

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
 Data File : VU038590.D
 Acq On : 06 Jun 2020 00:37
 Operator : SY/MD
 Sample : L2884-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXD7

Quant Time: Jun 06 02:39:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 06 02:36:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	286414	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	285900	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	142350	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	58526	3.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.20%
7) Chloroethane-d5	1.93	69	57530	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.59	63	102994	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.67	46	212482	37.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.46%
24) Chloroform-d	5.10	84	162182	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.74	65	95007	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	311805	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.72	67	97660	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.92	98	260823	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	8.20	79	38313	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.66	63	249801	53.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93537	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	119704	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	21159	5.742	ug/L	94
19) 1,1-Dichloroethane	3.92	63	2913	0.086	ug/L #	78
21) 2-Butanone	4.76	43	7345	1.185	ug/L	91
22) cis-1,2-Dichloroethene	4.70	96	4889	0.239	ug/L	82
27) 1,2-Dichloroethane	5.83	62	5754	0.237	ug/L #	93
33) Benzene	5.81	78	15097	0.189	ug/L	100
35) Methylcyclohexane	6.72	83	24628	0.769	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11439	0.570	ug/L #	36
39) cis-1,3-Dichloropropene	7.59	75	2540	0.086	ug/L #	67
42) Toluene	7.99	91	19265	0.230	ug/L	98
48) 2-Hexanone	8.71	43	20661	1.902	ug/L #	88
51) Chlorobenzene	9.47	112	19678	0.365	ug/L	97
52) Ethylbenzene	9.59	91	30056	0.323	ug/L	98
53) m,p-Xylene	9.71	106	79816	2.231	ug/L	97
54) o-Xylene	10.12	106	102498	2.984	ug/L	100
55) Styrene	10.12	104	6455	0.111	ug/L #	1
59) 1,2,3-Trichloropropane	11.83	75	19780	1.321	ug/L	93

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QLast Update : Sat Jun 06 02:36:38 2020
Response via : Initial Calibration

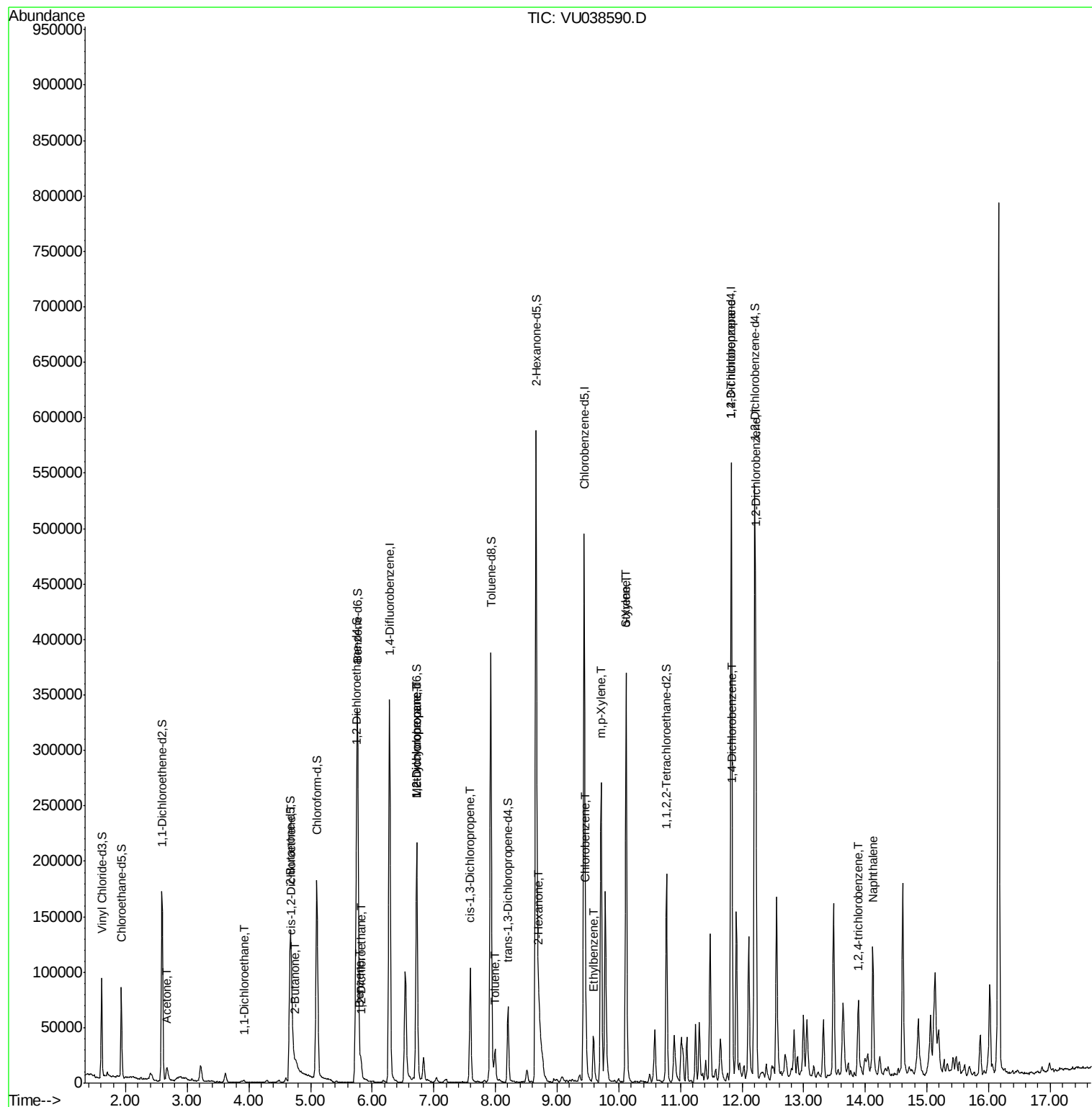
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.85	146	5573	0.131	ug/L	89
65) 1,2-Dichlorobenzene	12.23	146	89444	2.252	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	2777	0.096	ug/L	93
69) Naphthalene	14.12	128	90408	1.573	ug/L	99

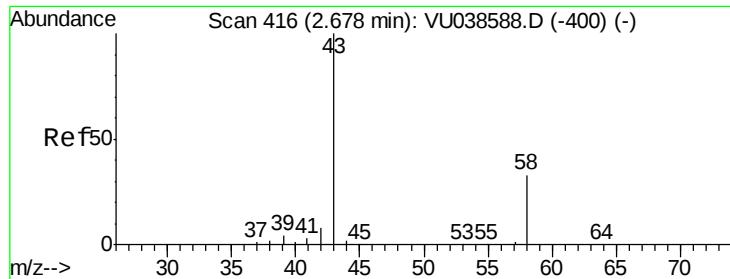
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.742 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

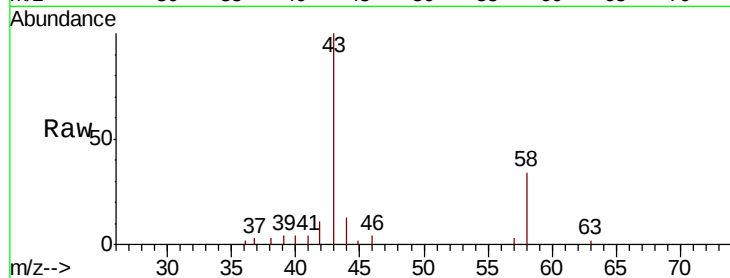
BFXD7

Tot Ion: 43 Resp: 21159

Ion Ratio Lower Upper

43 100

58 35.9 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038588.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038588.D (-400) (-)

2.67

8000

6000

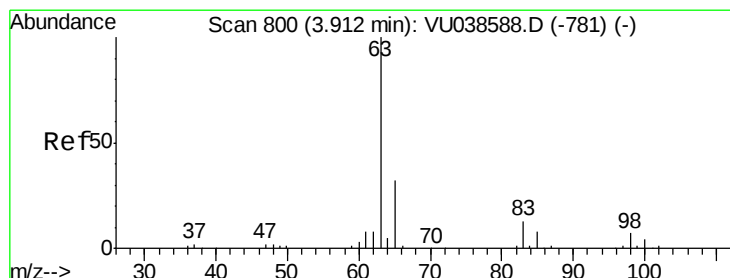
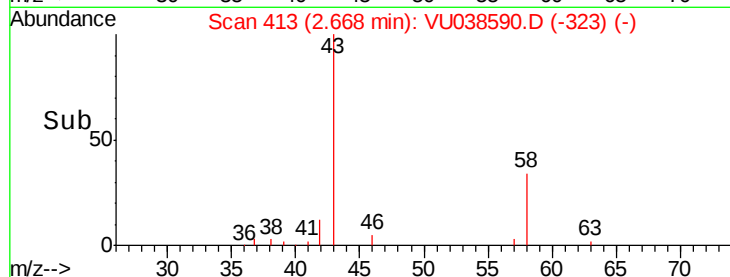
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#19

1,1-Dichloroethane

Concen: 0.086 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.01 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

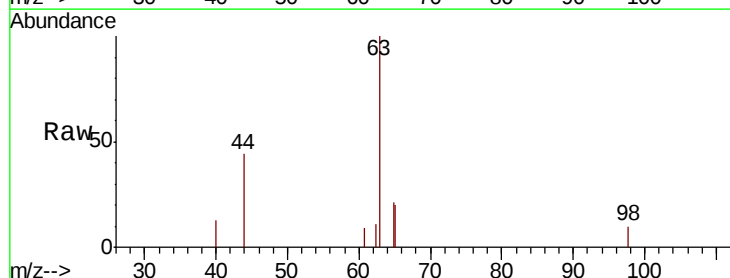
Tgt Ion: 63 Resp: 2913

Ion Ratio Lower Upper

63 100

65 40.3 22.3 41.5

83 0.0 10.4 19.4#



Abundance Ion 63.10 (62.80 to 63.80): VU038588.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU038588.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU038588.D (-781) (-)

3.92

1500

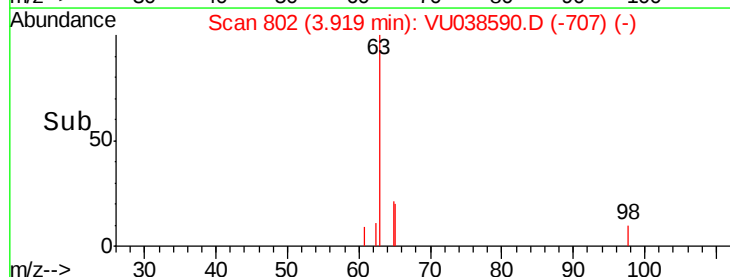
1000

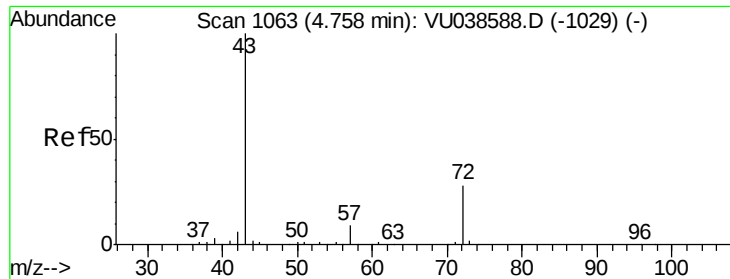
500

0

Time-->

3.85 3.90 3.95

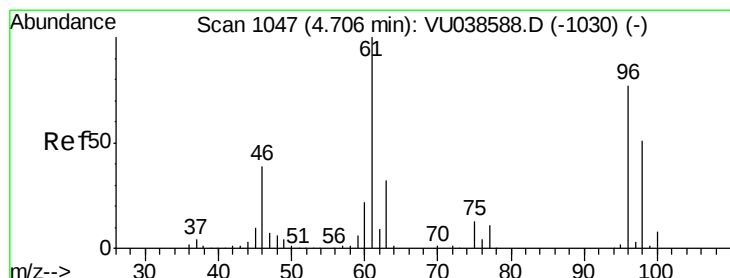
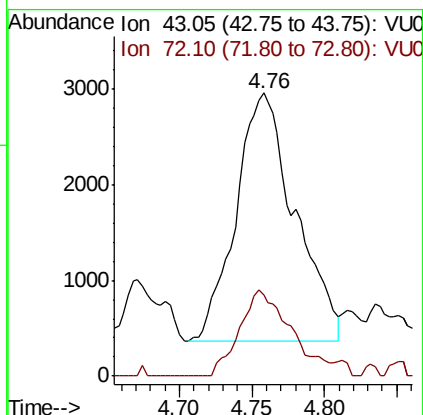
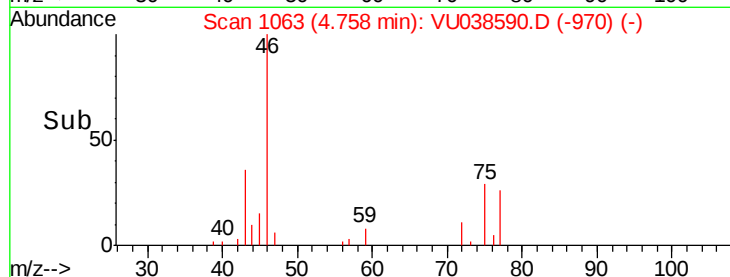
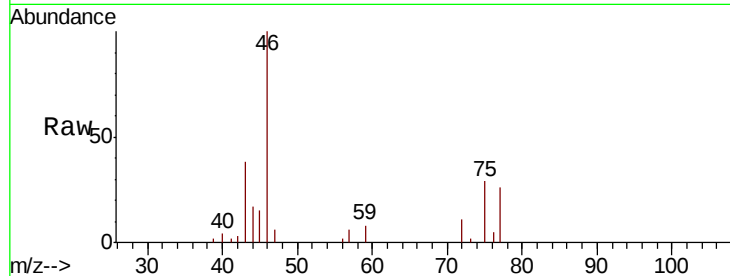




#21
 2-Butanone
 Concen: 1.185 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU038590.D
 Acq: 06 Jun 2020 00:37

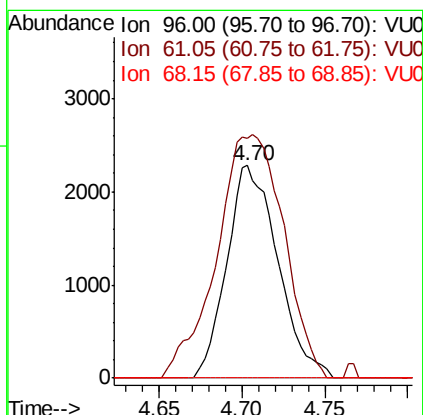
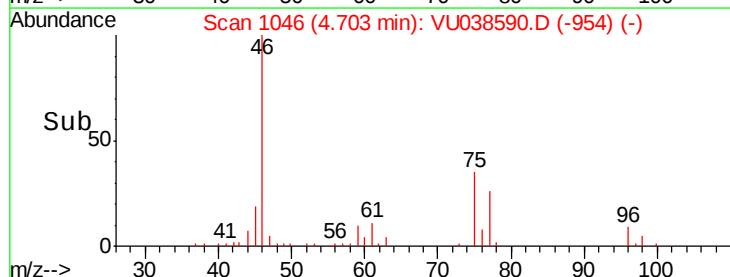
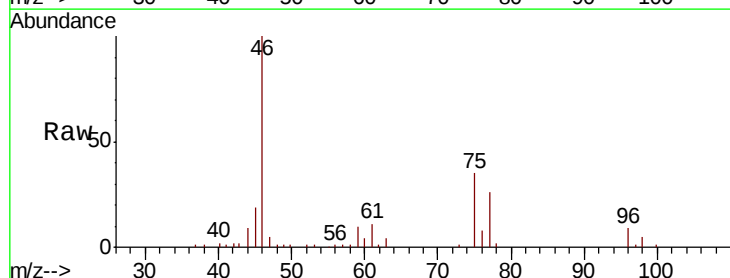
Instrument :
 MSVOA_U
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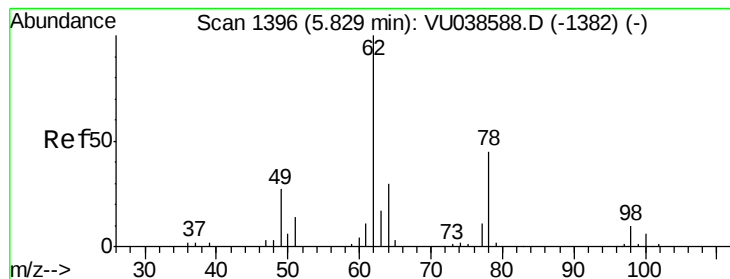
Tot Ion: 43 Resp: 7345
 Ion Ratio Lower Upper
 43 100
 72 29.9 12.6 37.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.239 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU038590.D
 Acq: 06 Jun 2020 00:37

Tgt Ion: 96 Resp: 4889
 Ion Ratio Lower Upper
 96 100
 61 112.8 94.0 174.6
 68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.237 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

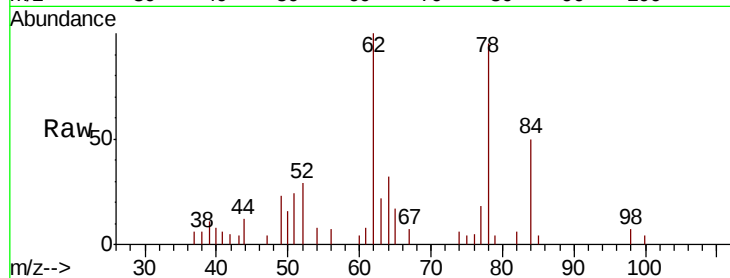
BFXD7

Tot Ion: 62 Resp: 5754

Ion Ratio Lower Upper

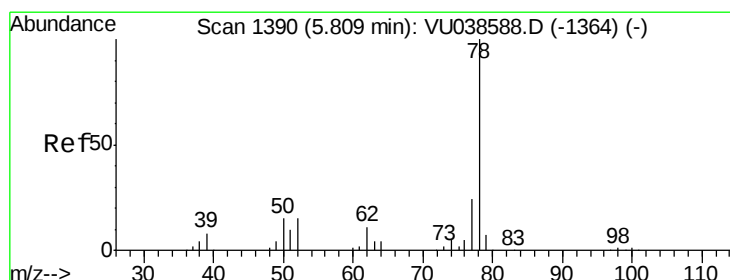
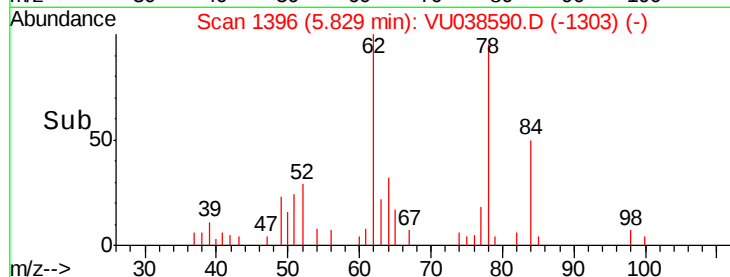
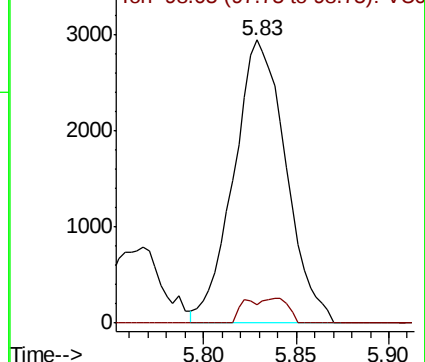
62 100

98 6.7 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU038588.D (-1382) (-)

Ion 98.05 (97.75 to 98.75): VU038588.D (-1382) (-)



#33

Benzene

Concen: 0.189 ug/L

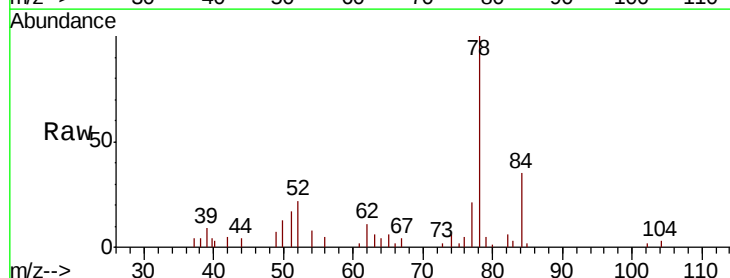
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

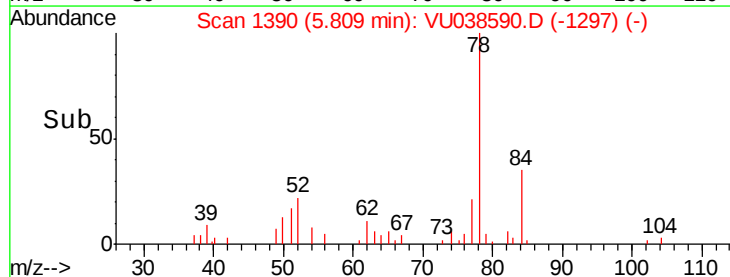
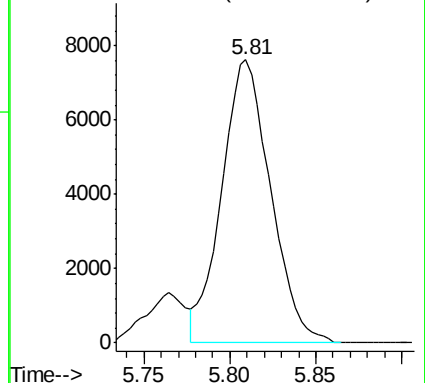
Lab File: VU038590.D

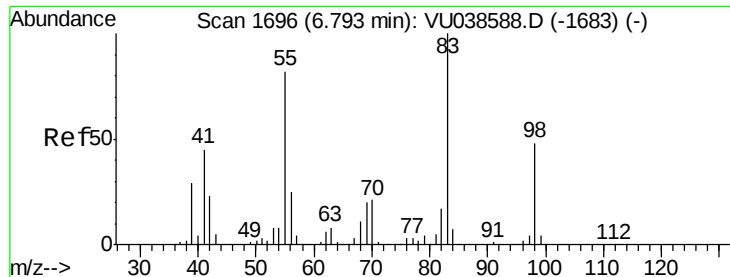
Acq: 06 Jun 2020 00:37

Tgt Ion: 78 Resp: 15097



Abundance Ion 78.10 (77.80 to 78.80): VU038588.D (-1364) (-)

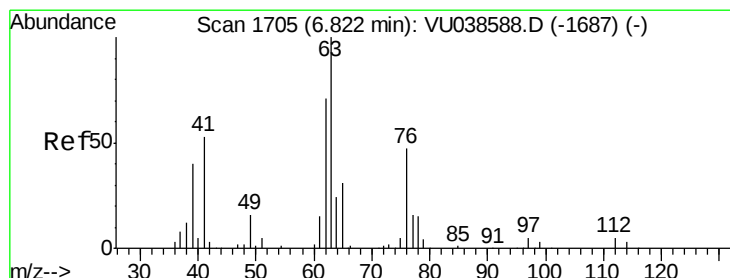
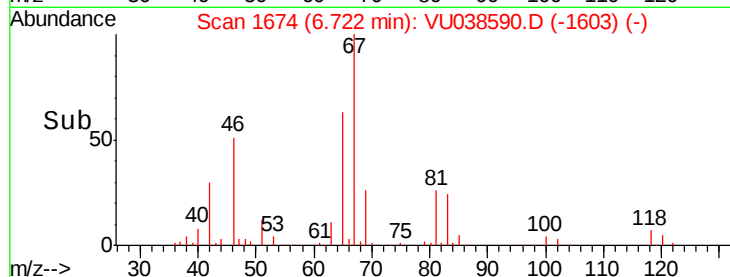
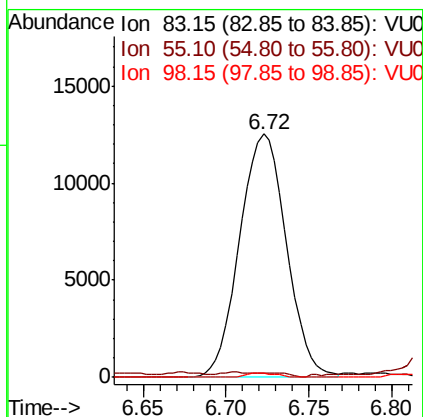
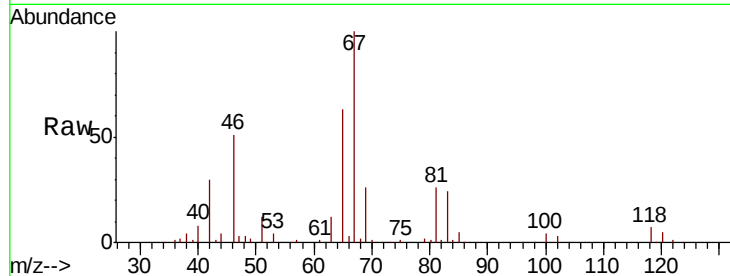




#35
Methvlcvclohexane
Concen: 0.769 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

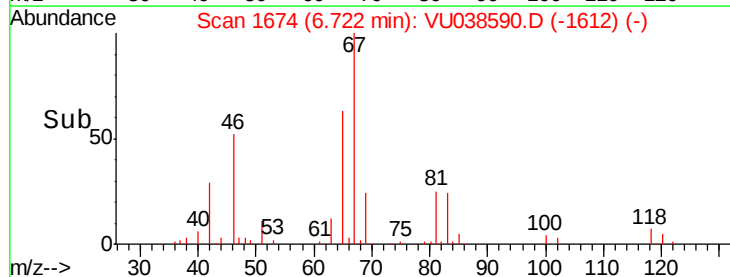
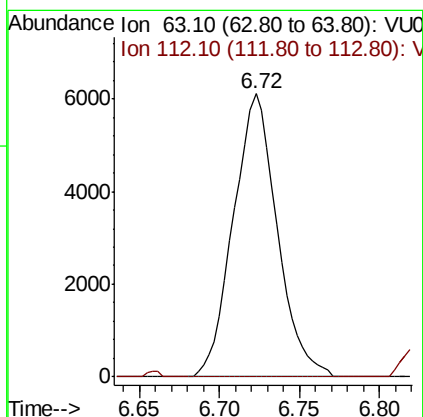
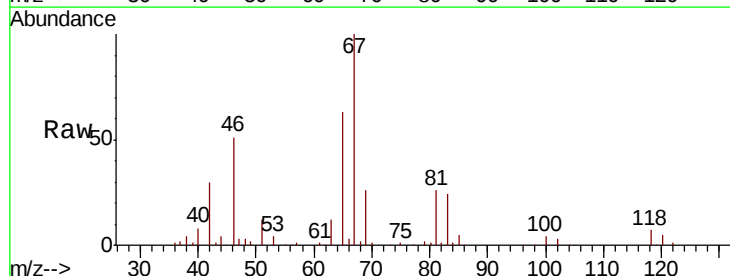
Instrument :
MSVOA_U
ClientSampleId :
BFXD7

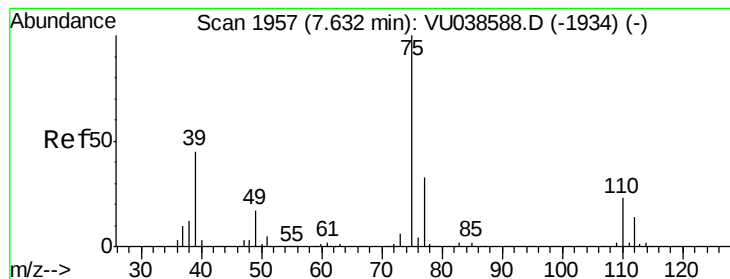
Tot Ion: 83 Resp: 24628
Ion Ratio Lower Upper
83 100
55 0.0 63.4 95.2#
98 1.2 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.570 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

Tgt Ion: 63 Resp: 11439
Ion Ratio Lower Upper
63 100
112 25.7 3.7 5.5#



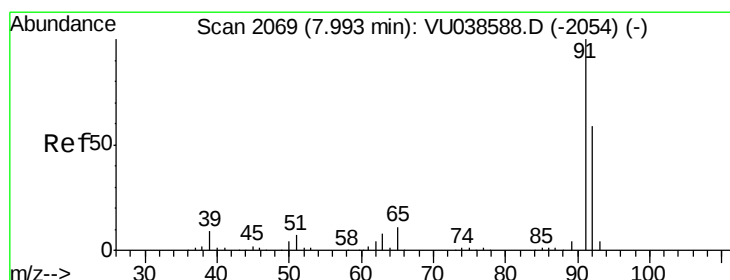
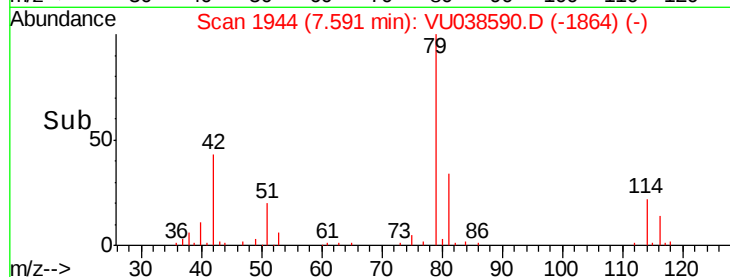
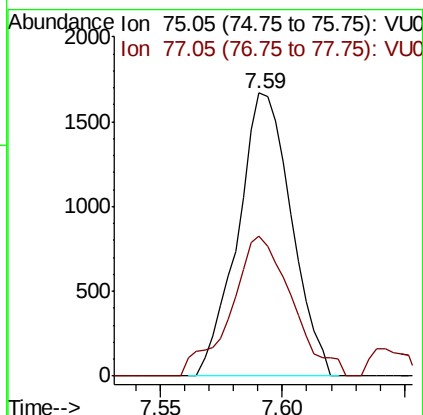
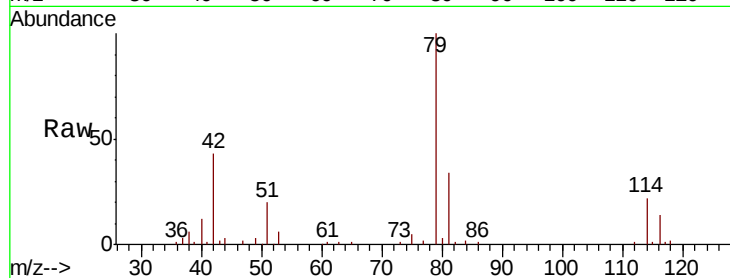


#39

cis-1,3-Dichloropropene
Concen: 0.086 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

Instrument :
MSVOA_U
ClientSampleId :
BFXD7

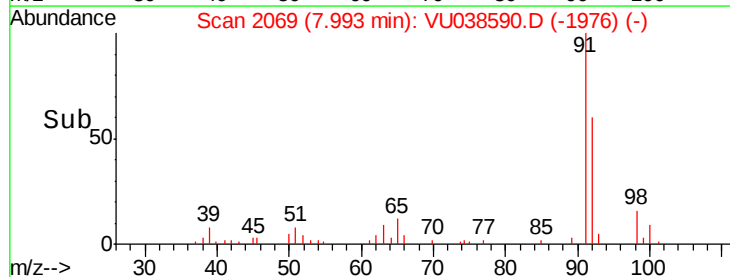
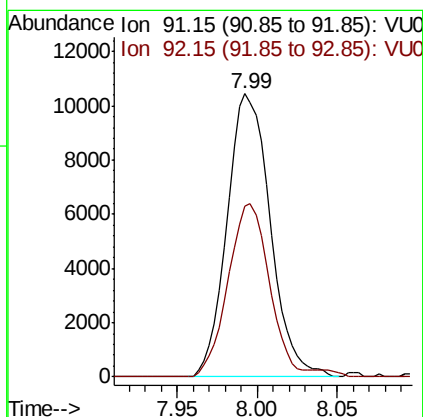
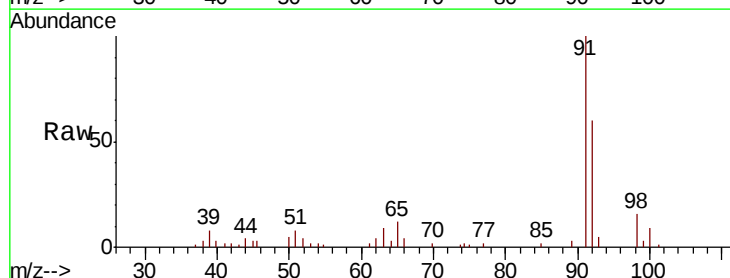
Tot Ion: 75 Resp: 2540
Ion Ratio Lower Upper
75 100
77 49.7 21.9 40.7#

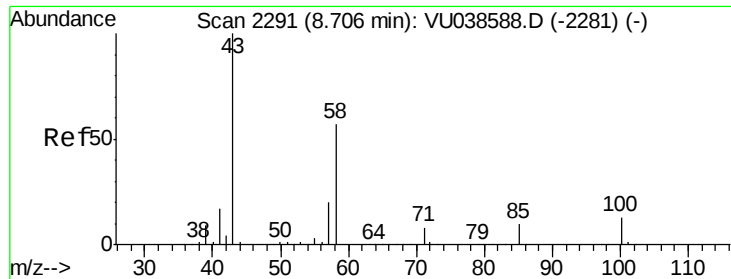


#42

Toluene
Concen: 0.230 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

Tgt Ion: 91 Resp: 19265
Ion Ratio Lower Upper
91 100
92 60.1 43.0 79.8

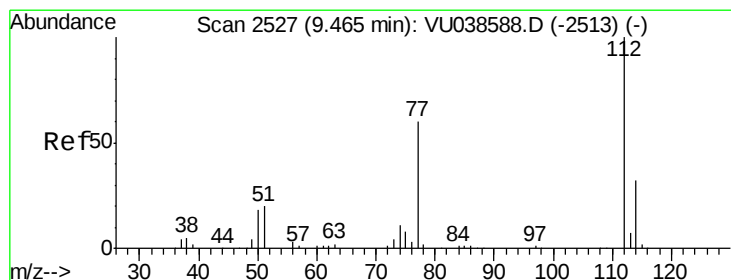
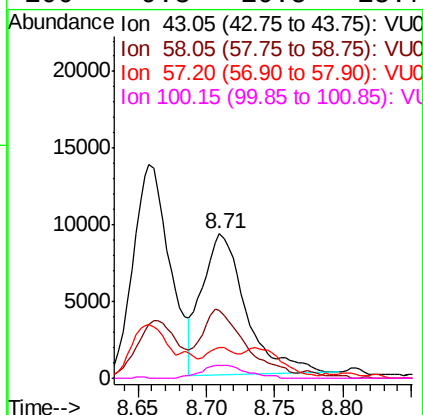
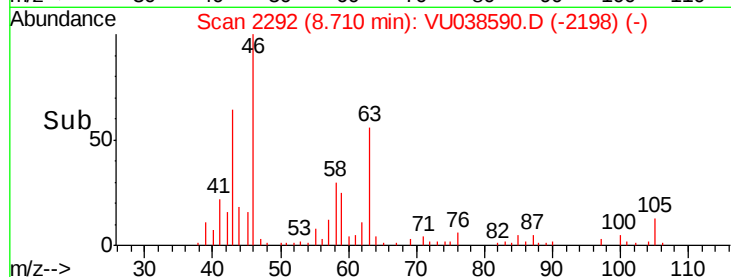
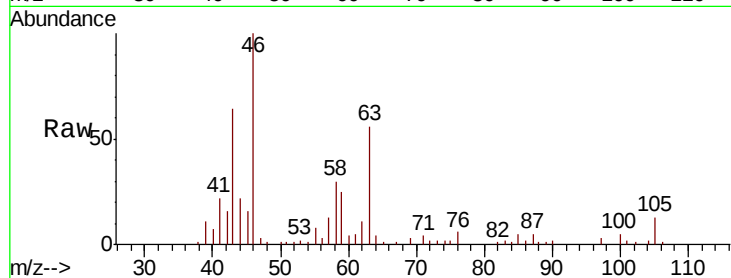




#48
2-Hexanone
Concen: 1.902 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

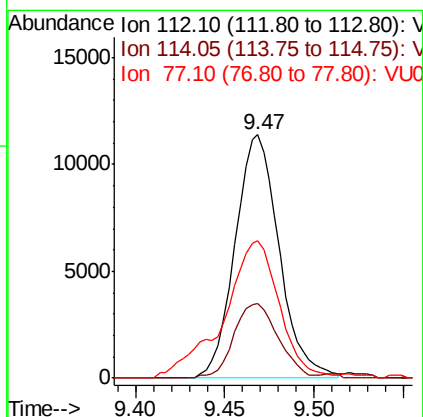
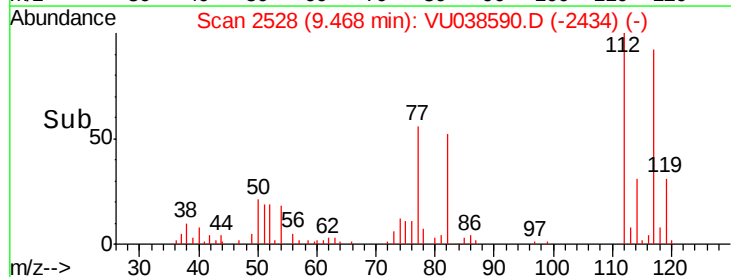
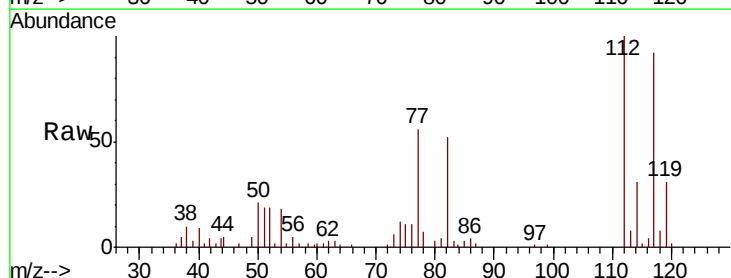
Instrument :
MSVOA_U
ClientSampleId :
BFXD7

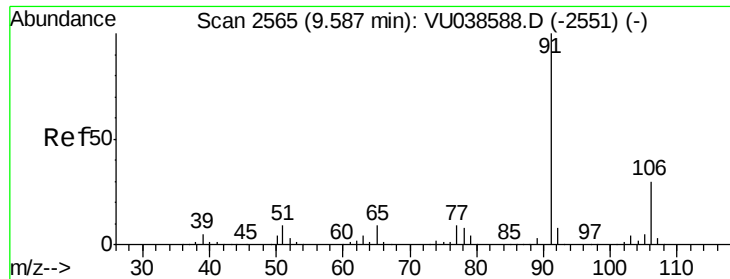
Tot Ion: 43 Resp: 20661
Ion Ratio Lower Upper
43 100
58 47.6 45.4 68.0
57 14.7 15.9 23.9#
100 9.3 10.5 15.7#



#51
Chlorobenzene
Concen: 0.365 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

Tgt Ion: 112 Resp: 19678
Ion Ratio Lower Upper
112 100
114 30.6 22.4 41.6
77 56.4 47.1 70.7





#52

Ethylbenzene

Concen: 0.323 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

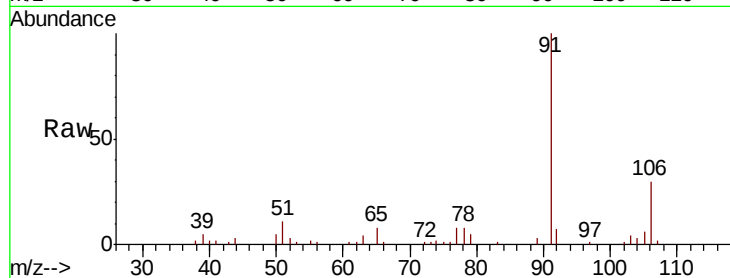
BFXD7

Tot Ion: 91 Resp: 30056

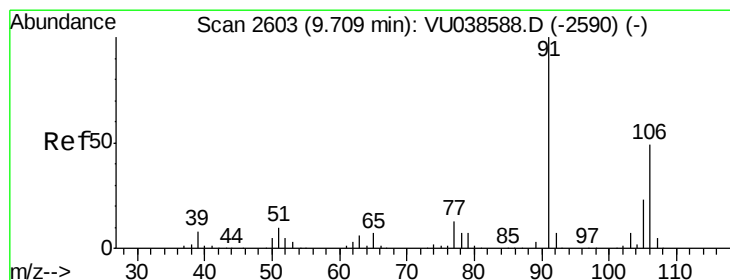
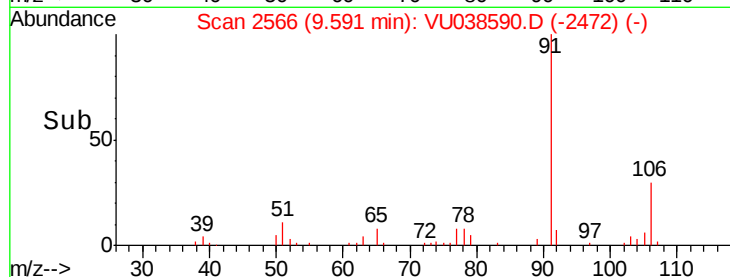
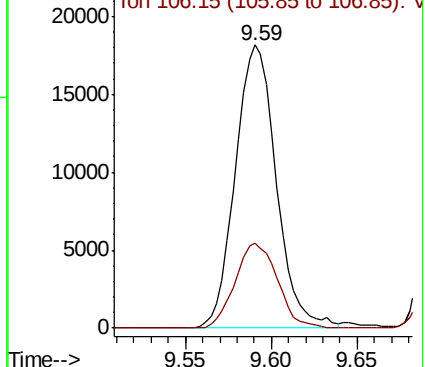
Ion Ratio Lower Upper

91 100

106 29.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038588.D (-2551) (-)



#53

m,p-Xylene

Concen: 2.231 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038590.D

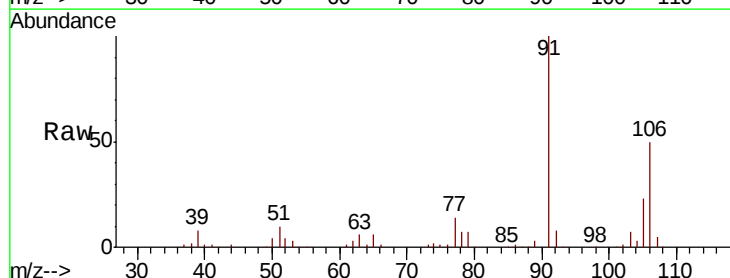
Acq: 06 Jun 2020 00:37

Tgt Ion: 106 Resp: 79816

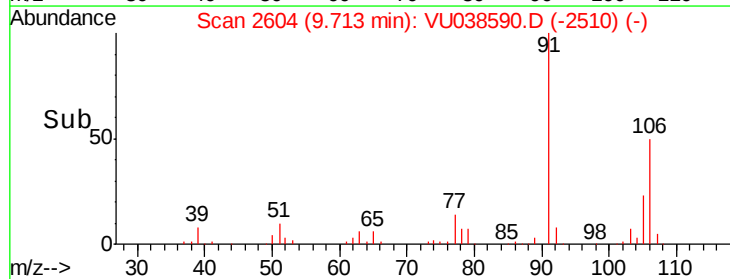
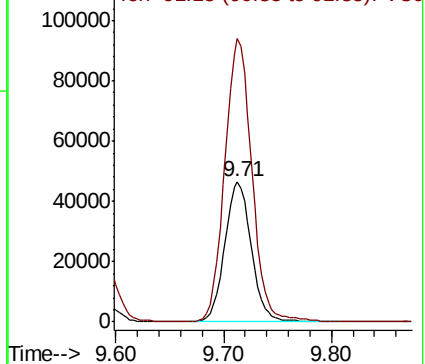
Ion Ratio Lower Upper

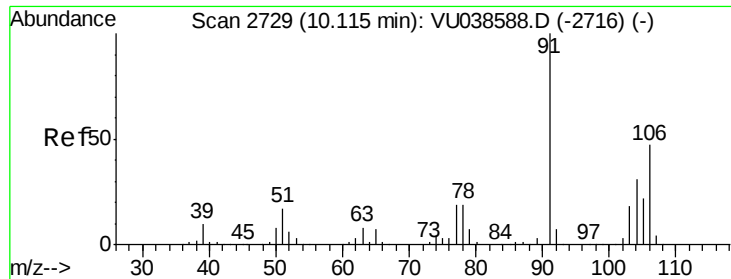
106 100

91 202.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038590.D (-2510) (-)

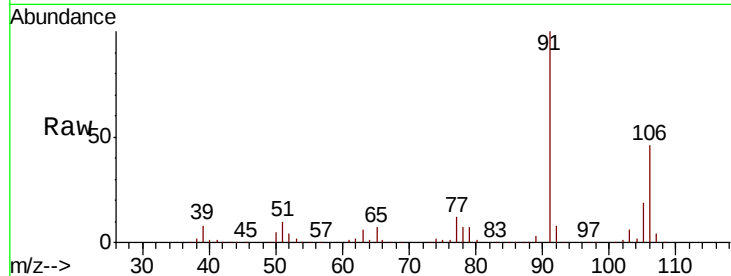




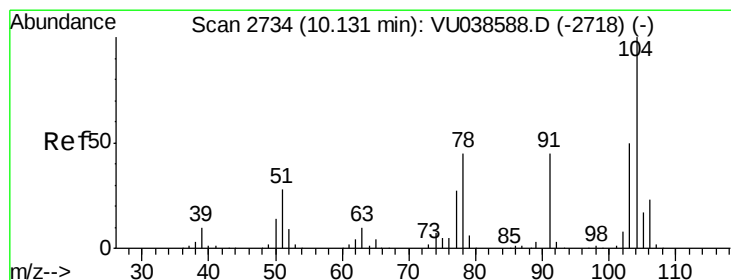
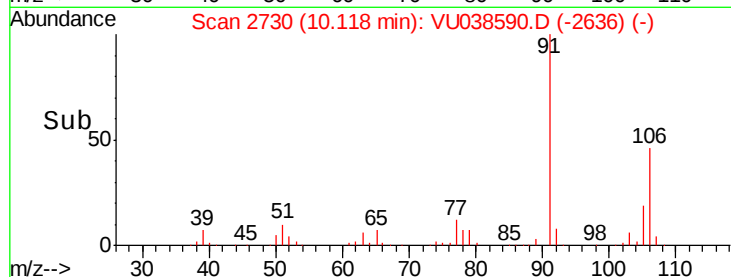
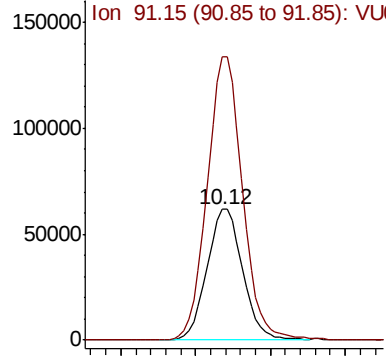
#54
o-Xylene
Concen: 2.984 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

Instrument :
MSVOA_U
ClientSampleId :
BFXD7

Tot Ion:106 Resp: 102498
Ion Ratio Lower Upper
106 100
91 216.0 150.6 279.8

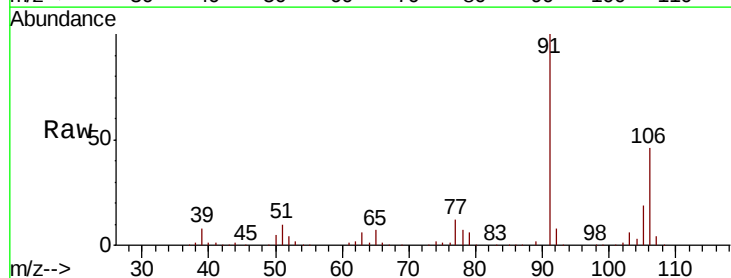


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

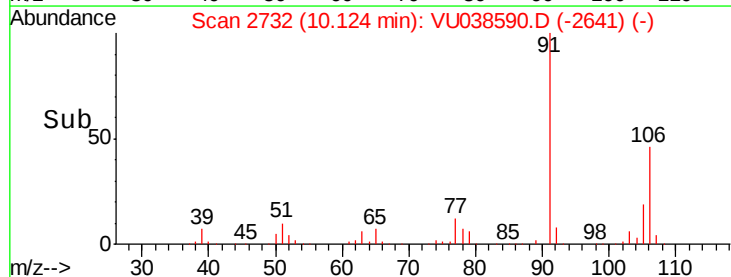
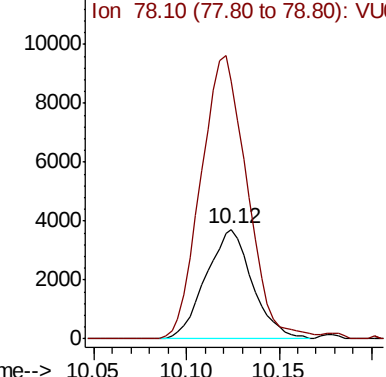


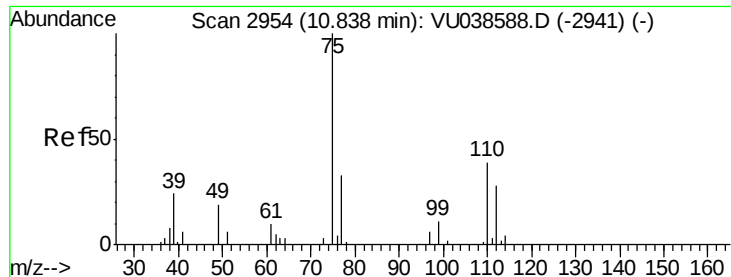
#55
Styrene
Concen: 0.111 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.01 min
Lab File: VU038590.D
Acq: 06 Jun 2020 00:37

Tgt Ion:104 Resp: 6455
Ion Ratio Lower Upper
104 100
78 235.4 31.9 59.3#



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

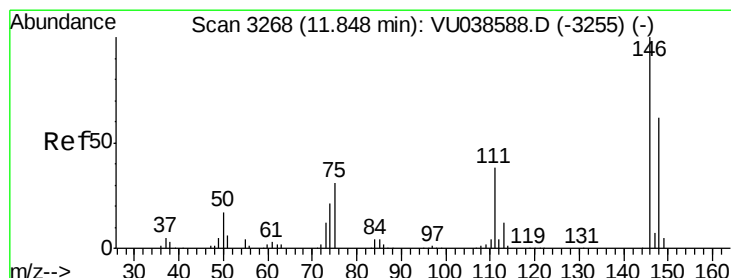
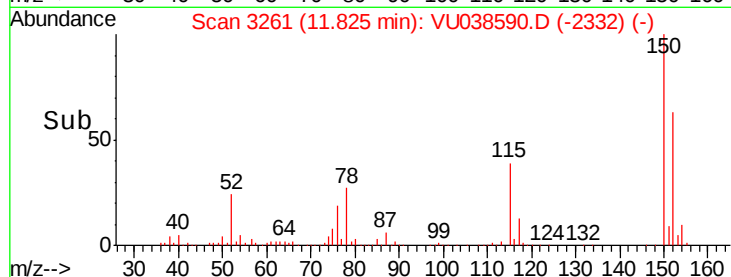
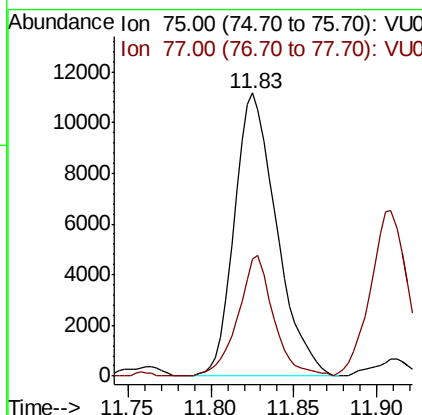
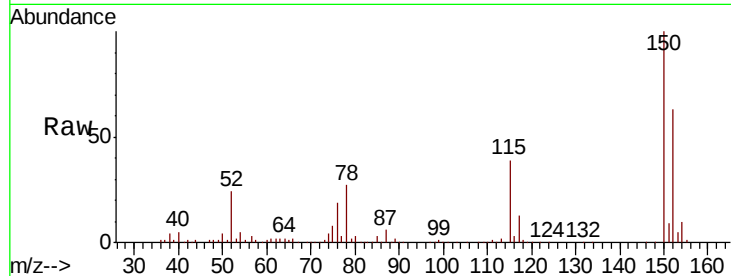




#59
 1,2,3-Trichloropropane
 Concen: 1.321 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU038590.D
 Acq: 06 Jun 2020 00:37

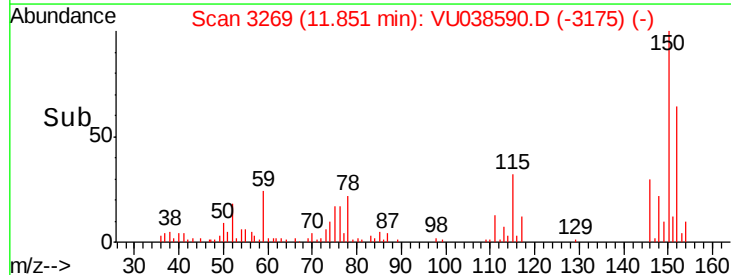
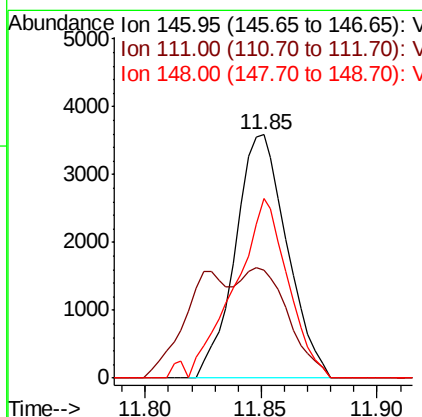
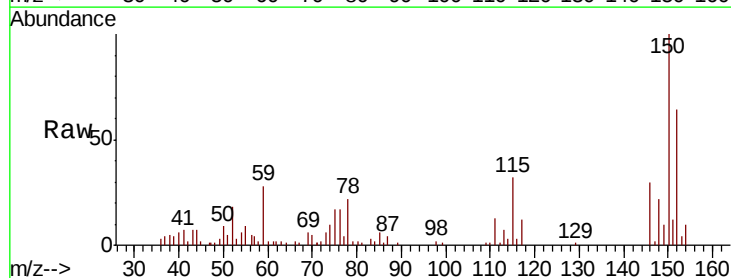
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXD7

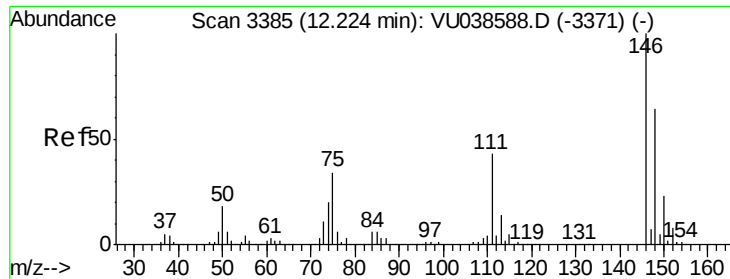
Tot Ion: 75 Resp: 19780
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.4 38.2



#63
 1,4-Dichlorobenzene
 Concen: 0.131 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038590.D
 Acq: 06 Jun 2020 00:37

Tgt Ion: 146 Resp: 5573
 Ion Ratio Lower Upper
 146 100
 111 44.4 27.6 51.2
 148 73.7 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 2.252 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

BFXD7

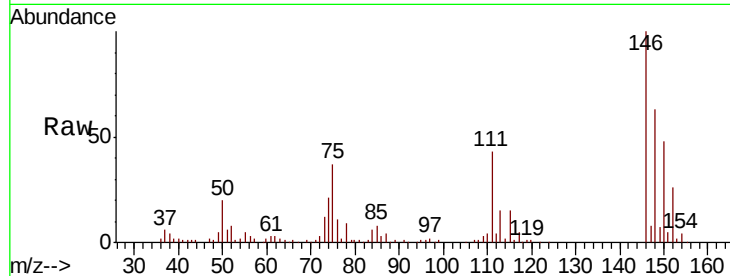
Tot Ion:146 Resp: 89444

Ion Ratio Lower Upper

146 100

111 42.8 35.1 52.7

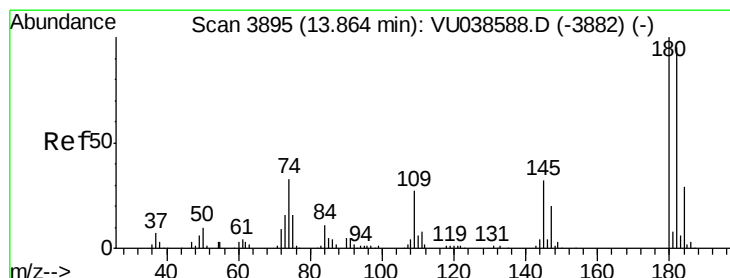
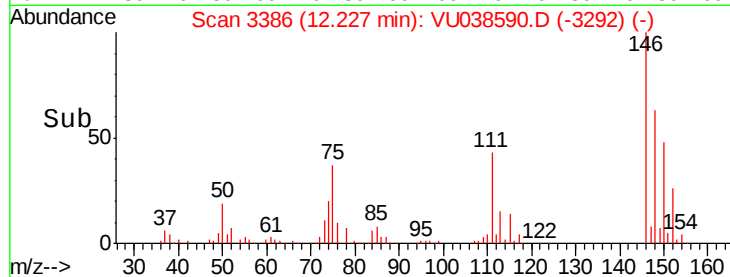
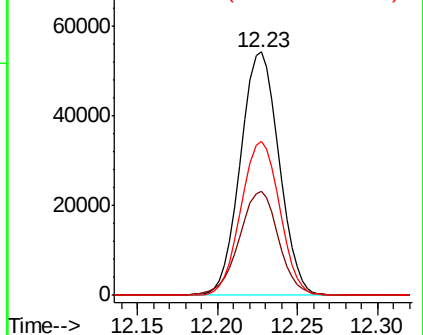
148 63.3 50.9 76.3



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



#68

1,2,4-trichlorobenzene

Concen: 0.096 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.01 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

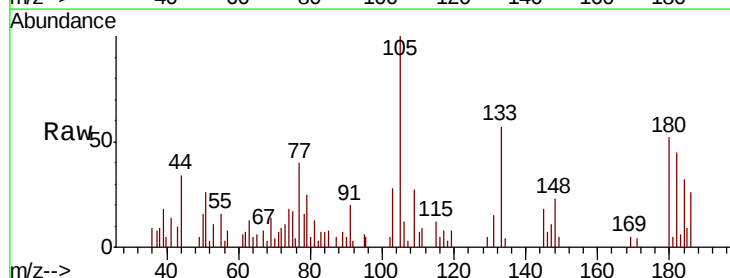
Tgt Ion:180 Resp: 2777

Ion Ratio Lower Upper

180 100

182 88.9 75.8 113.8

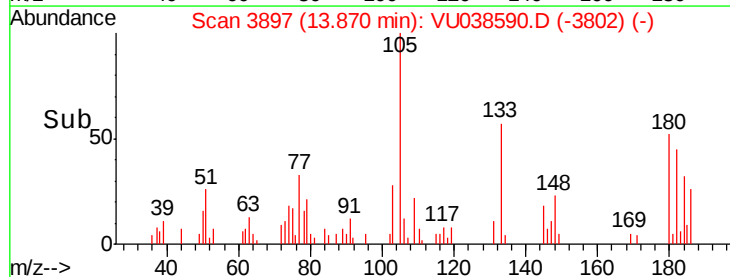
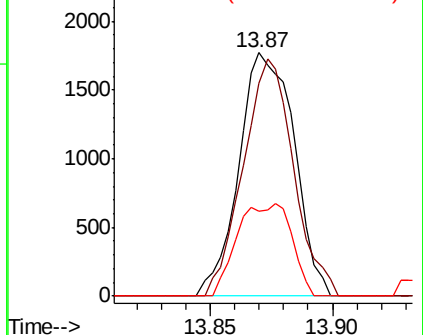
145 37.6 25.3 37.9

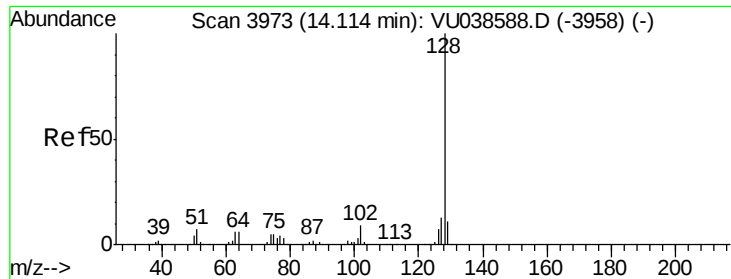


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 1.573 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038590.D

Acq: 06 Jun 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

BFXD7

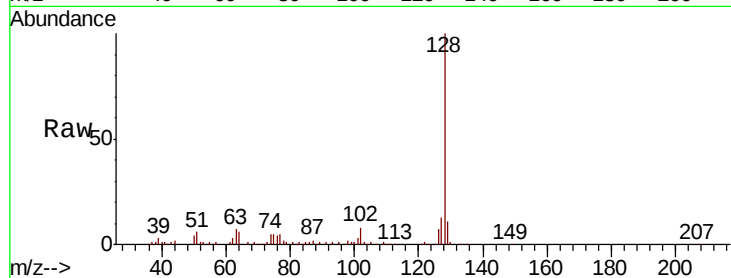
Tot Ion:128 Resp: 90408

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

