

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052120\
 Data File : VU038268.D
 Acq On : 21 May 2020 16:39
 Operator : JC/MD
 Sample : L2724-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4W0

Quant Time: May 22 02:14:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	424350	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	416029	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	203176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	120831	3.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	1.93	69	142656	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.59	63	183215	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.67	46	547742	57.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.40%
24) Chloroform-d	5.10	84	279244	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.74	65	163419	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.76	84	587485	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.72	67	189324	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.92	98	524978	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.20	79	70319	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.65	63	486717	63.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.90%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	170323	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	208455	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	111571	3.958	ug/L #	81
13) Acetone	2.68	43	13739	2.287	ug/L	72
14) Carbon disulfide	2.82	76	14107	0.134	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	5587	0.174	ug/L	88
19) 1,1-Dichloroethane	3.91	63	17867	0.285	ug/L	96
30) Cyclohexane	5.43	56	77853	1.383	ug/L	99
33) Benzene	5.81	78	13423718	100.759	ug/L	100
35) Methylcyclohexane	6.79	83	66526	1.233	ug/L	98
42) Toluene	7.99	91	54751	0.389	ug/L	98
51) Chlorobenzene	9.47	112	1767614	20.253	ug/L	96
52) Ethylbenzene	9.59	91	46731	0.307	ug/L	99
53) m,p-Xylene	9.71	106	372541	6.377	ug/L	96
54) o-Xylene	10.12	106	56487	1.000	ug/L	96
56) Isopropylbenzene	10.50	105	1817022	12.525	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	22804	0.345	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	201201	3.004	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	311445	4.897	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 01:03:14 2020
Response via : Initial Calibration

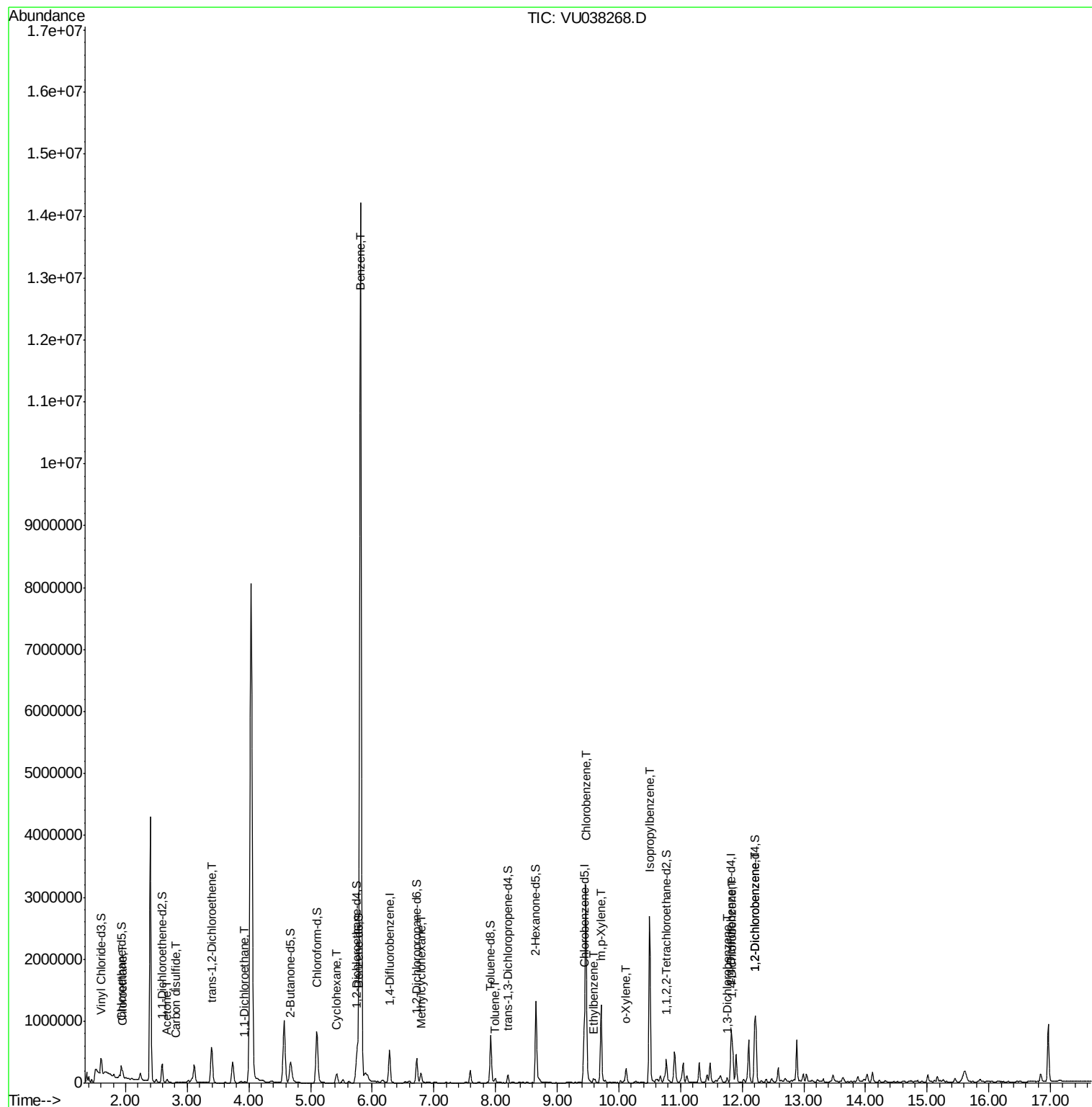
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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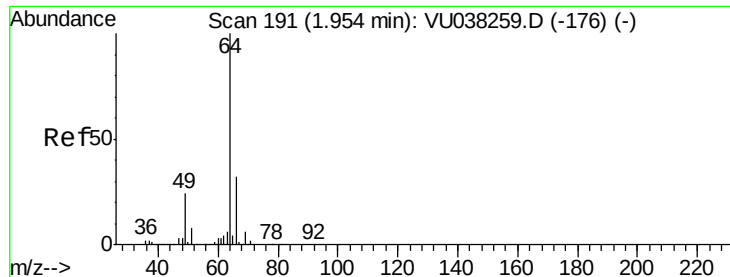
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052120\
Data File : VU038268.D
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QLast Update : Fri May 22 01:03:14 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 3.958 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

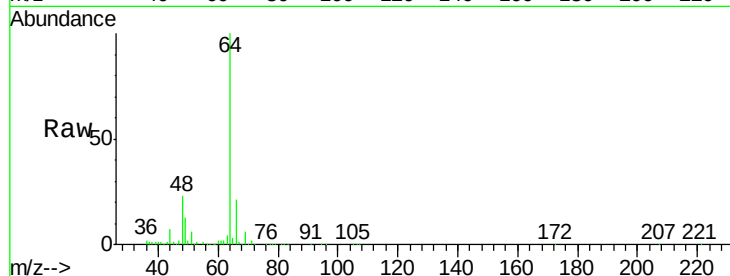
BE4W0

Tot Ion: 64 Resp: 111571

Ion Ratio Lower Upper

64 100

66 20.6 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VU038259.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038259.D (-176) (-)

1.95

100000

80000

60000

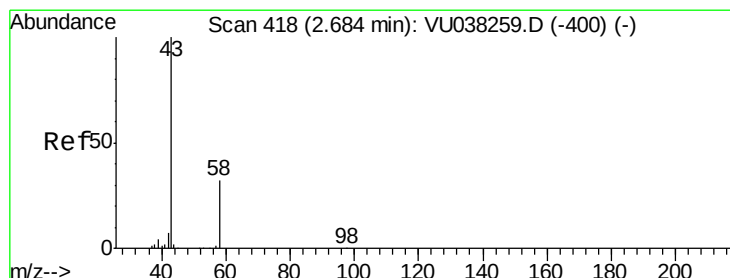
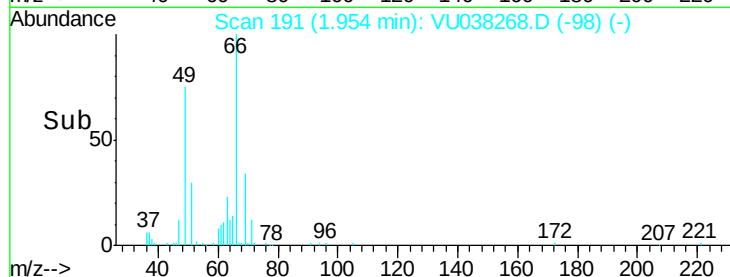
40000

20000

0

1.90 1.95 2.00 2.05

Time-->



#13

Acetone

Concen: 2.287 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038268.D

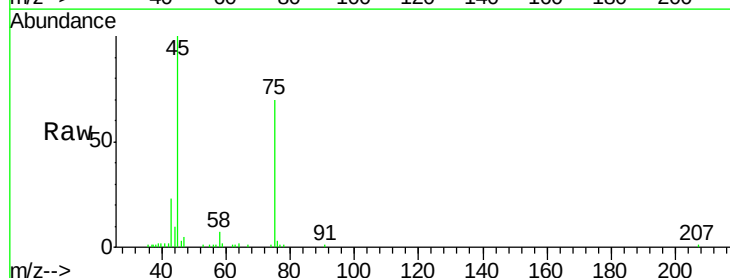
Acq: 21 May 2020 16:39

Tgt Ion: 43 Resp: 13739

Ion Ratio Lower Upper

43 100

58 16.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038259.D (-400) (-)

2.68

6000

5000

4000

3000

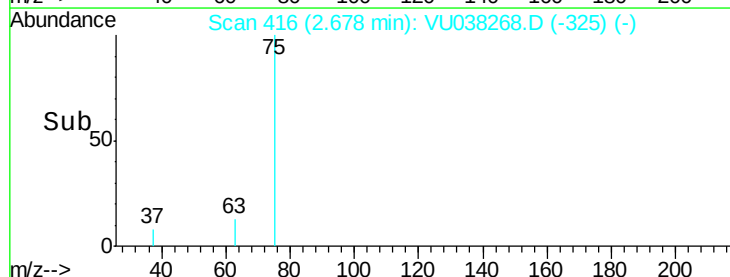
2000

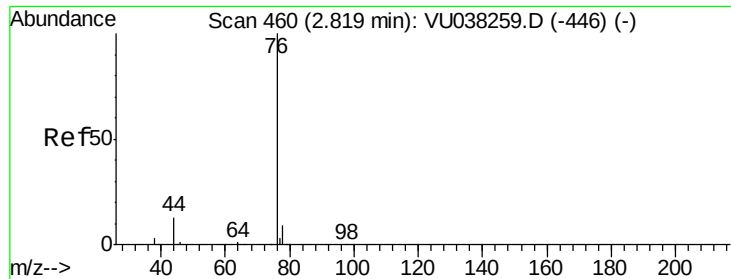
1000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#14

Carbon disulfide

Concen: 0.134 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

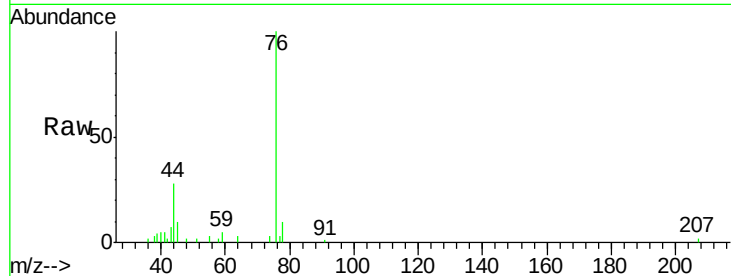
BE4W0

Tot Ion: 76 Resp: 14107

Ion Ratio Lower Upper

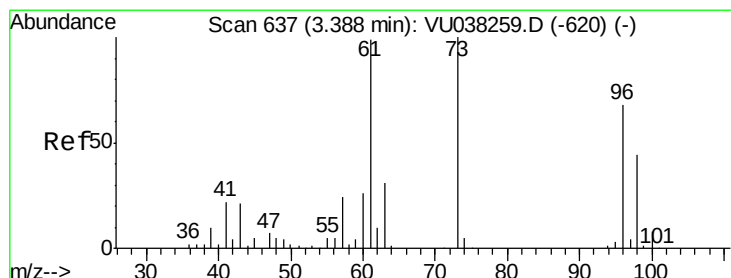
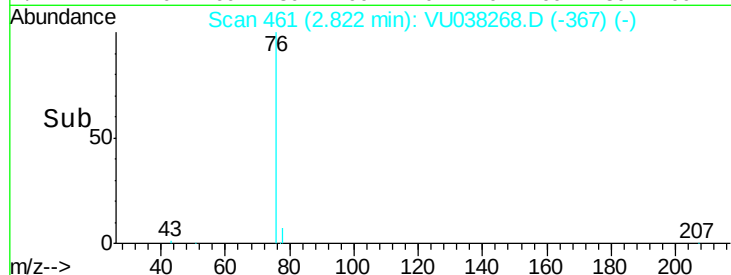
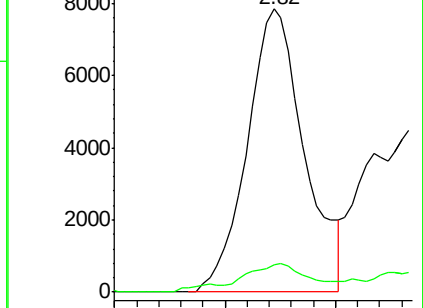
76 100

78 9.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038259.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038259.D (-446) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.174 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

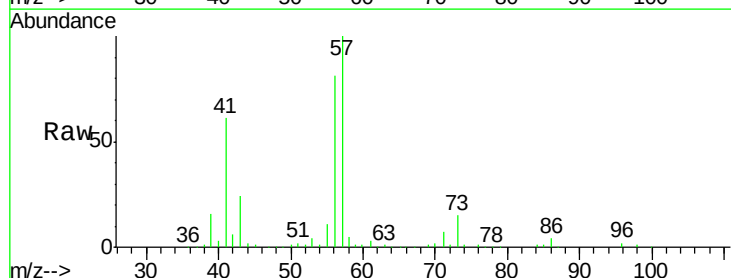
Tgt Ion: 96 Resp: 5587

Ion Ratio Lower Upper

96 100

61 128.3 102.1 189.5

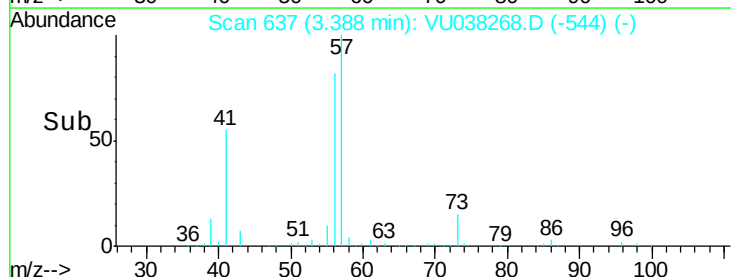
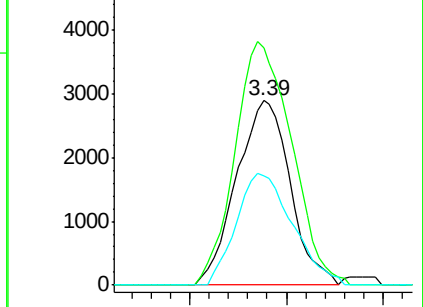
98 59.5 45.6 84.8

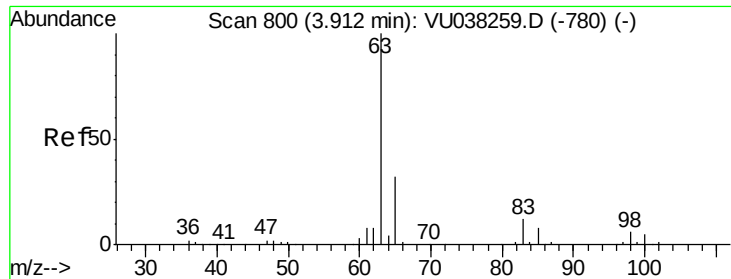


Abundance Ion 96.00 (95.70 to 96.70): VU038259.D (-620) (-)

Ion 61.05 (60.75 to 61.75): VU038259.D (-620) (-)

Ion 97.95 (97.65 to 98.65): VU038259.D (-620) (-)

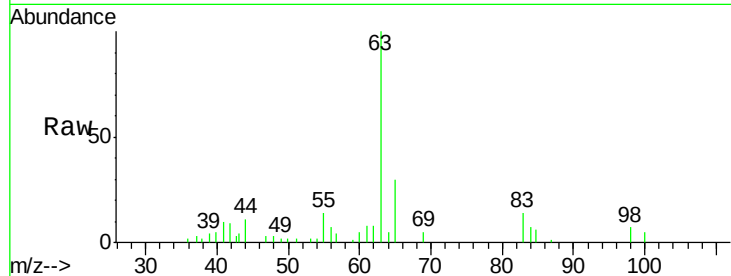




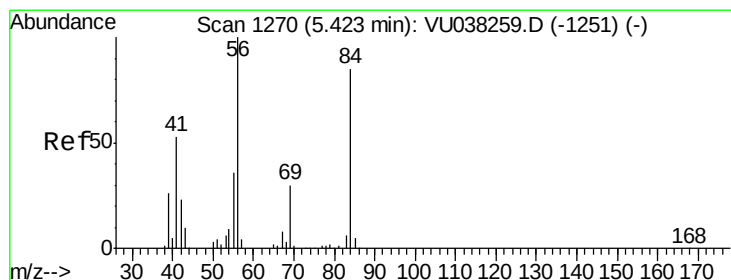
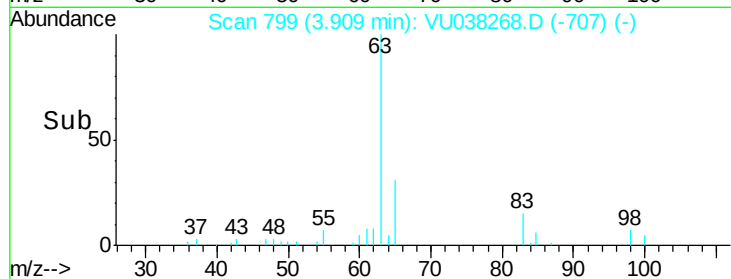
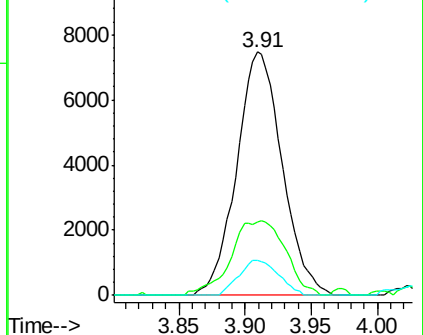
#19
 1,1-Dichloroethane
 Concen: 0.285 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038268.D
 Acq: 21 May 2020 16:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4W0

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.5	41.7
83	14.3	8.9	16.5

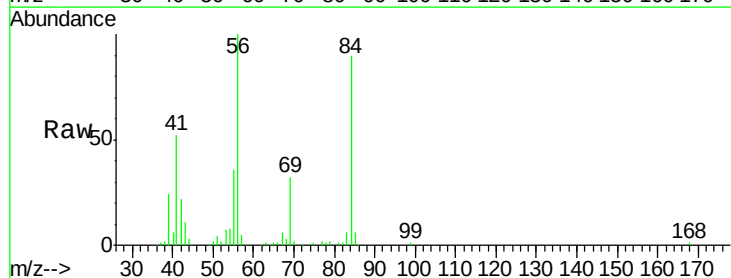


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

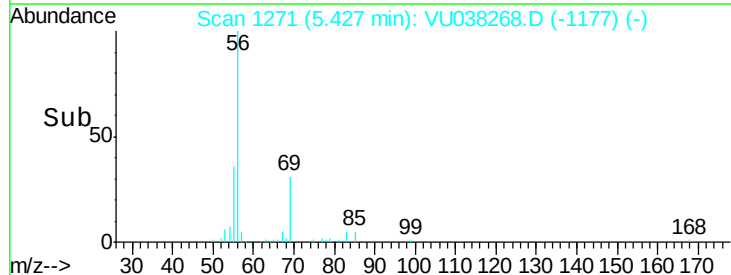
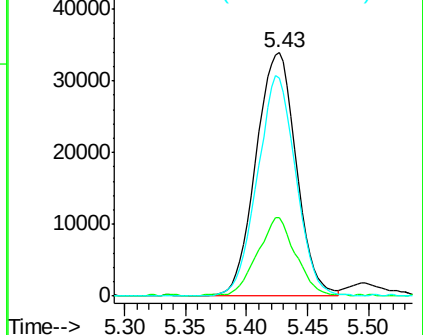


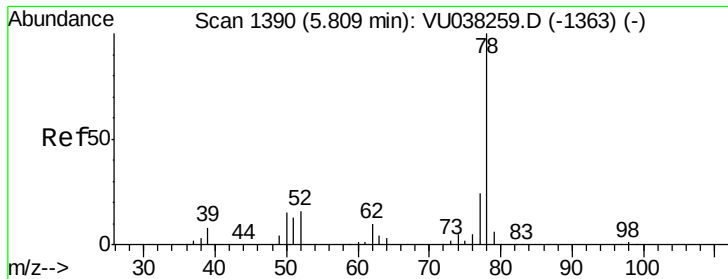
#30
 Cyclohexane
 Concen: 1.383 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038268.D
 Acq: 21 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.2	36.4
84	86.8	68.5	102.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 100.759 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

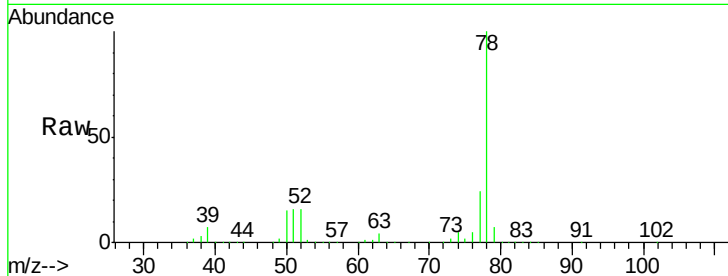
Instrument :

MSVOA_U

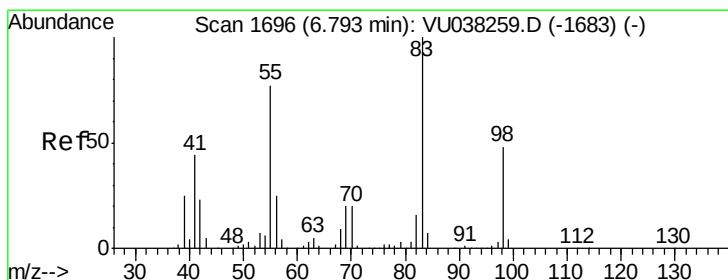
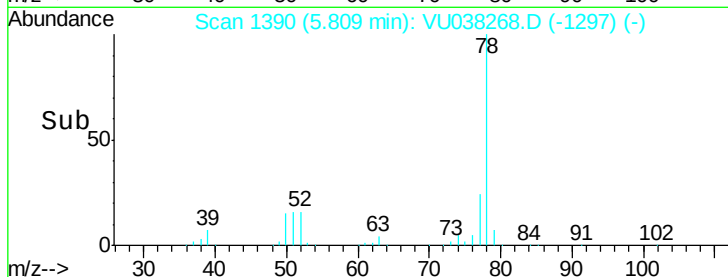
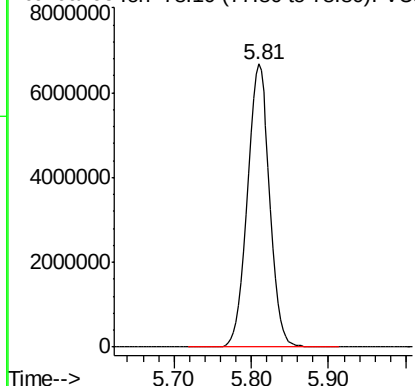
ClientSampleId :

BE4W0

Tgt Ion: 78 Resp:13423718



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.233 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

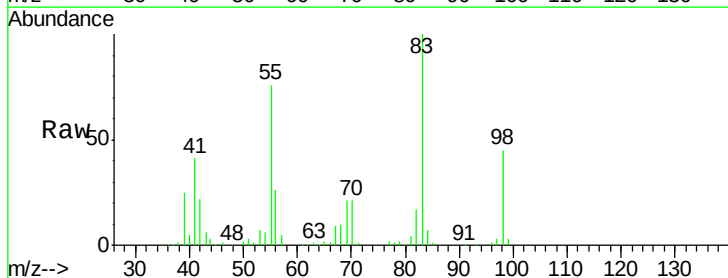
Tgt Ion: 83 Resp: 66526

Ion Ratio Lower Upper

83 100

55 85.9 66.7 100.1

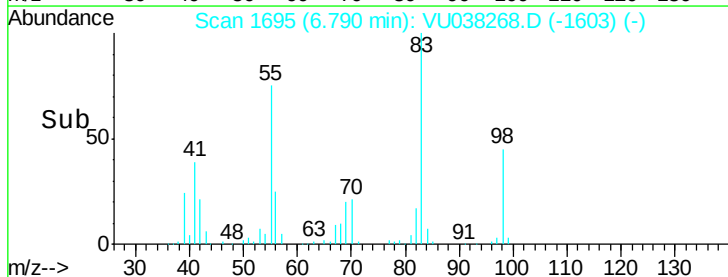
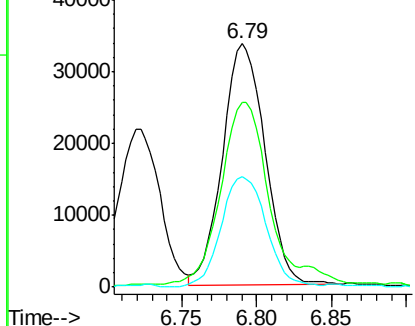
98 48.7 39.4 59.2

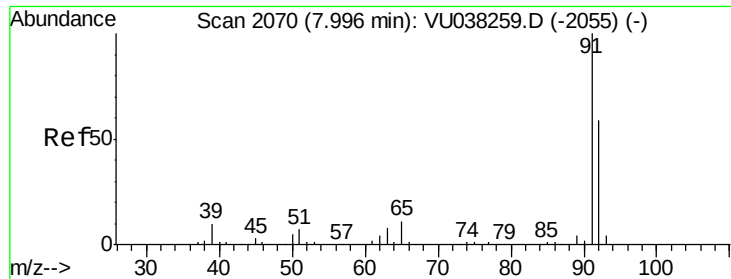


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.389 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

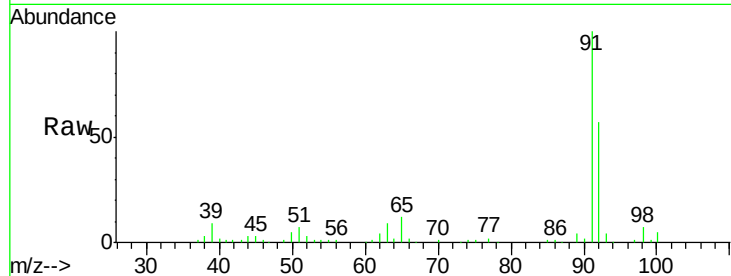
BE4W0

Tot Ion: 91 Resp: 54751

Ion Ratio Lower Upper

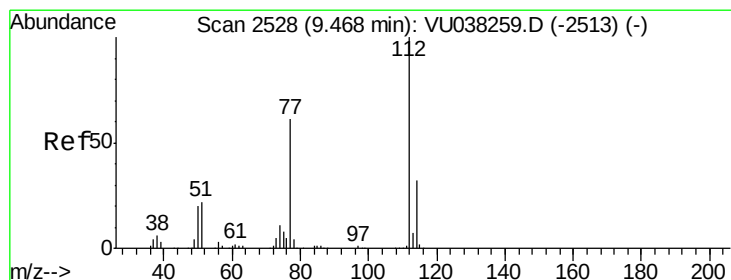
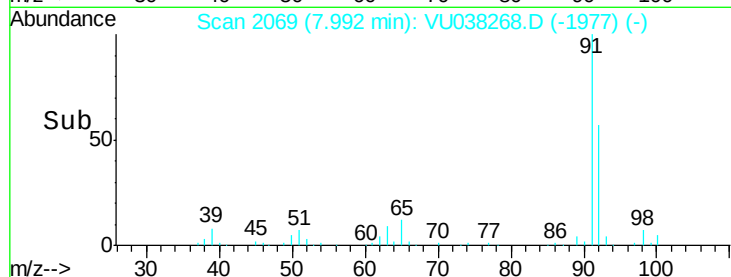
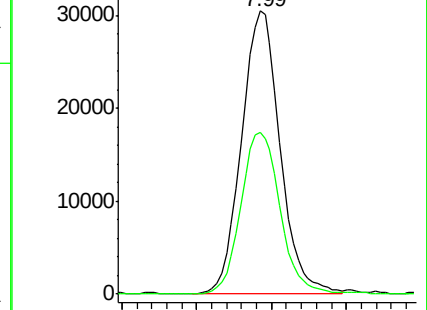
91 100

92 57.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)



#51

Chlorobenzene

Concen: 20.253 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

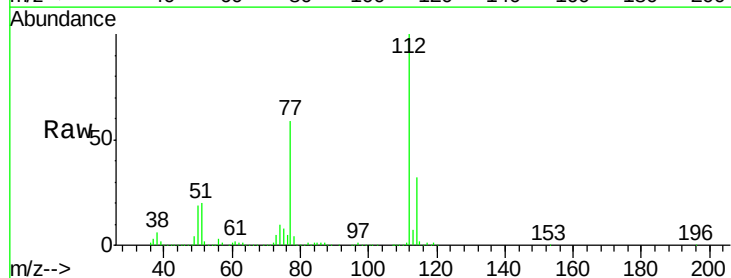
Tgt Ion: 112 Resp: 1767614

Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

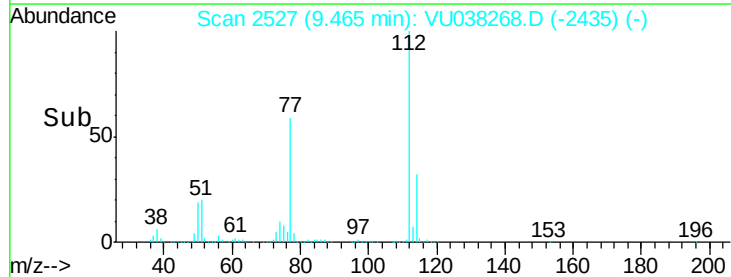
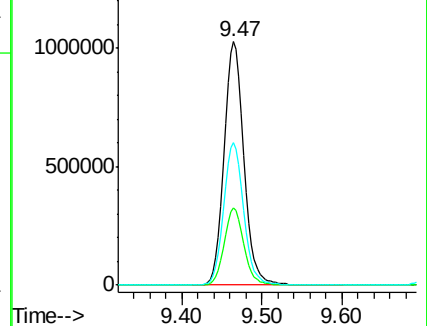
77 58.7 49.9 74.9

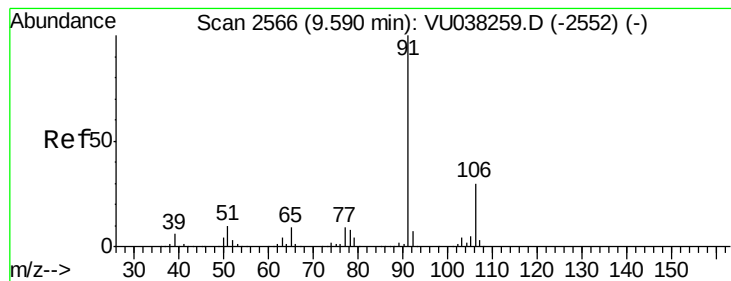


Abundance Ion 112.10 (111.80 to 112.80): VU038259.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU038259.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU038259.D (-2513) (-)





#52

Ethylbenzene

Concen: 0.307 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

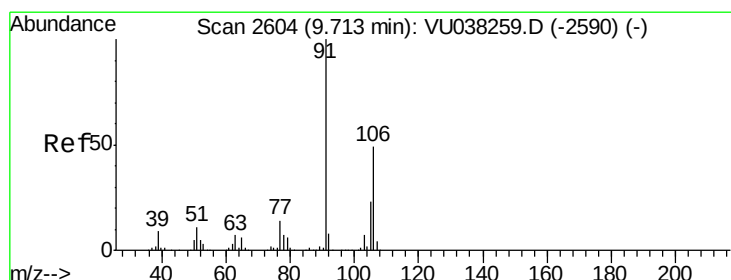
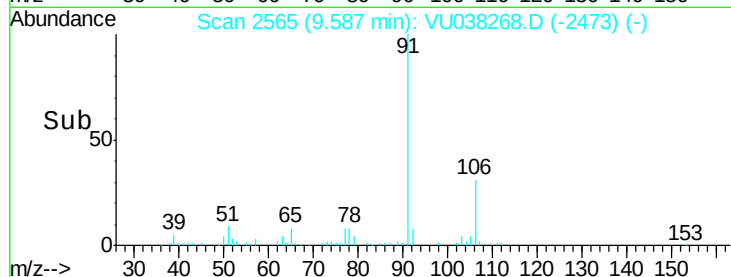
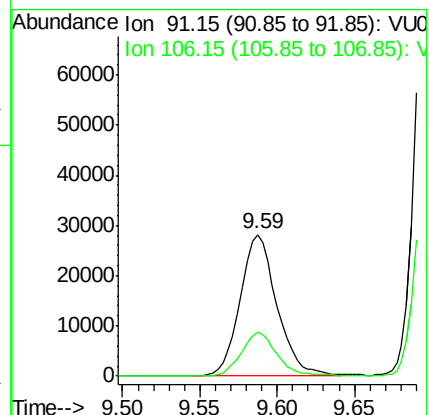
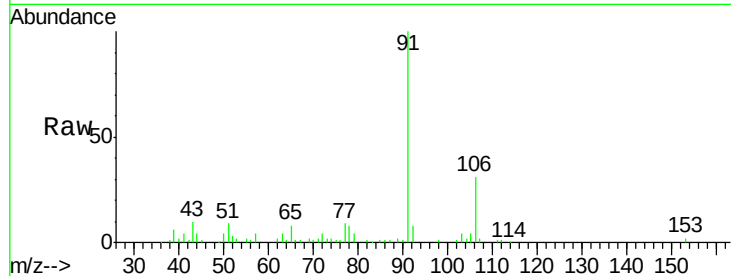
BE4W0

Tot Ion: 91 Resp: 46731

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



#53

m,p-Xylene

Concen: 6.377 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038268.D

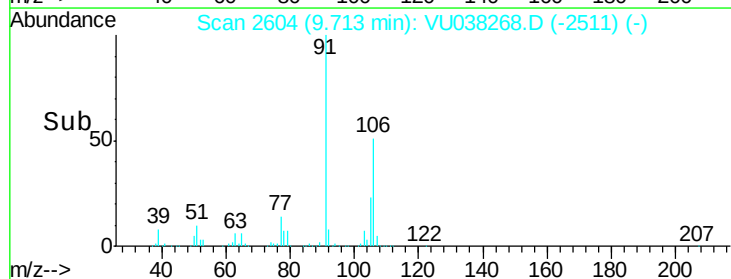
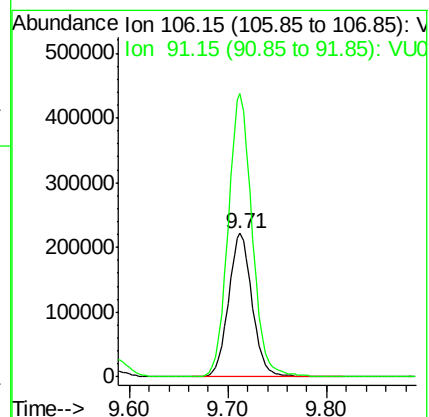
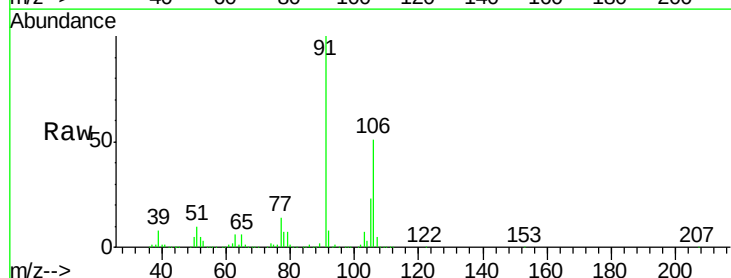
Acq: 21 May 2020 16:39

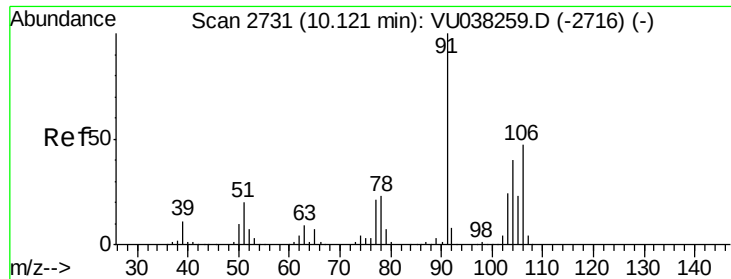
Tgt Ion: 106 Resp: 372541

Ion Ratio Lower Upper

106 100

91 196.9 142.1 263.9

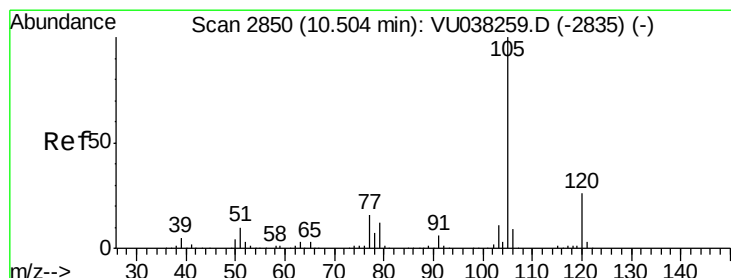
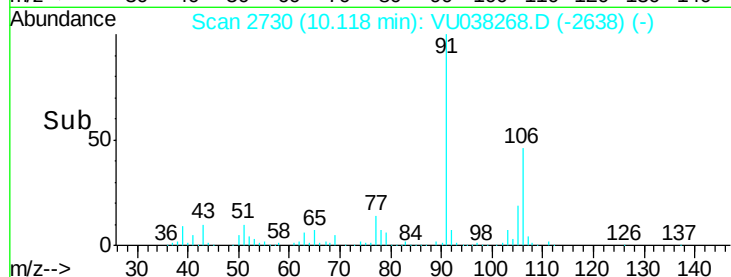
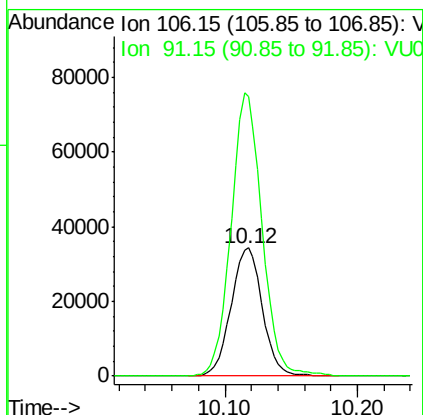
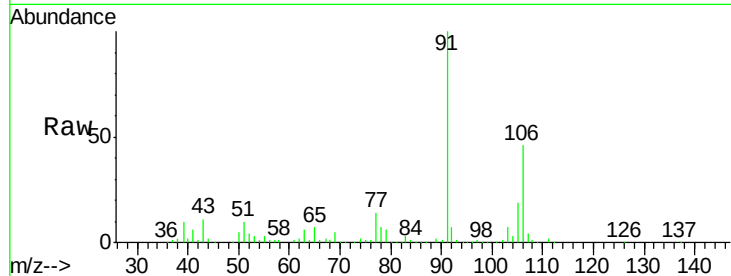




#54
o-Xylene
Concen: 1.000 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038268.D
Acq: 21 May 2020 16:39

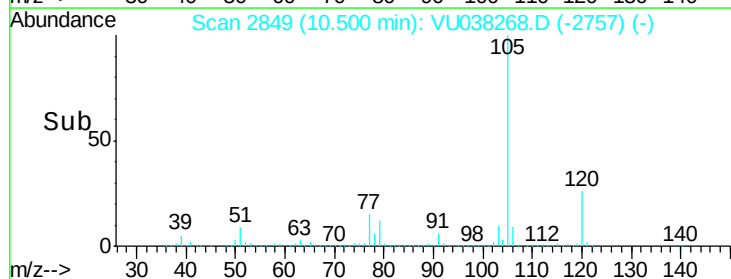
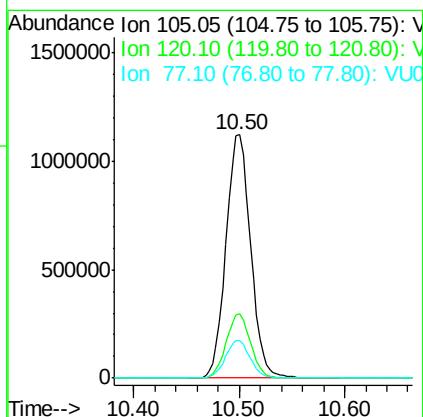
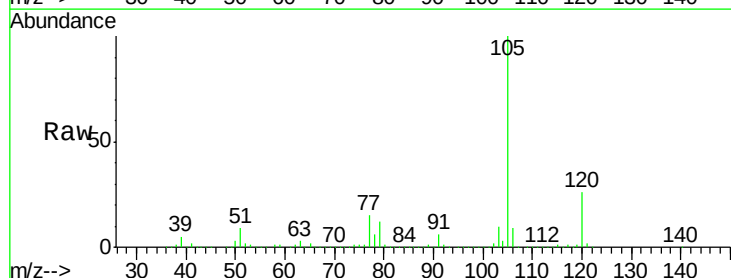
Instrument :
MSVOA_U
ClientSampled :
BE4W0

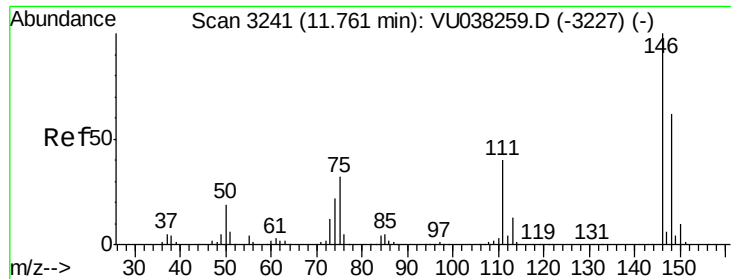
Tot Ion:106 Resp: 56487
Ion Ratio Lower Upper
106 100
91 217.8 148.5 275.9



#56
Isopropylbenzene
Concen: 12.525 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038268.D
Acq: 21 May 2020 16:39

Tgt Ion:105 Resp: 1817022
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 15.6 13.0 19.4

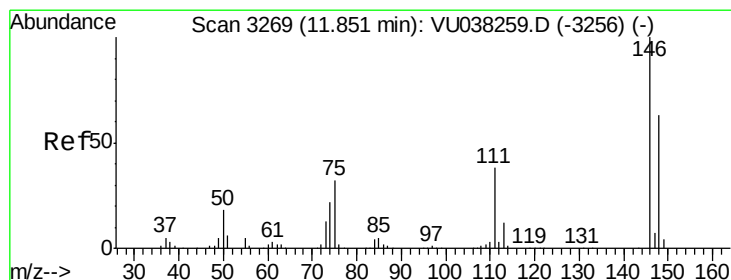
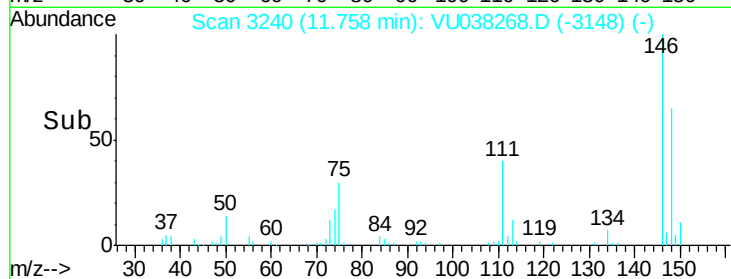
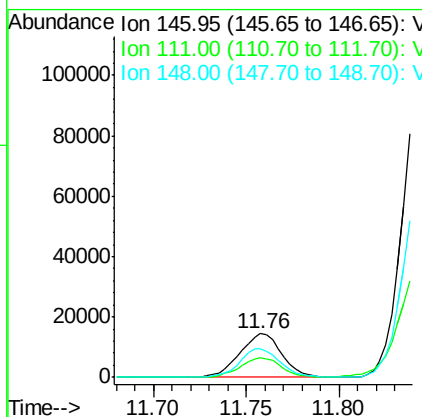
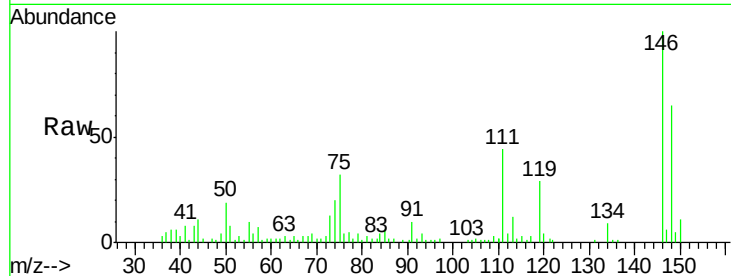




#62
 1,3-Dichlorobenzene
 Concen: 0.345 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038268.D
 Acq: 21 May 2020 16:39

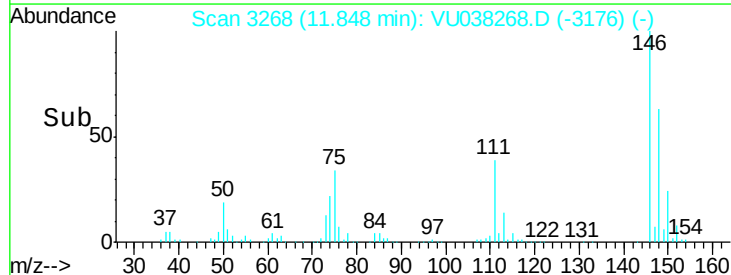
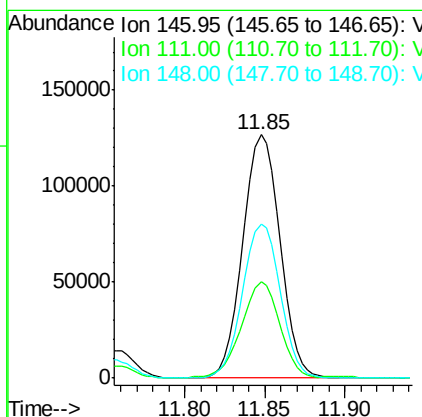
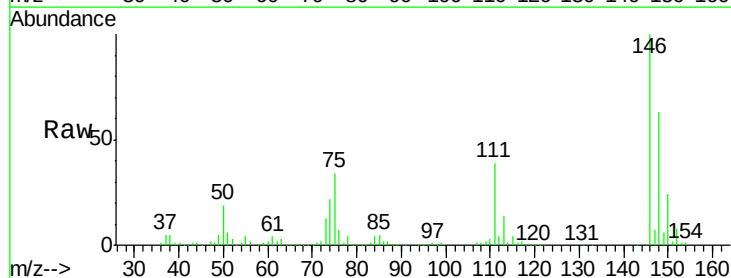
Instrument :
 MSVOA_U
 ClientSampleId :
 BE4W0

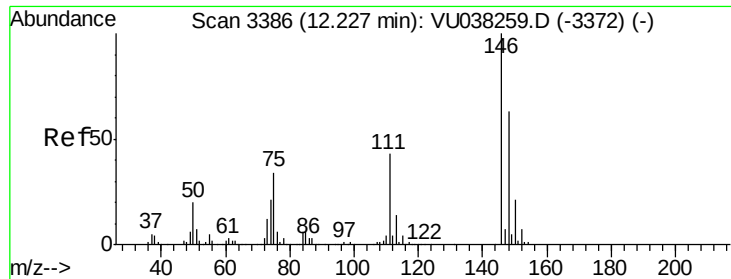
Tot Ion:146 Resp: 22804
 Ion Ratio Lower Upper
 146 100
 111 44.1 28.6 53.2
 148 65.4 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 3.004 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038268.D
 Acq: 21 May 2020 16:39

Tgt Ion:146 Resp: 201201
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.2 50.6
 148 63.4 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.897 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038268.D

Acq: 21 May 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

BE4W0

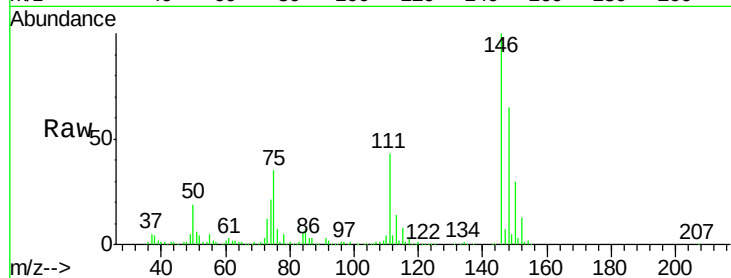
Tot Ion:146 Resp: 311445

Ion Ratio Lower Upper

146 100

111 42.9 35.3 52.9

148 65.0 51.0 76.4



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

