

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040164.D
 Acq On : 16 Sep 2020 22:17
 Operator : SY/MD
 Sample : L4046-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P0

Quant Time: Sep 17 03:02:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	121165	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117798	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57687	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28809	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.92	69	27020	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	48503	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.66	46	88348	33.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.78%
24) Chloroform-d	5.08	84	64646	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.72	65	38800	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.74	84	117652	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	37764	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.20%
41) Toluene-d8	7.91	98	103198	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.19	79	15976	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.64	63	86057	43.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	34393	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	41894	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	10824	1.543	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	14280	0.505	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	1980	0.196	ug/L	83
19) 1,1-Dichloroethane	3.90	63	2652	0.128	ug/L	93
30) Cyclohexane	5.40	56	43574	2.429	ug/L	97
33) Benzene	5.79	78	73534	1.745	ug/L	100
35) Methylcyclohexane	6.77	83	22930	1.325	ug/L #	85
42) Toluene	7.98	91	11555	0.266	ug/L	96
51) Chlorobenzene	9.45	112	1864570	69.200	ug/L	97
52) Ethylbenzene	9.57	91	2342	0.047	ug/L	91
53) m,p-Xylene	9.70	106	1768	0.101	ug/L	95
54) o-Xylene	10.10	106	6601	0.395	ug/L	94
56) Isopropylbenzene	10.48	105	2063617	45.229	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	10287	0.488	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	100998	4.734	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	72853	3.571	ug/L	98

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QLast Update : Thu Sep 17 02:07:00 2020
Response via : Initial Calibration

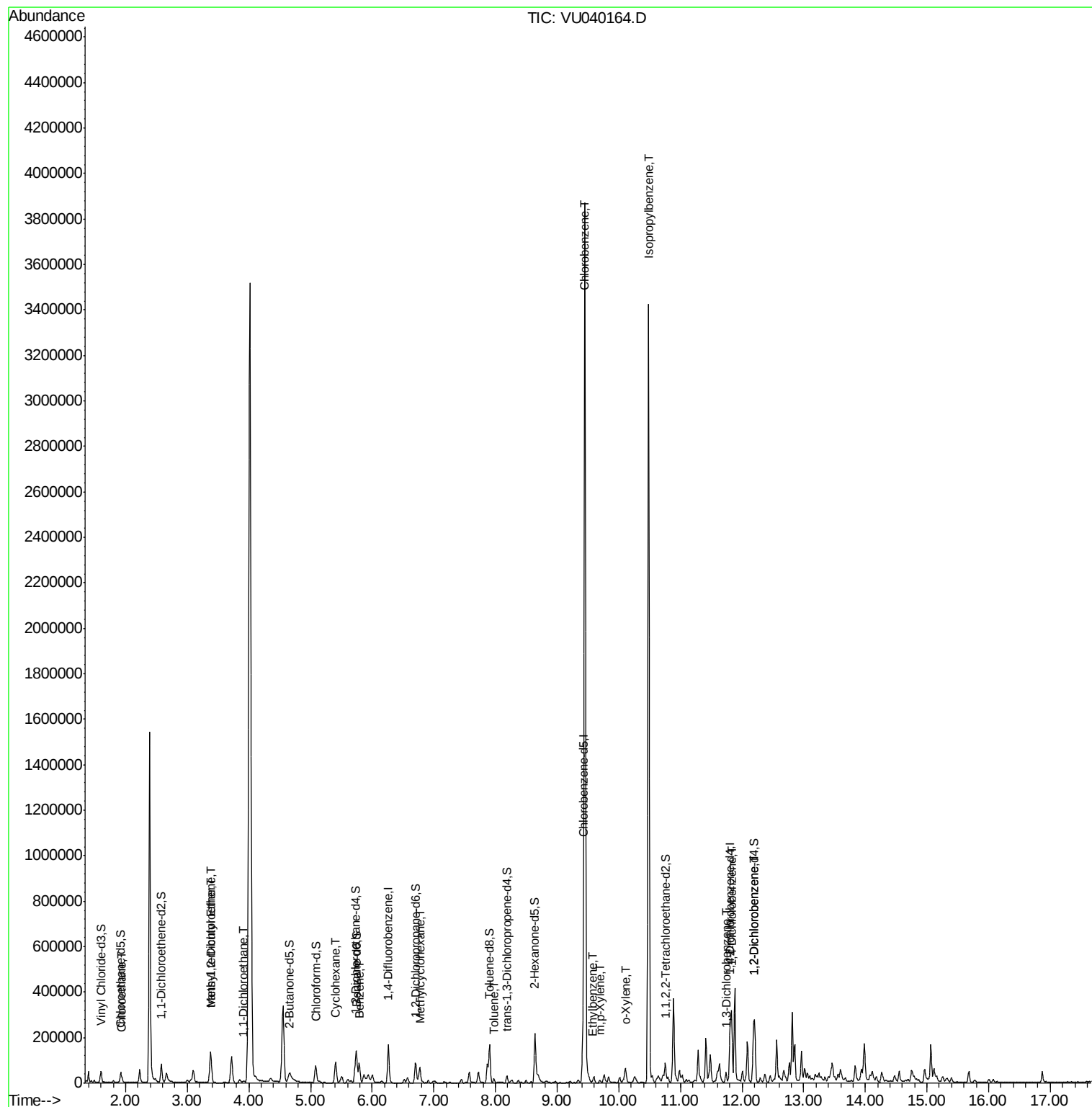
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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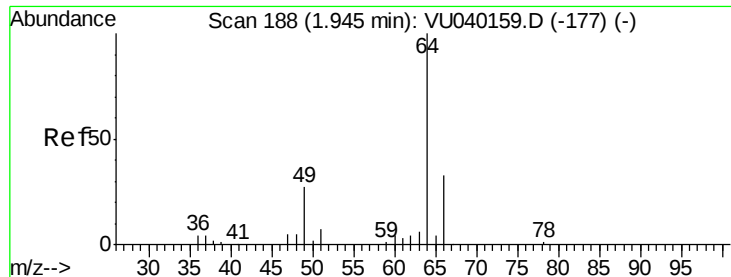
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.543 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

Instrument :

MSVOA_U

ClientSampleId :

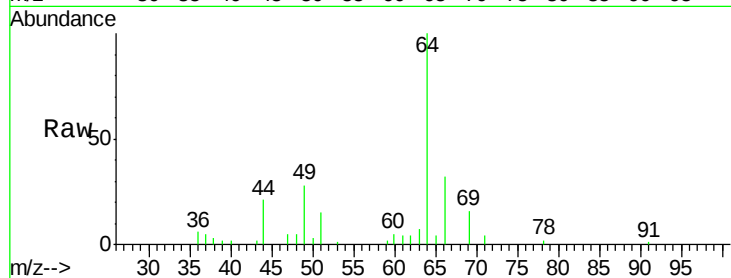
BG0P0

Tot Ion: 64 Resp: 10824

Ion Ratio Lower Upper

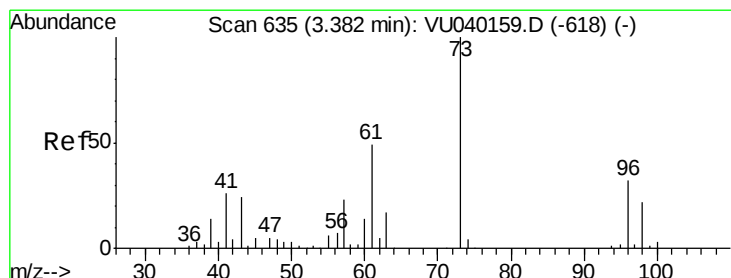
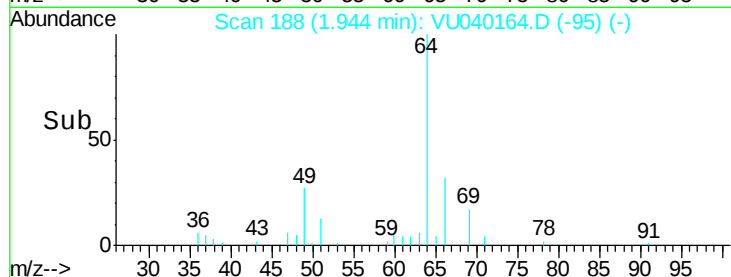
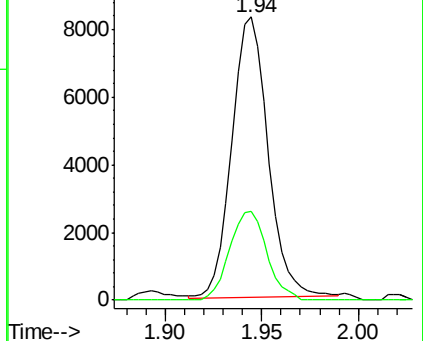
64 100

66 31.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#17

Methyl tert-butyl Ether

Concen: 0.505 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

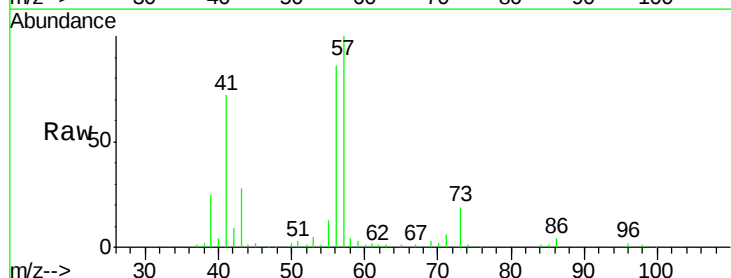
Tgt Ion: 73 Resp: 14280

Ion Ratio Lower Upper

73 100

43 148.0 19.1 28.7#

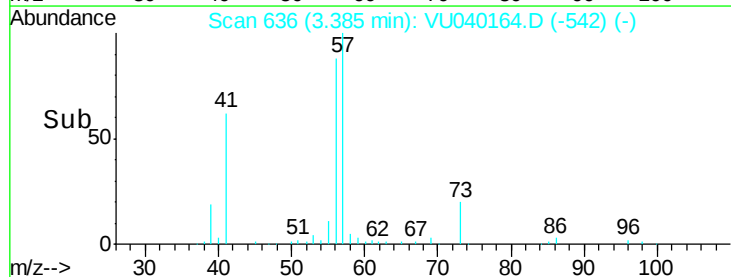
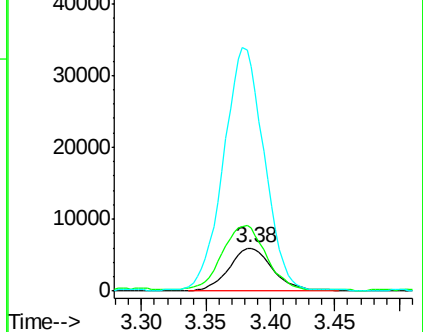
57 514.5 18.3 27.5#

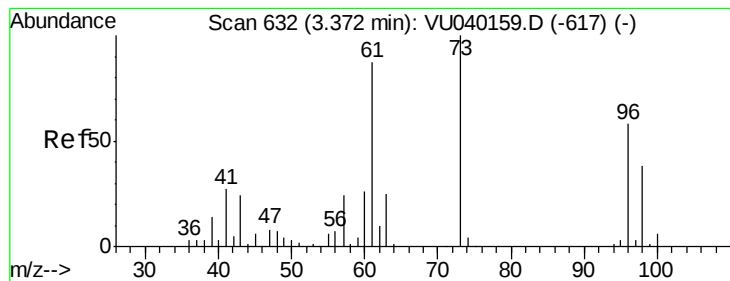


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.196 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

Instrument :

MSVOA_U

ClientSampleId :

BG0P0

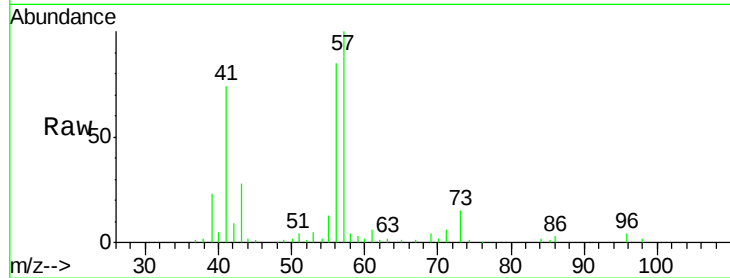
Tot Ion: 96 Resp: 1980

Ion Ratio Lower Upper

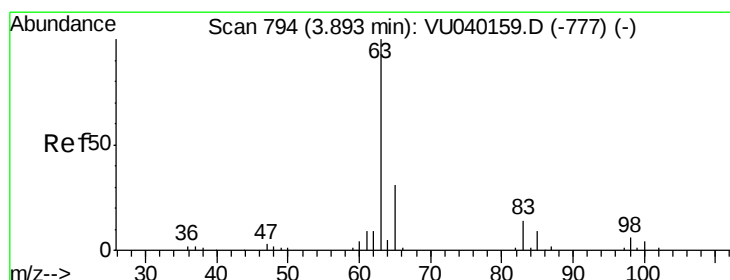
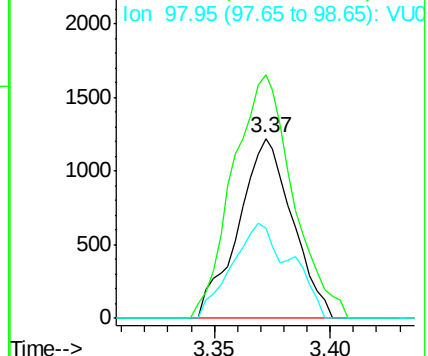
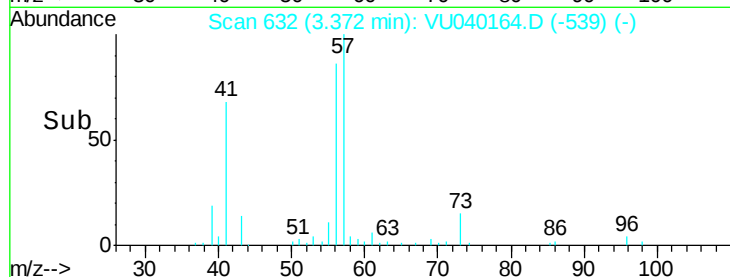
96 100

61 135.2 110.5 205.3

98 50.1 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VU040164.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 0.128 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

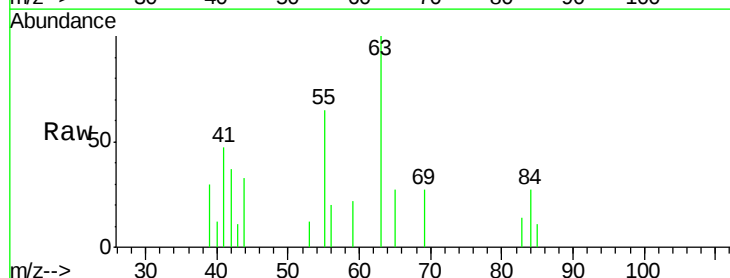
Tgt Ion: 63 Resp: 2652

Ion Ratio Lower Upper

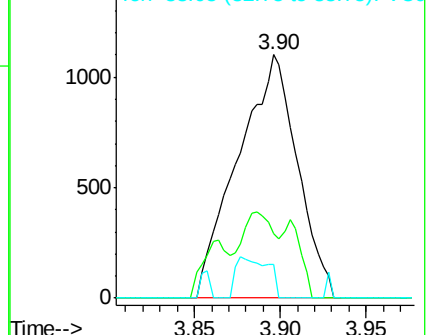
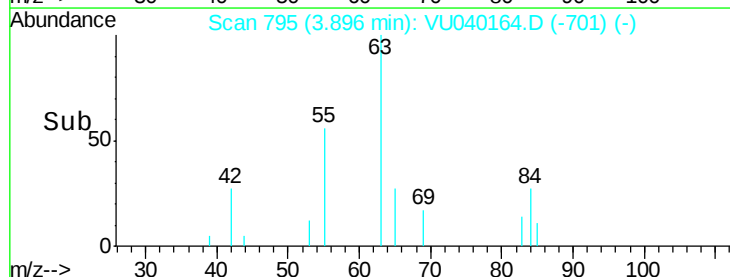
63 100

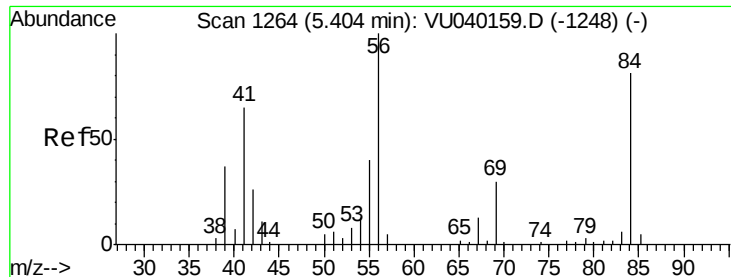
65 26.6 22.2 41.2

83 13.7 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040164.D (-701) (-)

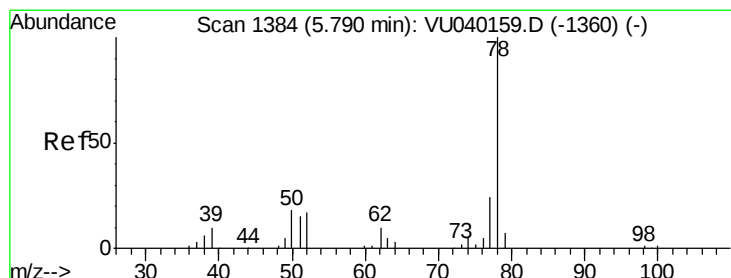
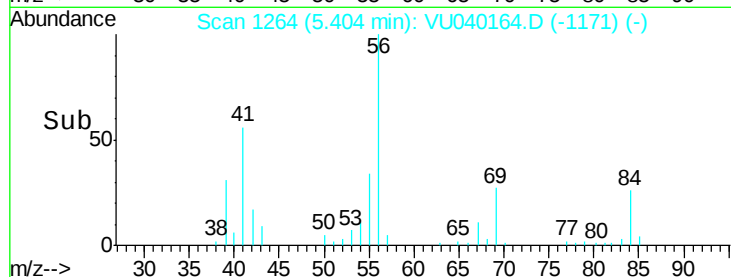
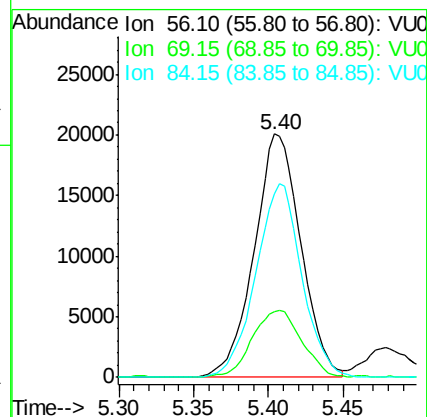
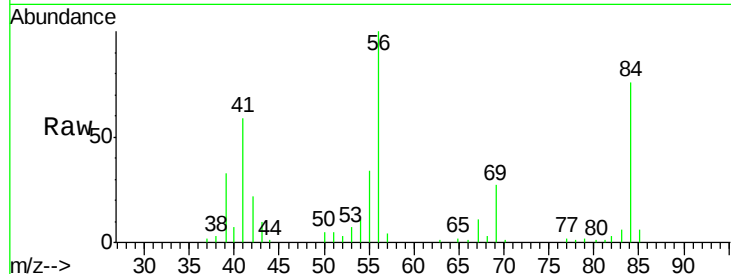




#30
Cyclohexane
Concen: 2.429 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

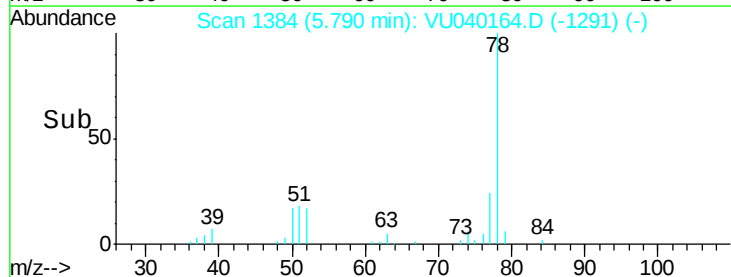
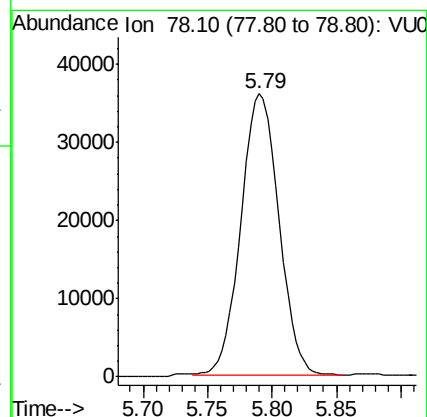
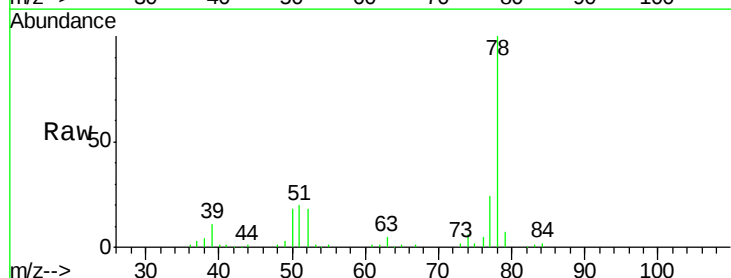
Instrument :
MSVOA_U
ClientSampleId :
BG0P0

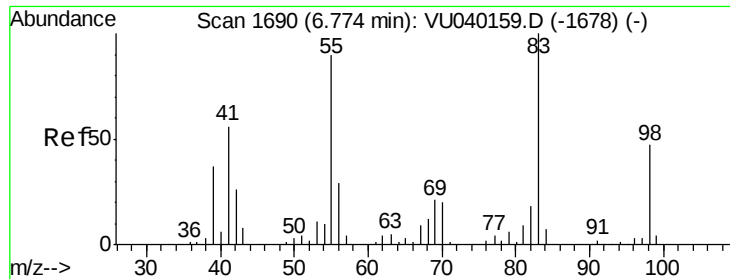
Tot Ion: 56 Resp: 43574
Ion Ratio Lower Upper
56 100
69 29.1 24.1 36.1
84 78.3 65.0 97.4



#33
Benzene
Concen: 1.745 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

Tgt Ion: 78 Resp: 73534

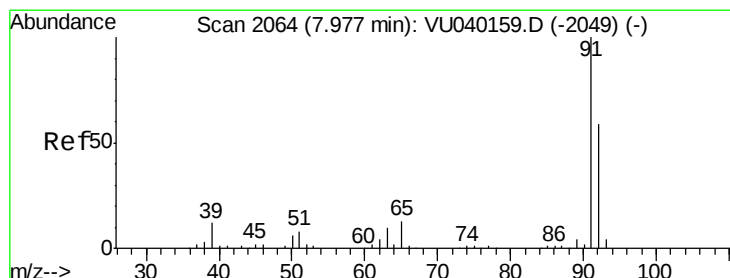
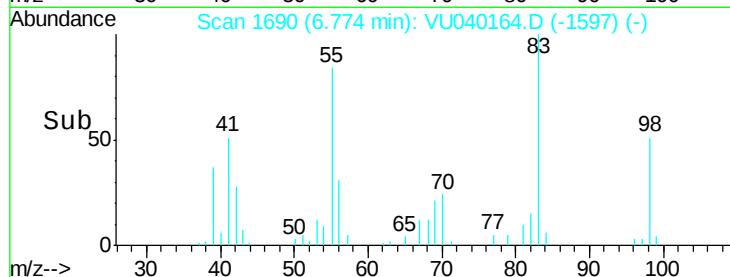
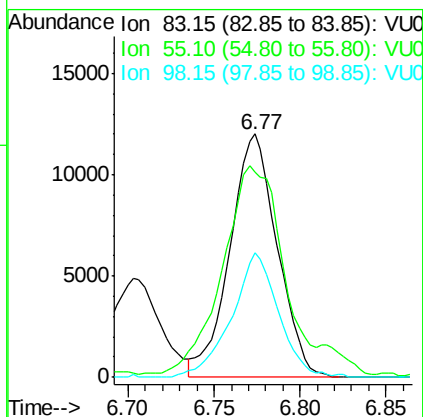
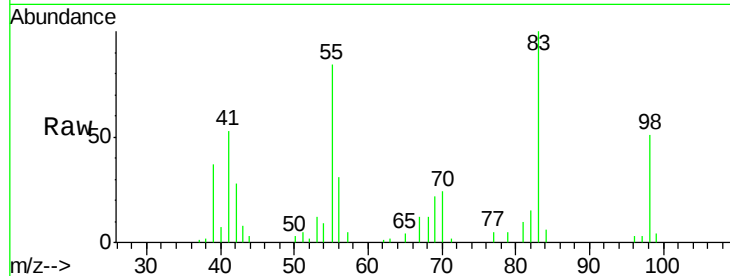




#35
Methvlcvclohexane
Concen: 1.325 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

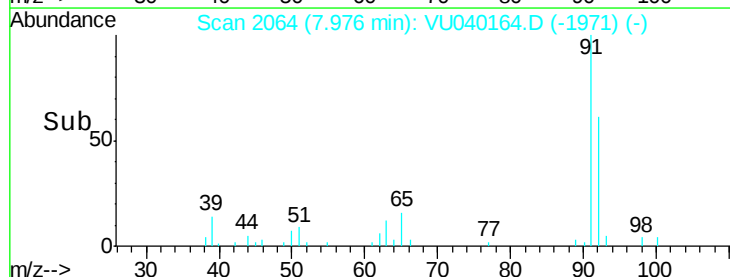
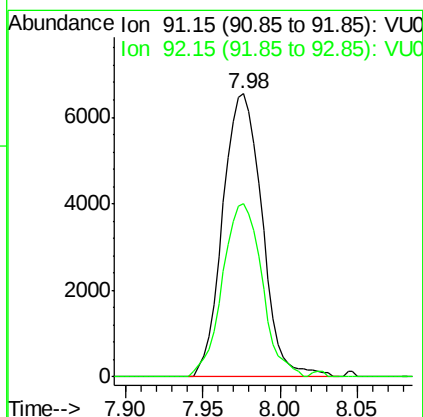
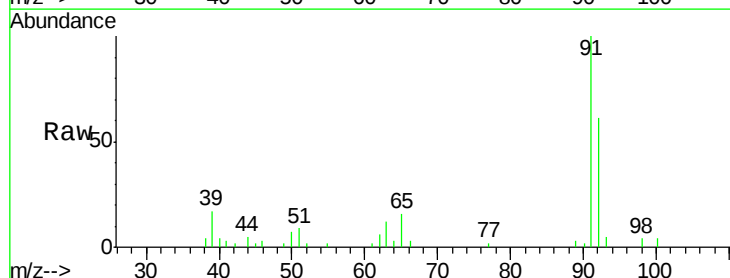
Instrument :
MSVOA_U
ClientSampleId :
BG0P0

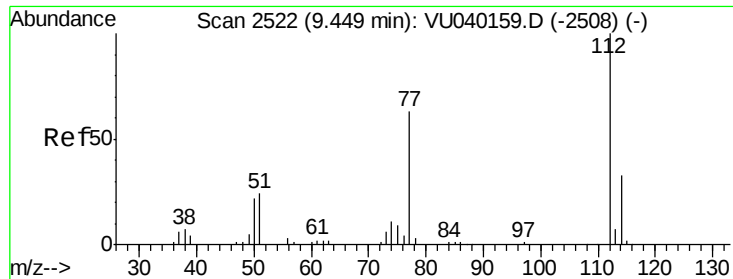
Tot Ion: 83 Resp: 22930
Ion Ratio Lower Upper
83 100
55 106.7 70.5 105.7#
98 50.9 37.8 56.6



#42
Toluene
Concen: 0.266 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

Tgt Ion: 91 Resp: 11555
Ion Ratio Lower Upper
91 100
92 61.2 40.7 75.5

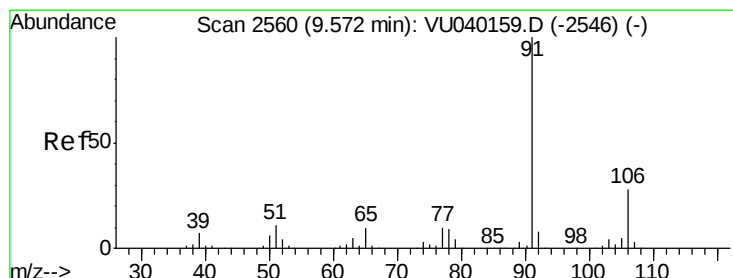
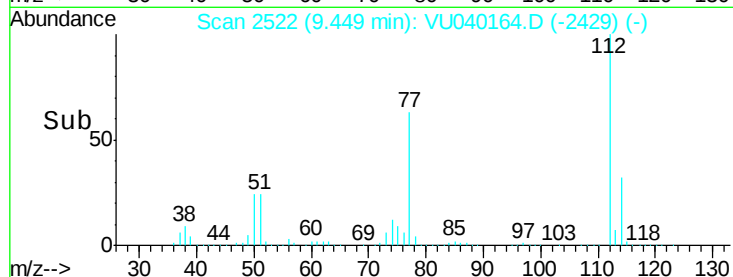
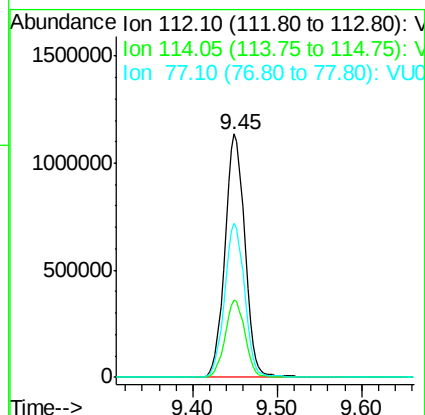
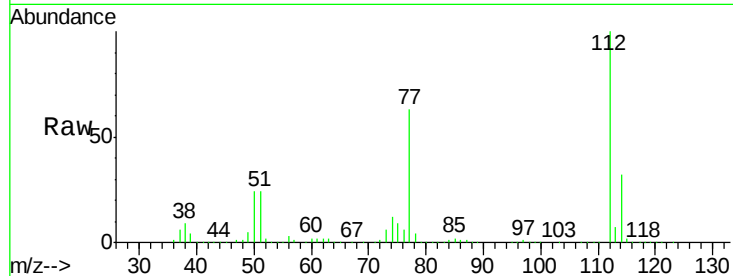




#51
Chlorobenzene
Concen: 69.200 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

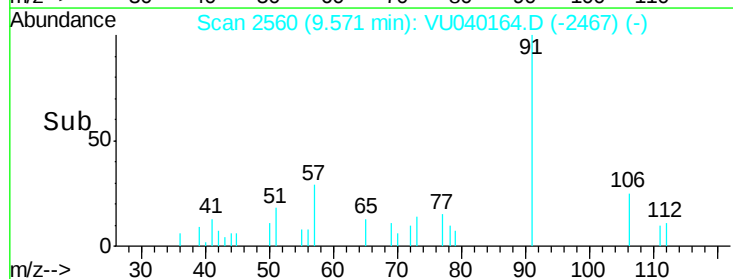
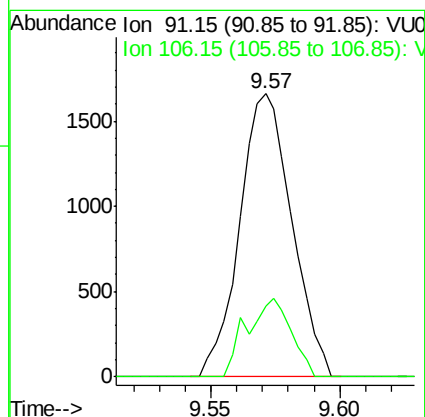
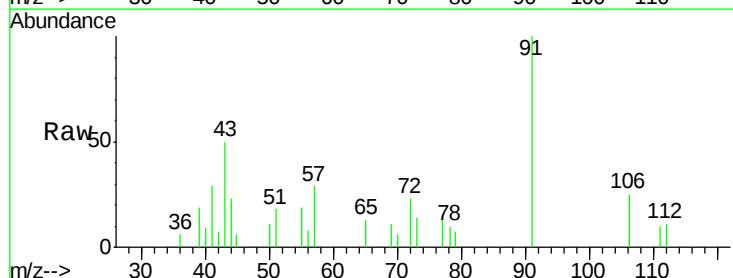
Instrument :
MSVOA_U
ClientSampleId :
BG0P0

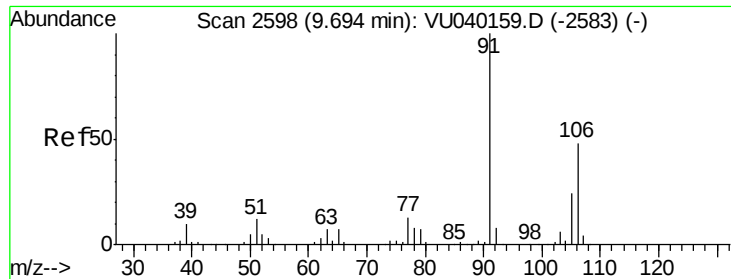
Tot Ion:112 Resp: 1864570
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 63.4 53.2 79.8



#52
Ethylbenzene
Concen: 0.047 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

Tgt Ion: 91 Resp: 2342
Ion Ratio Lower Upper
91 100
106 24.9 21.0 39.0

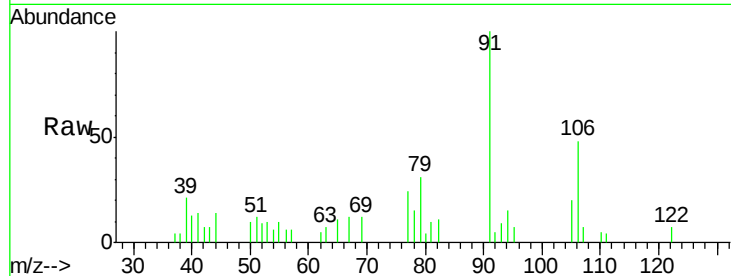




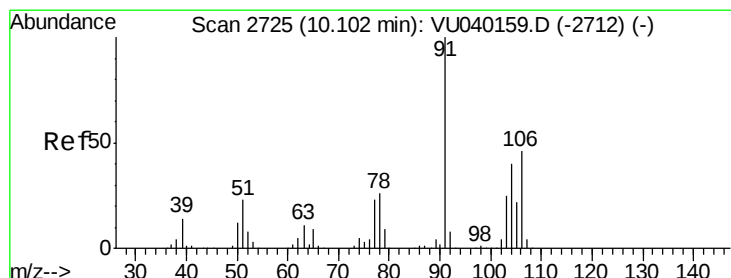
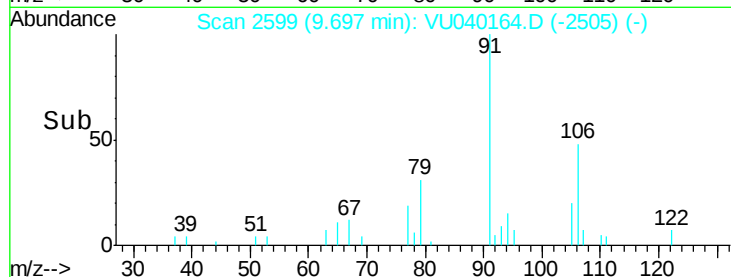
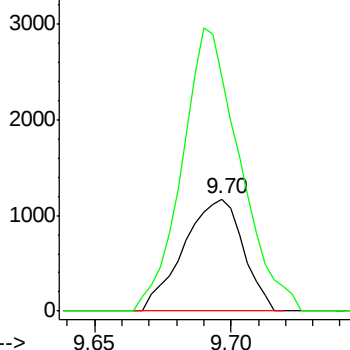
#53
m,p-Xylene
Concen: 0.101 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

Instrument :
MSVOA_U
ClientSampleId :
BG0P0

Tot Ion:106 Resp: 1768
Ion Ratio Lower Upper
106 100
91 209.2 151.7 281.7

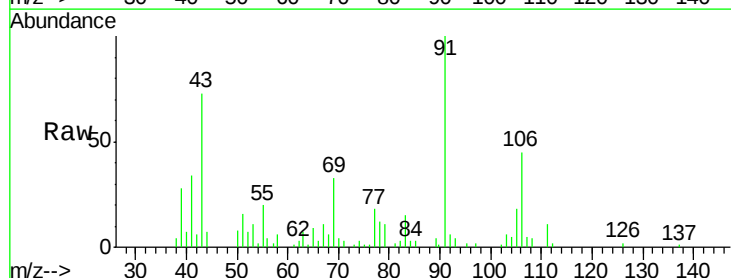


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

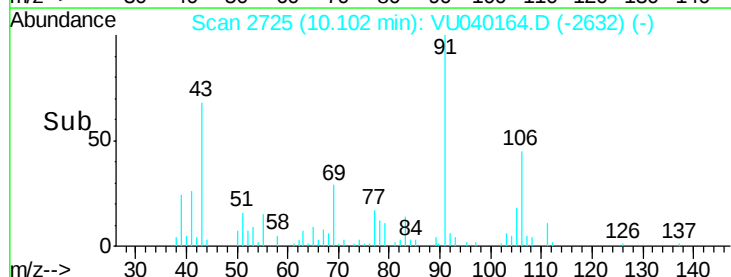
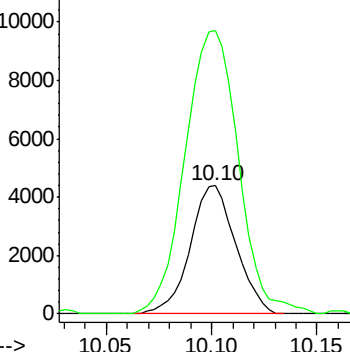


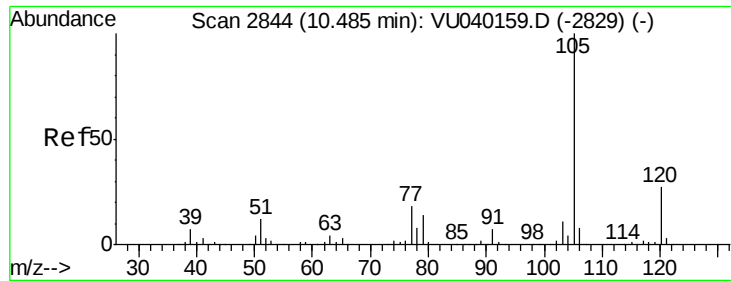
#54
o-Xylene
Concen: 0.395 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040164.D
Acq: 16 Sep 2020 22:17

Tgt Ion:106 Resp: 6601
Ion Ratio Lower Upper
106 100
91 220.5 160.8 298.6



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





#56

Isopropylbenzene

Concen: 45.229 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

Instrument :

MSVOA_U

ClientSampleId :

BG0P0

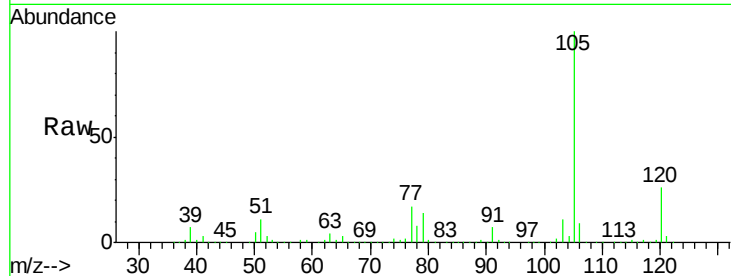
Tot Ion:105 Resp: 2063617

Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

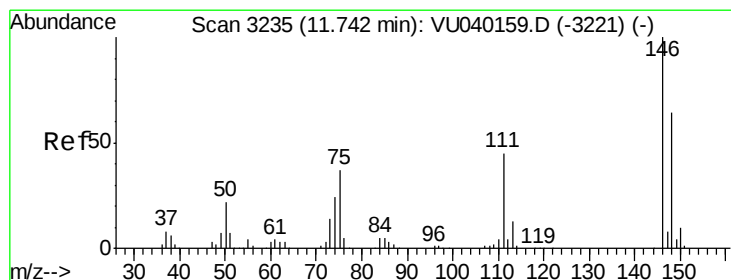
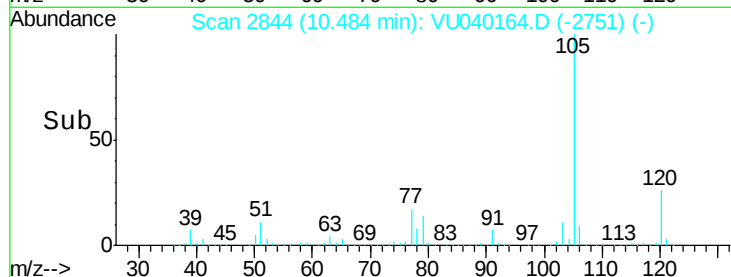
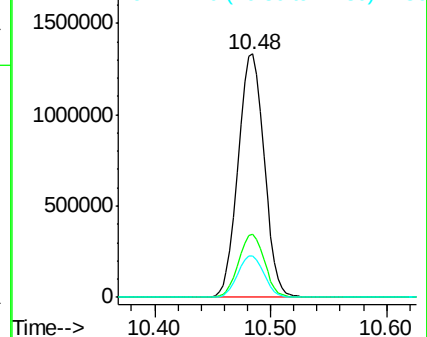
77 17.3 14.4 21.6



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): V



#62

1,3-Dichlorobenzene

Concen: 0.488 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

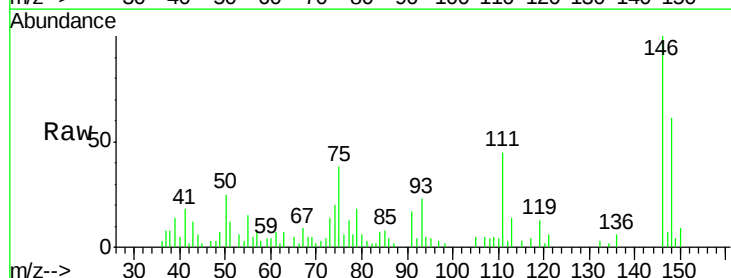
Tgt Ion:146 Resp: 10287

Ion Ratio Lower Upper

146 100

111 44.8 31.6 58.8

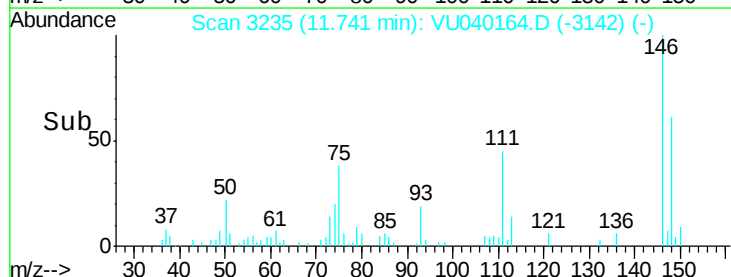
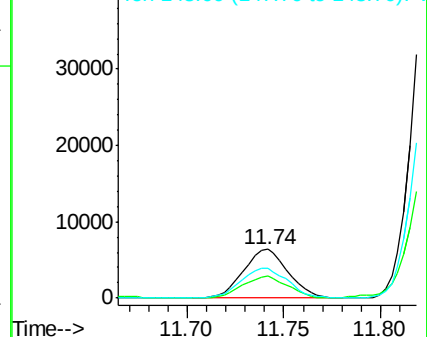
148 61.3 44.2 82.0

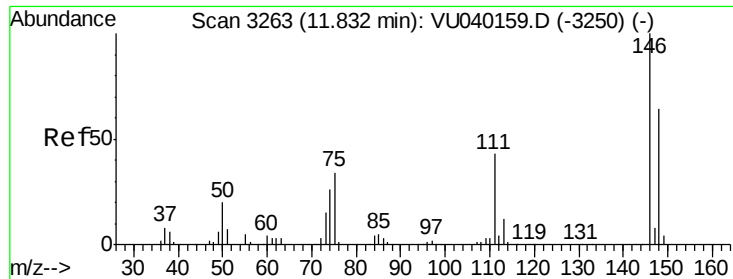


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 4.734 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

Instrument :

MSVOA_U

ClientSampled :

BG0P0

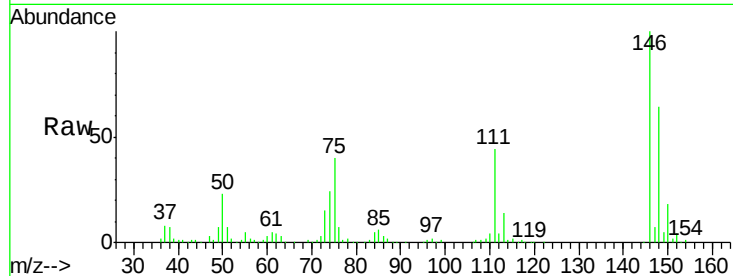
Tot Ion:146 Resp: 100998

Ion Ratio Lower Upper

146 100

111 43.5 30.5 56.7

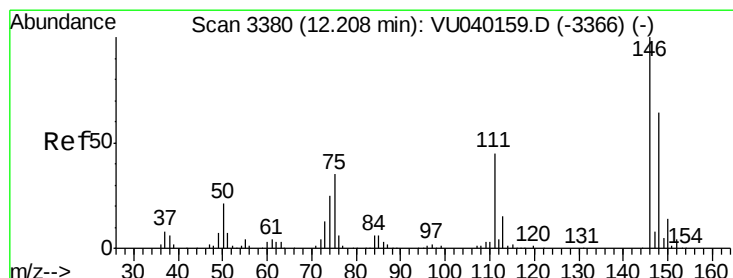
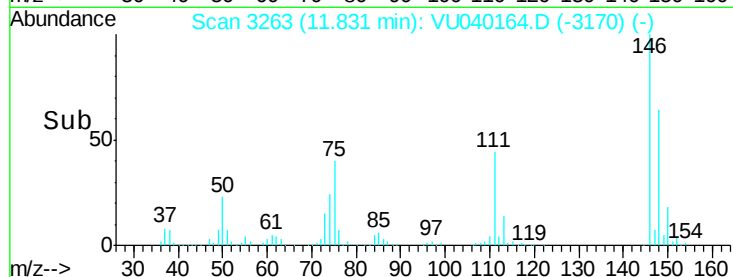
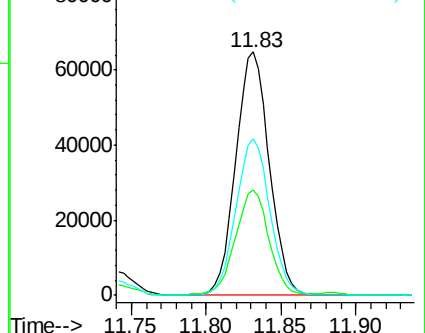
148 64.3 45.4 84.4



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: 3.571 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU040164.D

Acq: 16 Sep 2020 22:17

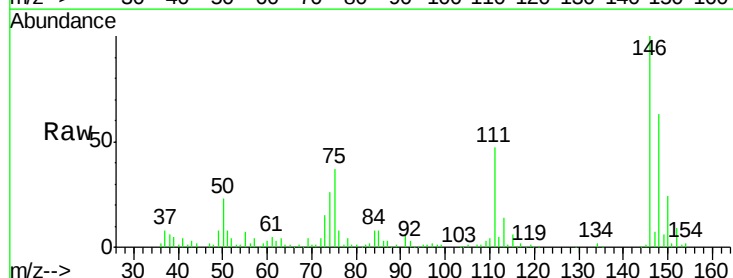
Tgt Ion:146 Resp: 72853

Ion Ratio Lower Upper

146 100

111 46.5 36.5 54.7

148 63.1 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

