

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
 Data File : VU040341.D
 Acq On : 28 Sep 2020 19:06
 Operator : SY/MD
 Sample : L4139-06DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG491DL

Quant Time: Sep 29 08:45:56 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	128954	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128907	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36495	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.92	69	35184	6.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.00%
11) 1,1-Dichloroethene-d2	2.58	63	58478	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.65	46	162508	57.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.42%
24) Chloroform-d	5.08	84	77956	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	49998	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.75	84	153655	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	51898	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.91	98	124643	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.19	79	18929	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	118827	55.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45810	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51979	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2915	0.235	ug/L #	79
8) Chloroethane	1.94	64	23251	3.115	ug/L	99
13) Acetone	2.66	43	17267	6.623	ug/L	99
16) Methylene chloride	3.06	84	1842	0.141	ug/L	87
19) 1,1-Dichloroethane	3.89	63	2596	0.117	ug/L #	76
22) cis-1,2-Dichloroethene	4.69	96	18225	1.579	ug/L	97
25) Chloroform	5.11	83	4036	0.178	ug/L	98
33) Benzene	5.79	78	82278	1.784	ug/L	100
35) Methylcyclohexane	6.77	83	1221	0.064	ug/L	91
42) Toluene	7.98	91	323176	6.805	ug/L	98
51) Chlorobenzene	9.45	112	80063	2.715	ug/L	94
52) Ethylbenzene	9.57	91	51918	0.962	ug/L	99
53) m,p-Xylene	9.69	106	80958	4.214	ug/L	98
54) o-Xylene	10.10	106	16194	0.885	ug/L	93
56) Isopropylbenzene	10.48	105	9028	0.181	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	2835	0.121	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	1977	0.088	ug/L	95

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QLast Update : Tue Sep 29 07:18:40 2020
Response via : Initial Calibration

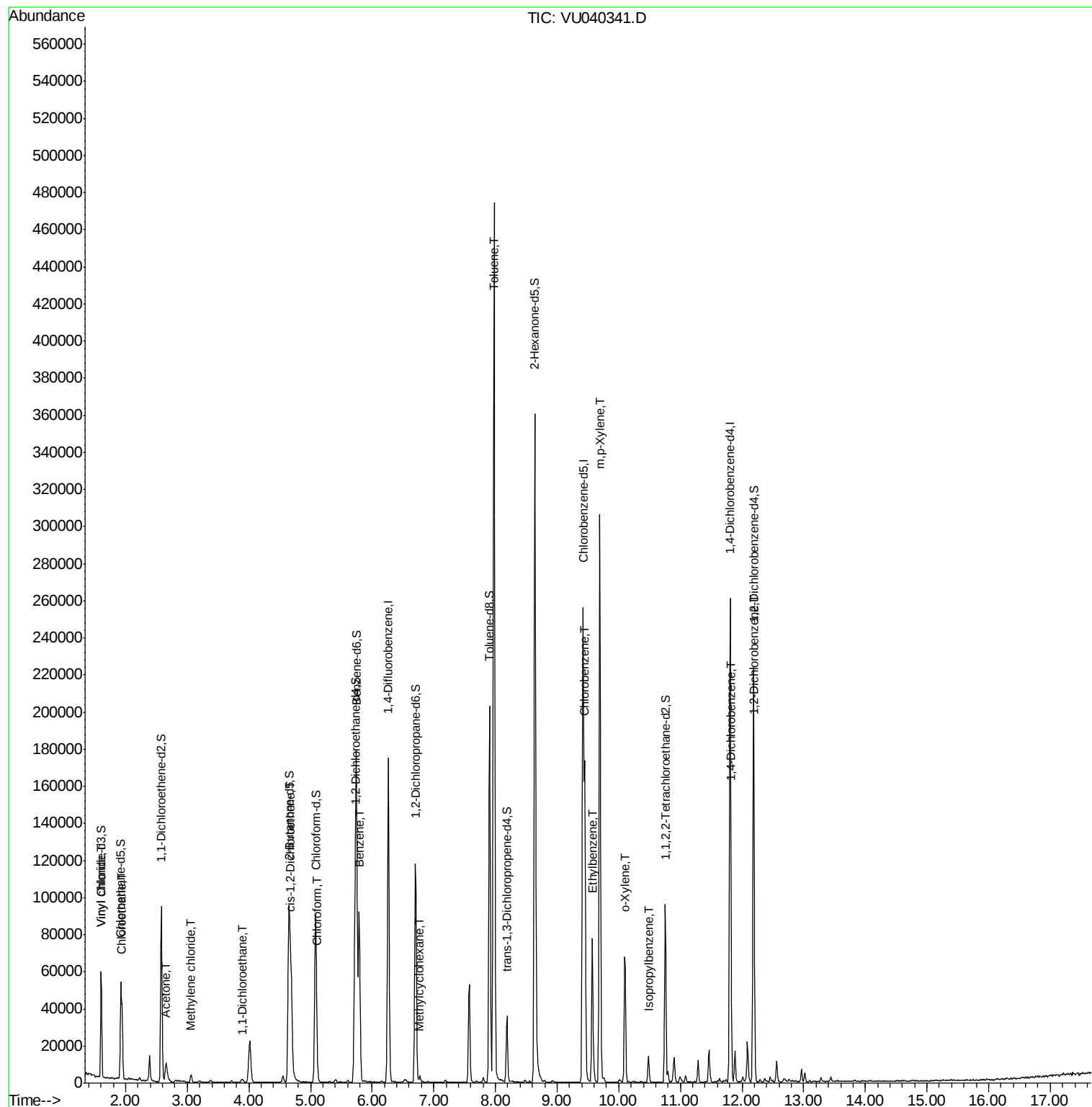
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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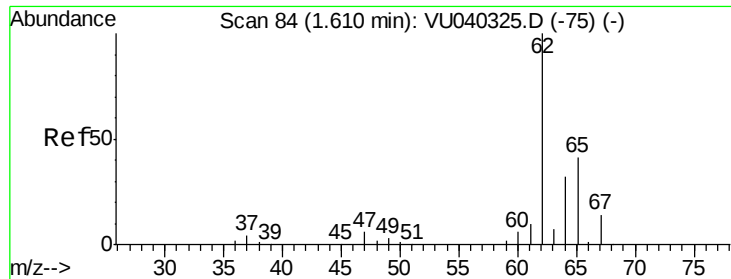
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092820\
Data File : VU040341.D
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.235 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

Instrument :

MSVOA_U

ClientSampleID :

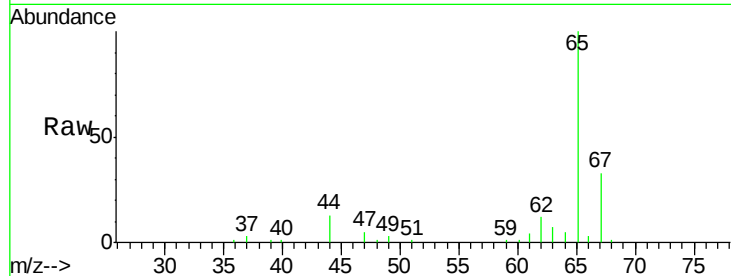
BG491DL

Tot Ion: 62 Resp: 2915

Ion Ratio Lower Upper

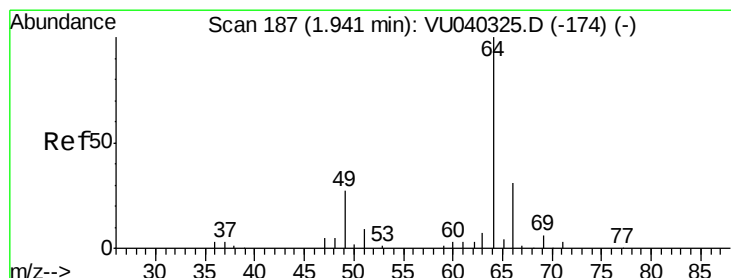
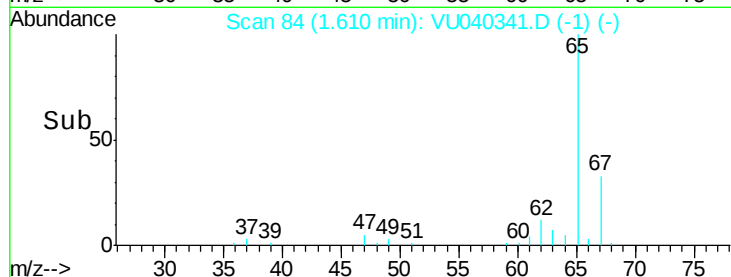
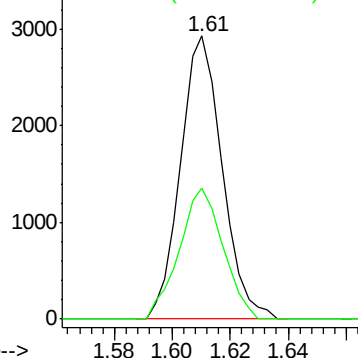
62 100

64 46.1 23.9 44.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 3.115 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040341.D

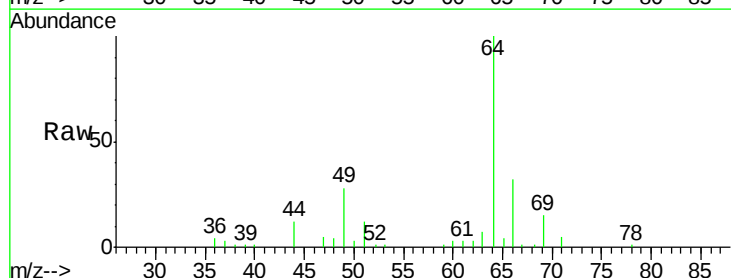
Acq: 28 Sep 2020 19:06

Tgt Ion: 64 Resp: 23251

Ion Ratio Lower Upper

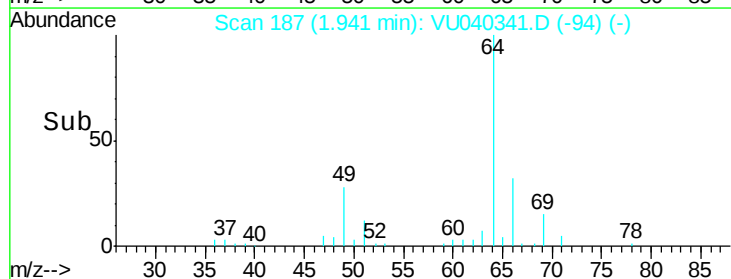
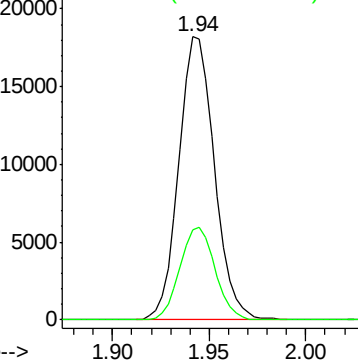
64 100

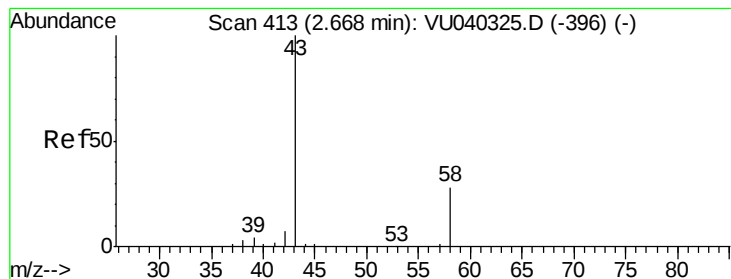
66 31.8 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 6.623 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

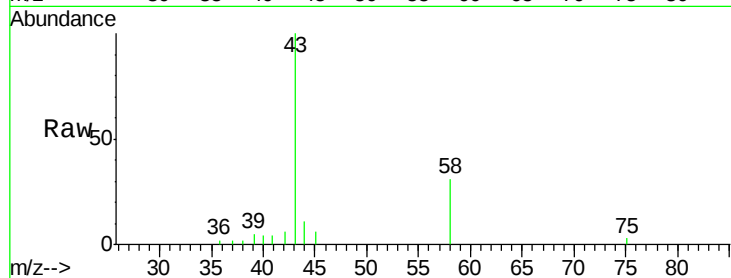
BG491DL

Tot Ion: 43 Resp: 17267

Ion Ratio Lower Upper

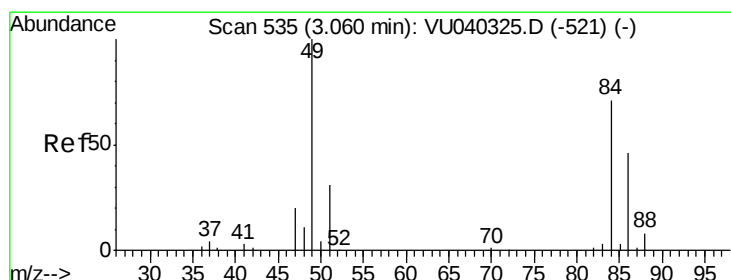
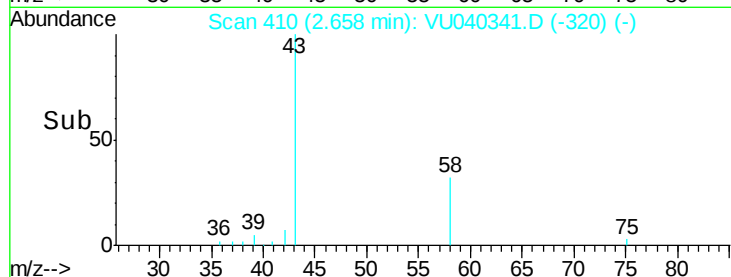
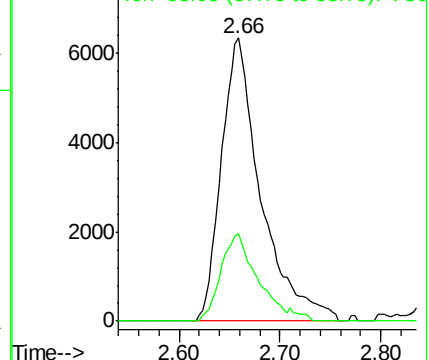
43 100

58 28.1 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.141 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

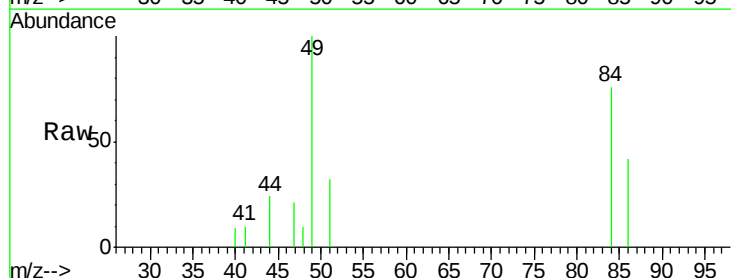
Tgt Ion: 84 Resp: 1842

Ion Ratio Lower Upper

84 100

86 55.2 45.2 84.0

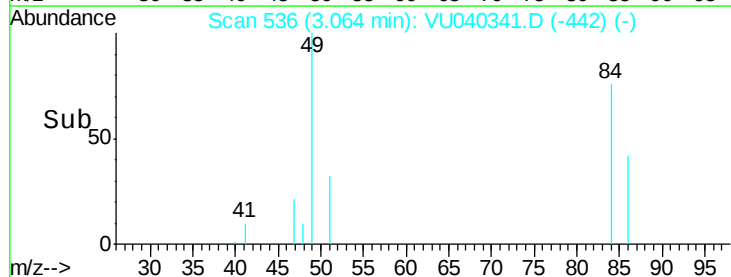
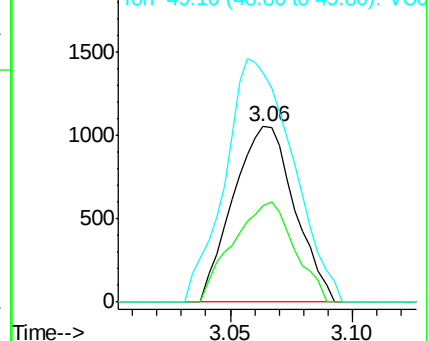
49 131.0 104.0 193.2

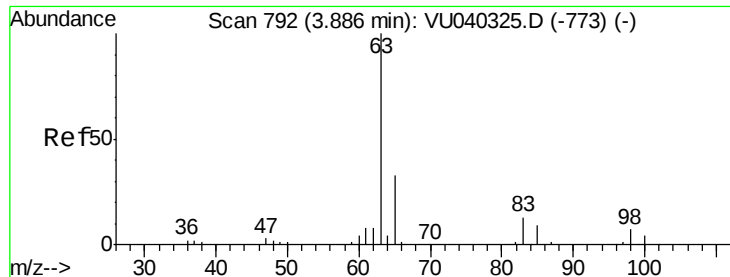


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

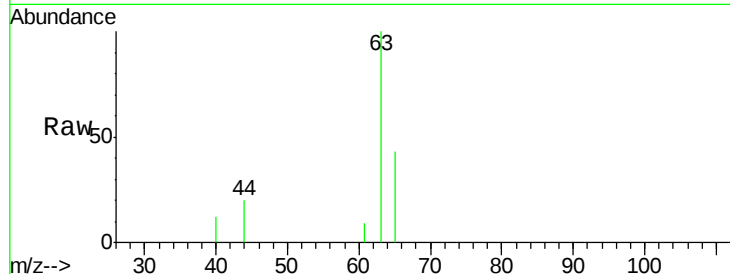




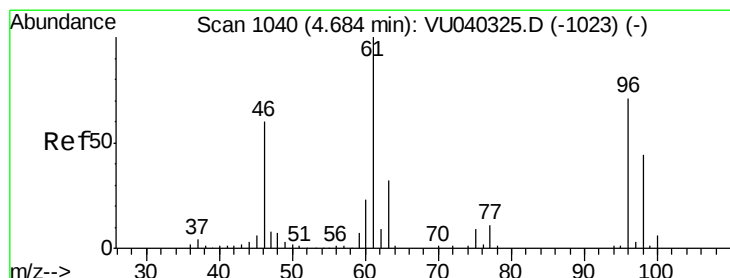
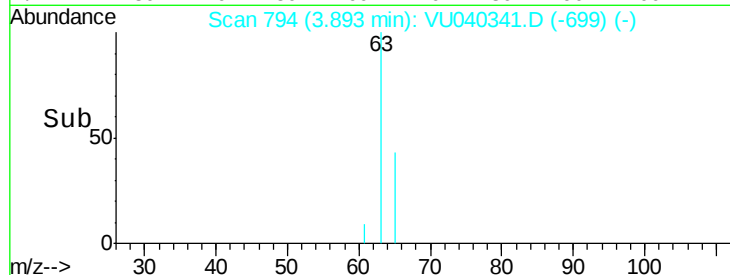
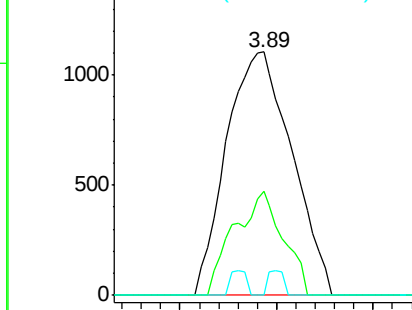
#19
 1,1-Dichloroethane
 Concen: 0.117 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040341.D
 Acq: 28 Sep 2020 19:06

Instrument :
 MSVOA_U
 ClientSampled :
 BG491DL

Tot Ion: 63 Resp: 2596
 Ion Ratio Lower Upper
 63 100
 65 42.5 22.2 41.2#
 83 0.0 9.4 17.6#

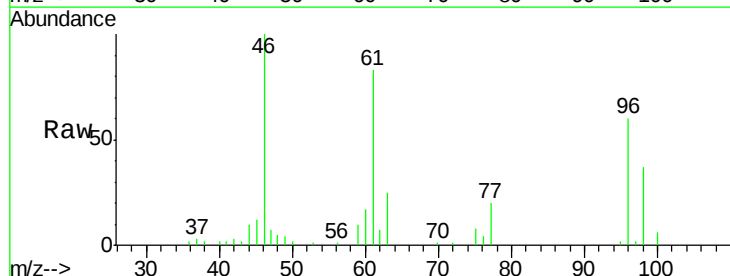


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

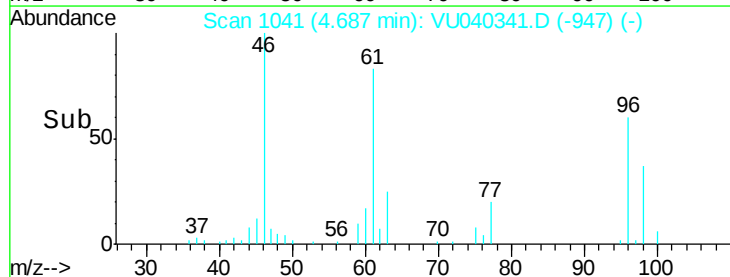
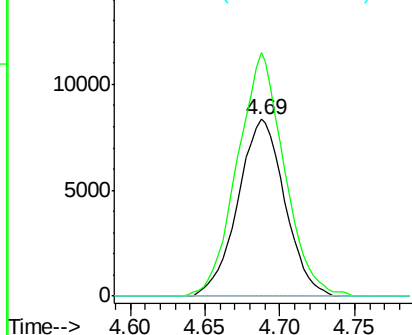


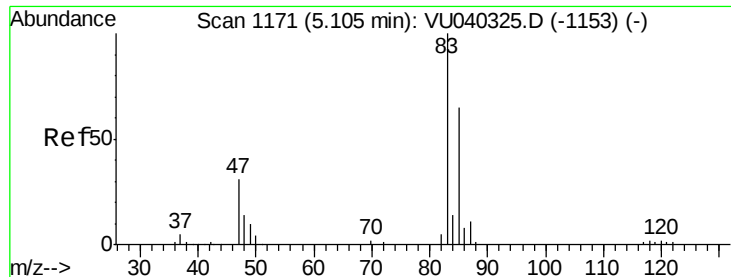
#22
 cis-1,2-Dichloroethene
 Concen: 1.579 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040341.D
 Acq: 28 Sep 2020 19:06

Tgt Ion: 96 Resp: 18225
 Ion Ratio Lower Upper
 96 100
 61 137.7 98.8 183.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

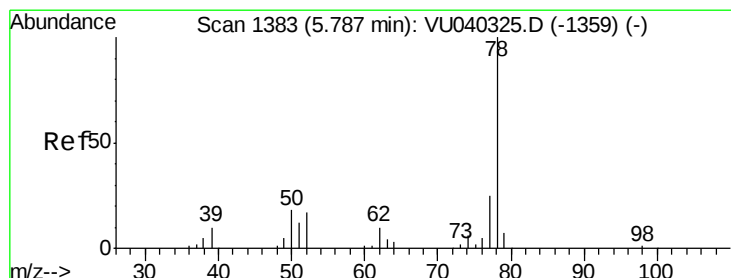
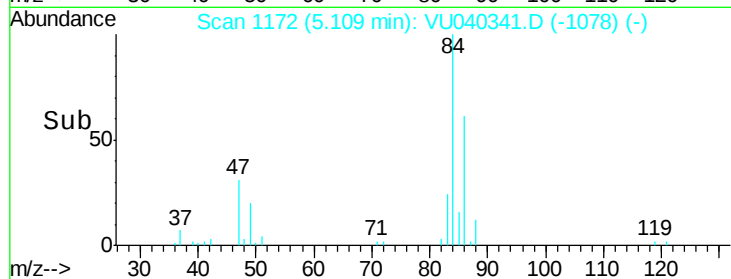
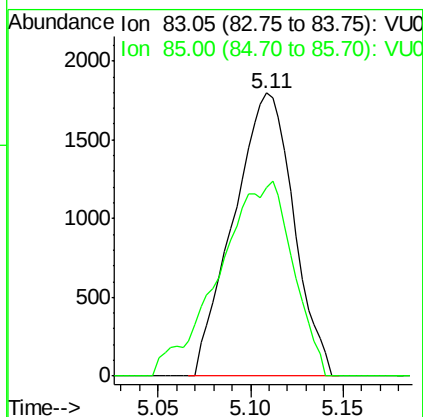
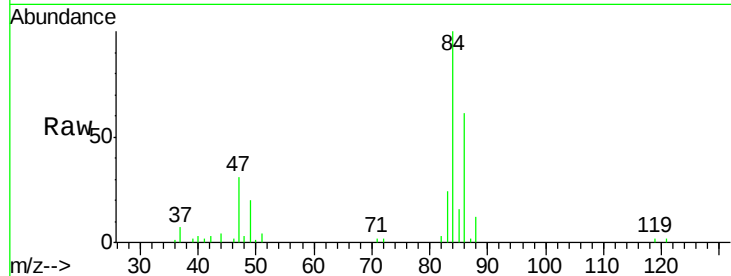




#25
Chloroform
Concen: 0.178 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040341.D
Acq: 28 Sep 2020 19:06

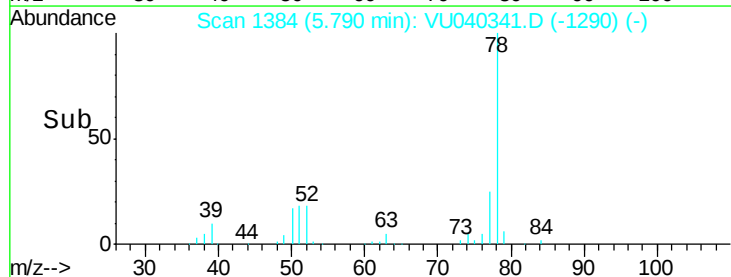
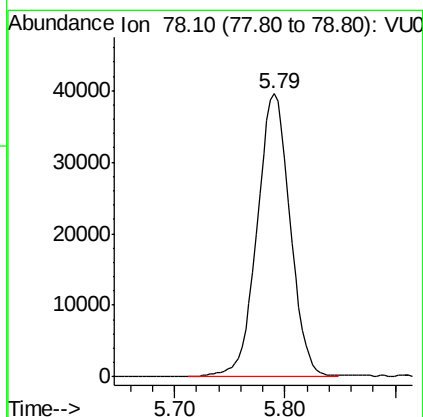
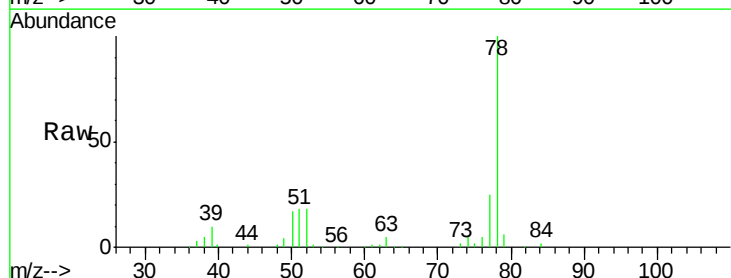
Instrument :
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ClientSampleId :
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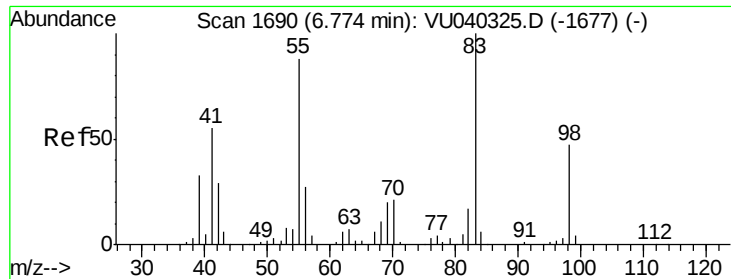
Tot Ion: 83 Resp: 4036
Ion Ratio Lower Upper
83 100
85 66.5 45.3 84.1



#33
Benzene
Concen: 1.784 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040341.D
Acq: 28 Sep 2020 19:06

Tgt Ion: 78 Resp: 82278

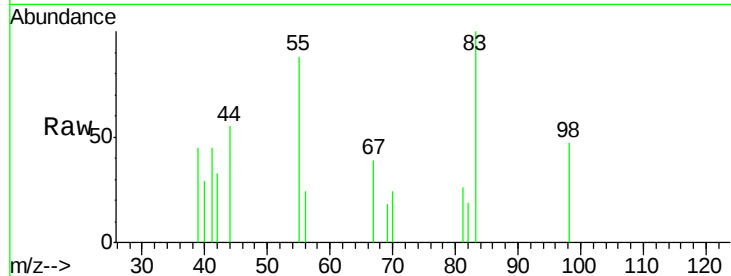




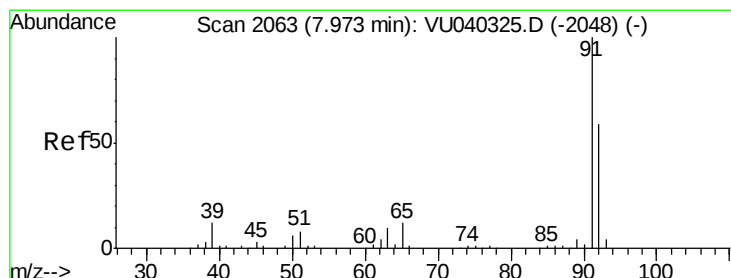
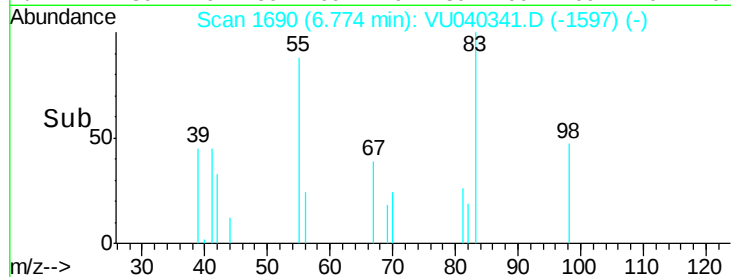
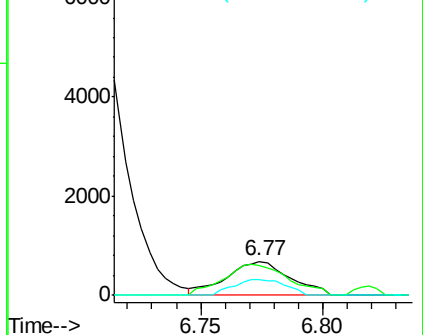
#35
Methvlcvclohexane
Concen: 0.064 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040341.D
Acq: 28 Sep 2020 19:06

Instrument :
MSVOA_U
ClientSampleId :
BG491DL

Tot Ion: 83 Resp: 1221
Ion Ratio Lower Upper
83 100
55 94.8 70.5 105.7
98 38.3 37.8 56.6

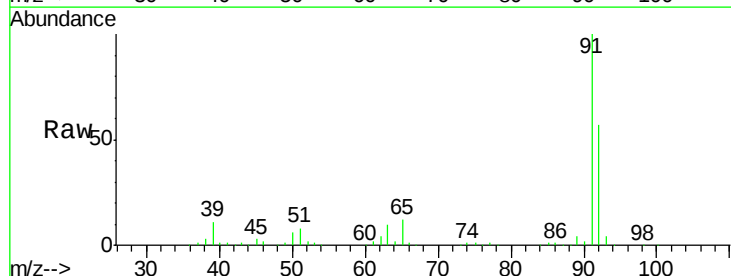


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

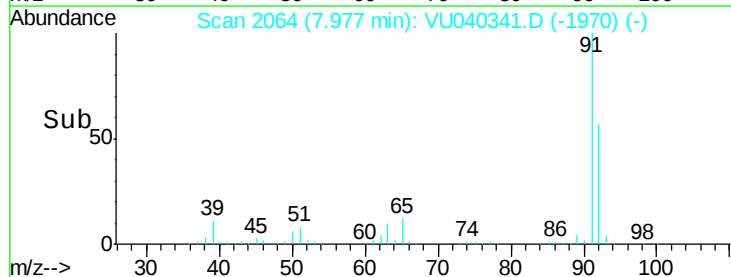
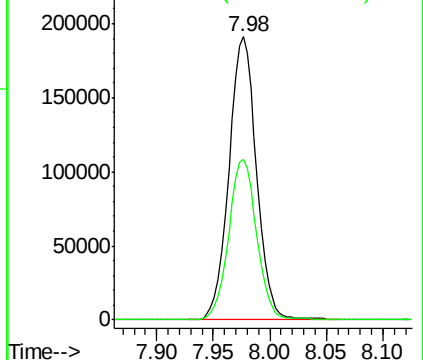


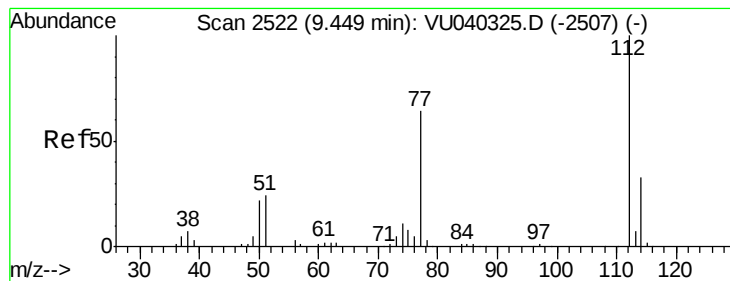
#42
Toluene
Concen: 6.805 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040341.D
Acq: 28 Sep 2020 19:06

Tgt Ion: 91 Resp: 323176
Ion Ratio Lower Upper
91 100
92 56.7 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#51

Chlorobenzene

Concen: 2.715 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

BG491DL

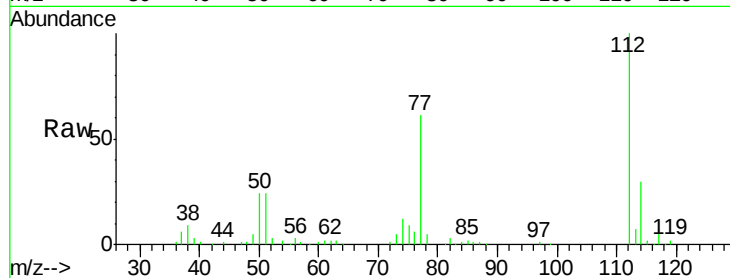
Tot Ion:112 Resp: 80063

Ion Ratio Lower Upper

112 100

114 30.5 22.7 42.3

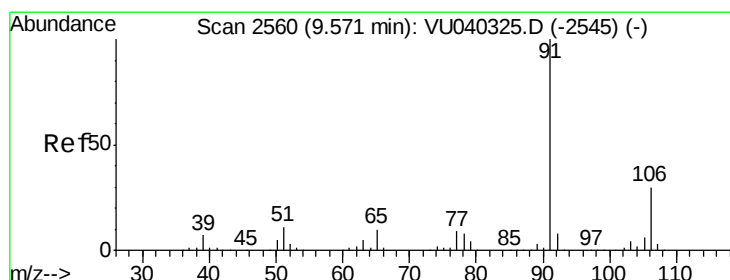
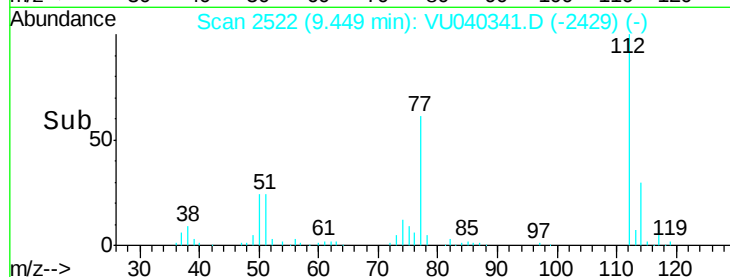
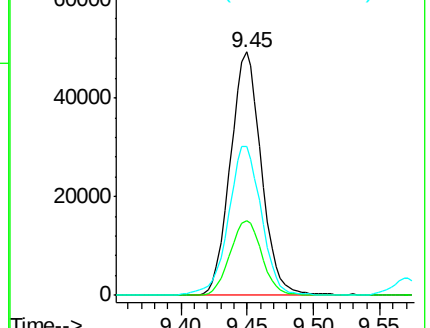
77 61.1 53.2 79.8



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): V



#52

Ethylbenzene

Concen: 0.962 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040341.D

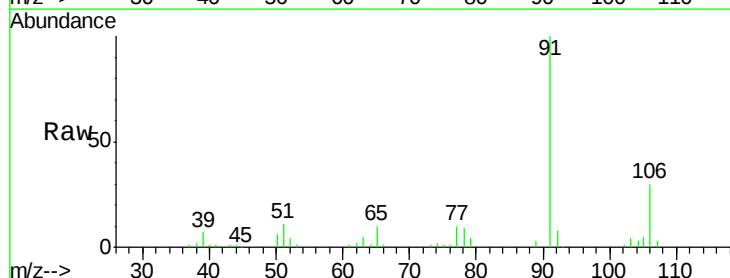
Acq: 28 Sep 2020 19:06

Tgt Ion: 91 Resp: 51918

Ion Ratio Lower Upper

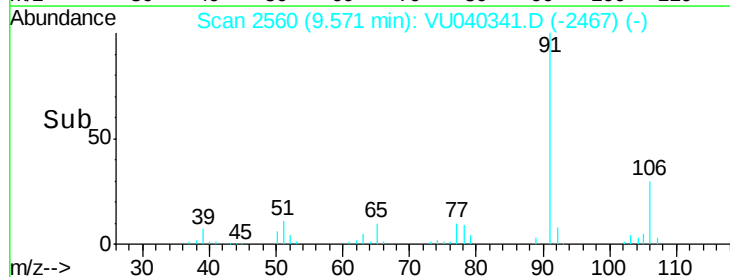
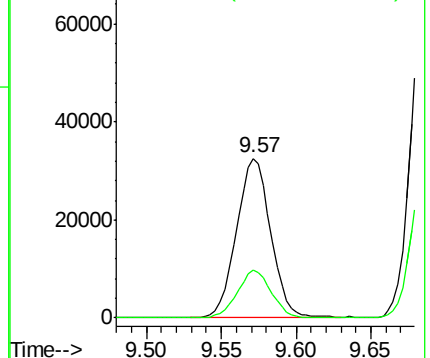
91 100

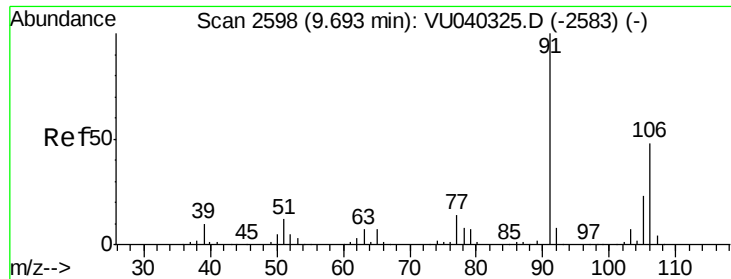
106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 4.214 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

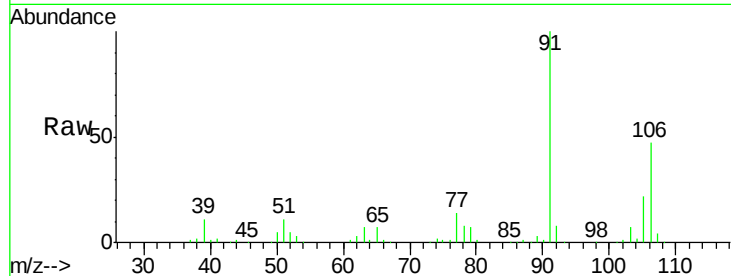
BG491DL

Tot Ion:106 Resp: 80958

Ion Ratio Lower Upper

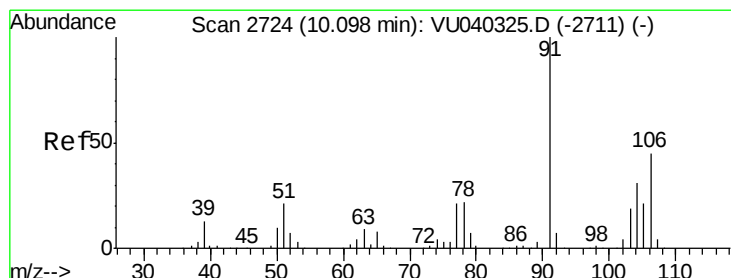
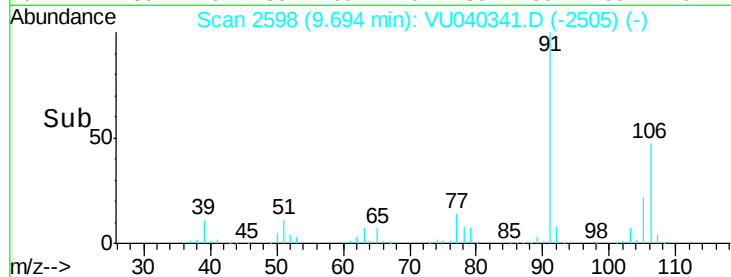
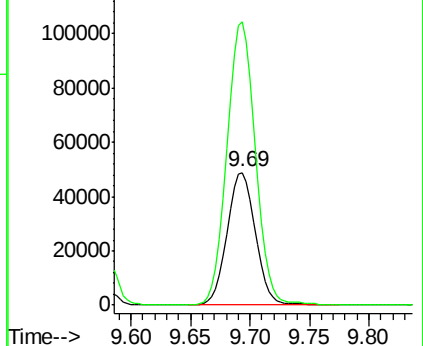
106 100

91 213.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.885 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU040341.D

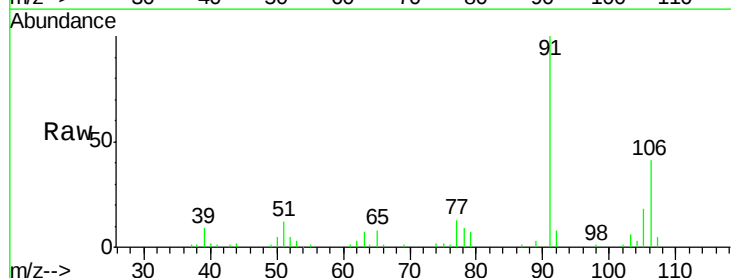
Acq: 28 Sep 2020 19:06

Tgt Ion:106 Resp: 16194

Ion Ratio Lower Upper

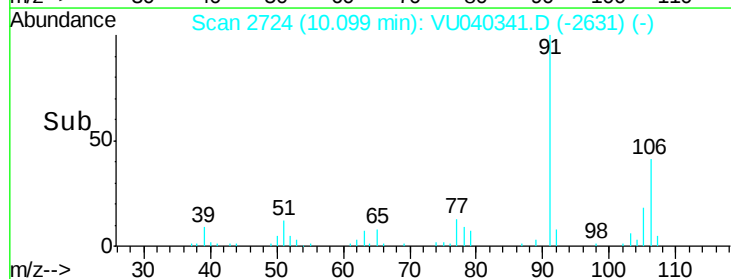
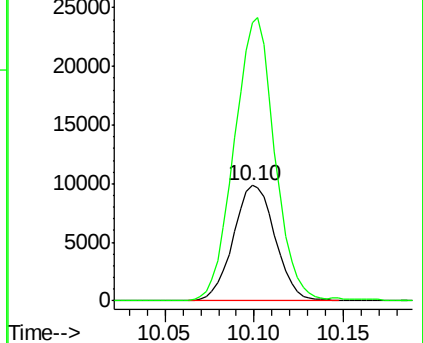
106 100

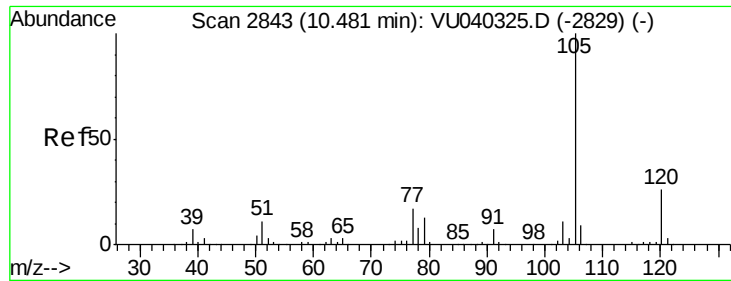
91 241.3 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.181 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

Instrument :

MSVOA_U

ClientSampleID :

BG491DL

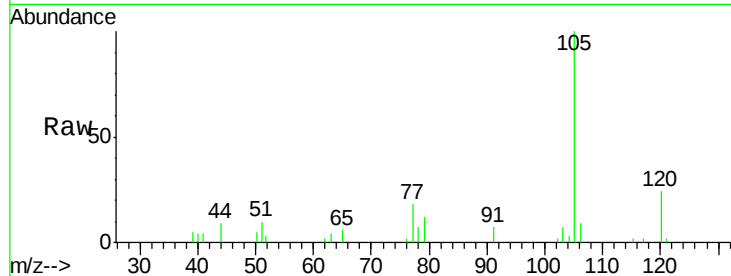
Tot Ion:105 Resp: 9028

Ion Ratio Lower Upper

105 100

120 24.0 20.1 30.1

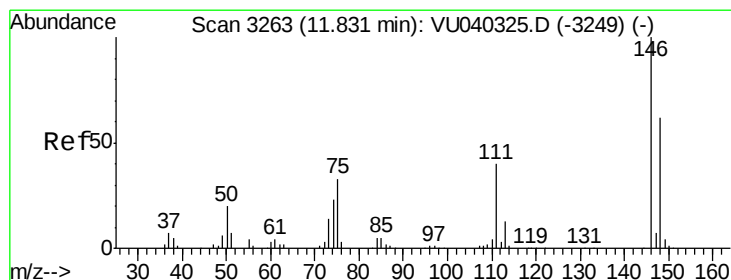
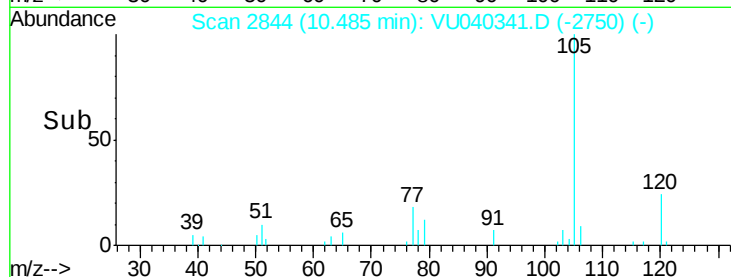
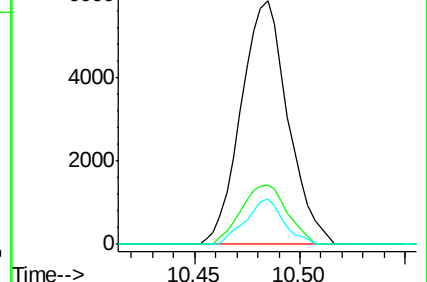
77 15.0 14.4 21.6



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): V



#63

1,4-Dichlorobenzene

Concen: 0.121 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040341.D

Acq: 28 Sep 2020 19:06

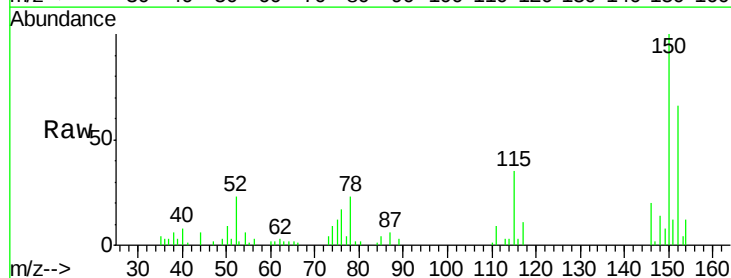
Tgt Ion:146 Resp: 2835

Ion Ratio Lower Upper

146 100

111 44.5 30.5 56.7

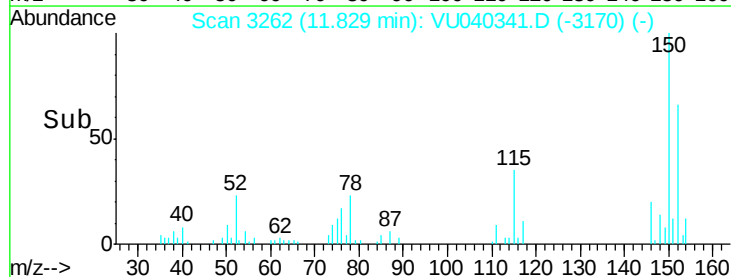
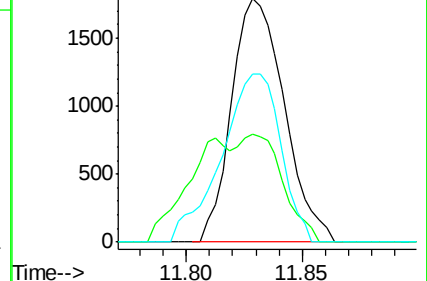
148 69.0 45.4 84.4

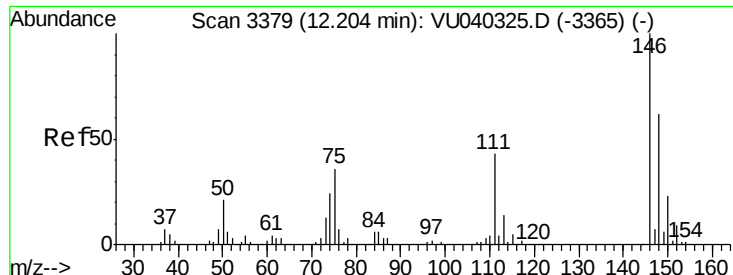


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

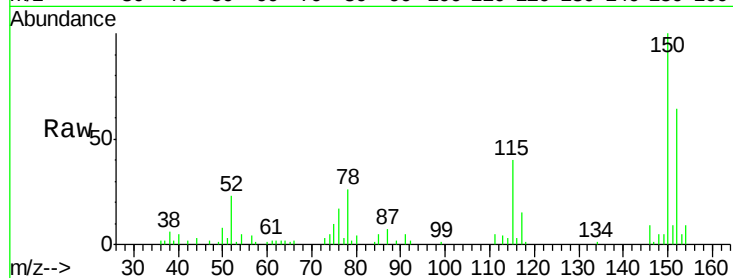




#65
 1,2-Dichlorobenzene
 Concen: 0.088 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040341.D
 Acq: 28 Sep 2020 19:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BG491DL

Tot Ion:146 Resp: 1977
 Ion Ratio Lower Upper
 146 100
 111 50.3 36.5 54.7
 148 58.4 48.6 72.8



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

