

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040319.D
 Acq On : 25 Sep 2020 22:53
 Operator : SY/MD
 Sample : L4139-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG493

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 11:07:09 AM

Quant Time: Sep 28 09:54:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	152128	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	147335	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36469	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	36922	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.57	63	55499	2.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.00%#
20) 2-Butanone-d5	4.73	46	158984	47.85	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.70%
24) Chloroform-d	5.08	84	85629	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.73	65	53357	4.45	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.74	84	169499	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	56993	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	150012	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	8.19	79	21709	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.65	63	139197	56.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.84%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	50253	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55376	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	126137	14.323	ug/L	97
14) Carbon disulfide	2.90	76	120737m	3.198	ug/L	
19) 1,1-Dichloroethane	3.88	63	8857	0.340	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	4285	0.315	ug/L	97
30) Cyclohexane	5.39	56	170029	7.579	ug/L	97
33) Benzene	5.78	78	26360786m	500.128	ug/L	
35) Methylcyclohexane	6.77	83	135741	6.270	ug/L	90
40) 4-Methyl-2-pentanone	7.82	43	20012	1.709	ug/L #	90
42) Toluene	7.97	91	25529893m	470.329	ug/L	
51) Chlorobenzene	9.46	112	11872108	352.280	ug/L	97
52) Ethylbenzene	9.57	91	5885371	95.427	ug/L	99
53) m,p-Xylene	9.70	106	5649825	257.298	ug/L	98
54) o-Xylene	10.10	106	2390051	114.222	ug/L	99
56) Isopropylbenzene	10.48	105	3122143	54.710	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	57144	2.247	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	285176	11.083	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	165464	6.725	ug/L	97

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ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
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BG493

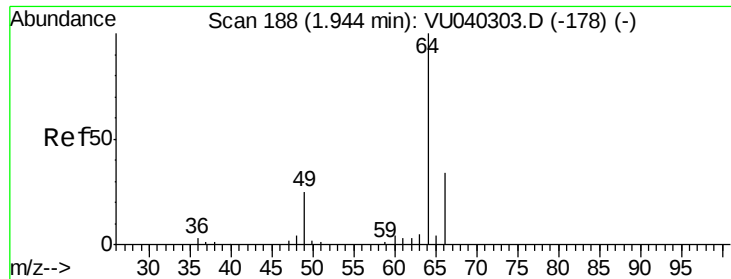
Manual Integrations
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9/28/2020 11:07:09 AM

Quant Time: Sep 28 09:54:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 06:44:13 2020
Response via : Initial Calibration

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



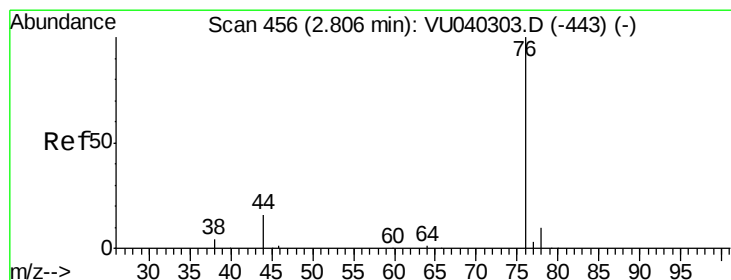
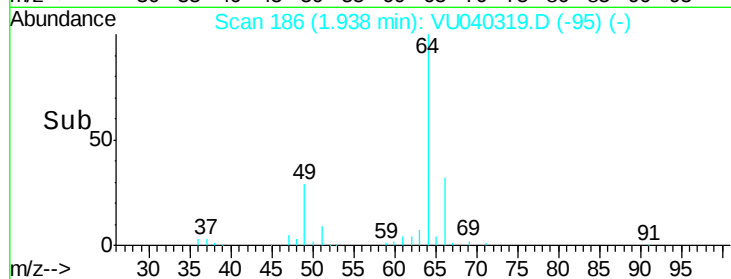
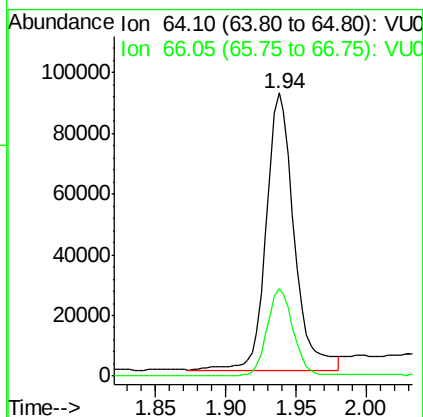
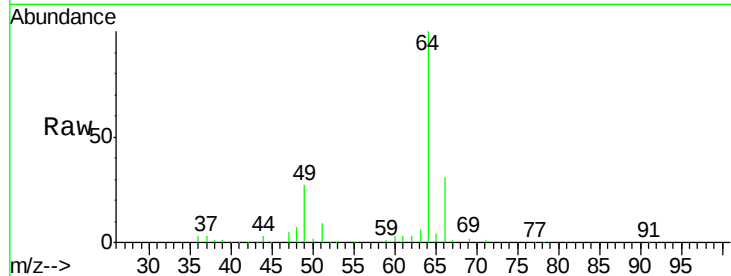
#8
Chloroethane
Concen: 14.323 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Instrument :
MSVOA_U
ClientSampled :
BG493

Tot Ion	Ratio	Lower	Upper
64	100		
66	30.7	22.7	42.1

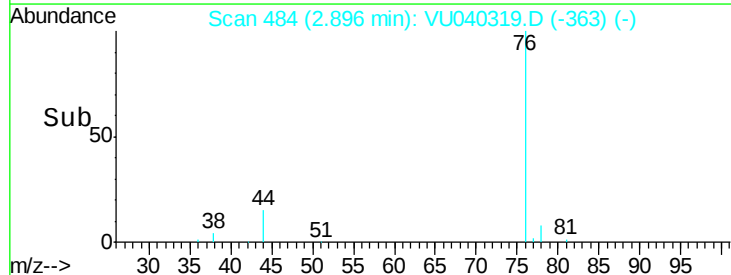
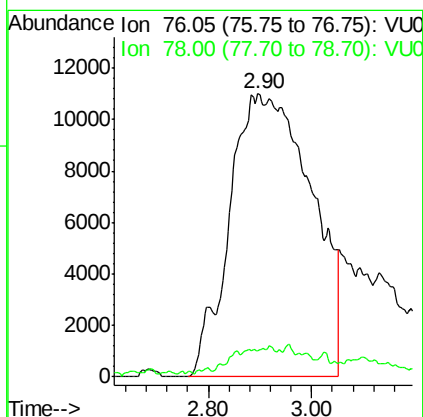
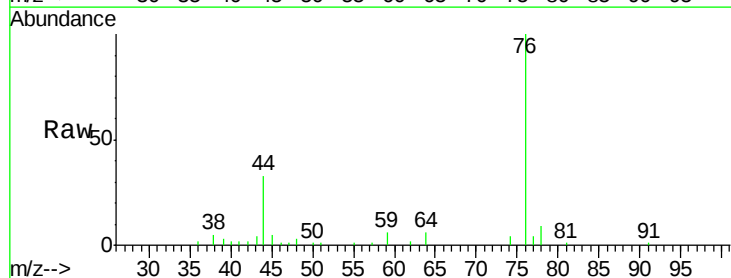
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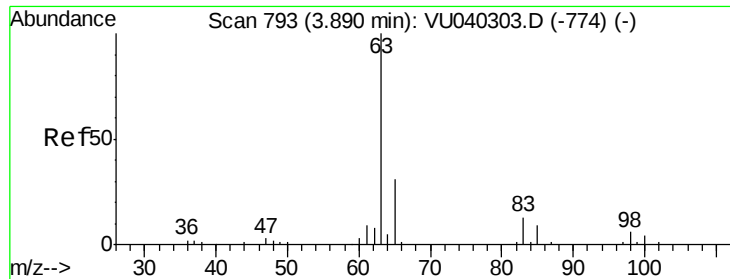
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#14
Carbon disulfide
Concen: 3.198 ug/L m
RT: 2.90 min Scan# 484
Delta R.T. 0.09 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8





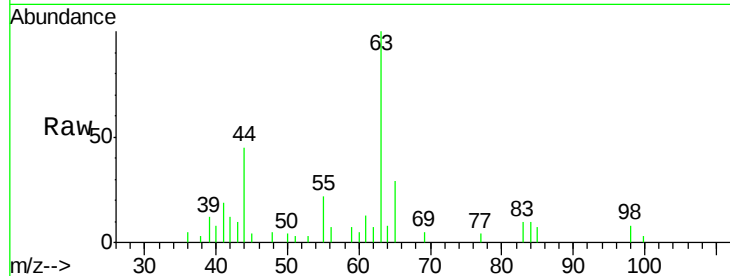
#19
 1,1-Dichloroethane
 Concen: 0.340 ug/L
 RT: 3.88 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: VU040319.D
 Acq: 25 Sep 2020 22:53

Instrument :
 MSVOA_U
 ClientSampleId :
 BG493

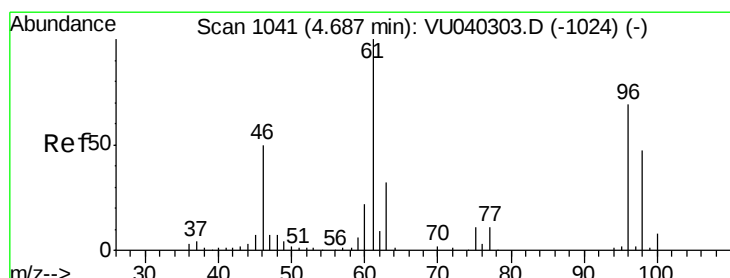
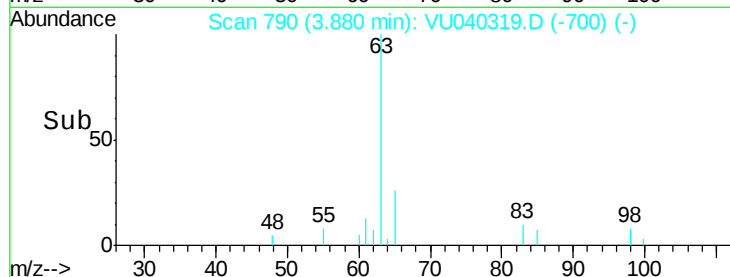
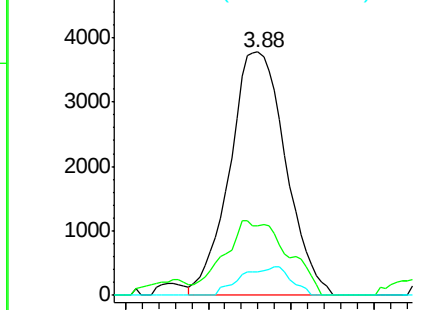
Tot Ion:	63	Resp:	8857
Ion	Ratio	Lower	Upper
63	100		
65	28.7	22.2	41.2
83	9.8	9.4	17.6

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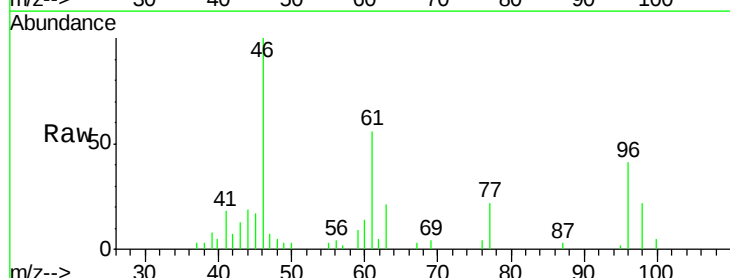


Abundance Ion 63.10 (62.80 to 63.80): VU040319.D (-700) (-)
 Ion 65.10 (64.80 to 65.80): VU040319.D (-700) (-)
 Ion 83.05 (82.75 to 83.75): VU040319.D (-700) (-)

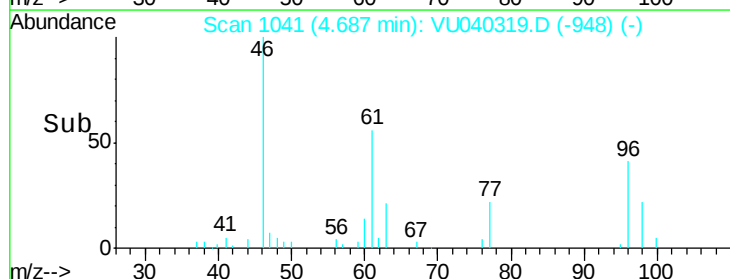
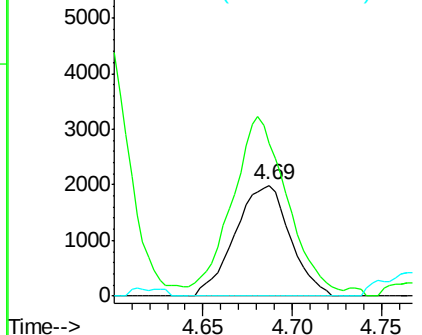


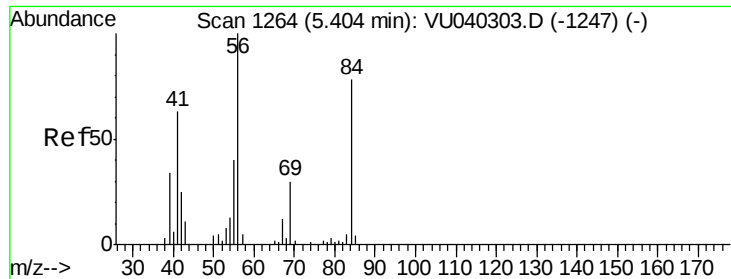
#22
 cis-1,2-Dichloroethene
 Concen: 0.315 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU040319.D
 Acq: 25 Sep 2020 22:53

Tgt Ion:	96	Resp:	4285
Ion	Ratio	Lower	Upper
96	100		
61	137.9	98.8	183.4
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040319.D (-948) (-)
 Ion 61.05 (60.75 to 61.75): VU040319.D (-948) (-)
 Ion 68.15 (67.85 to 68.85): VU040319.D (-948) (-)





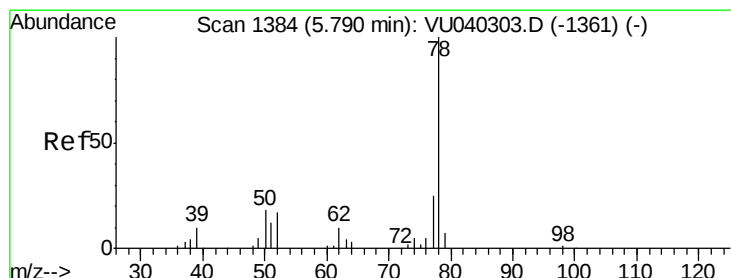
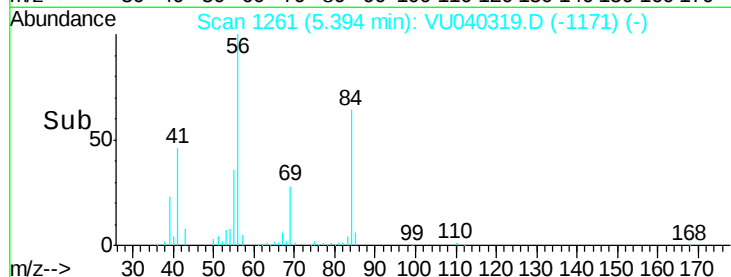
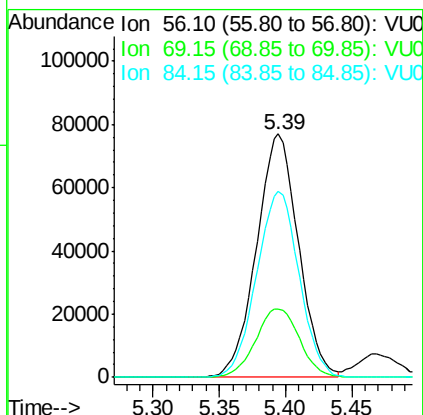
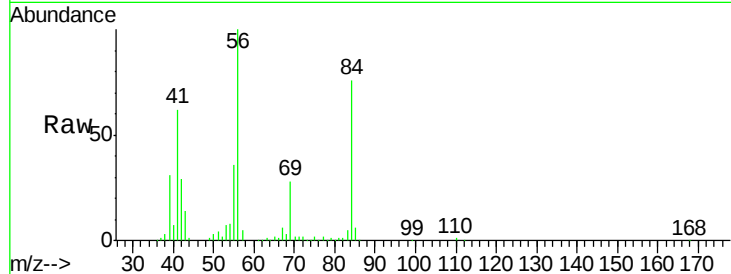
#30
Cyclohexane
Concen: 7.579 ug/L
RT: 5.39 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Instrument :
MSVOA_U
ClientSampled :
BG493

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.1	36.1
84	77.6	65.0	97.4

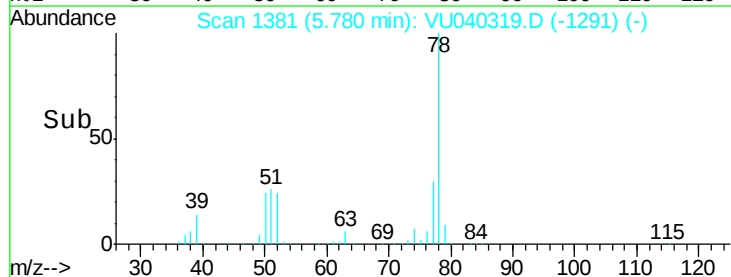
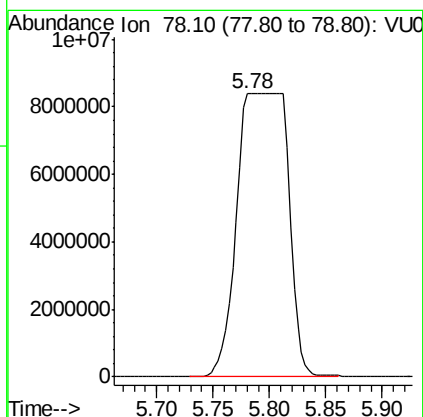
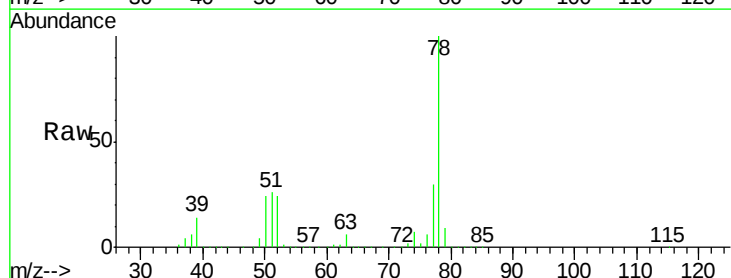
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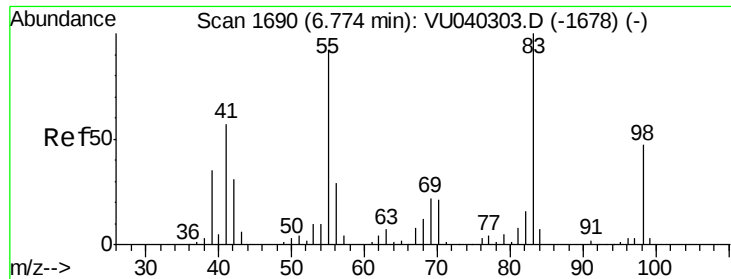
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#33
Benzene
Concen: 500.128 ug/L m
RT: 5.78 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Tgt Ion: 78 Resp:26360786





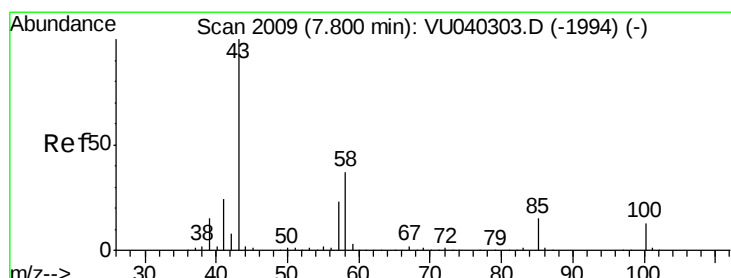
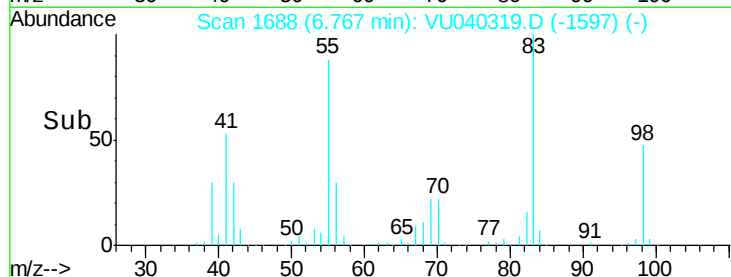
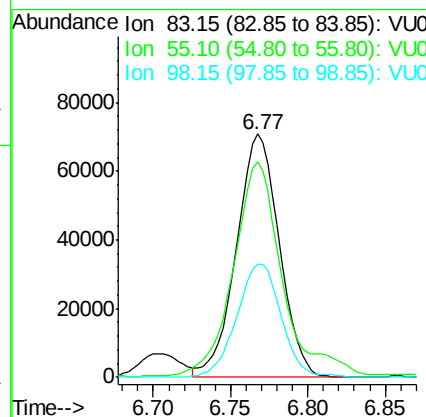
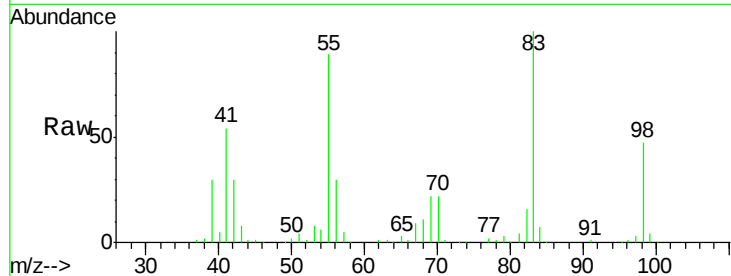
#35
Methylcyclohexane
Concen: 6.270 ug/L
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Instrument :
MSVOA_U
ClientSampled :
BG493

Tot Ion	Ratio	Lower	Upper
83	100		
55	101.0	70.5	105.7
98	48.9	37.8	56.6

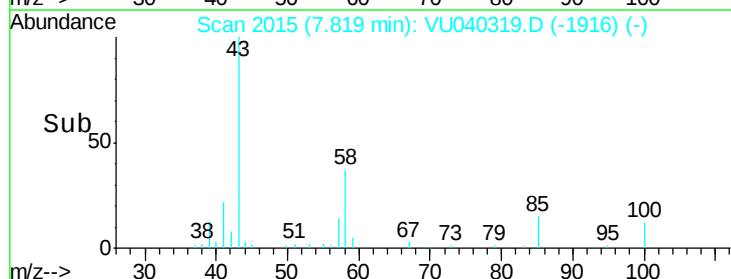
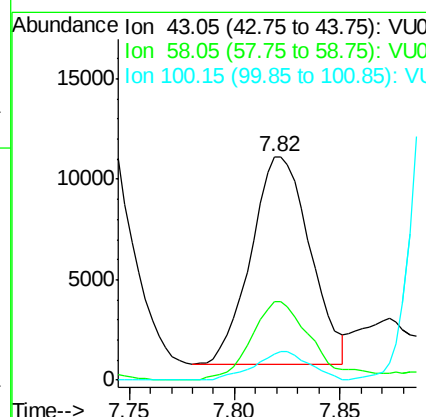
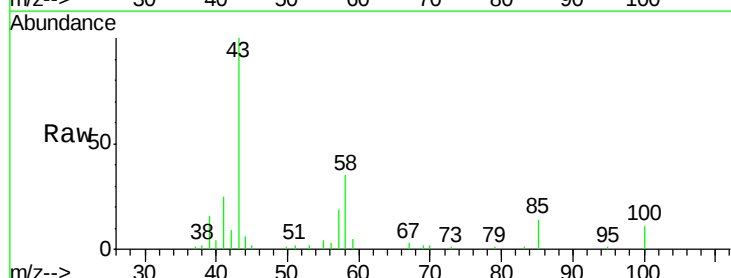
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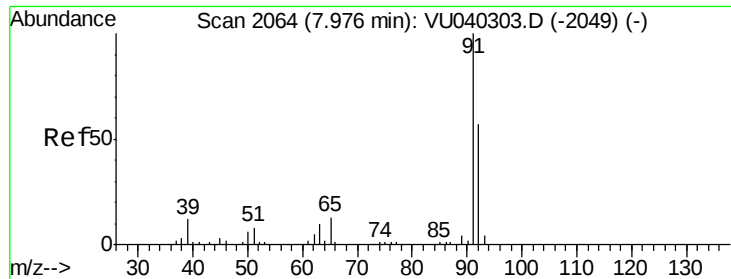
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#40
4-Methyl-2-pentanone
Concen: 1.709 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.02 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	28.7	43.1
100	0.0	10.2	15.2#





#42

Toluene

Concen: 470.329 ug/L m

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040319.D

Acq: 25 Sep 2020 22:53

Instrument :

MSVOA_U

ClientSampleId :

BG493

Tot Ion: 91 Resp:25529893

Ion Ratio Lower Upper

91 100

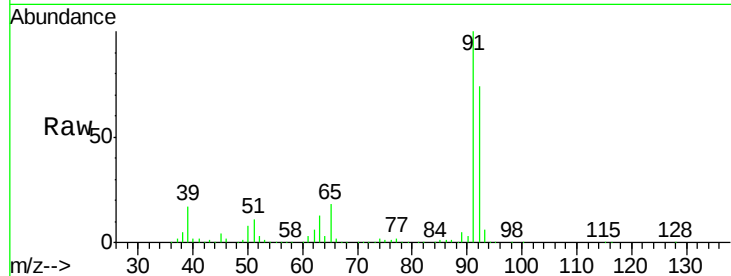
92 73.8 40.7 75.5

Manual Integrations

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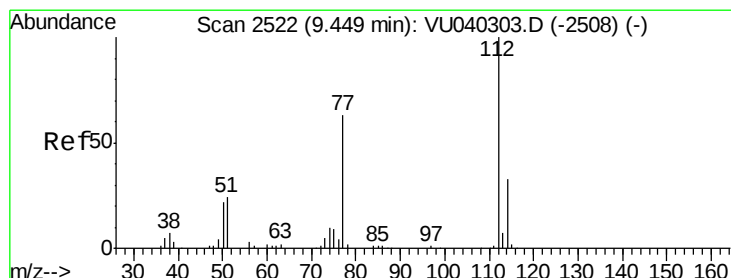
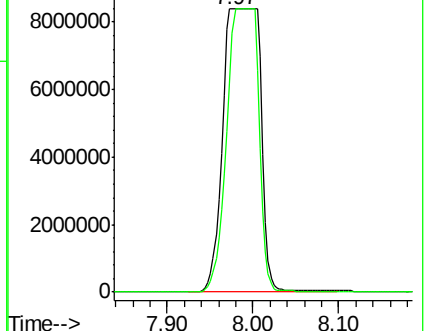
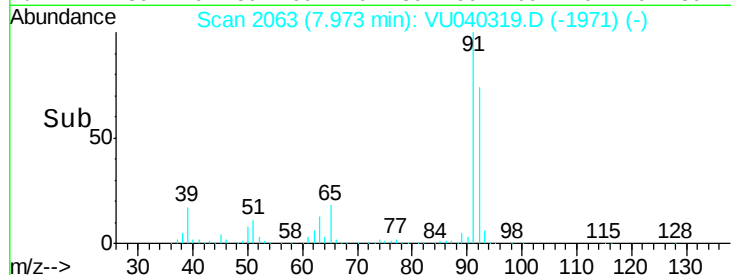
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Abundance Ion 91.15 (90.85 to 91.85): VU040319.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU040319.D (-1971) (-)



#51

Chlorobenzene

Concen: 352.280 ug/L

RT: 9.46 min Scan# 2524

Delta R.T. 0.01 min

Lab File: VU040319.D

Acq: 25 Sep 2020 22:53

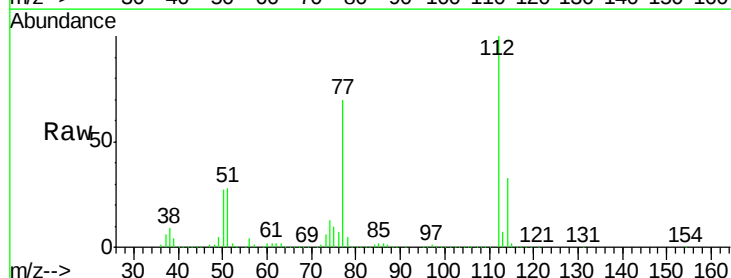
Tgt Ion:112 Resp:11872108

Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

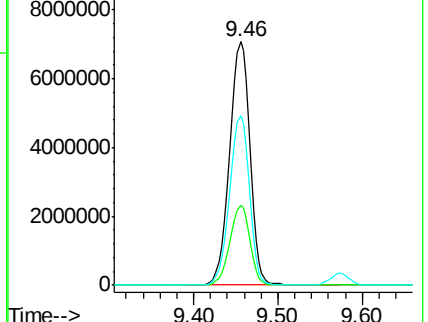
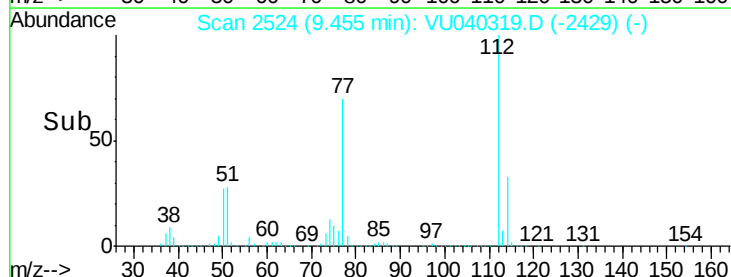
77 69.7 53.2 79.8

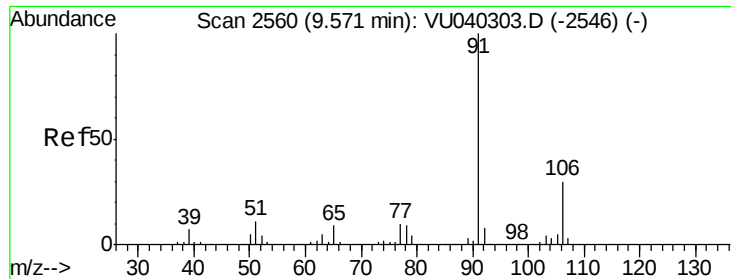


Abundance Ion 112.10 (111.80 to 112.80): VU040319.D (-2429) (-)

Ion 114.05 (113.75 to 114.75): VU040319.D (-2429) (-)

Ion 77.10 (76.80 to 77.80): VU040319.D (-2429) (-)





#52

Ethylbenzene

Concen: 95.427 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU040319.D

Acq: 25 Sep 2020 22:53

Instrument :

MSVOA_U

ClientSampled :

BG493

Tot Ion: 91 Resp: 5885371

Ion Ratio Lower Upper

91 100

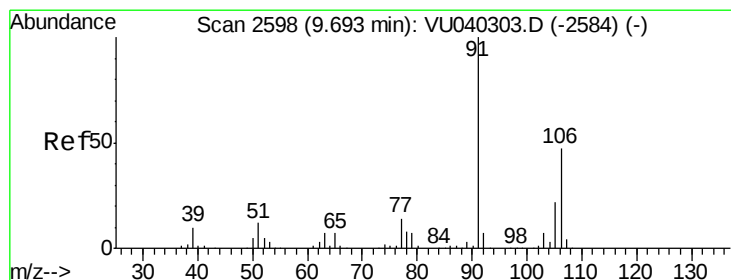
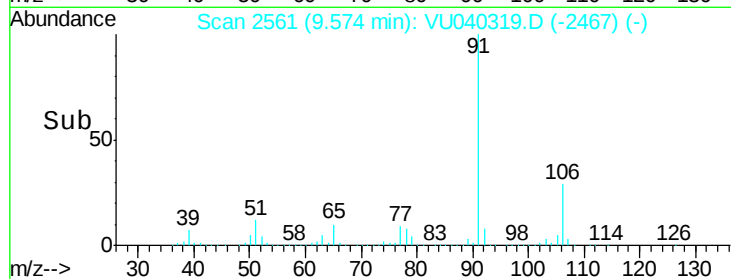
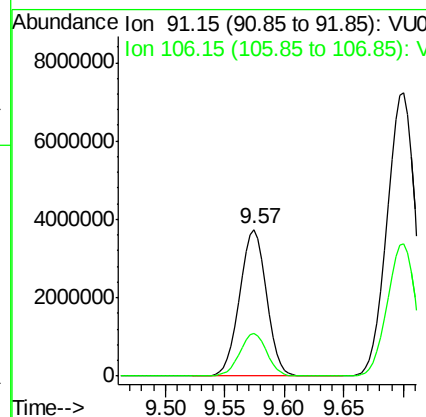
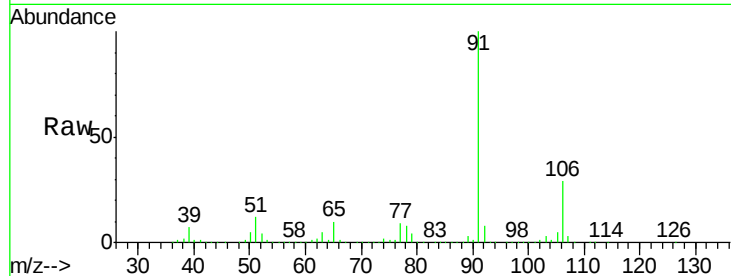
106 29.5 21.0 39.0

Manual Integrations

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#53

m,p-Xylene

Concen: 257.298 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.01 min

Lab File: VU040319.D

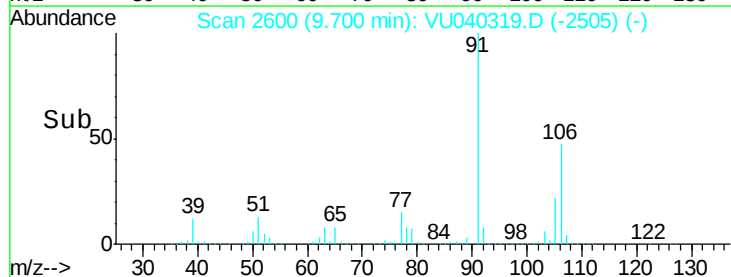
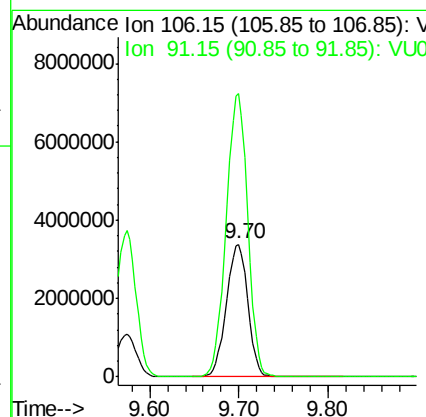
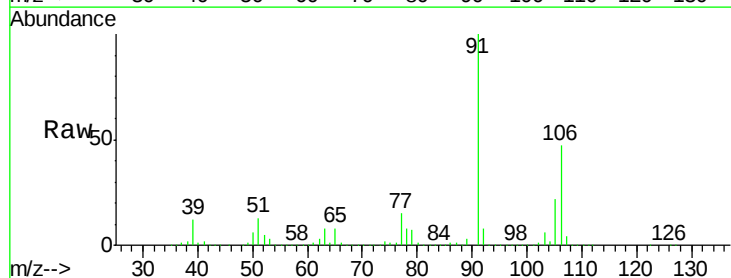
Acq: 25 Sep 2020 22:53

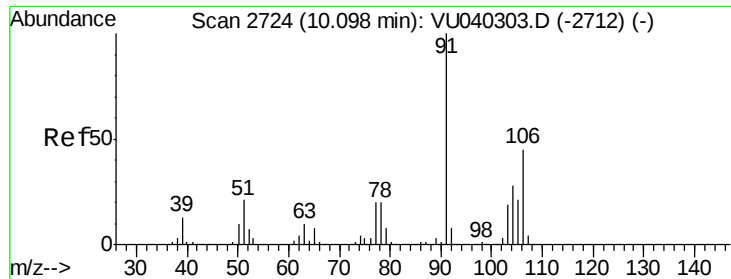
Tgt Ion: 106 Resp: 5649825

Ion Ratio Lower Upper

106 100

91 212.9 151.7 281.7





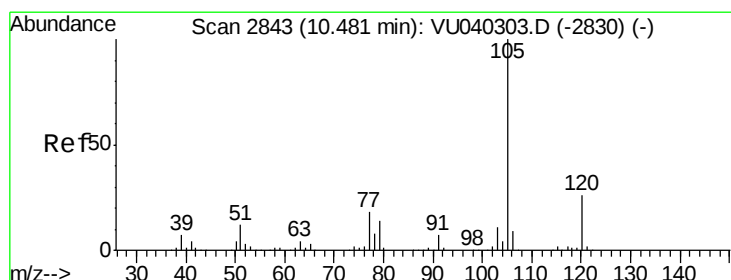
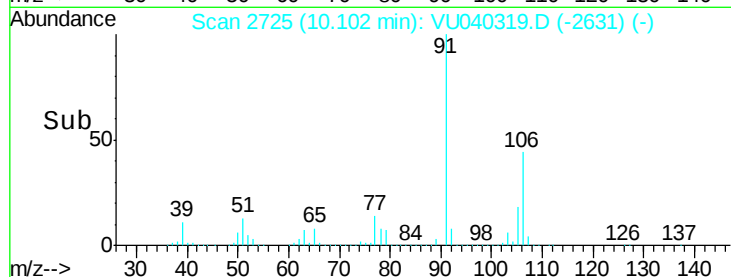
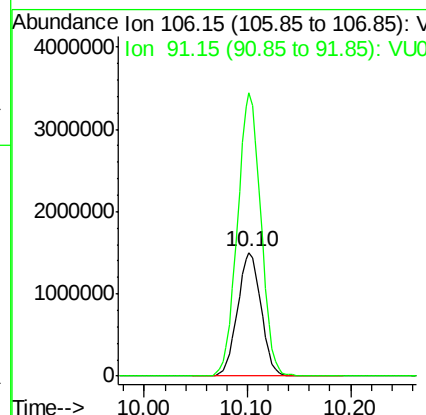
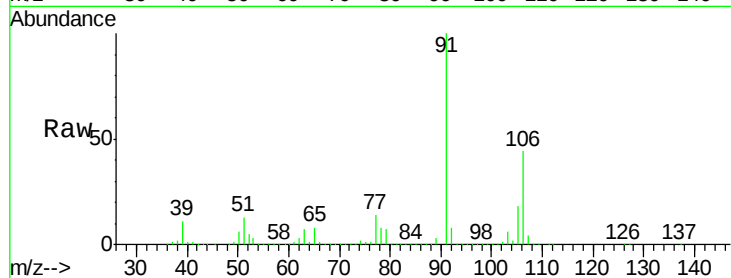
#54
o-Xylene
Concen: 114.222 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Instrument :
MSVOA_U
ClientSampleId :
BG493

Tot Ion:106 Resp: 2390051
Ion Ratio Lower Upper
106 100
91 228.8 160.8 298.6

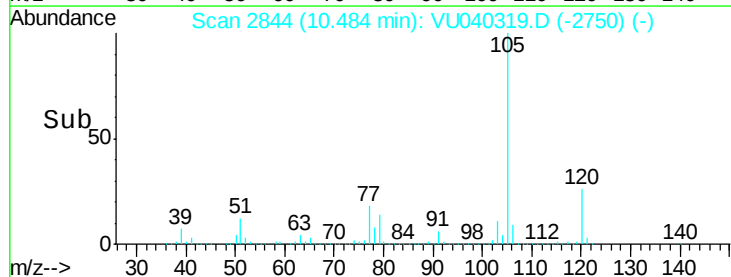
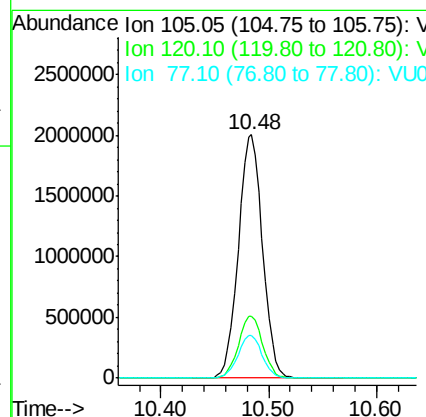
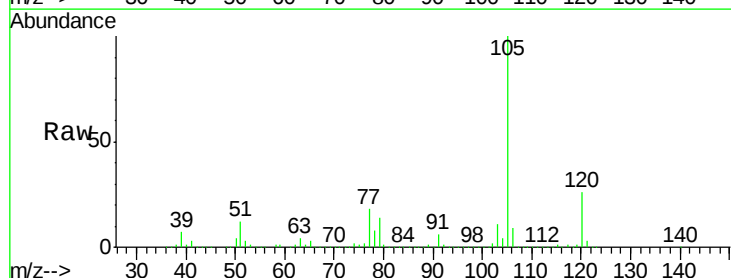
Manual Integrations
APPROVED

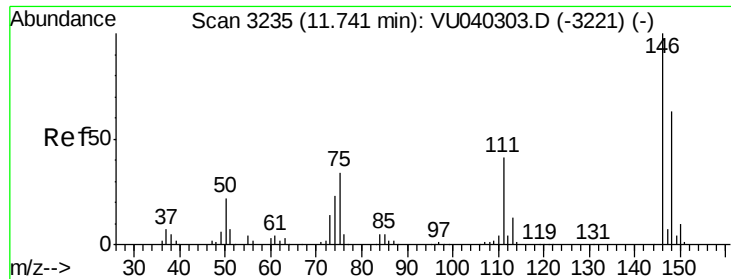
MMDadoda
9/28/2020 11:07:09 AM



#56
Isopropylbenzene
Concen: 54.710 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040319.D
Acq: 25 Sep 2020 22:53

Tgt Ion:105 Resp: 3122143
Ion Ratio Lower Upper
105 100
120 25.6 20.1 30.1
77 17.5 14.4 21.6





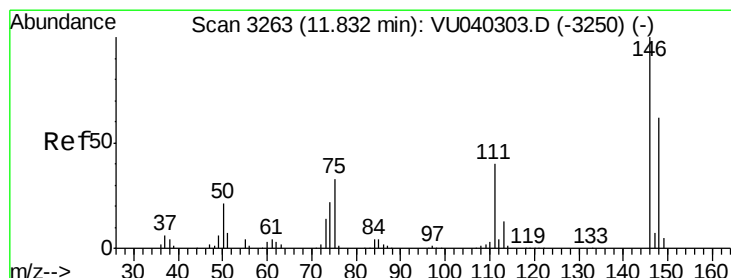
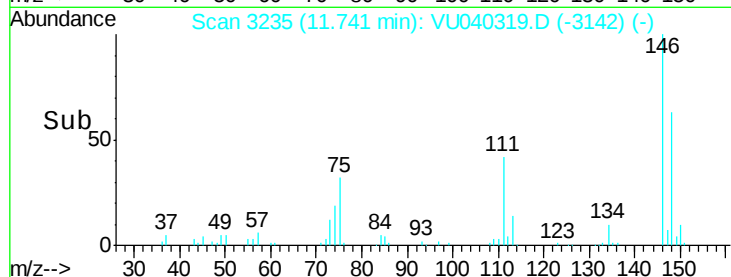
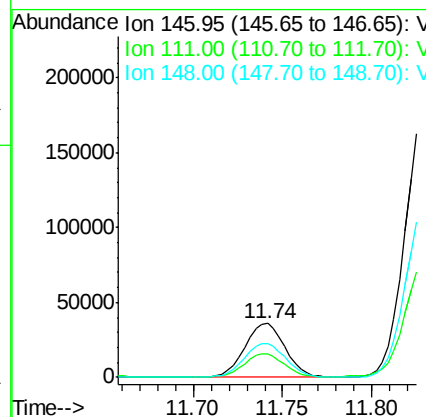
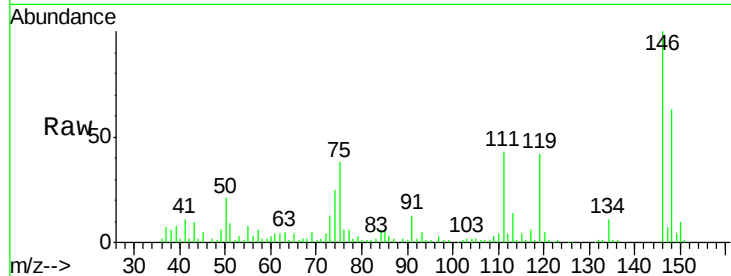
#62
 1,3-Dichlorobenzene
 Concen: 2.247 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040319.D
 Acq: 25 Sep 2020 22:53

Instrument :
 MSVOA_U
 ClientSampled :
 BG493

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	31.6	58.8
148	63.3	44.2	82.0

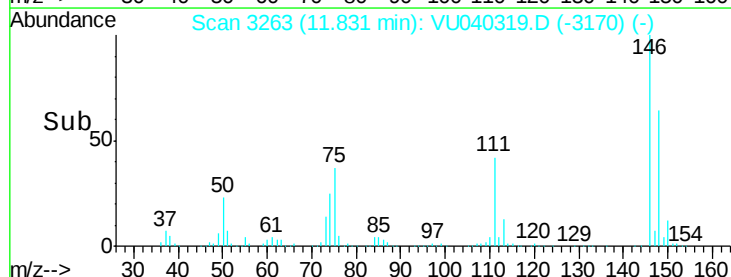
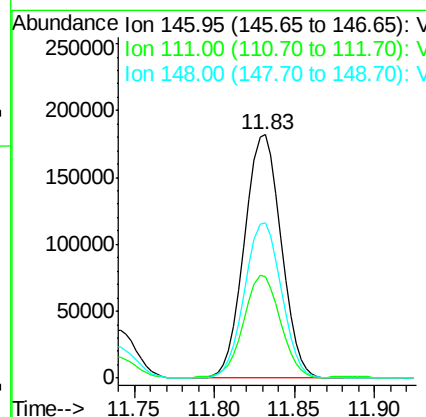
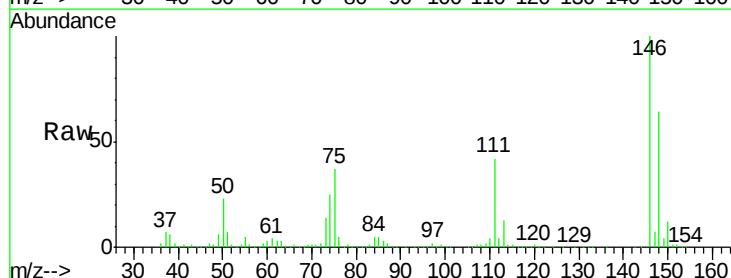
Manual Integrations
 APPROVED

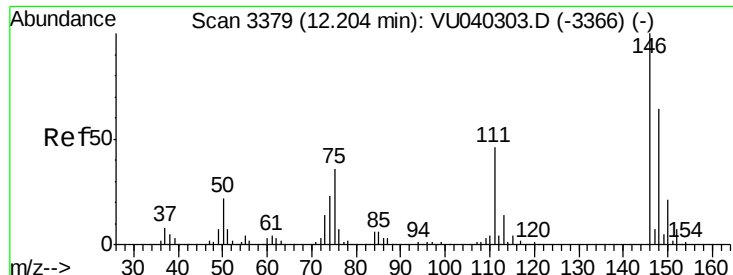
MMDadoda
 9/28/2020 11:07:09 AM



#63
 1,4-Dichlorobenzene
 Concen: 11.083 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040319.D
 Acq: 25 Sep 2020 22:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	30.5	56.7
148	63.9	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 6.725 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040319.D

Acq: 25 Sep 2020 22:53

Instrument :

MSVOA_U

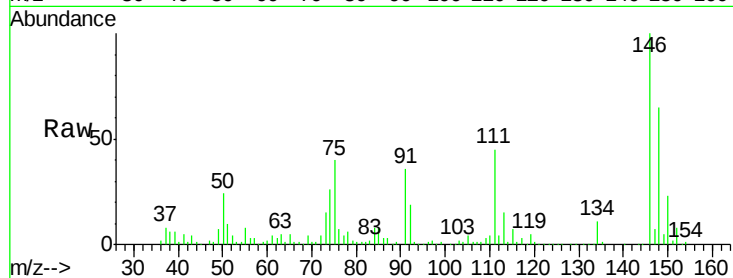
ClientSampleId :

BG493

Tot Ion:	146	Resp:	165464
Ion Ratio	Lower	Upper	
146	100		
111	45.3	36.5	54.7
148	65.0	48.6	72.8

Manual Integrations
APPROVED

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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

