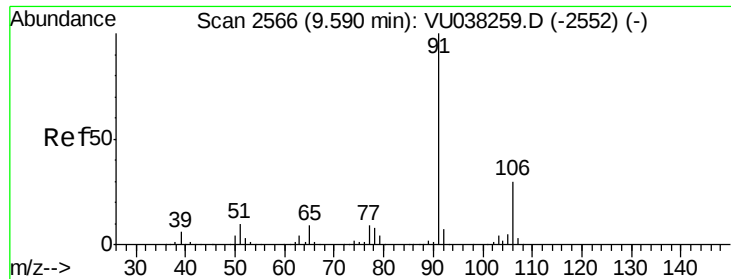
4000000

2000000

0

Time-->





#52

Ethylbenzene

Concen: 131.045 ug/L m

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BE4T8

Tot Ion: 91 Resp:18747063

Ion Ratio Lower Upper

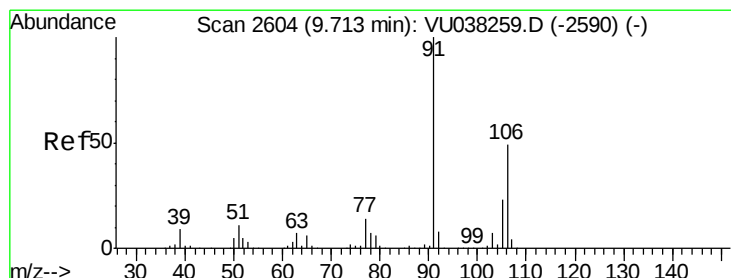
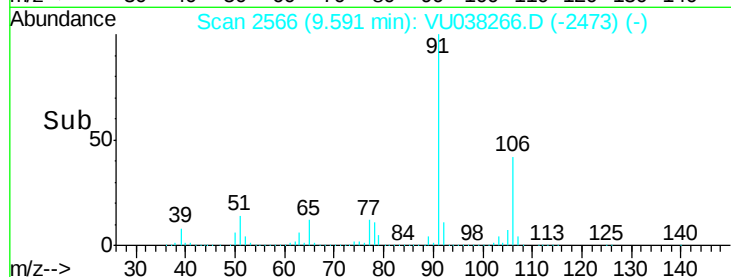
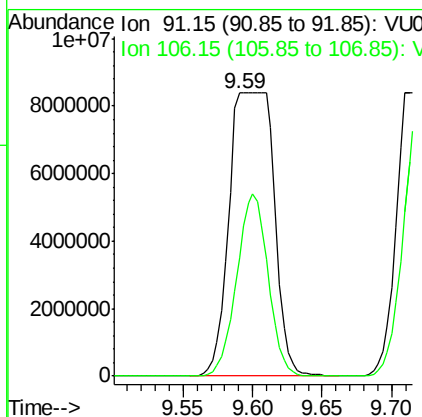
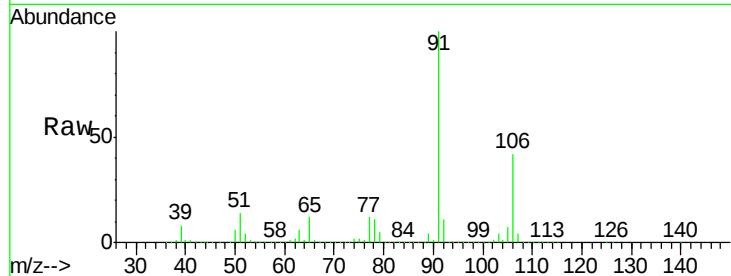
91 100

106 41.7 21.8 40.4#

Manual Integrations
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#53

m,p-Xylene

Concen: 237.926 ug/L m

RT: 9.72 min Scan# 2606

Delta R.T. 0.01 min

Lab File: VU038266.D

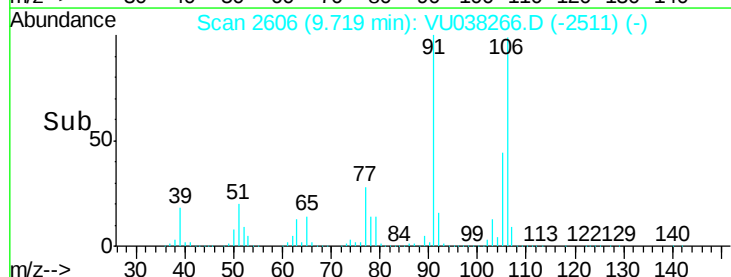
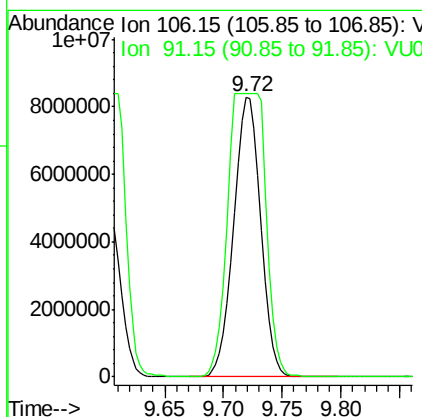
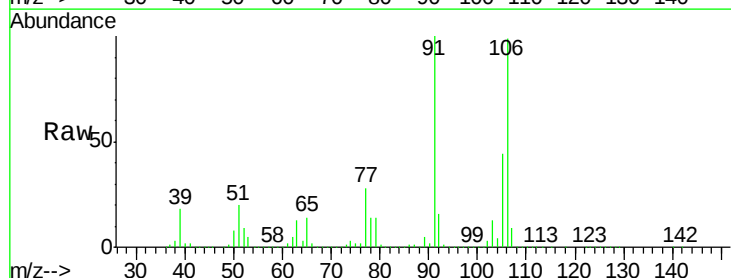
Acq: 21 May 2020 15:53

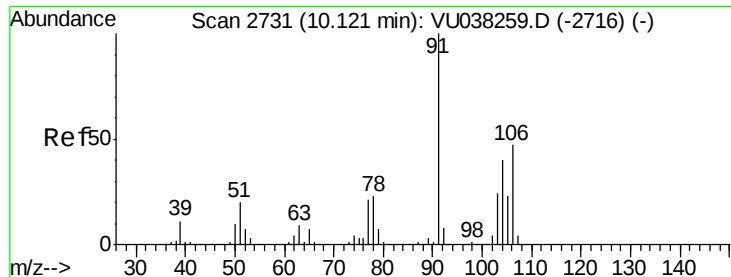
Tgt Ion:106 Resp:13051485

Ion Ratio Lower Upper

106 100

91 101.1 142.1 263.9#





#54

o-Xylene

Concen: 44.856 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Instrument :

MSVOA_U

ClientSampled :

BE4T8

Tot Ion:106 Resp: 2379019

Ion Ratio Lower Upper

106 100

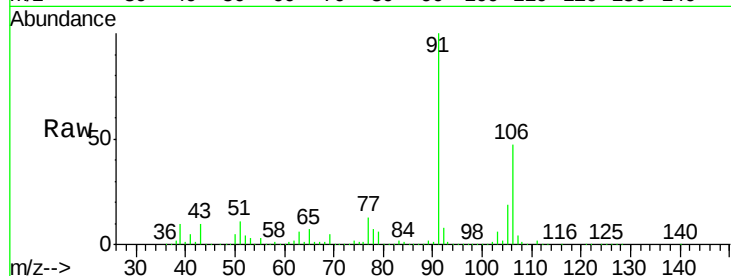
91 211.8 148.5 275.9

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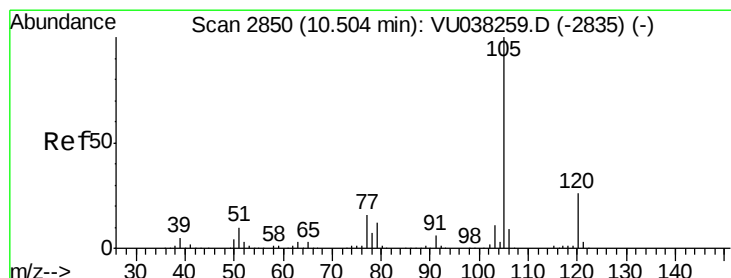
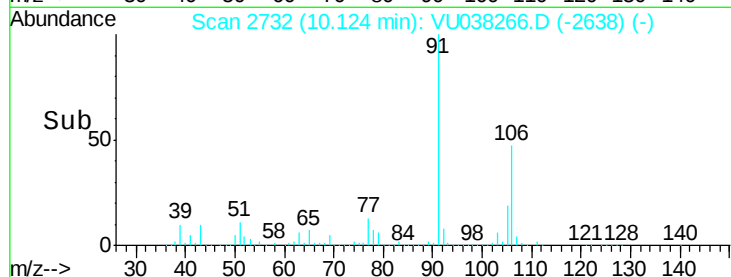
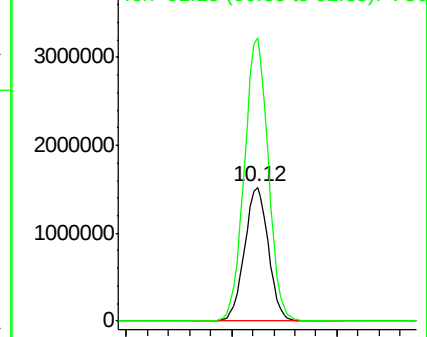
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 80.324 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

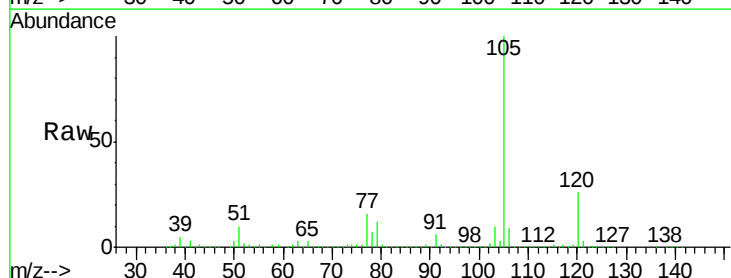
Tgt Ion:105 Resp:10943070

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

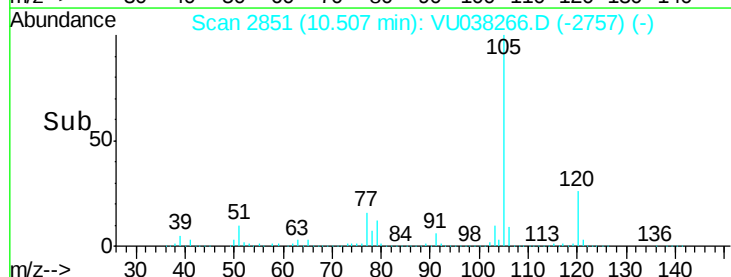
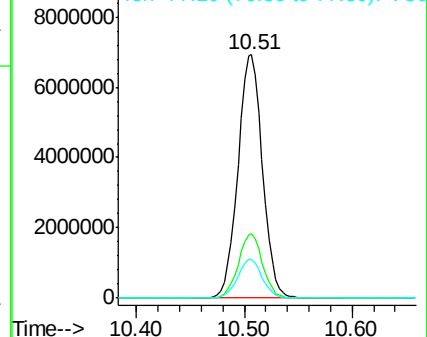
77 15.9 13.0 19.4

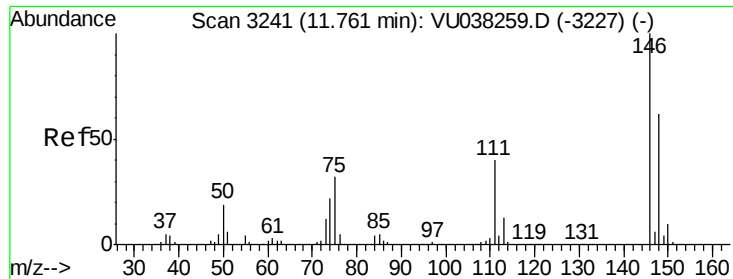


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#62

1,3-Dichlorobenzene

Concen: 3.293 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Instrument :

MSVOA_U

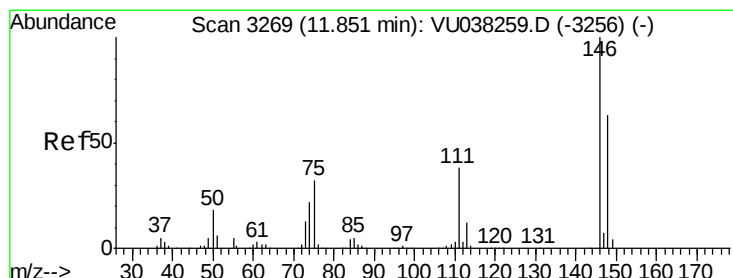
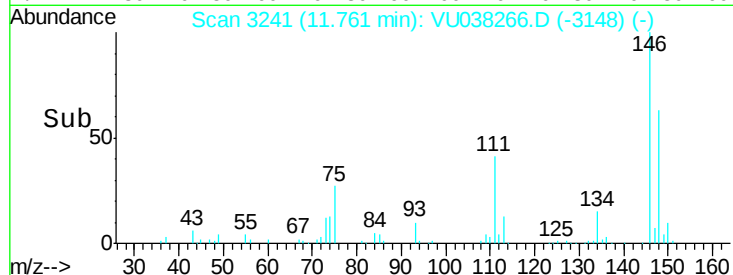
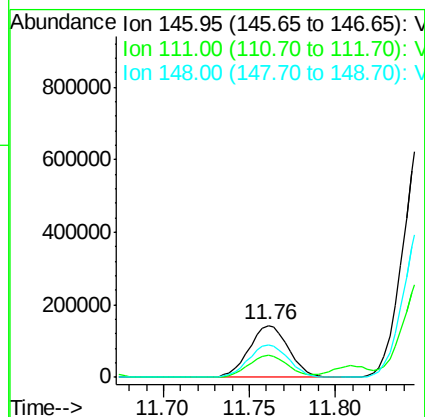
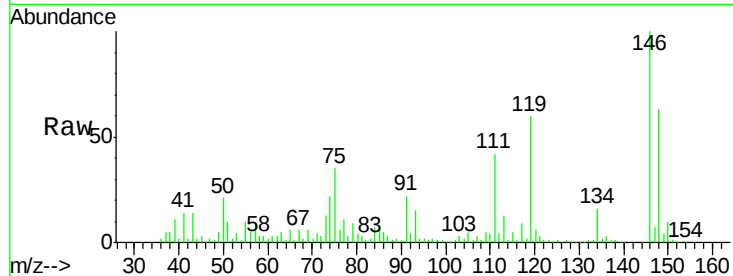
ClientSampled :

BE4T8

Tot Ion:	146	Resp:	226701
Ion Ratio	Lower	Upper	
146	100		
111	42.3	28.6	53.2
148	63.4	45.2	84.0

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#63

1,4-Dichlorobenzene

Concen: 16.133 ug/L

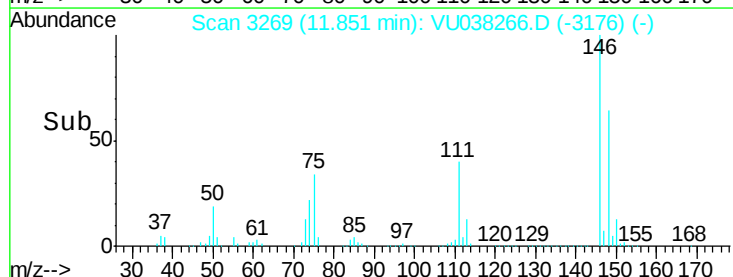
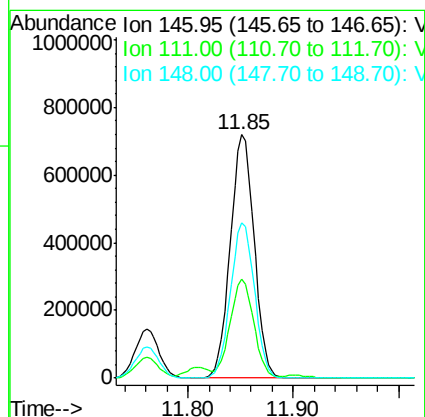
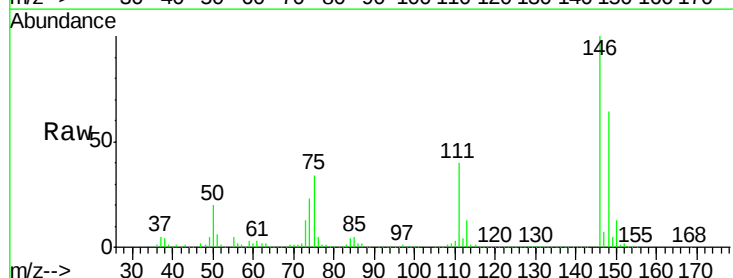
RT: 11.85 min Scan# 3269

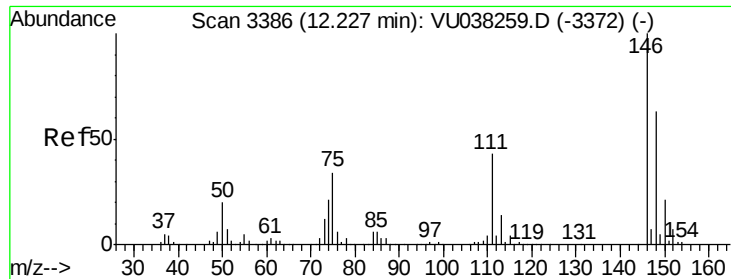
Delta R.T. 0.00 min

Lab File: VU038266.D

Acq: 21 May 2020 15:53

Tgt Ion:	146	Resp:	1125291
Ion Ratio	Lower	Upper	
146	100		
111	40.4	27.2	50.6
148	63.7	43.8	81.3





#65
 1,2-Dichlorobenzene
 Concen: 10.342 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038266.D
 Acq: 21 May 2020 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T8

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	35.3	52.9
148	63.3	51.0	76.4

Manual Integrations
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