

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
 Data File : VU040342.D
 Acq On : 28 Sep 2020 19:29
 Operator : SY/MD
 Sample : L4139-07DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 BG493DL

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:27:56 PM

Quant Time: Sep 29 08:53:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 07:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126782	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124434	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35402	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.92	69	33722	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.58	63	60166	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	163565	59.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.16%
24) Chloroform-d	5.08	84	78800	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	50626	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	152118	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.70	67	51597	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	126215	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.18	79	20101	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	122435	58.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44766	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52943	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	2299	0.313	ug/L	88
16) Methylene chloride	3.06	84	2184	0.170	ug/L	83
25) Chloroform	5.11	83	3678	0.165	ug/L	91
30) Cyclohexane	5.41	56	2211m	0.117	ug/L	
33) Benzene	5.79	78	732756	16.461	ug/L	100
35) Methylcyclohexane	6.77	83	1954	0.107	ug/L	93
42) Toluene	7.98	91	806494	17.592	ug/L	100
51) Chlorobenzene	9.45	112	210953	7.412	ug/L	95
52) Ethylbenzene	9.57	91	89409	1.717	ug/L	99
53) m,p-Xylene	9.69	106	95684	5.160	ug/L	98
54) o-Xylene	10.10	106	37555	2.125	ug/L	98
56) Isopropylbenzene	10.48	105	41084	0.852	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	4878	0.217	ug/L	89
65) 1,2-Dichlorobenzene	12.21	146	3123	0.145	ug/L	90

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

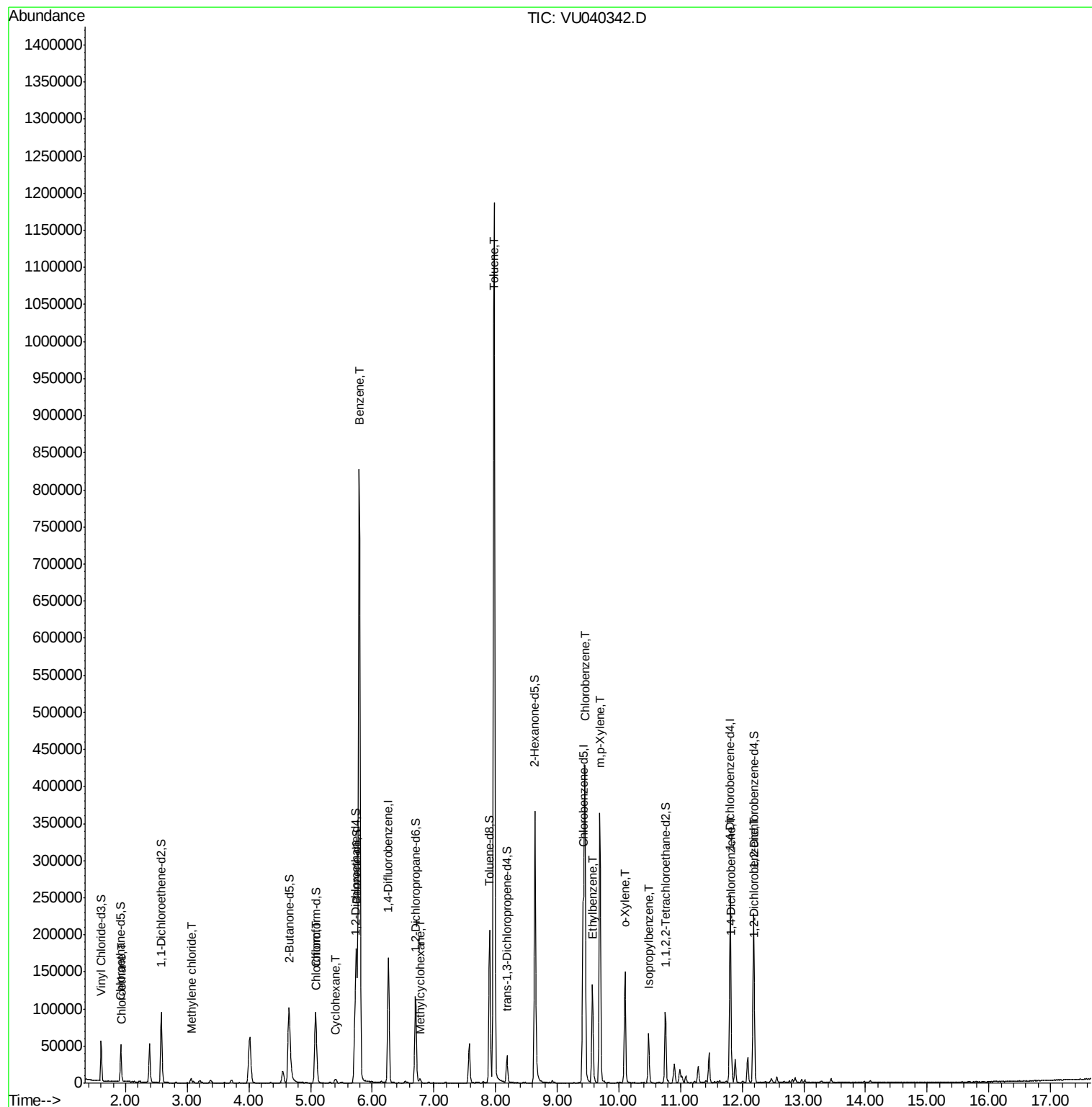
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040342.D
Acq On : 28 Sep 2020 19:29
Operator : SY/MD
Sample : L4139-07DL 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

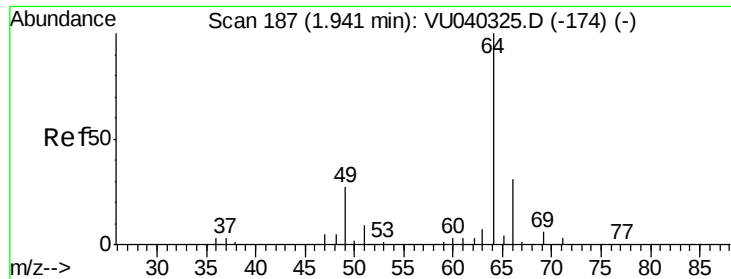
Instrument :
MSVOA_U
ClientSampleId :
BG493DL

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Quant Time: Sep 29 08:53:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.313 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

BG493DL

Tot Ion: 64 Resp: 2299

Ion Ratio Lower Upper

64 100

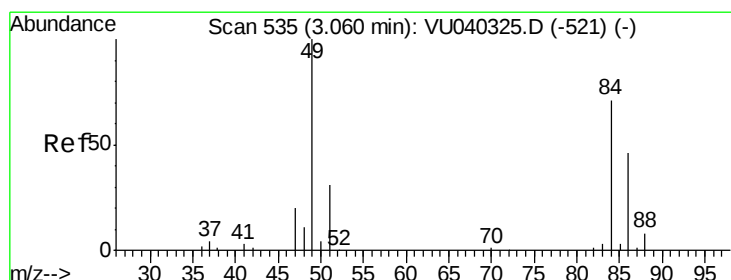
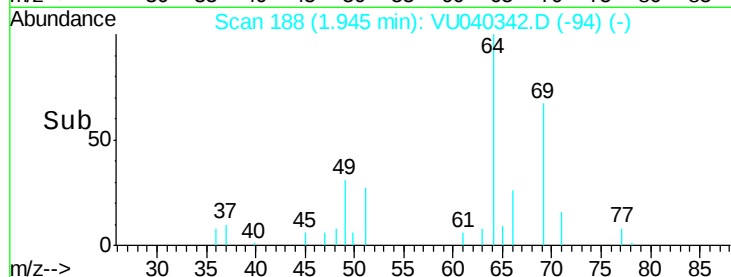
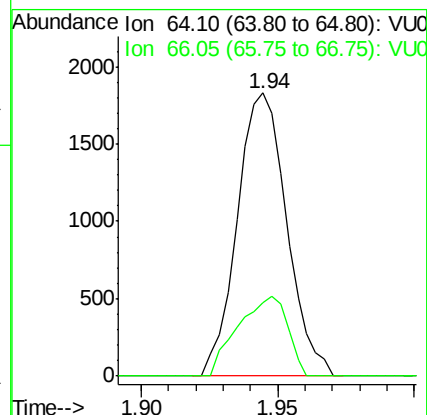
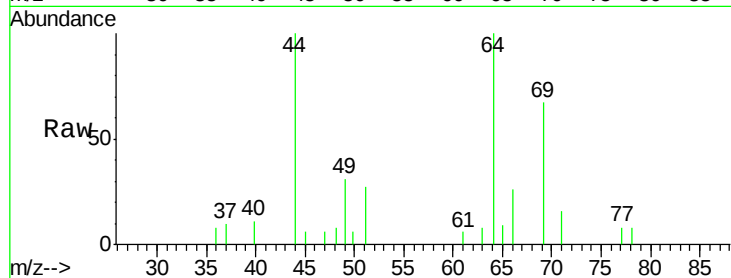
66 25.8 22.7 42.1

Manual Integrations

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#16

Methylene chloride

Concen: 0.170 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

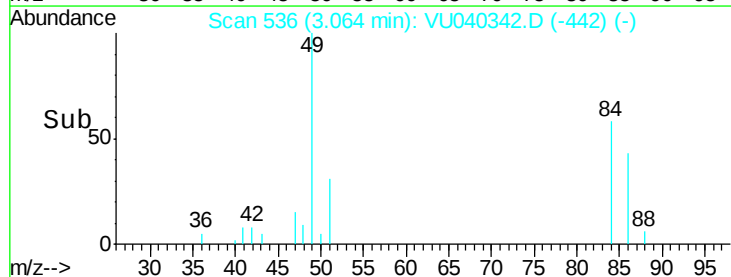
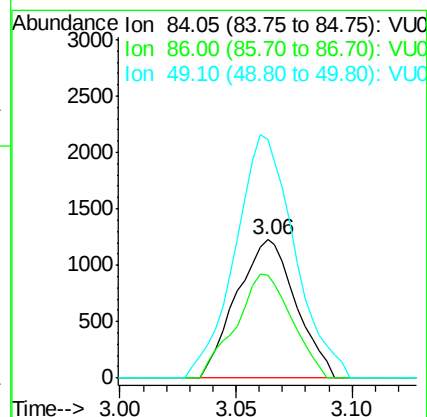
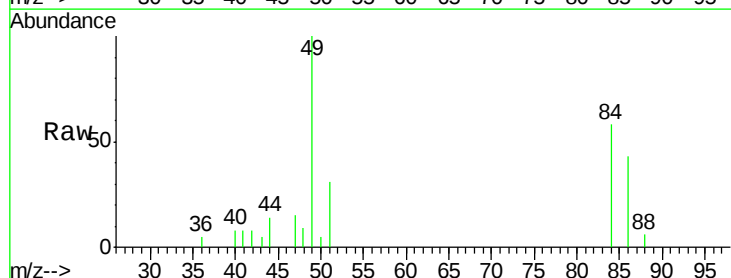
Tgt Ion: 84 Resp: 2184

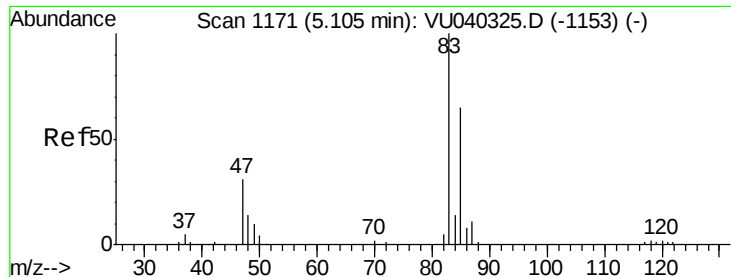
Ion Ratio Lower Upper

84 100

86 74.6 45.2 84.0

49 172.1 104.0 193.2





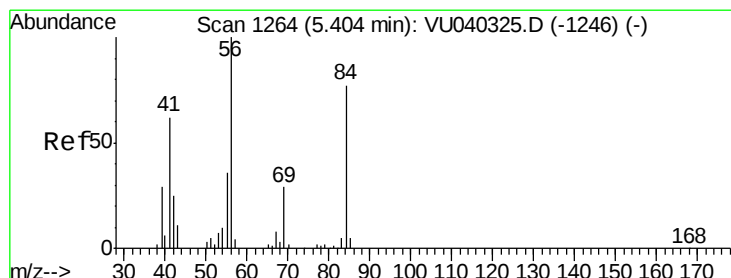
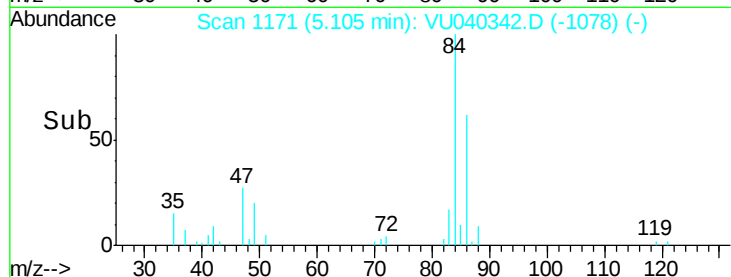
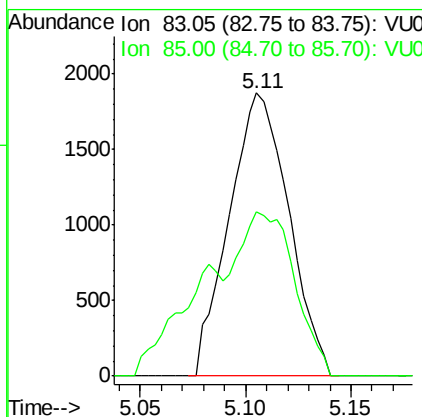
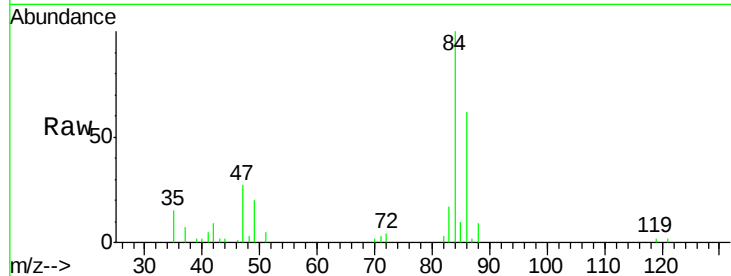
#25
Chloroform
Concen: 0.165 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040342.D
Acq: 28 Sep 2020 19:29

Instrument :
MSVOA_U
ClientSampleId :
BG493DL

Tot Ion	83	Resp	3678
Ion Ratio	100	Lower	Upper
85	57.9	45.3	84.1

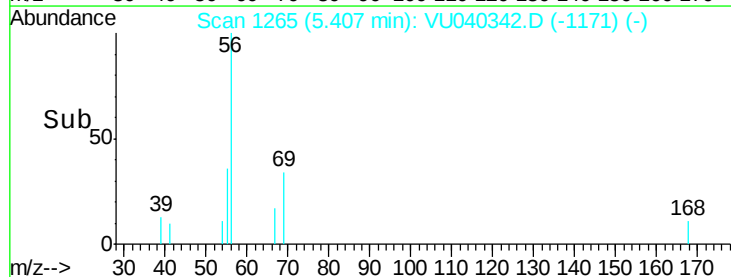
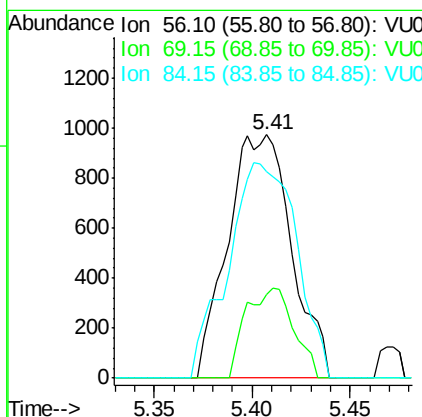
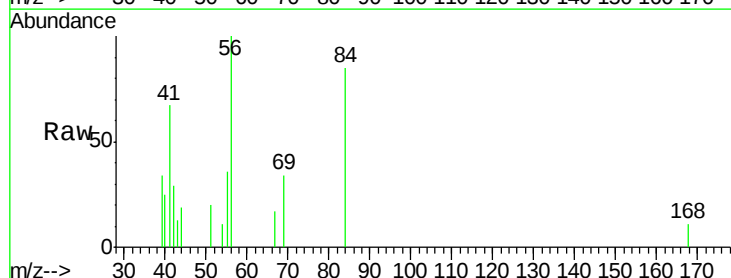
Manual Integrations
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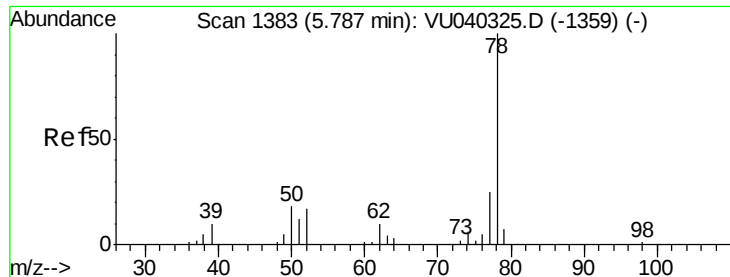
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#30
Cyclohexane
Concen: 0.117 ug/L m
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040342.D
Acq: 28 Sep 2020 19:29

Tgt Ion	56	Resp	2211
Ion Ratio	100	Lower	Upper
69	27.6	24.1	36.1
84	94.8	65.0	97.4





#33

Benzene

Concen: 16.461 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Instrument :

MSVOA_U

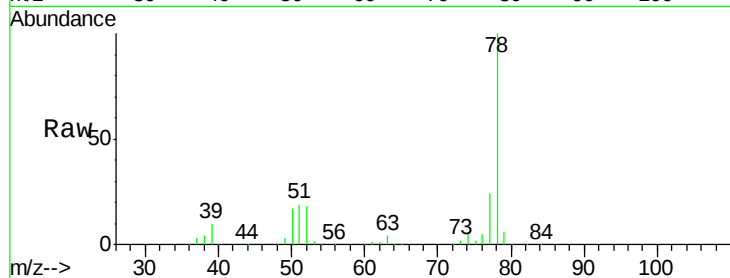
ClientSampleId :

BG493DL

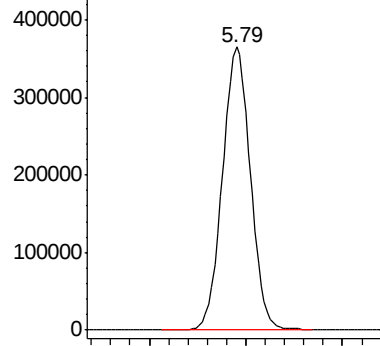
Tgt Ion: 78 Resp: 732756

Manual Integrations
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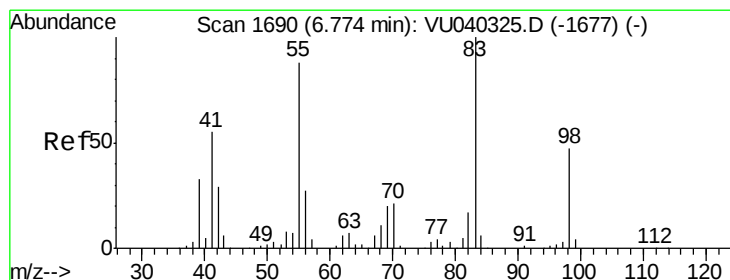
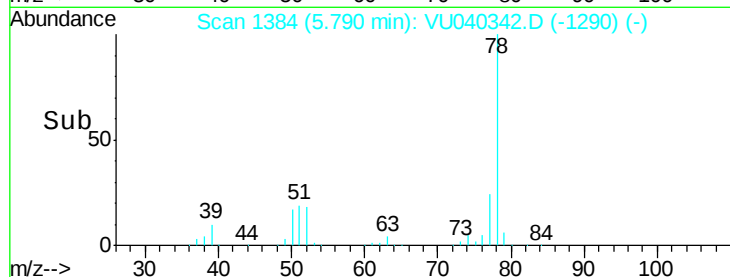
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Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#35

Methylcyclohexane

Concen: 0.107 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

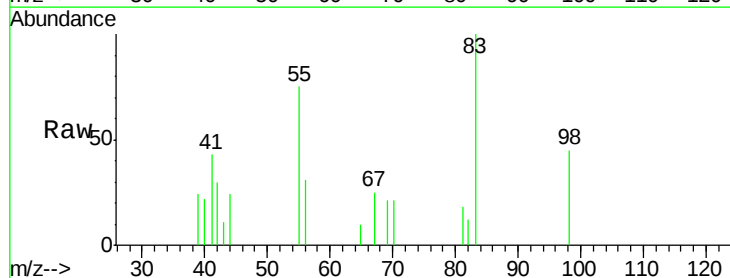
Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Tgt Ion: 83 Resp: 1954

Ion	Ratio	Lower	Upper
83	100		
55	82.7	70.5	105.7
98	42.0	37.8	56.6

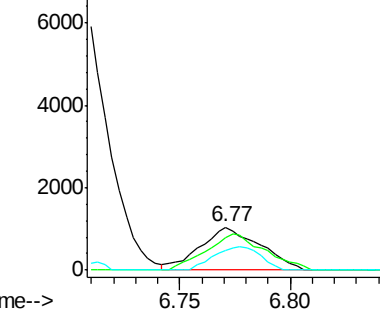
55	82.7	70.5	105.7
98	42.0	37.8	56.6



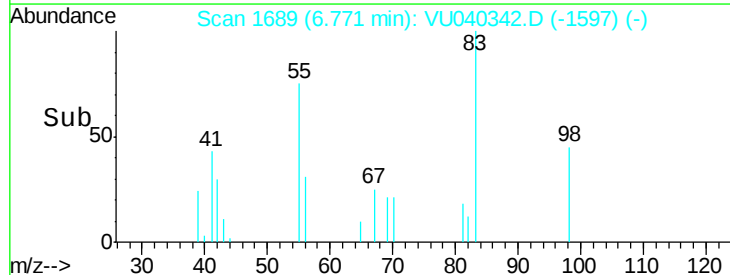
Abundance Ion 83.15 (82.85 to 83.85): VU0

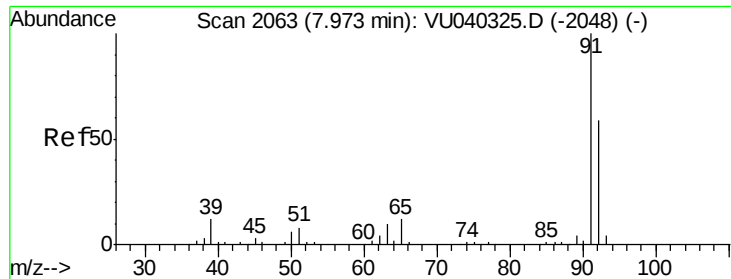
Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



Time-->





#42

Toluene

Concen: 17.592 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Instrument :

MSVOA_U

ClientSampled :

BG493DL

Tot Ion: 91 Resp: 806494

Ion Ratio Lower Upper

91 100

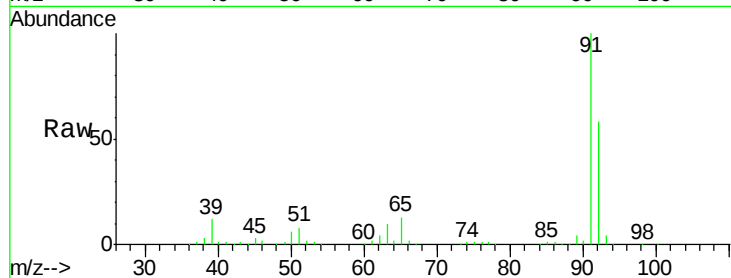
92 58.2 40.7 75.5

Manual Integrations

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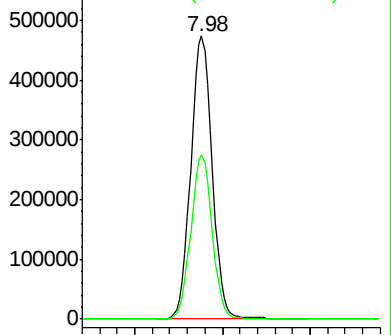
MMDadoda

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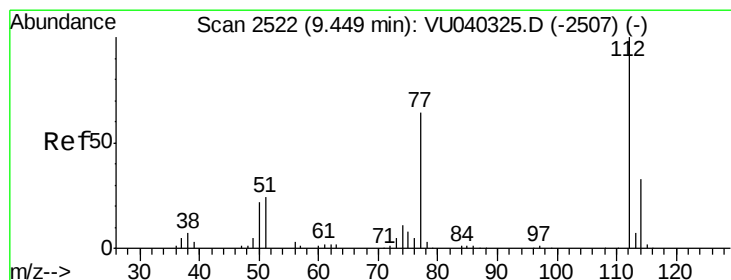
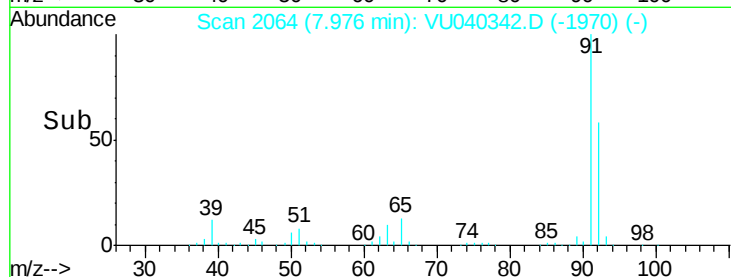


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#51

Chlorobenzene

Concen: 7.412 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

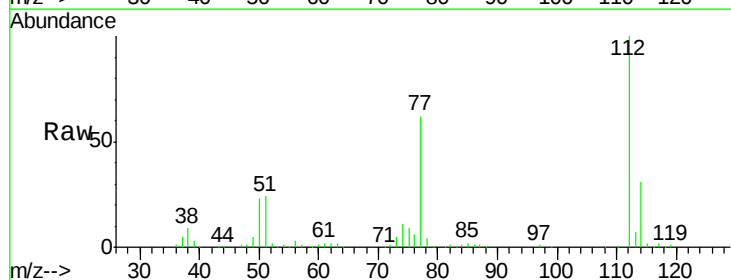
Tgt Ion: 112 Resp: 210953

Ion Ratio Lower Upper

112 100

114 31.1 22.7 42.3

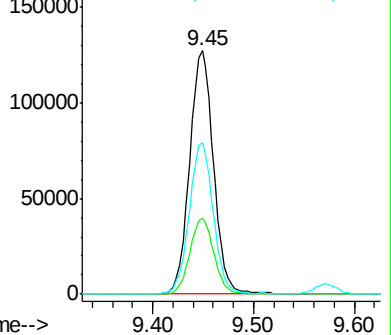
77 62.0 53.2 79.8



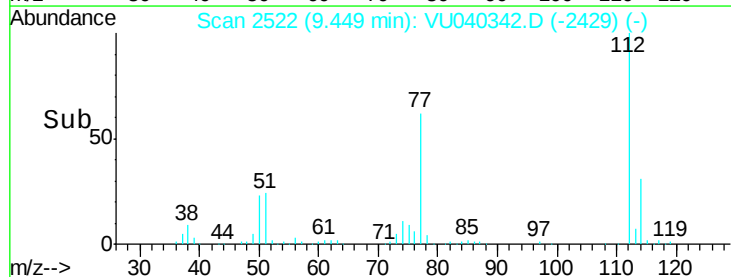
Abundance Ion 112.10 (111.80 to 112.80): V

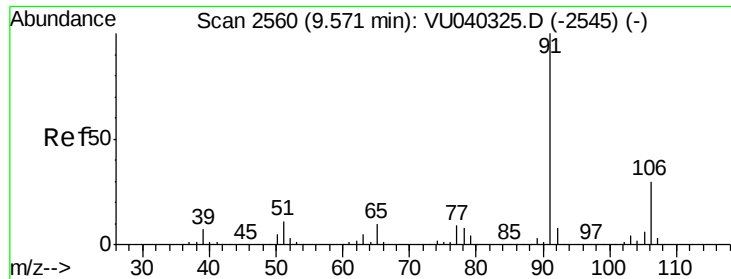
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



Time-->





#52

Ethylbenzene

Concen: 1.717 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Tot Ion: 91 Resp: 89409

Ion Ratio Lower Upper

91 100

106 29.3 21.0 39.0

Instrument :

MSVOA_U

ClientSampled :

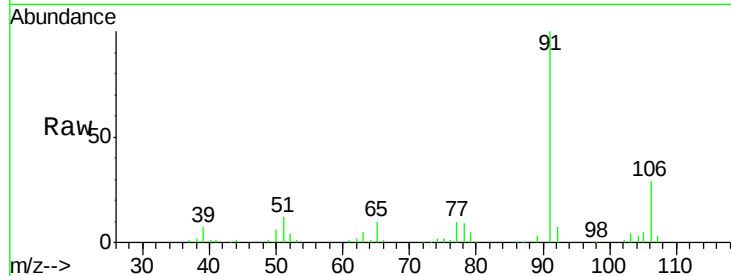
BG493DL

Manual Integrations

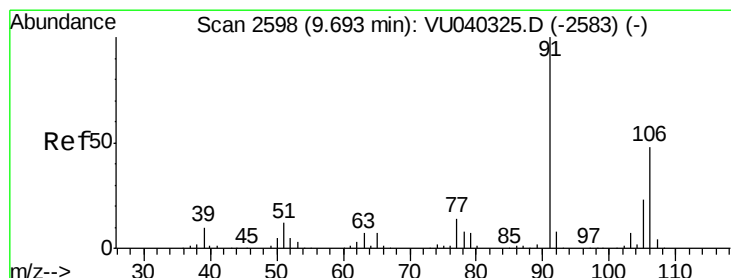
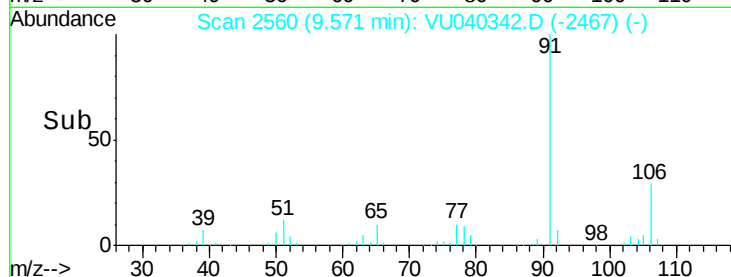
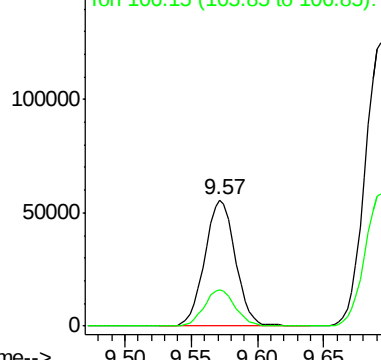
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Abundance Ion 91.15 (90.85 to 91.85): VU040342.D (-2545) (-)



#53

m,p-Xylene

Concen: 5.160 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040342.D

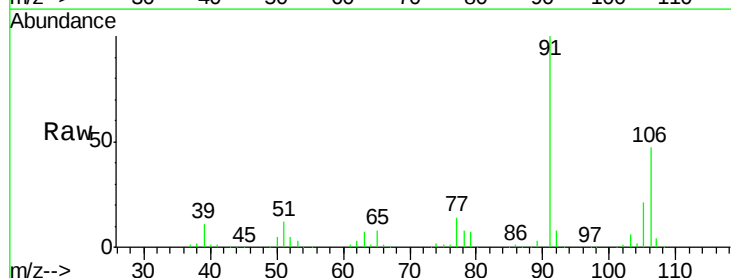
Acq: 28 Sep 2020 19:29

Tgt Ion: 106 Resp: 95684

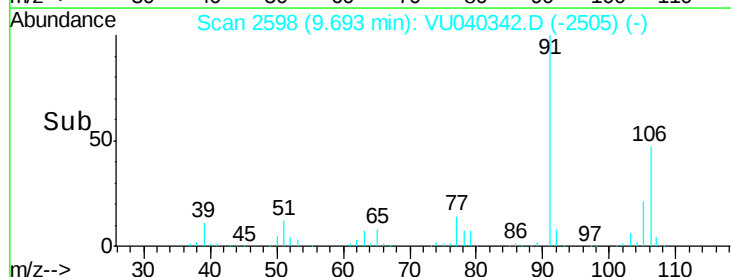
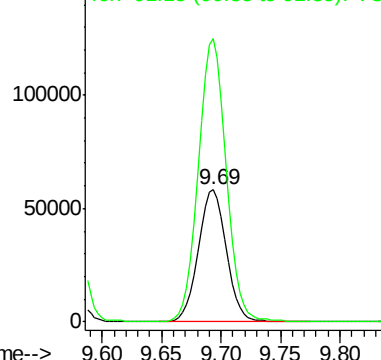
Ion Ratio Lower Upper

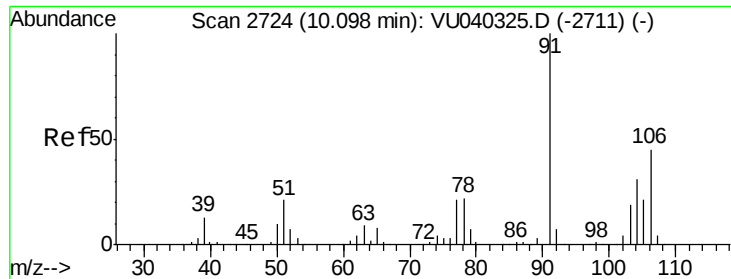
106 100

91 214.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040342.D (-2583) (-)





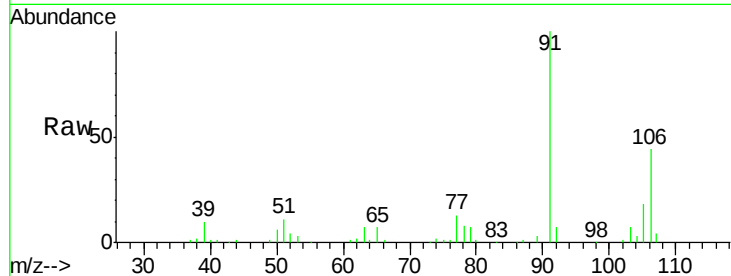
#54
o-Xylene
Concen: 2.125 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040342.D
Acq: 28 Sep 2020 19:29

Instrument :
MSVOA_U
ClientSampleId :
BG493DL

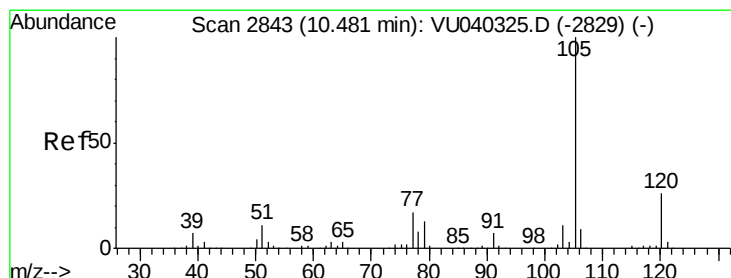
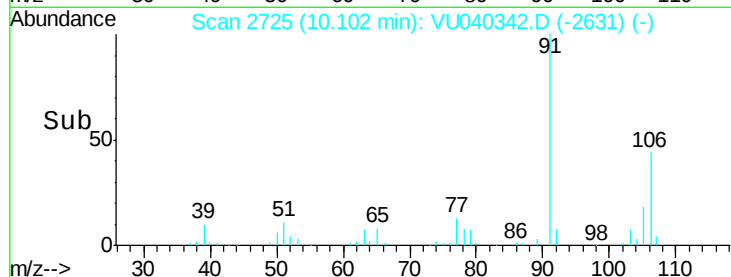
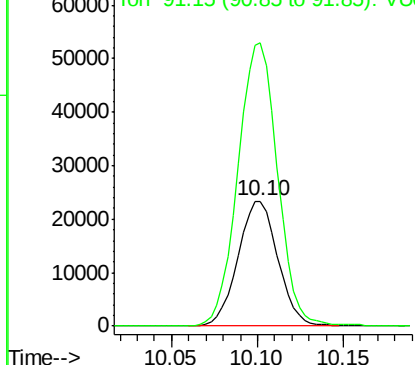
Tot Ion:106 Resp: 37555
Ion Ratio Lower Upper
106 100
91 226.4 160.8 298.6

Manual Integrations
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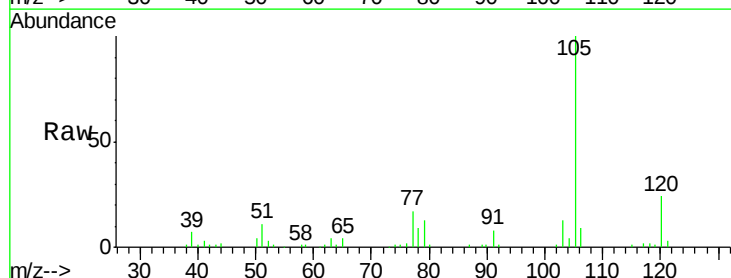


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

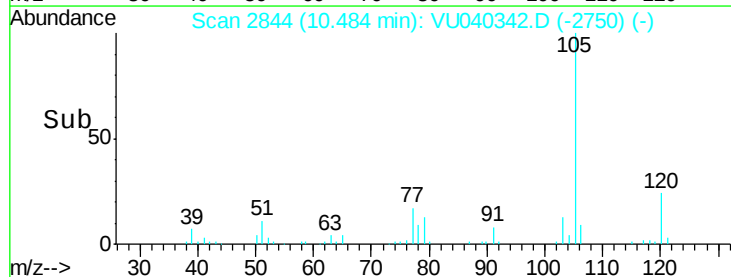
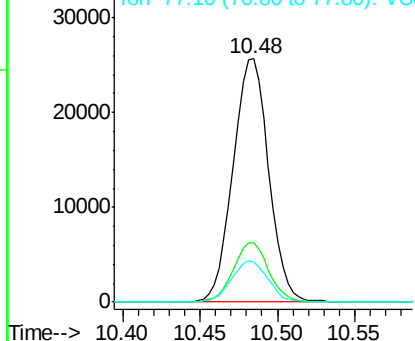


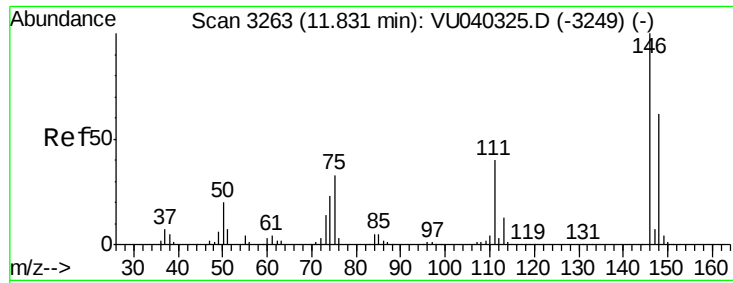
#56
Isopropylbenzene
Concen: 0.852 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040342.D
Acq: 28 Sep 2020 19:29

Tgt Ion:105 Resp: 41084
Ion Ratio Lower Upper
105 100
120 24.2 20.1 30.1
77 17.3 14.4 21.6



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





#63

1,4-Dichlorobenzene

Concen: 0.217 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Instrument :

MSVOA_U

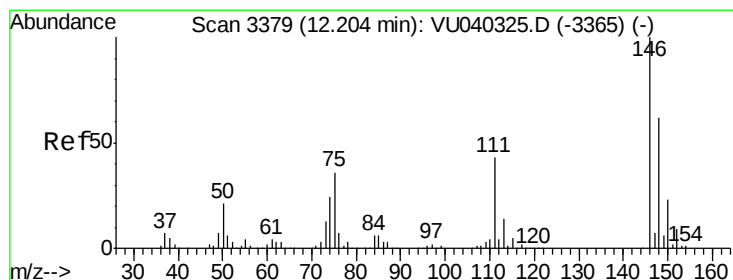
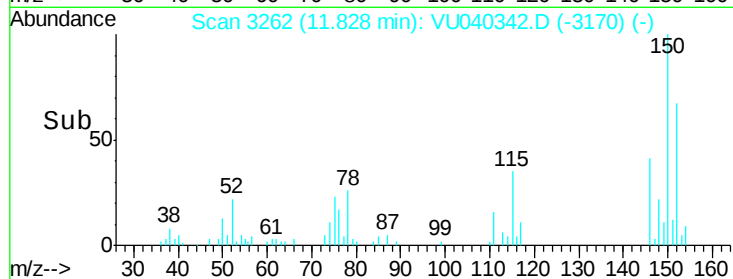
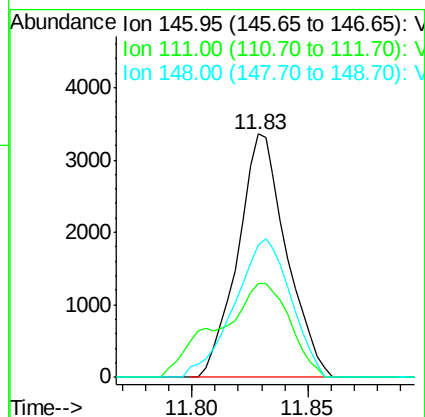
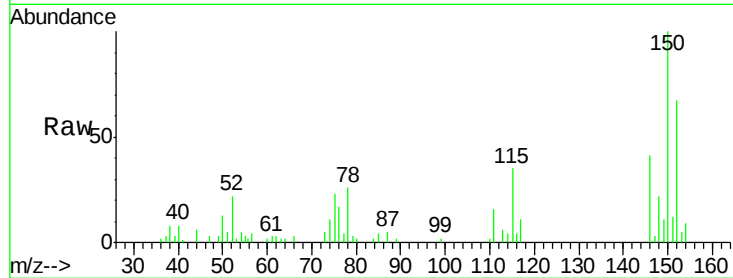
ClientSampleId :

BG493DL

Tot Ion:	146	Resp:	4878
Ion Ratio	Lower	Upper	
146	100		
111	38.7	30.5	56.7
148	54.2	45.4	84.4

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:27:56 PM



#65

1,2-Dichlorobenzene

Concen: 0.145 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040342.D

Acq: 28 Sep 2020 19:29

Tgt Ion:	146	Resp:	3123
Ion Ratio	Lower	Upper	
146	100		
111	48.9	36.5	54.7
148	50.4	48.6	72.8

