

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
 Data File : VU038267.D
 Acq On : 21 May 2020 16:16
 Operator : JC/MD
 Sample : L2724-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T9

Manual Integrations
 APPROVED

MMDadoda
 5/22/2020 10:51:59 AM

Quant Time: May 22 02:08:17 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	465811	5.00	ug/L	0.04
28) Chlorobenzene-d5	9.45	117	457571	5.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.83	152	225126	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.64	65	132377	3.11	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	1.96	69	158048	4.29	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.62	63	202778	2.85	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.79	46	462603	44.01	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.02%
24) Chloroform-d	5.16	84	285416	4.41	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.80	65	160669	4.34	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.82	84	587792	4.29	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.76	67	199881	4.52	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.94	98	543255	4.41	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.22	79	70654	3.99	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.68	63	464467	55.49	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.98%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	177235	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	204889	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.99	64	299325	9.673	ug/L	95
13) Acetone	2.81	43	61462m	9.319	ug/L	
14) Carbon disulfide	2.85	76	18042	0.156	ug/L #	81
18) trans-1,2-Dichloroethene	3.42	96	50785	1.439	ug/L	99
19) 1,1-Dichloroethane	3.94	63	21284	0.309	ug/L	94
30) Cyclohexane	5.48	56	427459	6.906	ug/L	98
33) Benzene	5.86	78	13685298	93.397	ug/L	100
35) Methylcyclohexane	6.83	83	399188	6.724	ug/L	98
42) Toluene	8.01	91	2146809	13.879	ug/L	99
51) Chlorobenzene	9.47	112	23843559m	248.389	ug/L	
52) Ethylbenzene	9.60	91	4931081	29.430	ug/L	100
53) m,p-Xylene	9.72	106	712483	11.090	ug/L	99
54) o-Xylene	10.12	106	1046805	16.852	ug/L	100
56) Isopropylbenzene	10.50	105	4643760	29.103	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	368091	5.025	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	1824720	24.584	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	757418	10.748	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

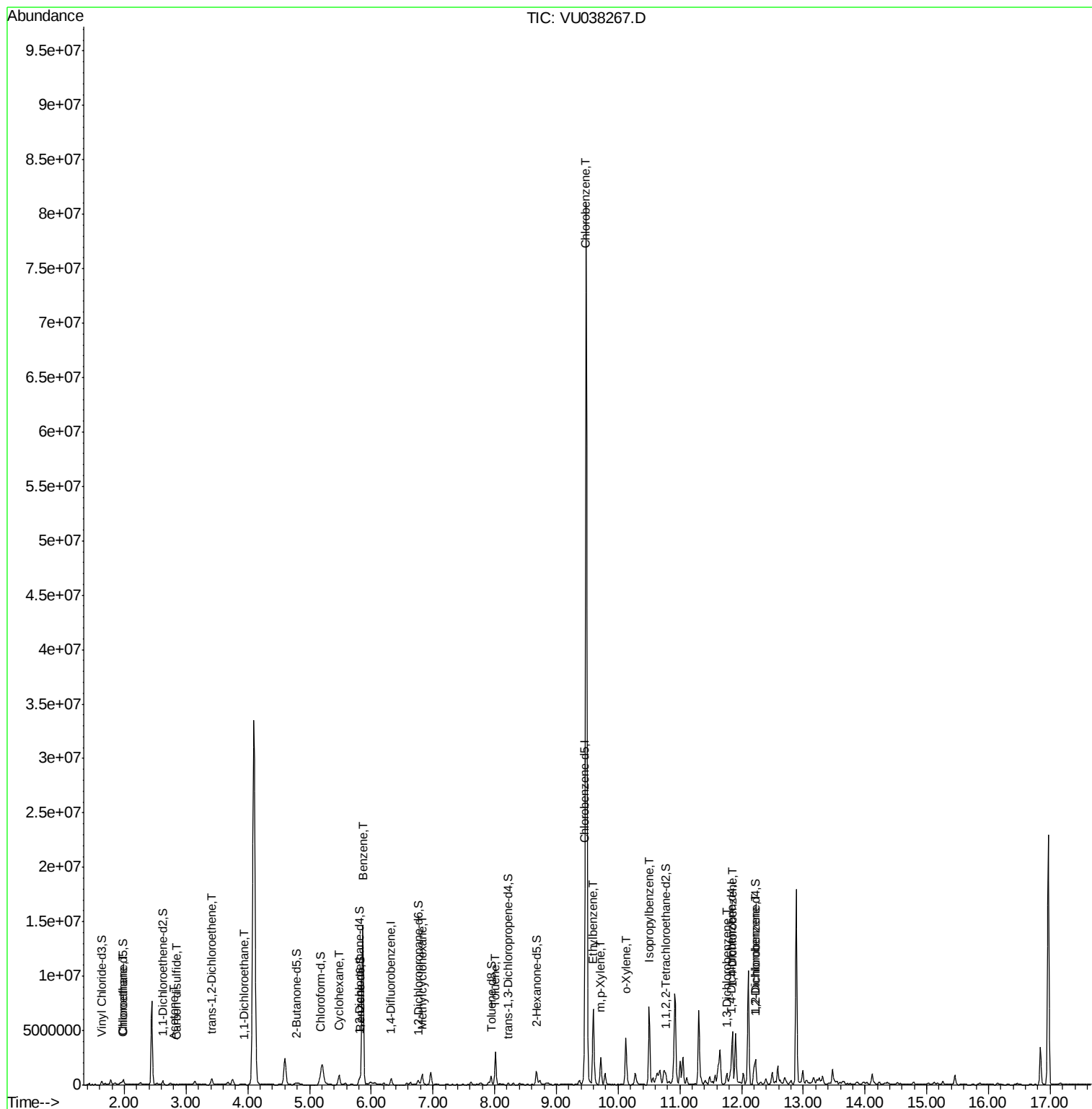
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
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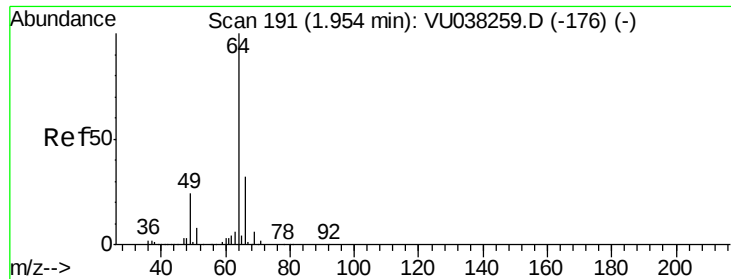
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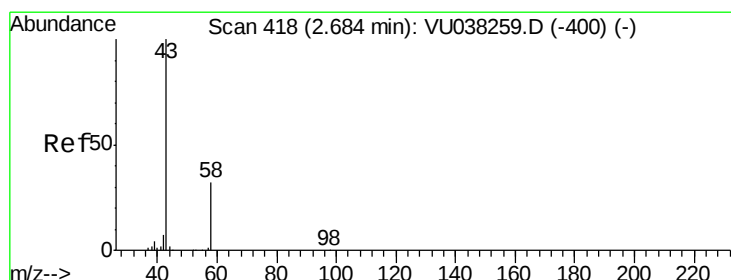
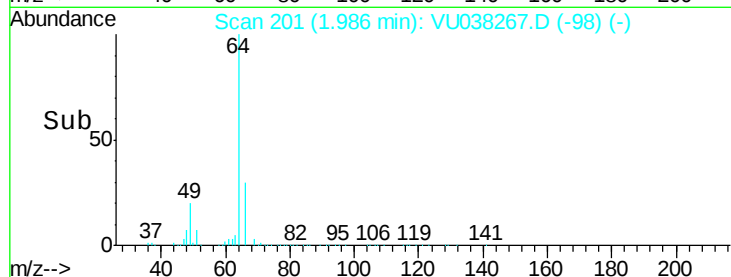
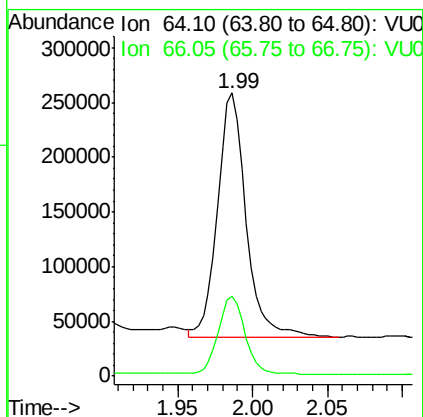
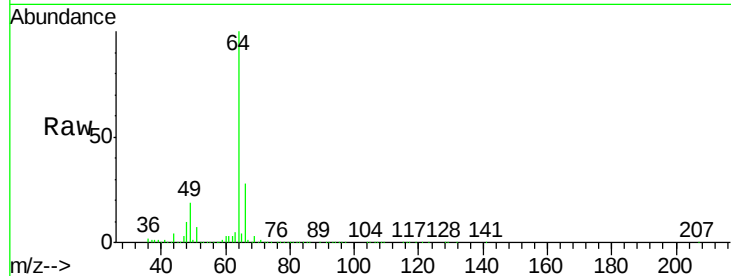
#8
Chloroethane
Concen: 9.673 ug/L
RT: 1.99 min Scan# 201
Delta R.T. 0.03 min
Lab File: VU038267.D
Acq: 21 May 2020 16:16

Instrument :
MSVOA_U
ClientSampleId :
BE4T9

Tot Ion	Ratio	Lower	Upper
64	100		
66	28.3	21.8	40.4

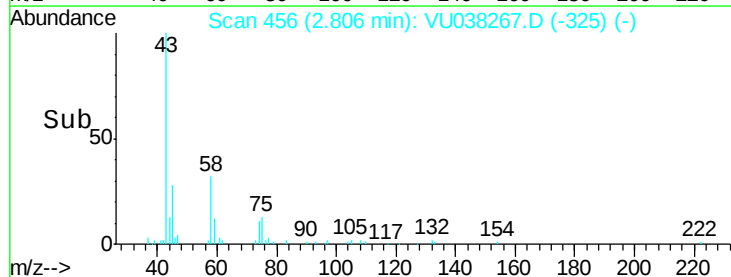
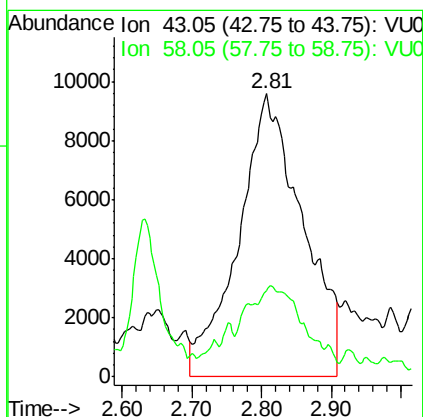
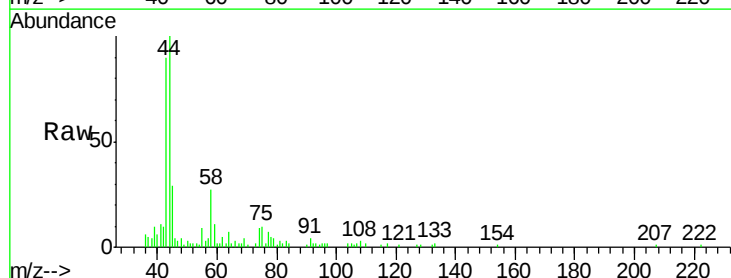
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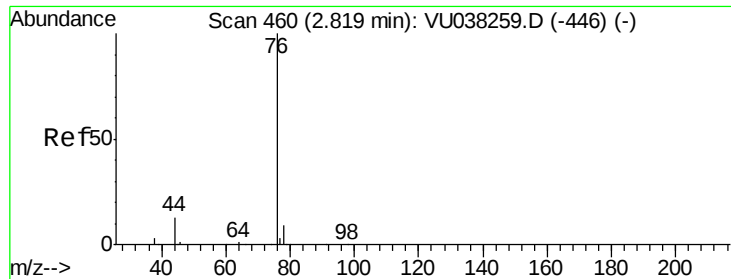
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#13
Acetone
Concen: 9.319 ug/L m
RT: 2.81 min Scan# 456
Delta R.T. 0.12 min
Lab File: VU038267.D
Acq: 21 May 2020 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.3	0.0	63.6





#14

Carbon disulfide

Concen: 0.156 ug/L

RT: 2.85 min Scan# 470

Delta R.T. 0.03 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Instrument :

MSVOA_U

ClientSampled :

BE4T9

Tot Ion: 76 Resp: 18042

Ion Ratio Lower Upper

76 100

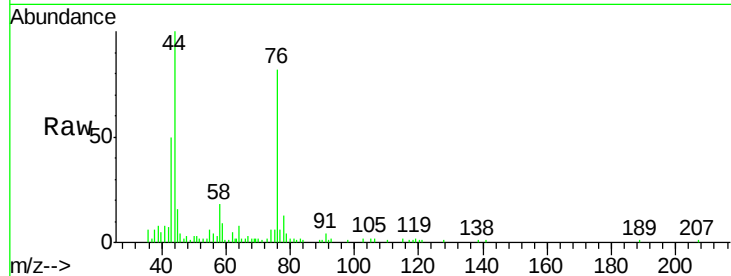
78 15.8 7.1 10.7#

Manual Integrations

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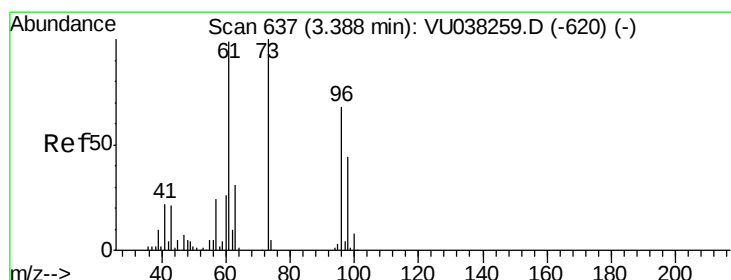
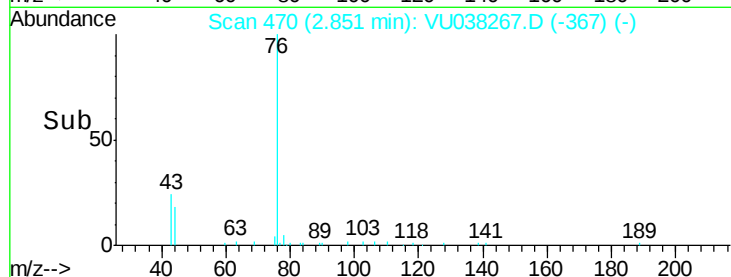
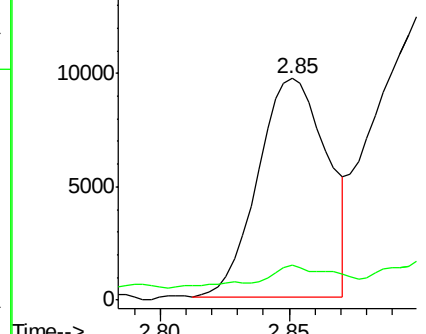
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Abundance Ion 76.05 (75.75 to 76.75): VU038267.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038267.D (-367) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.439 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.03 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

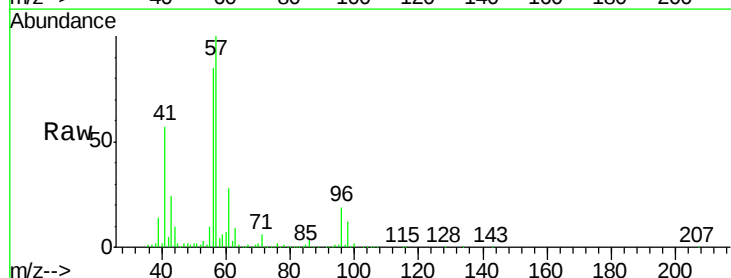
Tgt Ion: 96 Resp: 50785

Ion Ratio Lower Upper

96 100

61 147.9 102.1 189.5

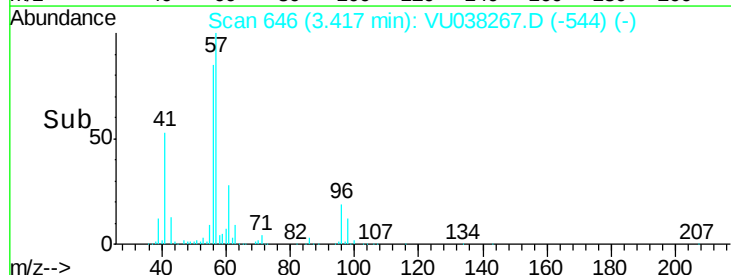
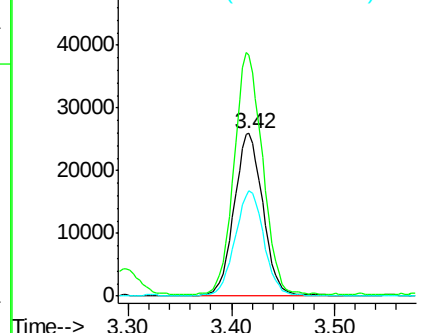
98 64.4 45.6 84.8

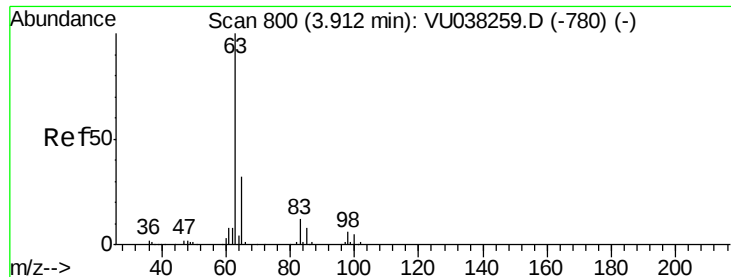


Abundance Ion 96.00 (95.70 to 96.70): VU038267.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038267.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038267.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 0.309 ug/L

RT: 3.94 min Scan# 809

Delta R.T. 0.03 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Instrument :

MSVOA_U

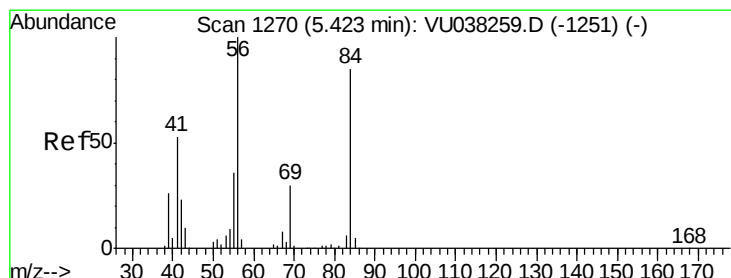
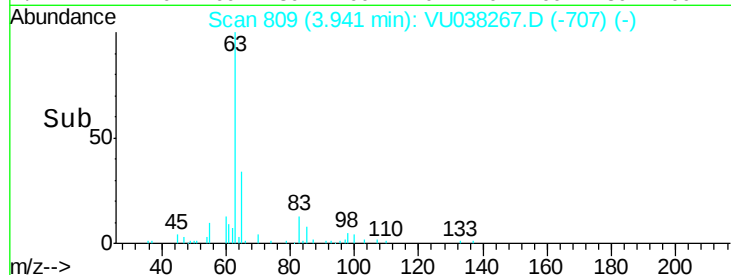
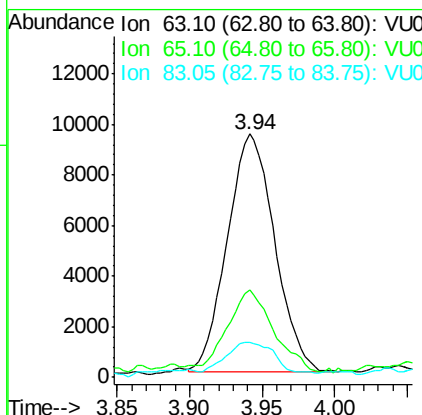
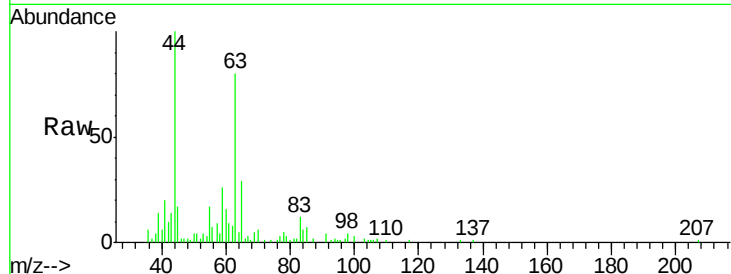
ClientSampleId :

BE4T9

Tot Ion:	63	Resp:	21284
Ion	Ratio	Lower	Upper
63	100		
65	35.9	22.5	41.7
83	14.3	8.9	16.5

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#30

Cyclohexane

Concen: 6.906 ug/L

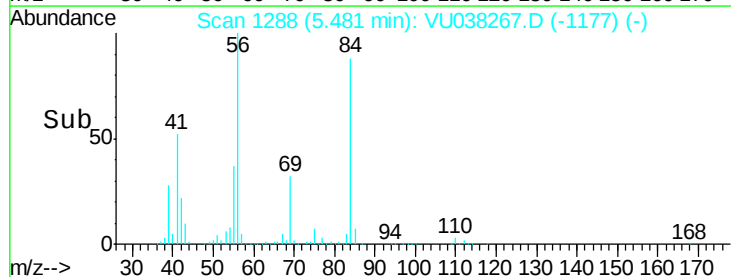
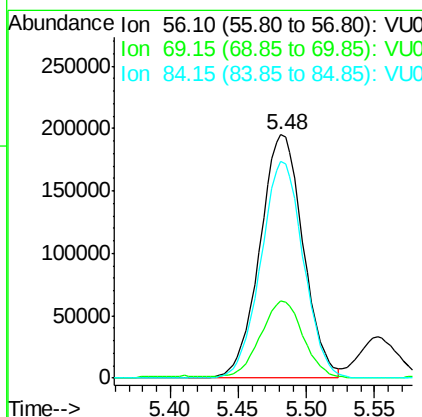
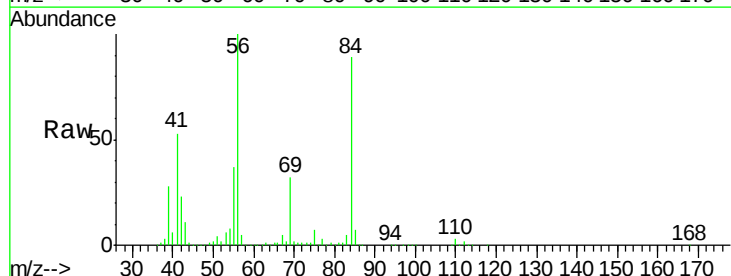
RT: 5.48 min Scan# 1288

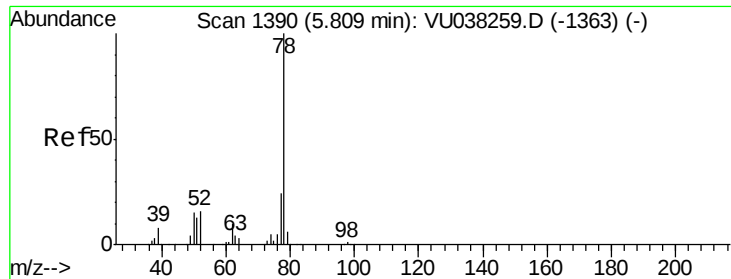
Delta R.T. 0.06 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Tgt Ion:	56	Resp:	427459
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.2	36.4
84	88.1	68.5	102.7





#33

Benzene

Concen: 93.397 ug/L

RT: 5.86 min Scan# 1407

Delta R.T. 0.05 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Instrument :

MSVOA_U

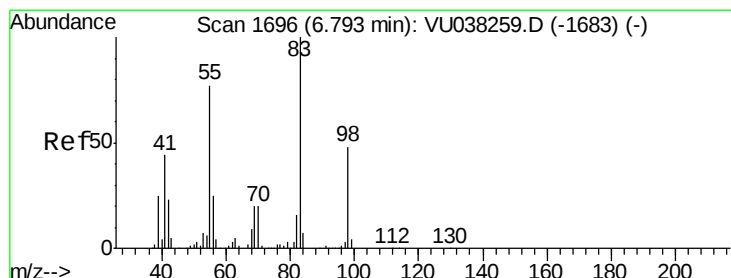
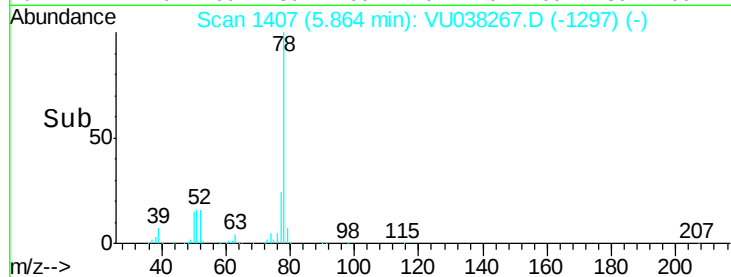
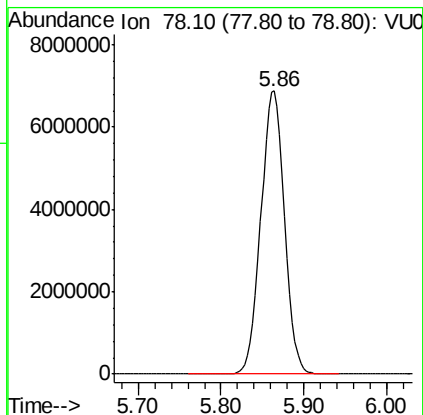
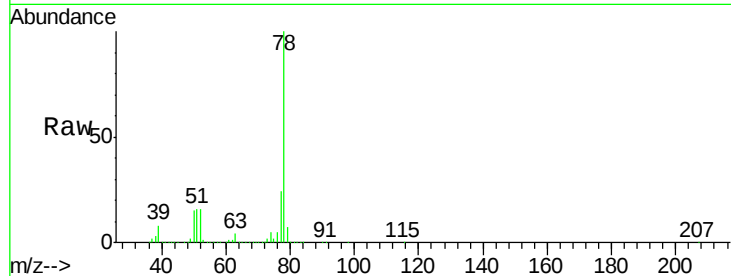
ClientSampleId :

BE4T9

Tgt Ion: 78 Resp:13685298

Manual Integrations
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#35

Methylcyclohexane

Concen: 6.724 ug/L

RT: 6.83 min Scan# 1706

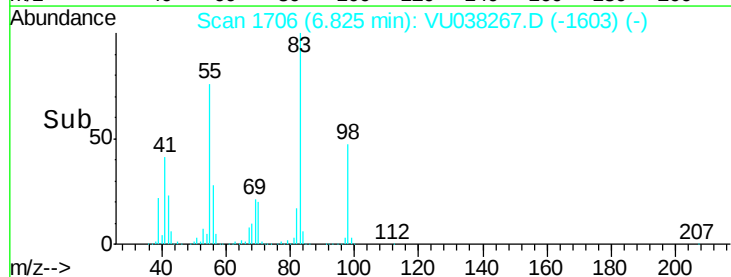
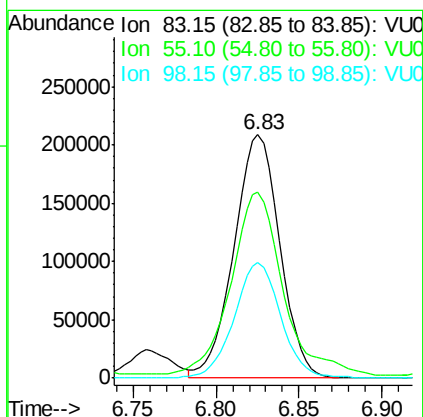
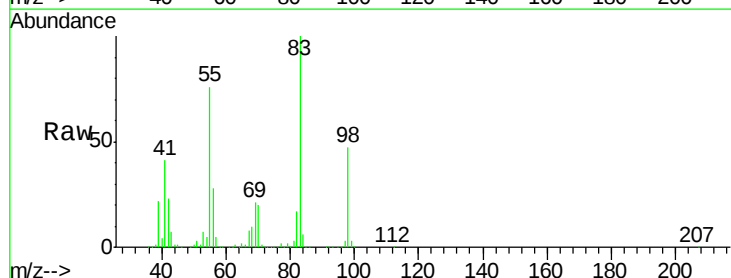
Delta R.T. 0.03 min

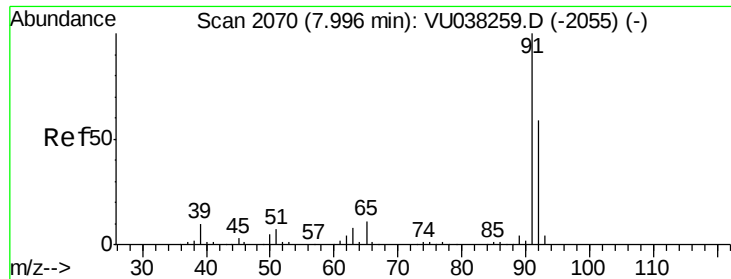
Lab File: VU038267.D

Acq: 21 May 2020 16:16

Tgt Ion: 83 Resp: 399188

Ion	Ratio	Lower	Upper
83	100		
55	86.0	66.7	100.1
98	48.9	39.4	59.2





#42

Toluene

Concen: 13.879 ug/L

RT: 8.01 min Scan# 2075

Delta R.T. 0.02 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Instrument :

MSVOA_U

ClientSampled :

BE4T9

Tot Ion: 91 Resp: 2146809

Ion Ratio Lower Upper

91 100

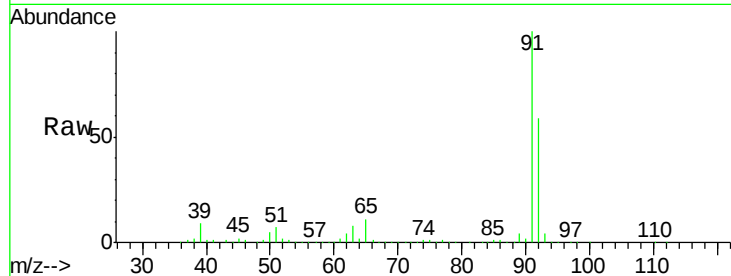
92 58.9 40.9 75.9

Manual Integrations

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Abundance Ion 91.15 (90.85 to 91.85): VU038267.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU038267.D (-1977) (-)

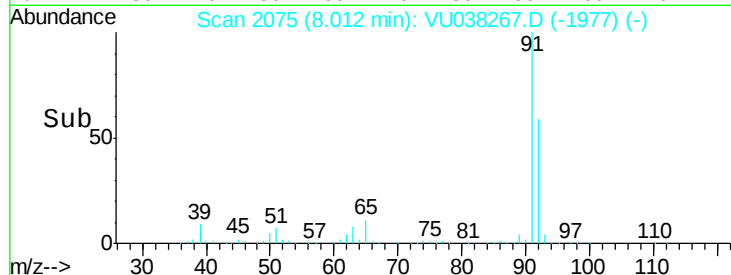
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1000000

500000

0

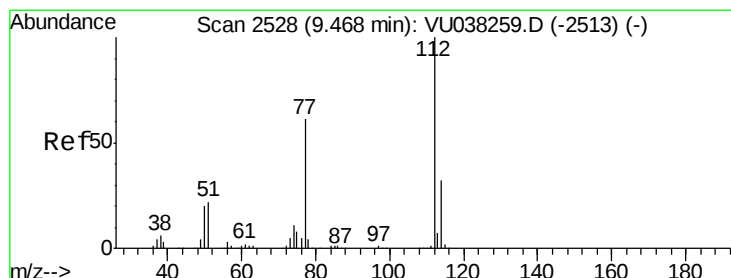
Time-->



8.01

7.90

8.10



#51

Chlorobenzene

Concen: 248.389 ug/L m

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

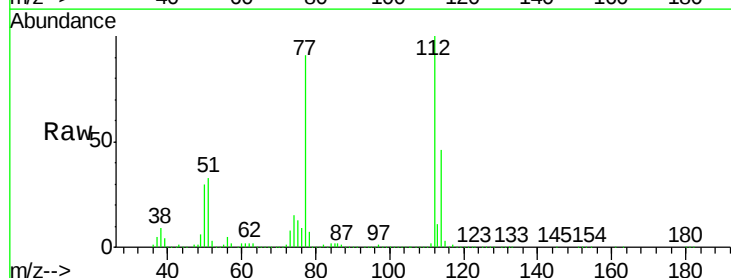
Tgt Ion: 112 Resp: 23843559

Ion Ratio Lower Upper

112 100

114 46.4 22.5 41.7#

77 91.1 49.9 74.9#



Abundance Ion 112.10 (111.80 to 112.80): VU038267.D (-2435) (-)

Ion 114.05 (113.75 to 114.75): VU038267.D (-2435) (-)

Ion 77.10 (76.80 to 77.80): VU038267.D (-2435) (-)

1e+07

8000000

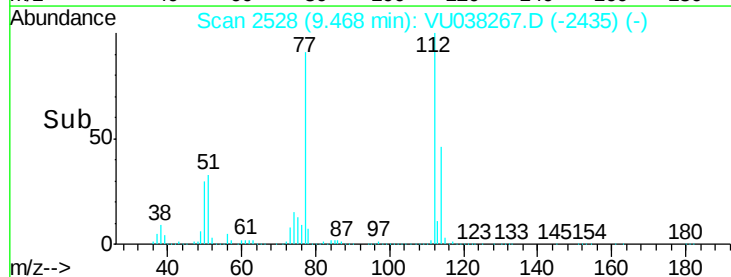
6000000

4000000

2000000

0

Time-->

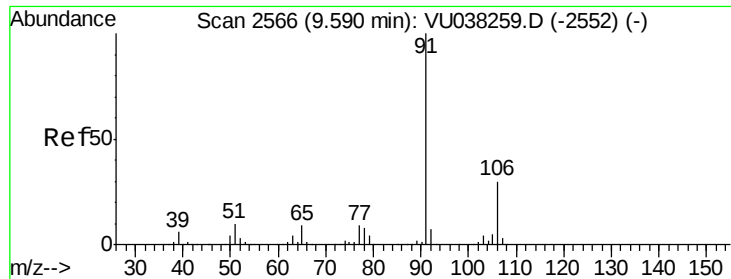


9.47

9.40

9.50

9.60



#52

Ethylbenzene

Concen: 29.430 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.01 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Instrument :

MSVOA_U

ClientSampleId :

BE4T9

Tot Ion: 91 Resp: 4931081

Ion Ratio Lower Upper

91 100

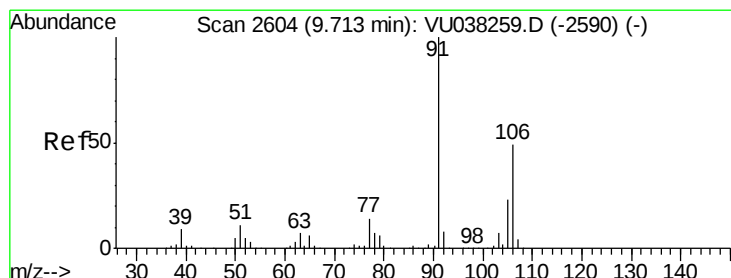
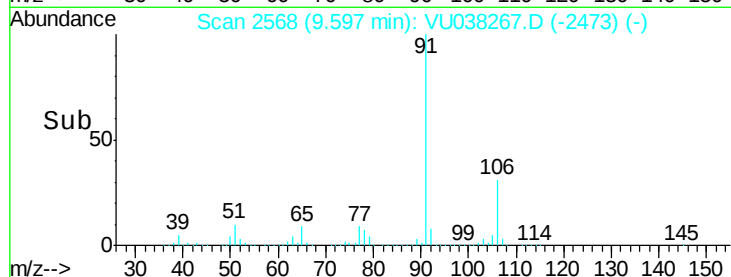
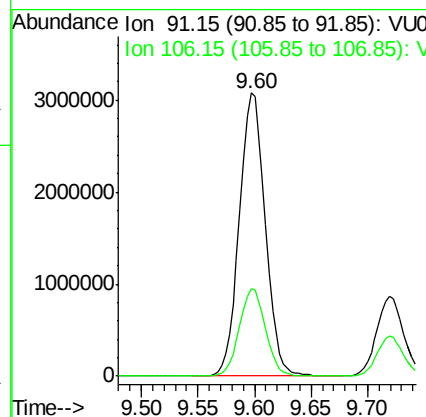
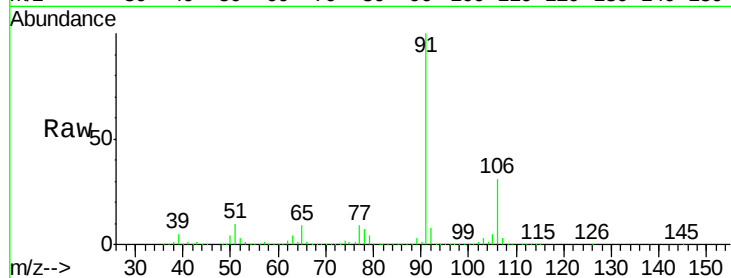
106 30.8 21.8 40.4

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#53

m,p-Xylene

Concen: 11.090 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.01 min

Lab File: VU038267.D

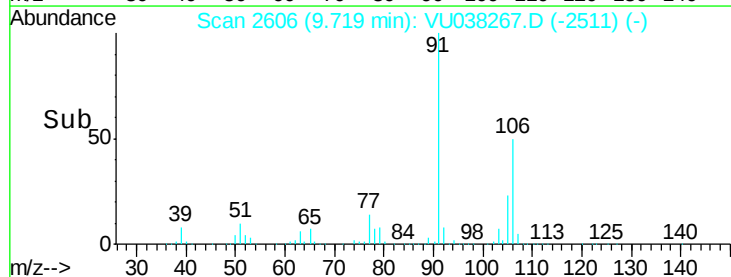
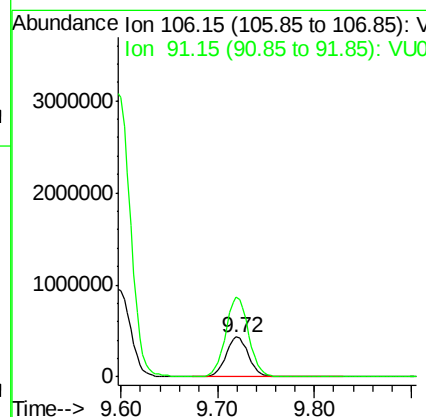
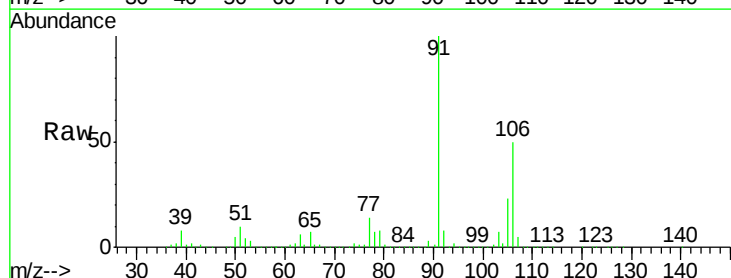
Acq: 21 May 2020 16:16

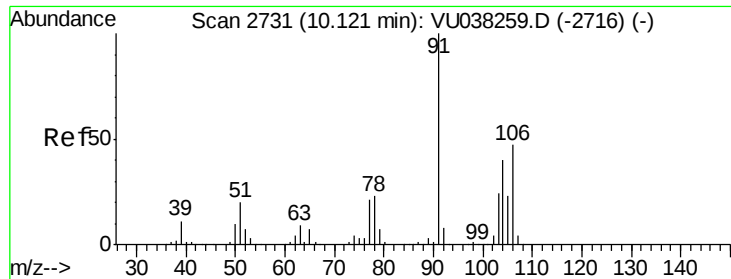
Tgt Ion: 106 Resp: 712483

Ion Ratio Lower Upper

106 100

91 202.0 142.1 263.9





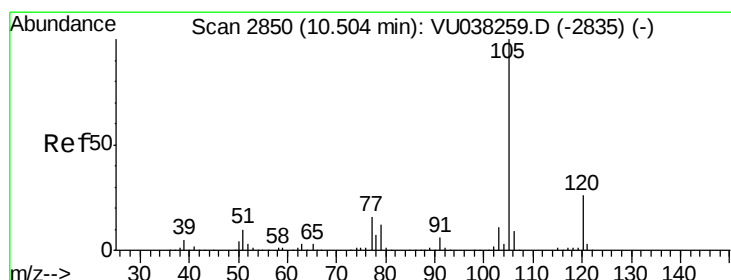
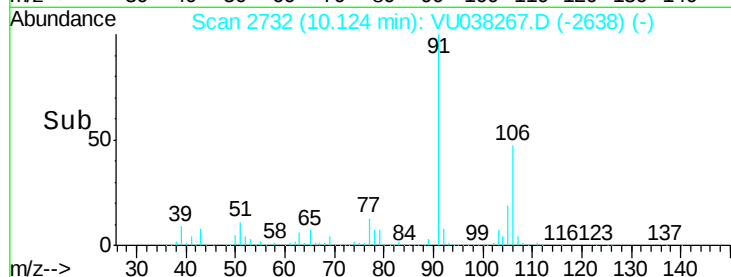
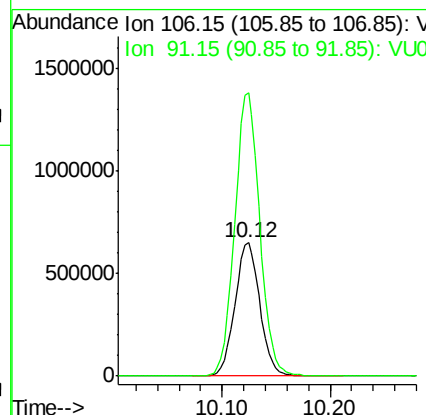
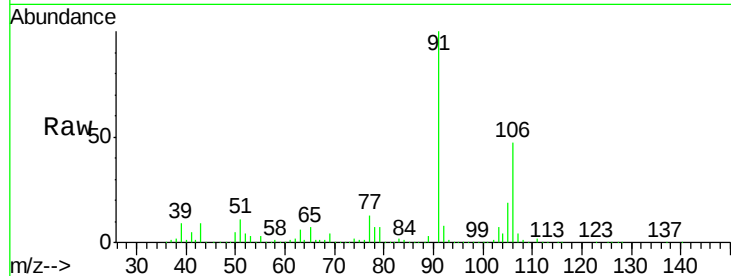
#54
o-Xylene
Concen: 16.852 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU038267.D
Acq: 21 May 2020 16:16

Instrument :
MSVOA_U
ClientSampled :
BE4T9

Tot Ion:106 Resp: 1046805
Ion Ratio Lower Upper
106 100
91 212.3 148.5 275.9

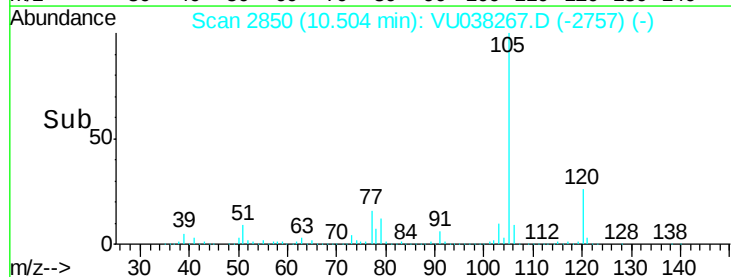
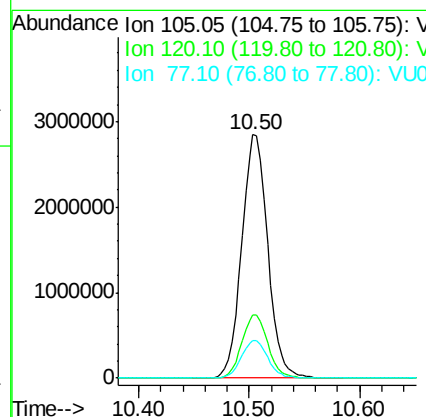
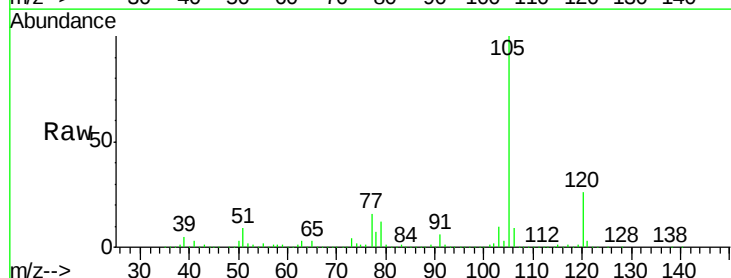
Manual Integrations
APPROVED

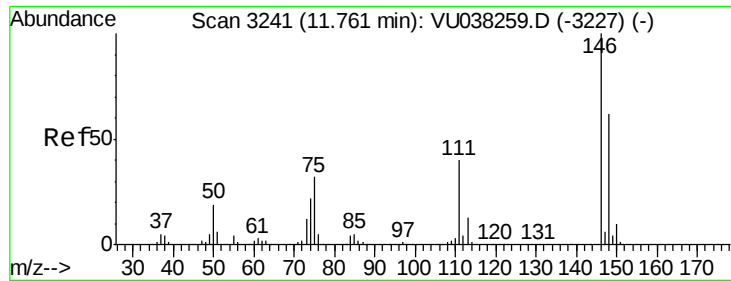
MMDadoda
5/22/2020 10:51:59 AM



#56
Isopropylbenzene
Concen: 29.103 ug/L
RT: 10.50 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VU038267.D
Acq: 21 May 2020 16:16

Tgt Ion:105 Resp: 4643760
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.7 13.0 19.4





#62

1,3-Dichlorobenzene

Concen: 5.025 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Instrument :

MSVOA_U

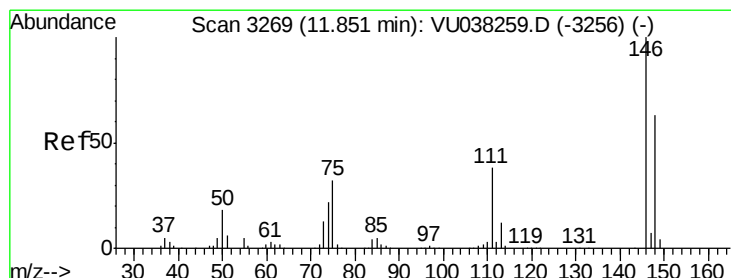
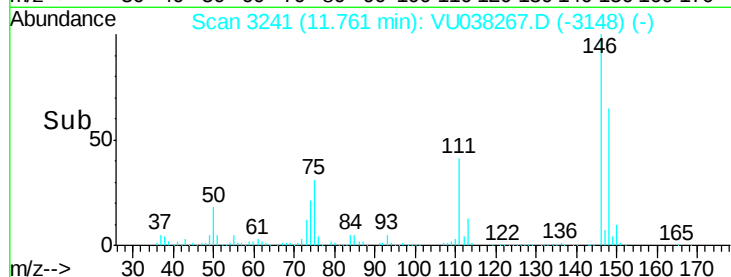
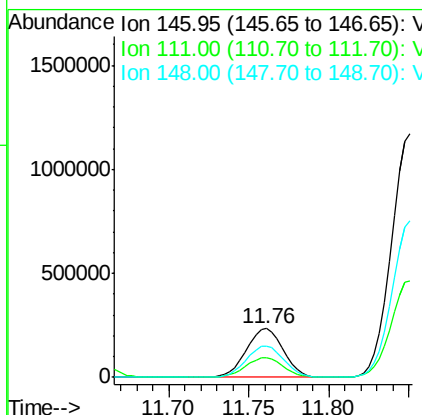
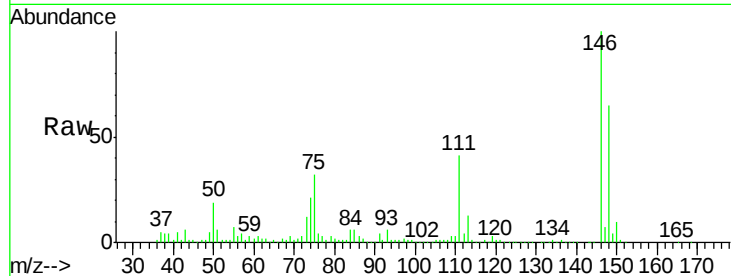
ClientSampled :

BE4T9

Tot Ion:	146	Resp:	368091
Ion Ratio	Lower	Upper	
146	100		
111	41.4	28.6	53.2
148	64.9	45.2	84.0

Manual Integrations
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MMDadoda
5/22/2020 10:51:59 AM



#63

1,4-Dichlorobenzene

Concen: 24.584 ug/L

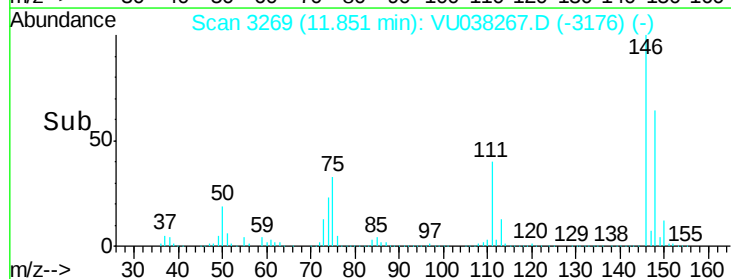
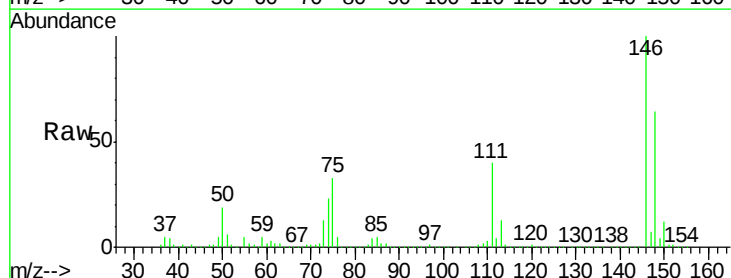
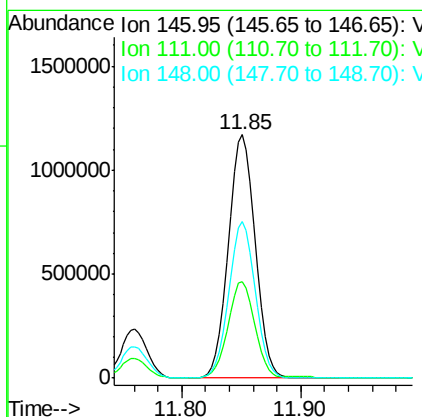
RT: 11.85 min Scan# 3269

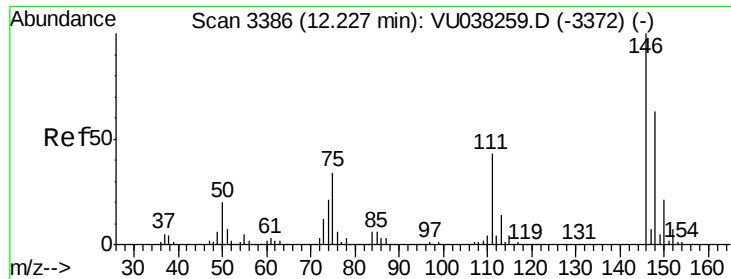
Delta R.T. 0.00 min

Lab File: VU038267.D

Acq: 21 May 2020 16:16

Tgt Ion:	146	Resp:	1824720
Ion Ratio	Lower	Upper	
146	100		
111	39.9	27.2	50.6
148	64.2	43.8	81.3





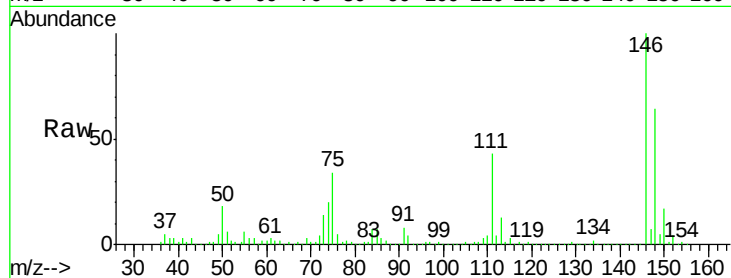
#65
 1,2-Dichlorobenzene
 Concen: 10.748 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038267.D
 Acq: 21 May 2020 16:16

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T9

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	35.3	52.9
148	64.1	51.0	76.4

Manual Integrations
 APPROVED

MMDadoda
 5/22/2020 10:51:59 AM



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

