

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040240.D
 Acq On : 21 Sep 2020 17:45
 Operator : SY/MD
 Sample : L4046-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q2

Manual Integrations
 APPROVED

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 9/22/2020 4:40:58 PM

Quant Time: Sep 22 15:56:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	133767	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130774	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65454	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28005	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.92	69	28399	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.58	63	51646	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.67	46	157528	53.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.84%
24) Chloroform-d	5.08	84	79055	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	49743	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	137976	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.70	67	48253	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.91	98	113232	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	20570	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	123360	56.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48553	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55758	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	13770m	1.778	ug/L	
17) Methyl tert-butyl Ether	3.38	73	4853	0.156	ug/L	# 1
30) Cyclohexane	5.40	56	25286	1.270	ug/L	98
33) Benzene	5.79	78	1853157	39.611	ug/L	100
35) Methylcyclohexane	6.78	83	19924	1.037	ug/L	89
42) Toluene	7.98	91	157983	3.279	ug/L	99
51) Chlorobenzene	9.45	112	1302752	43.552	ug/L	96
52) Ethylbenzene	9.57	91	18668	0.341	ug/L	99
53) m,p-Xylene	9.69	106	43582	2.236	ug/L	98
54) o-Xylene	10.10	106	19929	1.073	ug/L	95
56) Isopropylbenzene	10.48	105	153192	3.024	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	7223	0.302	ug/L	90
63) 1,4-Dichlorobenzene	11.83	146	110339	4.558	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	20423	0.882	ug/L	97

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

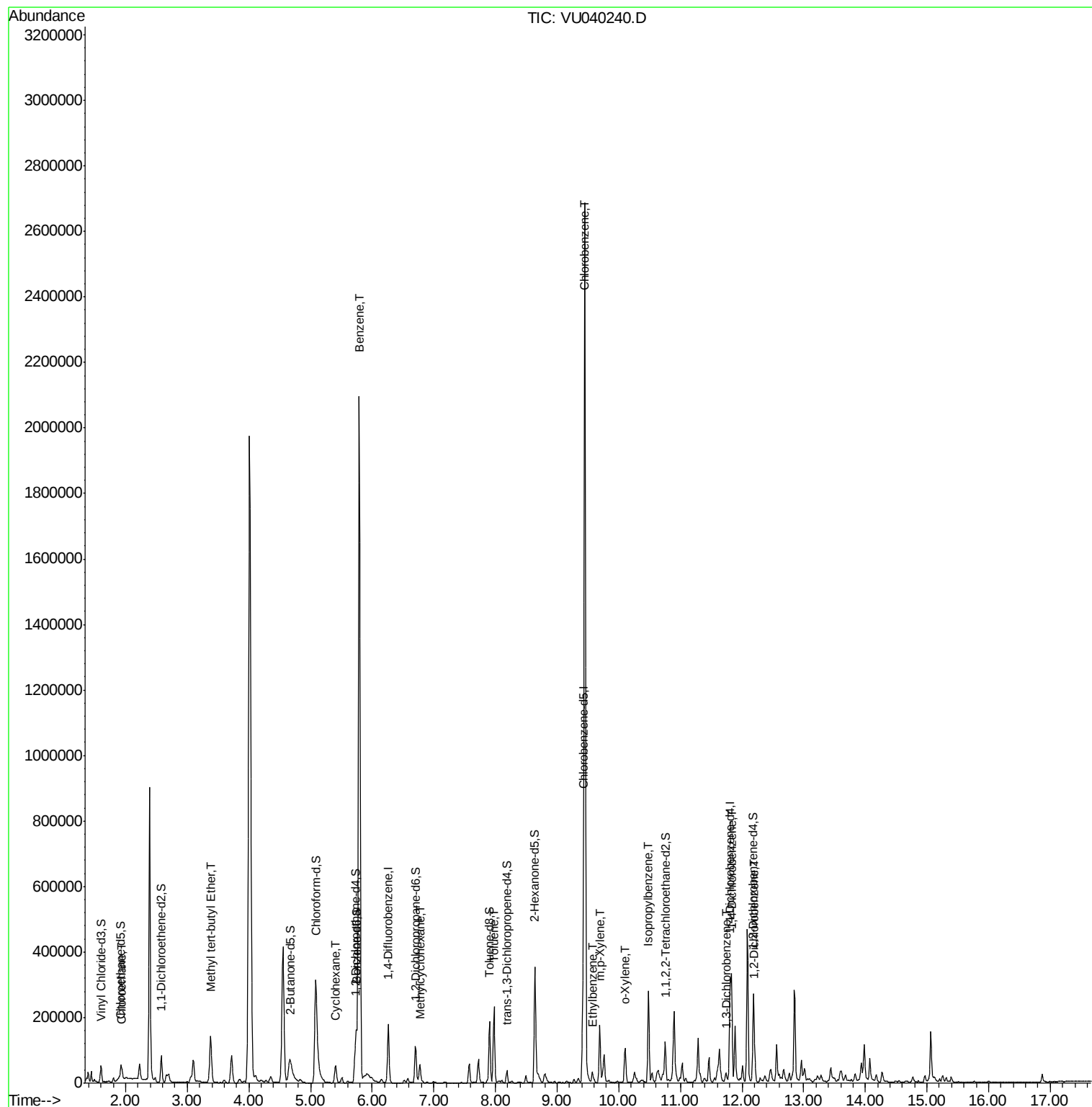
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092120\
Data File : VU040240.D
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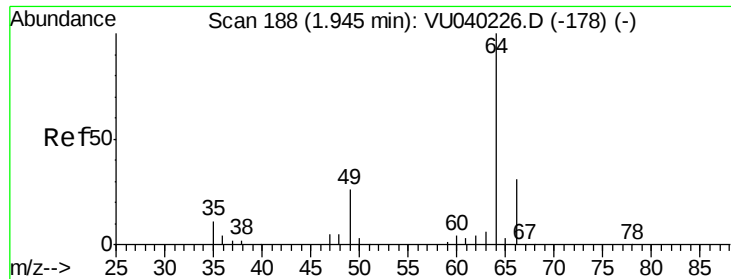
Instrument :
MSVOA_U
ClientSampleId :
BG0Q2

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Quant Time: Sep 22 15:56:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 22 07:07:10 2020
Response via : Initial Calibration





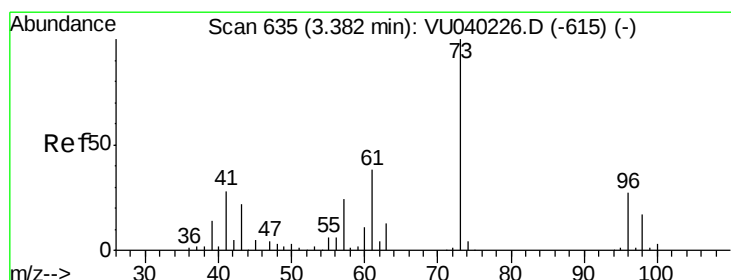
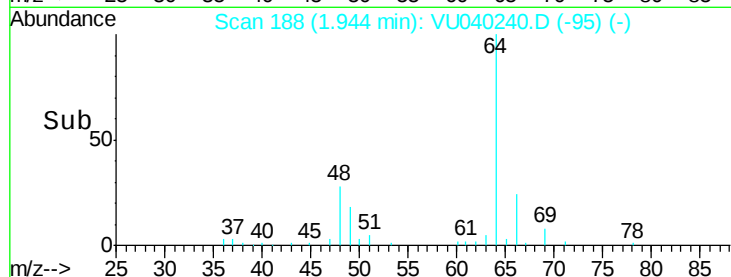
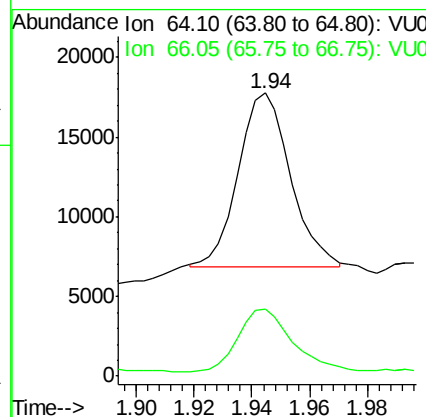
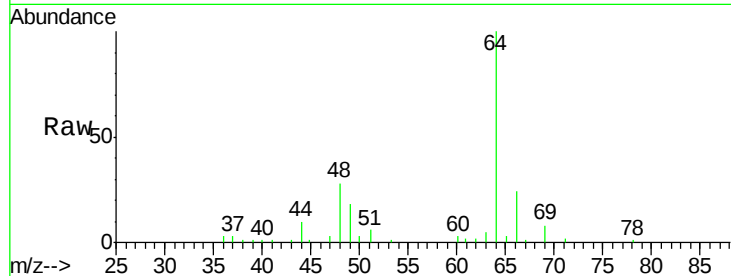
#8
Chloroethane
Concen: 1.778 ug/L m
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Instrument :
MSVOA_U
ClientSampled :
BG0Q2

Tot Ion: 64 Resp: 13770
Ion Ratio Lower Upper
64 100
66 23.7 22.7 42.1

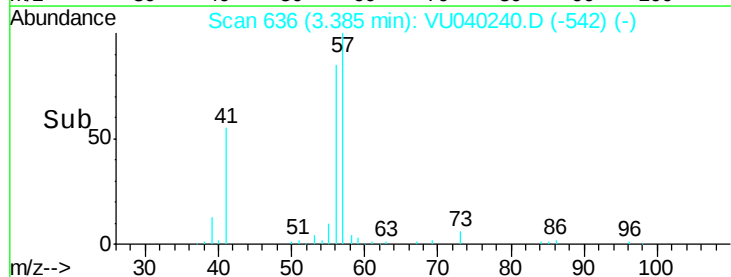
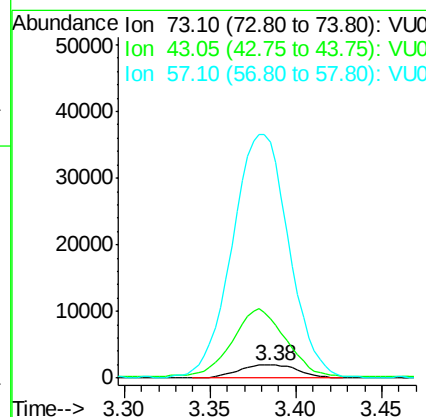
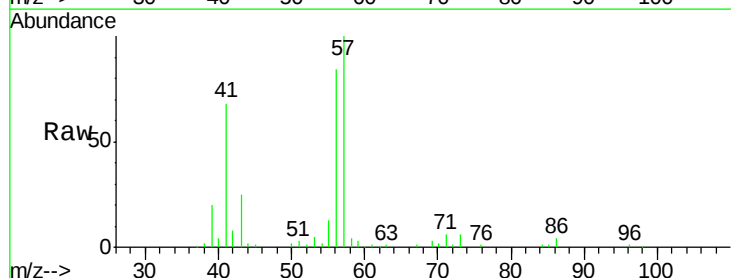
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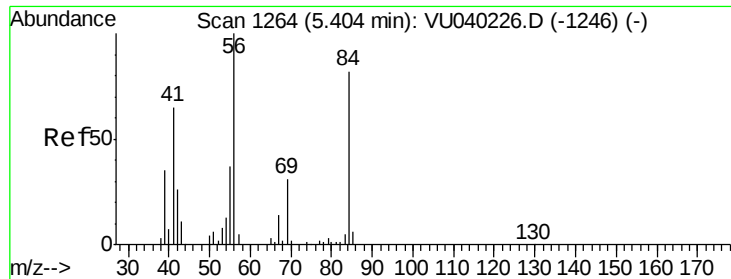
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#17
Methyl tert-butyl Ether
Concen: 0.156 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Tgt Ion: 73 Resp: 4853
Ion Ratio Lower Upper
73 100
43 456.1 19.1 28.7#
57 1731.4 18.3 27.5#





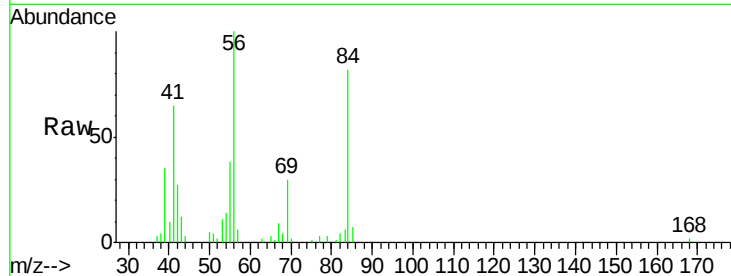
#30
Cyclohexane
Concen: 1.270 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
BG0Q2

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.1	36.1
84	82.6	65.0	97.4

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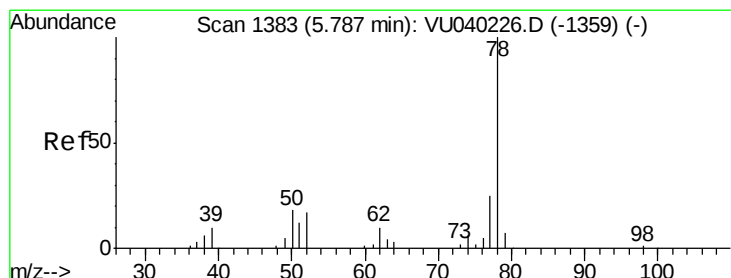
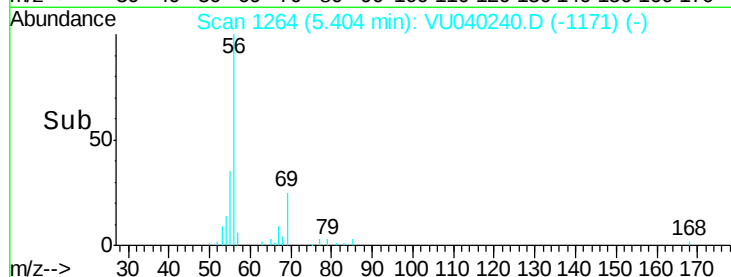
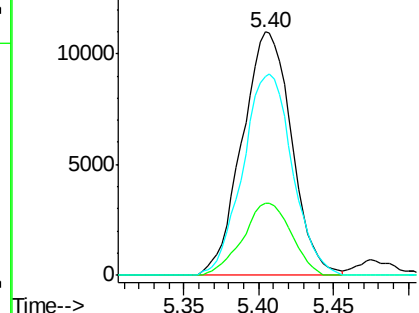
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Abundance Ion 56.10 (55.80 to 56.80): VU040226.D (-1246) (-)

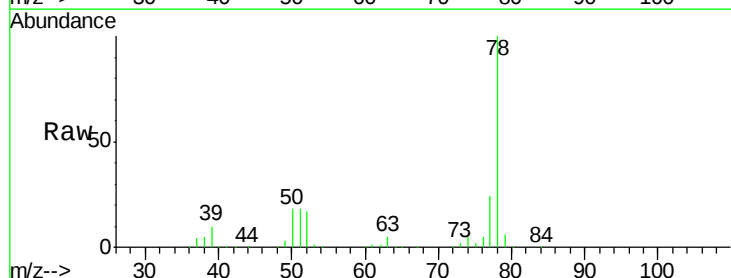
Ion 69.15 (68.85 to 69.85): VU040226.D (-1246) (-)

Ion 84.15 (83.85 to 84.85): VU040226.D (-1246) (-)

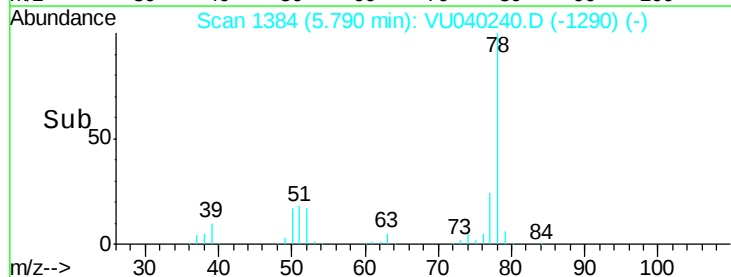
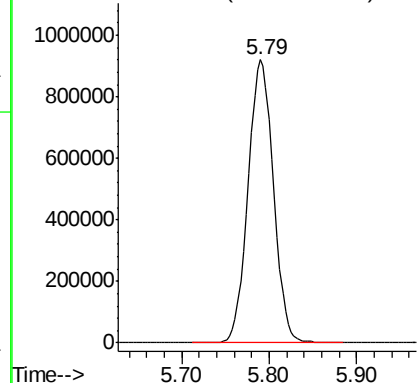


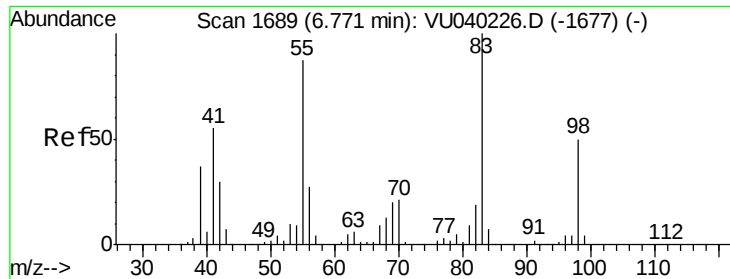
#33
Benzene
Concen: 39.611 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Tgt Ion: 78 Resp: 1853157



Abundance Ion 78.10 (77.80 to 78.80): VU040226.D (-1359) (-)





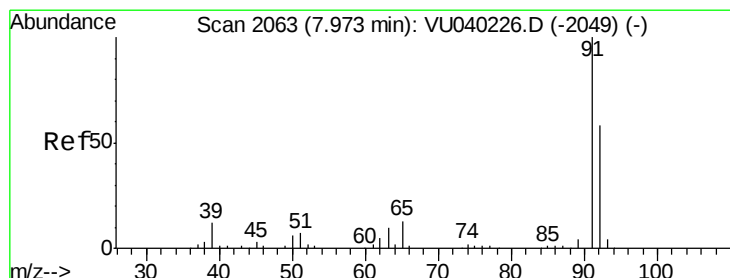
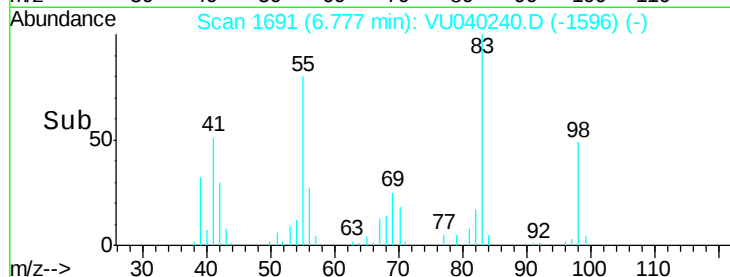
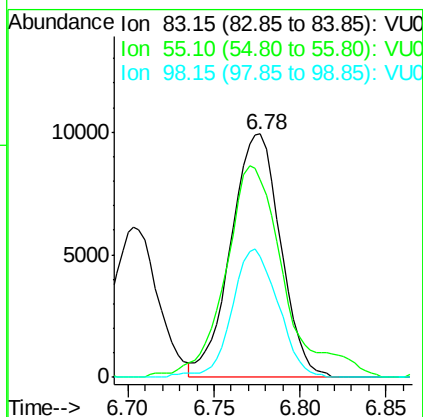
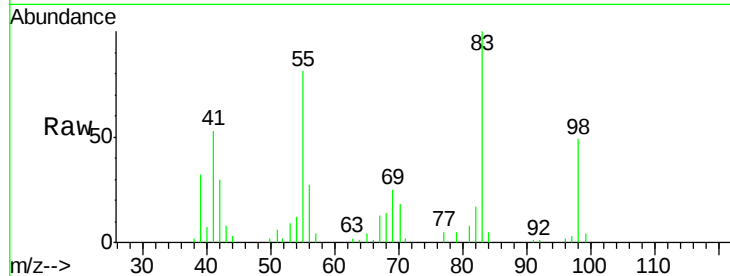
#35
Methvlcvclohexane
Concen: 1.037 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
BG0Q2

Tot Ion	83	Resp	19924
Ion Ratio	Lower	Upper	
83	100		
55	102.2	70.5	105.7
98	48.8	37.8	56.6

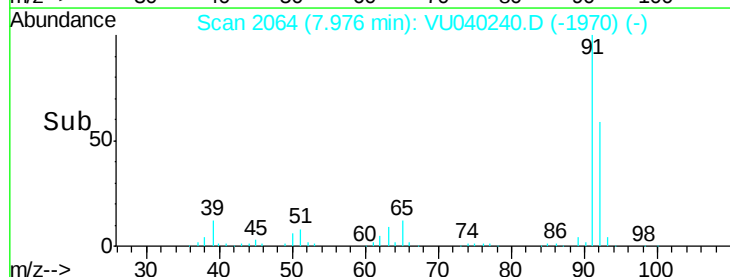
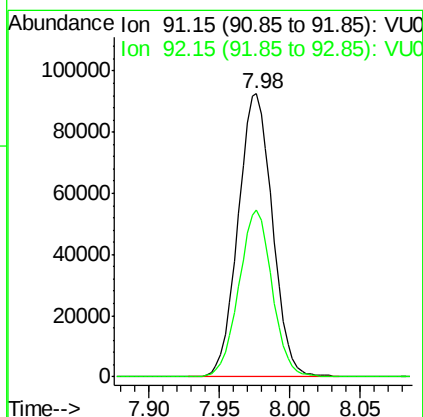
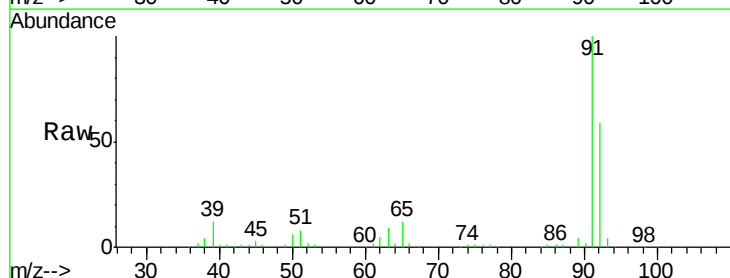
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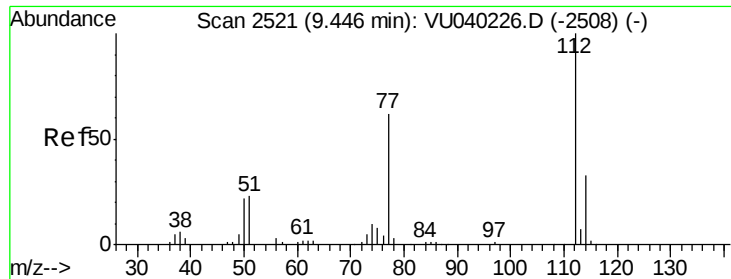
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#42
Toluene
Concen: 3.279 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Tgt Ion	91	Resp	157983
Ion Ratio	Lower	Upper	
91	100		
92	59.0	40.7	75.5





#51

Chlorobenzene

Concen: 43.552 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040240.D

Acq: 21 Sep 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

BG0Q2

Tot Ion:112 Resp: 1302752

Ion Ratio Lower Upper

112 100

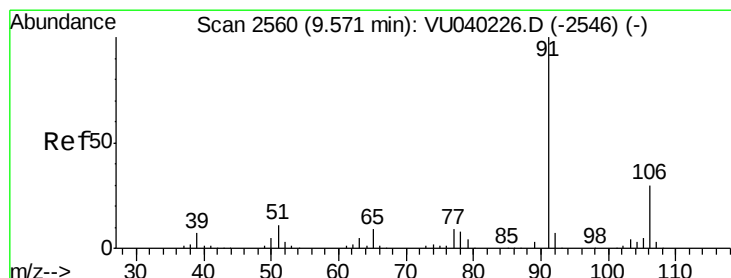
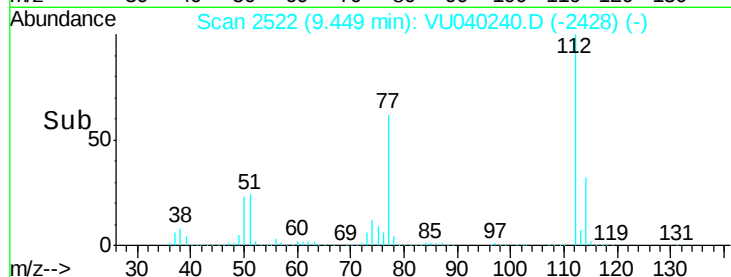
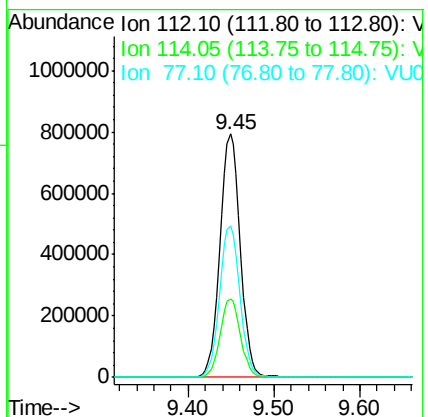
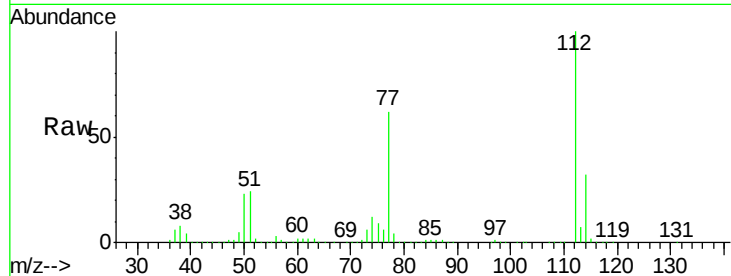
114 32.5 22.7 42.3

77 62.1 53.2 79.8

Manual Integrations
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#52

Ethylbenzene

Concen: 0.341 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040240.D

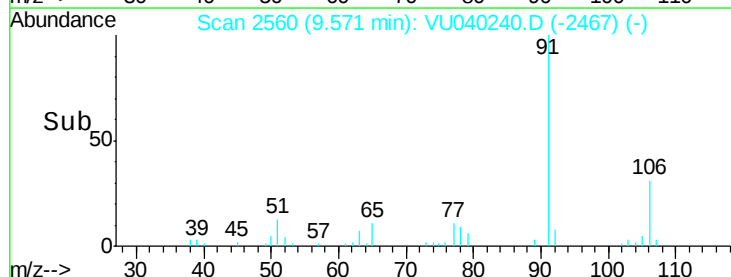
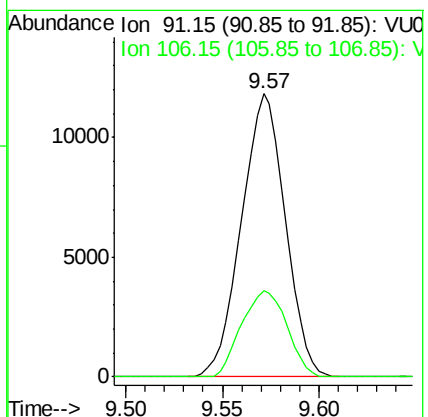
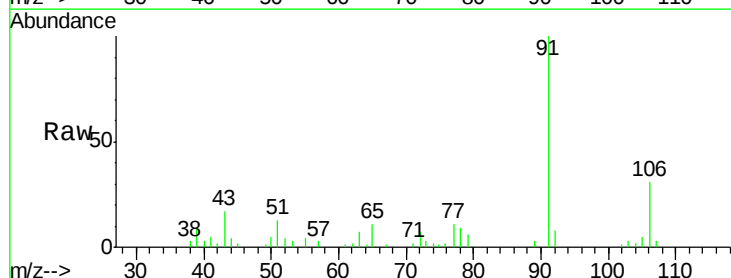
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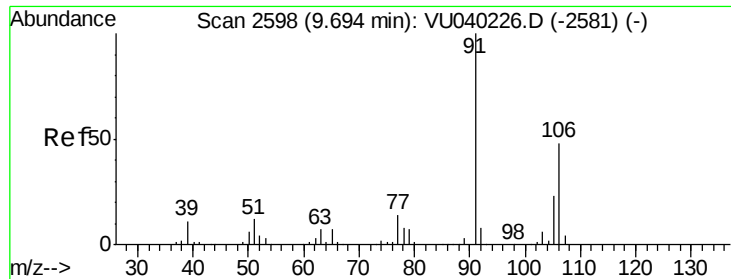
Tgt Ion: 91 Resp: 18668

Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0





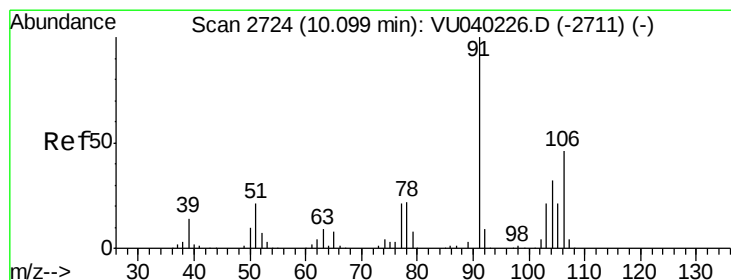
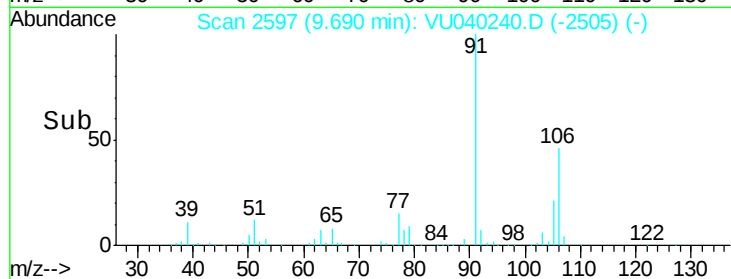
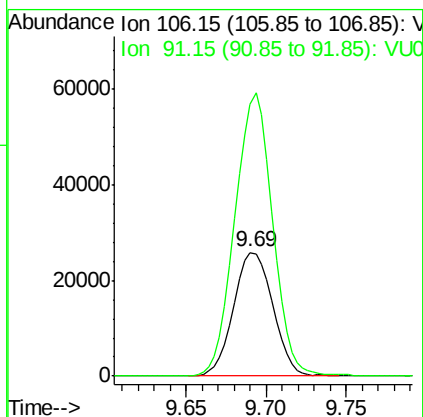
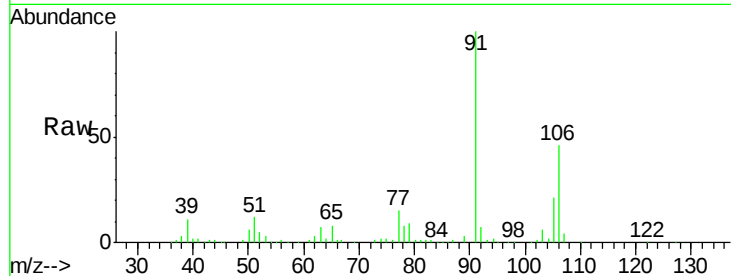
#53
m,p-Xylene
Concen: 2.236 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Instrument :
MSVOA_U
ClientSampled :
BG0Q2

Tot Ion:106 Resp: 43582
Ion Ratio Lower Upper
106 100
91 219.6 151.7 281.7

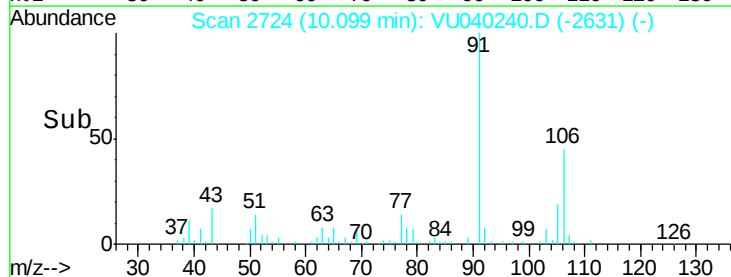
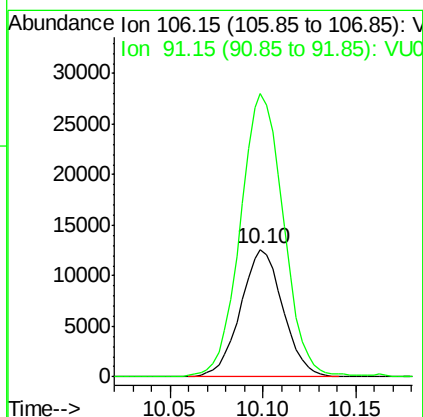
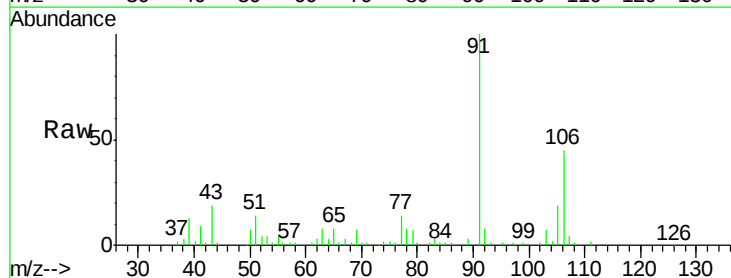
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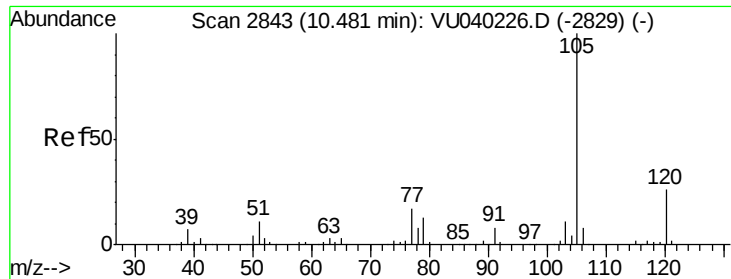
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#54
o-Xylene
Concen: 1.073 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040240.D
Acq: 21 Sep 2020 17:45

Tgt Ion:106 Resp: 19929
Ion Ratio Lower Upper
106 100
91 221.7 160.8 298.6





#56

Isopropylbenzene

Concen: 3.024 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040240.D

Acq: 21 Sep 2020 17:45

Instrument :

MSVOA_U

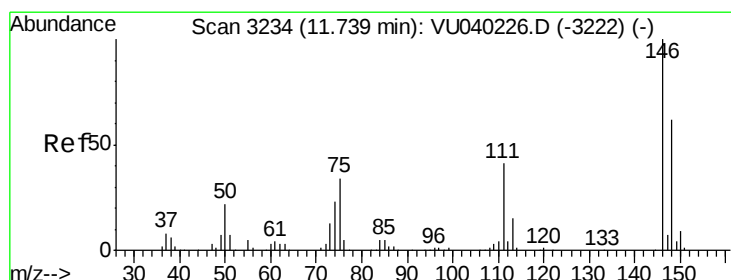
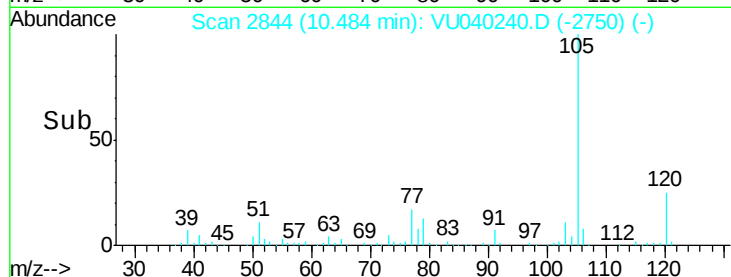
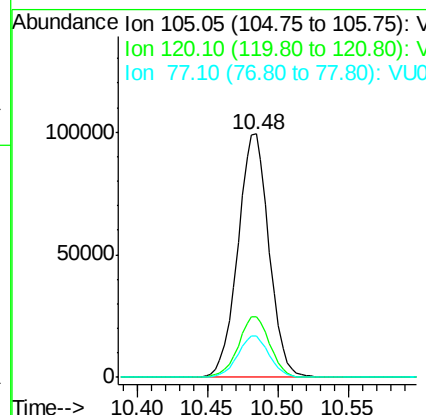
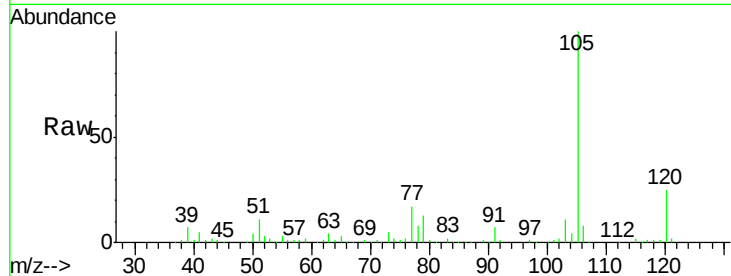
ClientSampleId :

BG0Q2

Tot Ion:	105	Resp:	153192
Ion Ratio	Lower	Upper	
105	100		
120	25.2	20.1	30.1
77	17.1	14.4	21.6

Manual Integrations
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#62

1,3-Dichlorobenzene

Concen: 0.302 ug/L

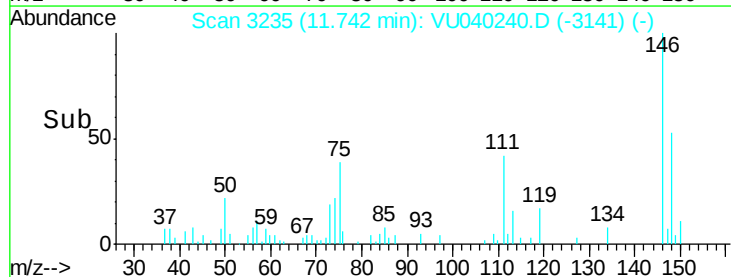
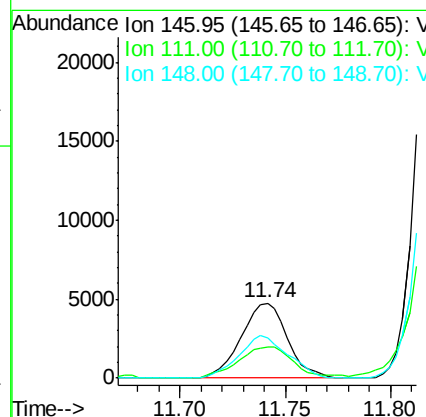
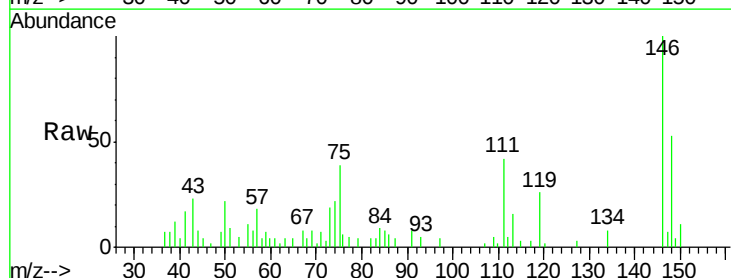
RT: 11.74 min Scan# 3235

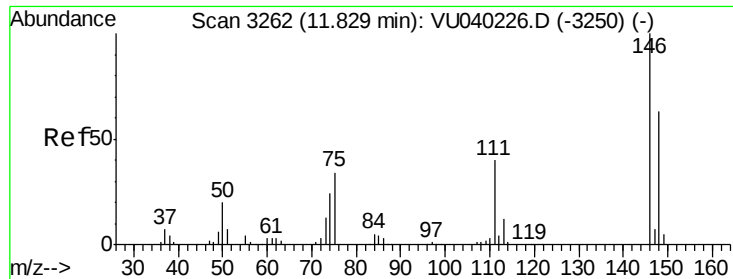
Delta R.T. 0.00 min

Lab File: VU040240.D

Acq: 21 Sep 2020 17:45

Tgt Ion:	146	Resp:	7223
Ion Ratio	Lower	Upper	
146	100		
111	41.9	31.6	58.8
148	52.6	44.2	82.0





#63

1,4-Dichlorobenzene

Concen: 4.558 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040240.D

Acq: 21 Sep 2020 17:45

Instrument :

MSVOA_U

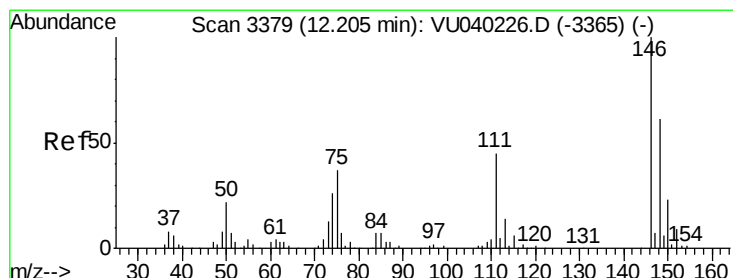
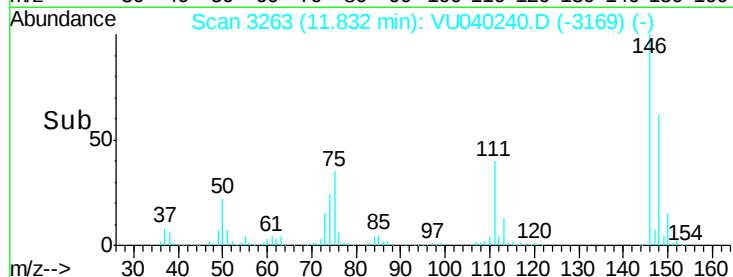
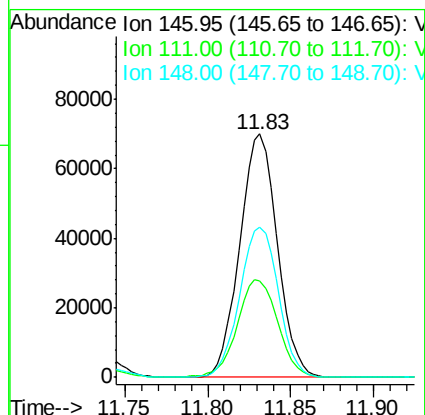
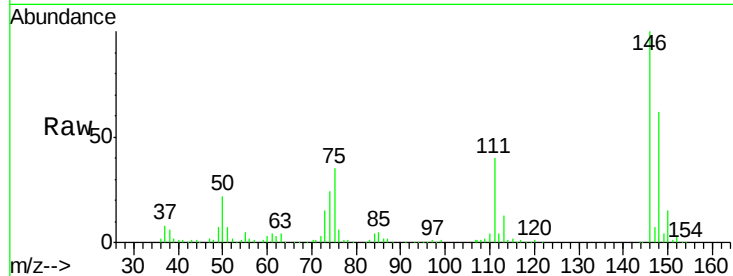
ClientSampled :

BG0Q2

Tot Ion:	146	Resp:	110339
Ion Ratio	Lower	Upper	
146	100		
111	39.7	30.5	56.7
148	61.9	45.4	84.4

Manual Integrations
APPROVED

MMDadoda
9/22/2020 4:40:58 PM



#65

1,2-Dichlorobenzene

Concen: 0.882 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040240.D

Acq: 21 Sep 2020 17:45

Tgt Ion:	146	Resp:	20423
Ion Ratio	Lower	Upper	
146	100		
111	41.2	36.5	54.7
148	60.8	48.6	72.8

