

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072120\
 Data File : VU039607.D
 Acq On : 21 Jul 2020 19:15
 Operator : SY/MD
 Sample : L3347-10MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:07:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	114997	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108675	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33651	6.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.20%
7) Chloroethane-d5	1.92	69	44048	7.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	151.20%#
11) 1,1-Dichloroethene-d2	2.58	63	69756	5.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.40%
20) 2-Butanone-d5	4.65	46	129222	53.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.34%
24) Chloroform-d	5.08	84	63730	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	46616	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.75	84	140513	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.70	67	46981	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.91	98	128309	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	8.19	79	18680	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.64	63	98815	54.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.10%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38638	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	47613	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	661	0.108 ug/L	100
12) 1,1-Dichloroethene	2.59	96	29145	5.359 ug/L	93
13) Acetone	2.66	43	3397	2.535 ug/L	96
14) Carbon disulfide	2.81	76	1183	0.072 ug/L #	69
15) Methyl Acetate	2.98	43	2401	0.734 ug/L #	56
21) 2-Butanone	4.73	43	2851	1.228 ug/L	99
25) Chloroform	5.11	83	10363	0.734 ug/L	99
27) 1,2-Dichloroethane	5.80	62	1409	0.147 ug/L #	76
33) Benzene	5.79	78	158949	6.087 ug/L	100
34) Trichloroethene	6.56	95	40925	5.691 ug/L	97
35) Methylcyclohexane	6.78	83	1337	0.127 ug/L #	66
37) 1,2-Dichloropropane	6.70	63	5643	0.776 ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1830	0.175 ug/L #	81
42) Toluene	7.98	91	184038	6.438 ug/L	96
47) Tetrachloroethene	8.56	164	856	0.174 ug/L	90
48) 2-Hexanone	8.69	43	4541	1.081 ug/L #	90
49) Dibromochloromethane	8.56	129	930	0.139 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

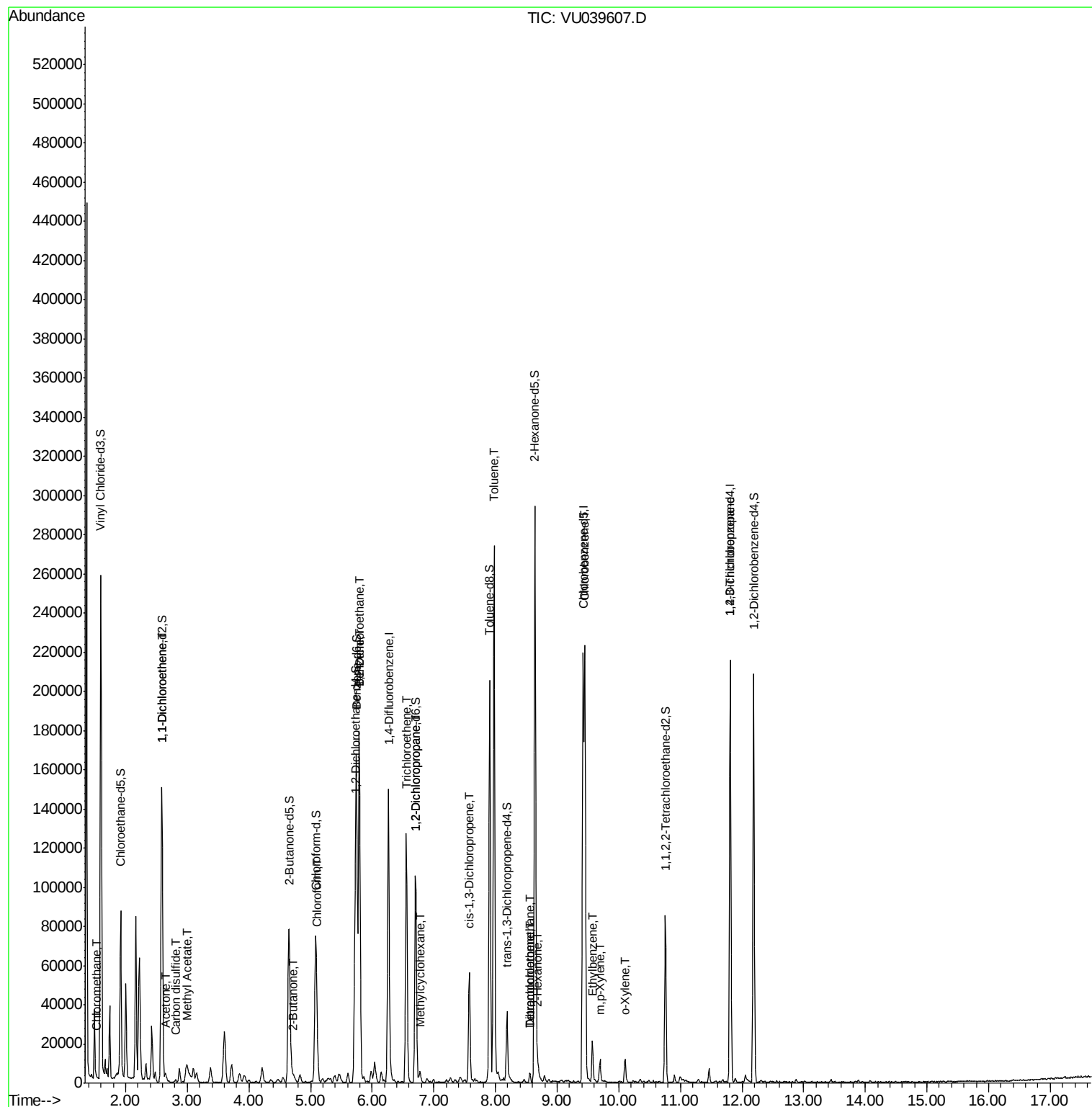
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.45	112	103325	5.647	ug/L	99
52) Ethylbenzene	9.57	91	14525	0.447	ug/L	96
53) m,p-Xylene	9.69	106	3051	0.251	ug/L	77
54) o-Xylene	10.10	106	3011	0.254	ug/L	87
59) 1,2,3-Trichloropropane	11.81	75	7835	1.470	ug/L #	81

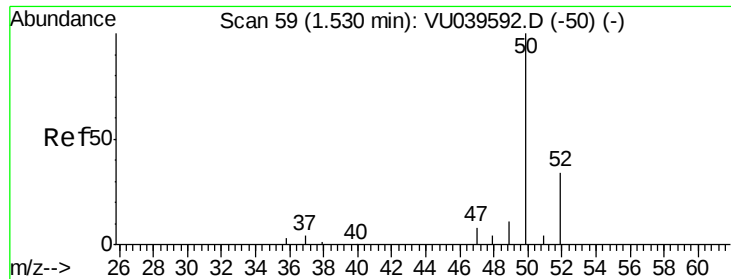
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.108 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039607.D

Acq: 21 Jul 2020 19:15

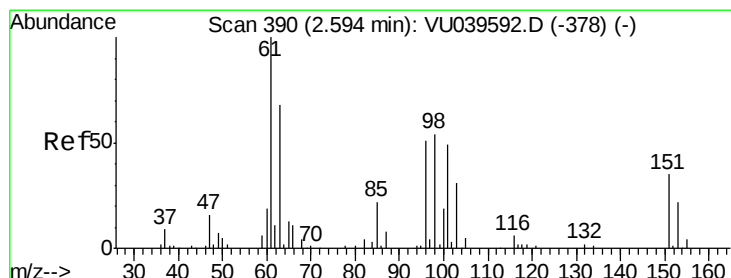
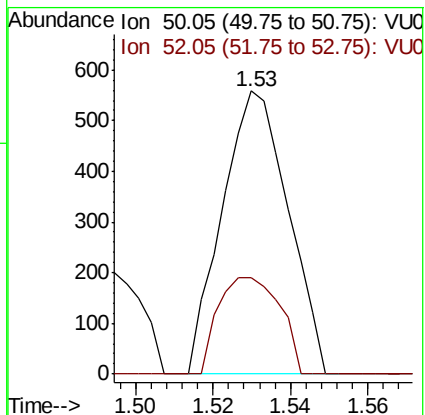
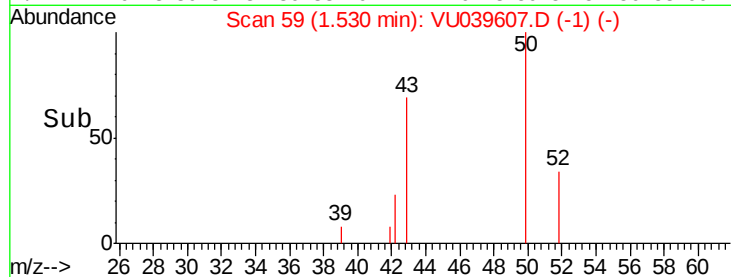
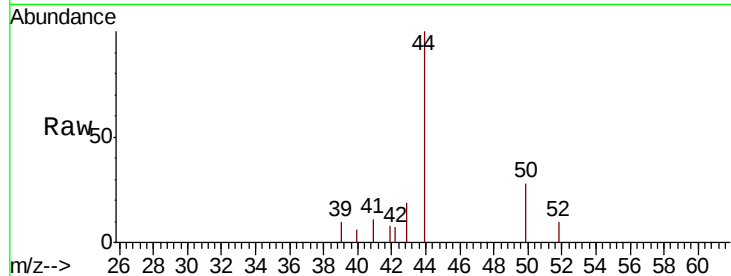
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 50 Resp: 661

Ion Ratio Lower Upper

50 100

52 34.1 23.9 44.5



#12

1,1-Dichloroethene

Concen: 5.359 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039607.D

Acq: 21 Jul 2020 19:15

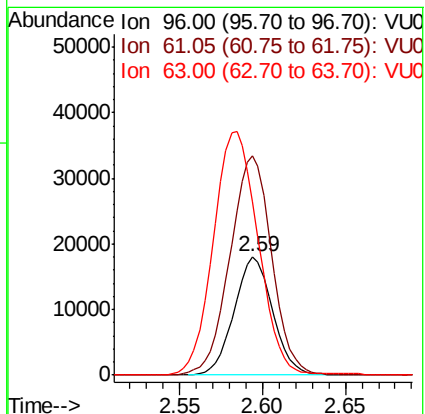
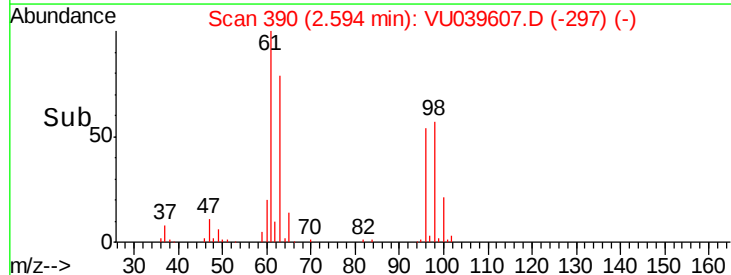
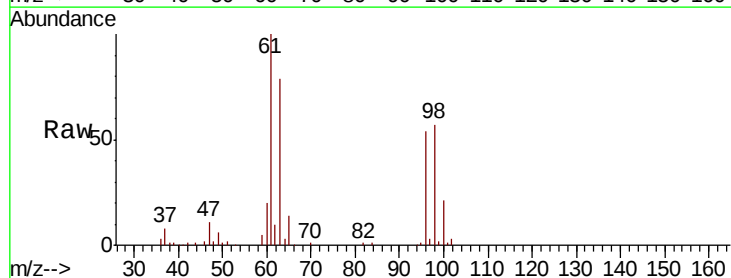
Tgt Ion: 96 Resp: 29145

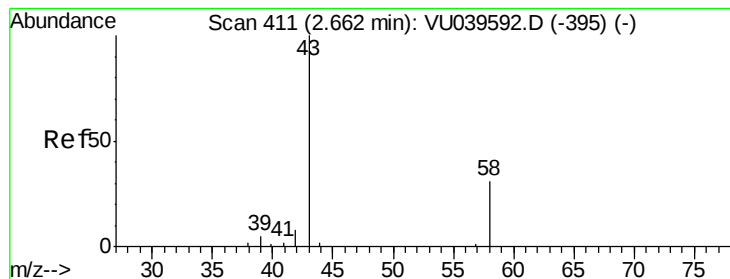
Ion Ratio Lower Upper

96 100

61 185.5 129.1 239.7

63 146.6 89.7 166.7





#13

Acetone

Concen: 2.535 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039607.D

Acq: 21 Jul 2020 19:15

Instrument :

MSVOA_U

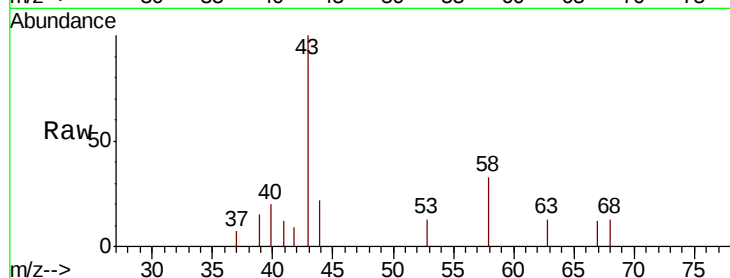
ClientSampled :

Tot Ion: 43 Resp: 3397

Ion Ratio Lower Upper

43 100

58 31.8 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-395) (-)

1500

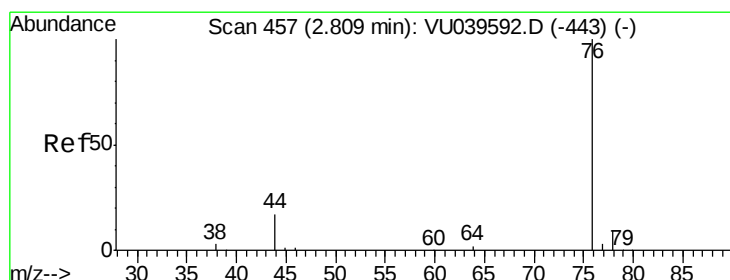
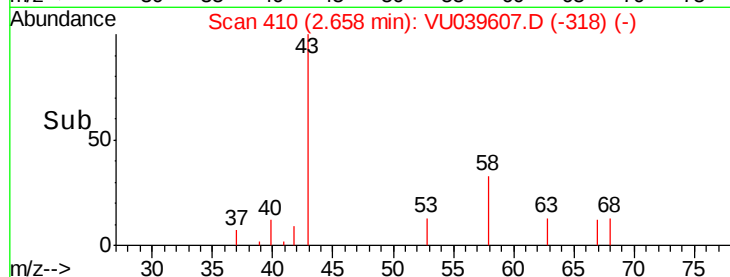
1000

500

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 0.072 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039607.D

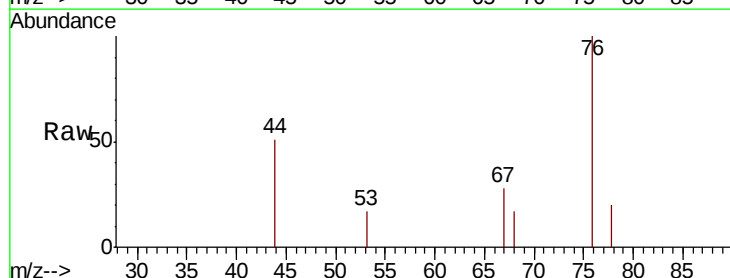
Acq: 21 Jul 2020 19:15

Tgt Ion: 76 Resp: 1183

Ion Ratio Lower Upper

76 100

78 20.1 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU039592.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039592.D (-443) (-)

600

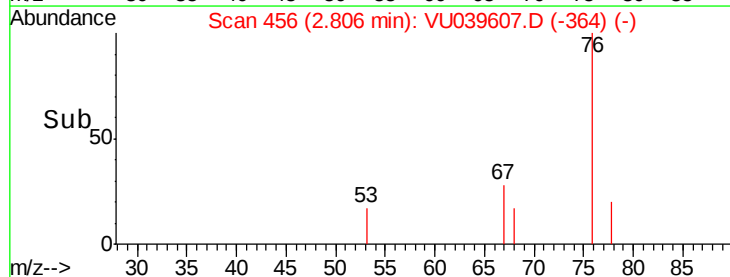
400

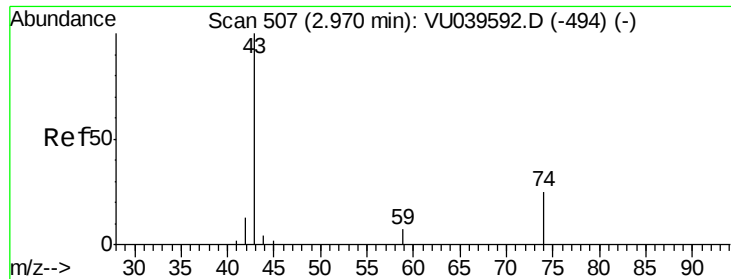
200

0

2.80 2.85

Time-->

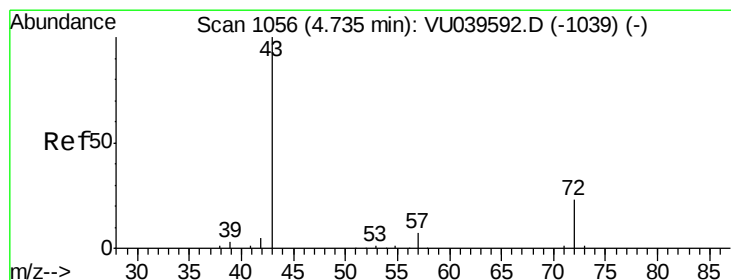
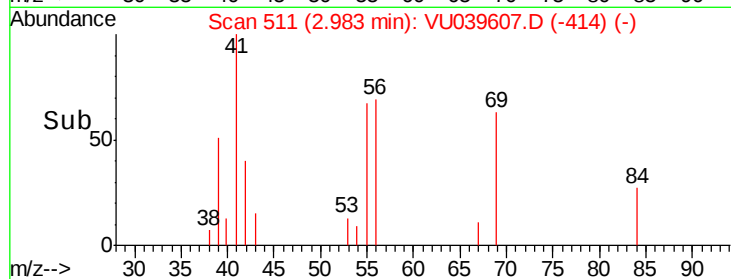
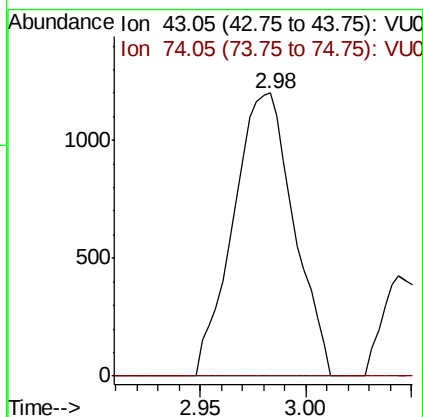
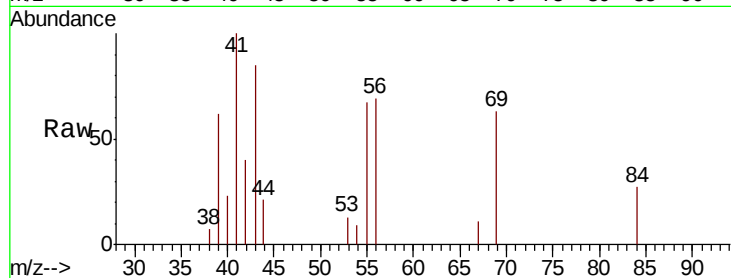




#15
Methyl Acetate
Concen: 0.734 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.01 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

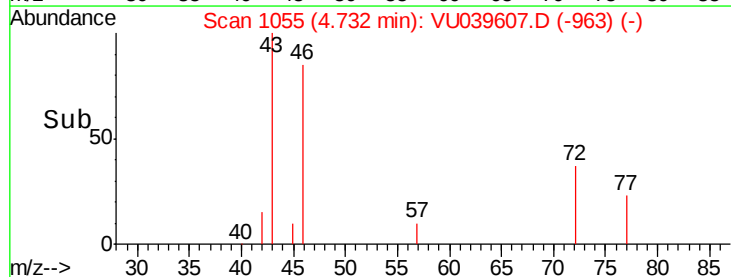
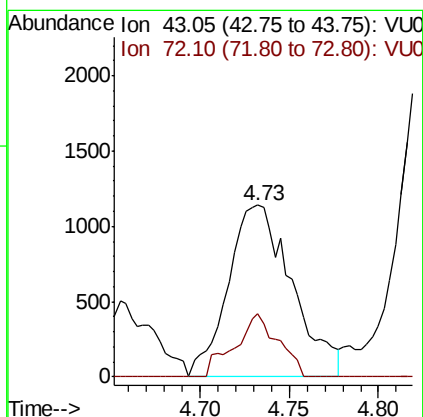
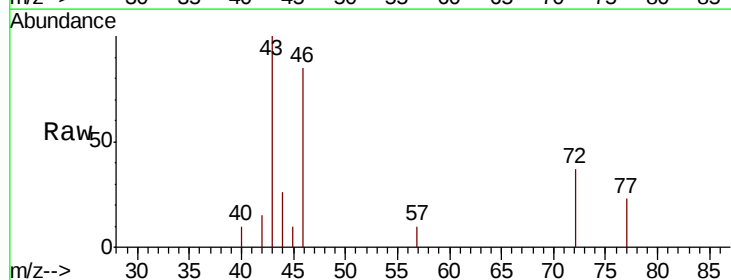
Instrument :
MSVOA_U
ClientSampleId :

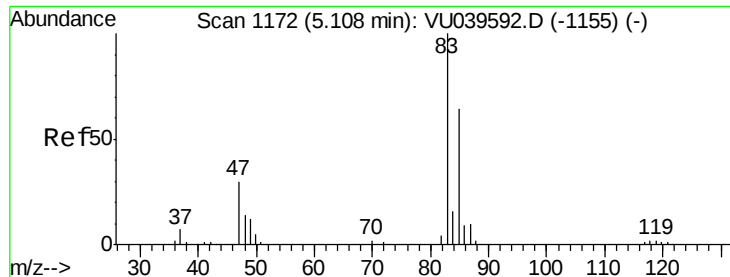
Tot Ion: 43 Resp: 2401
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#21
2-Butanone
Concen: 1.228 ug/L
RT: 4.73 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
72 24.9 12.2 36.4

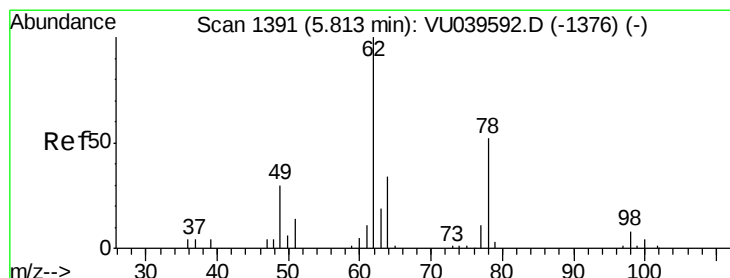
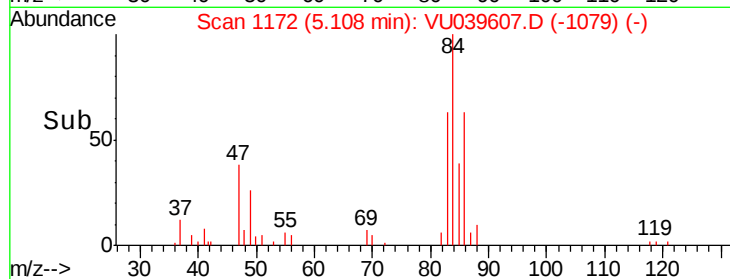
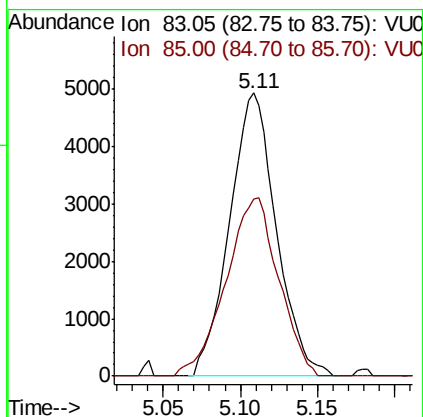
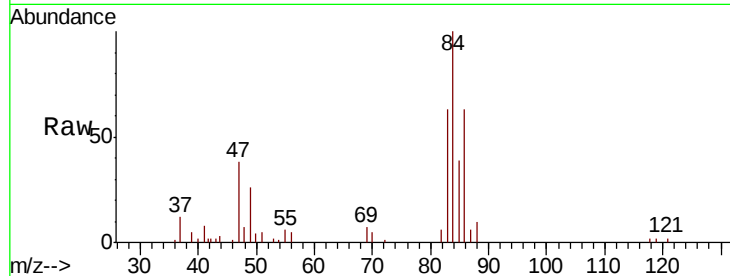




#25
Chloroform
Concen: 0.734 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

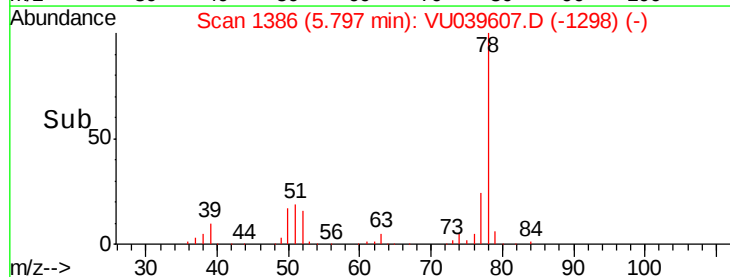
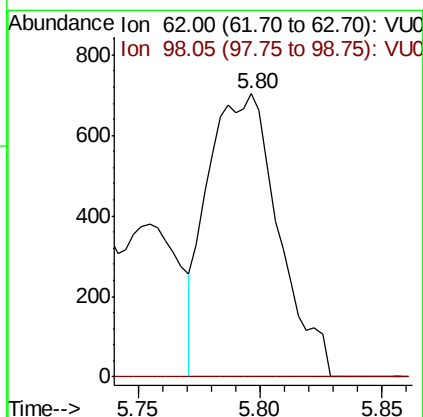
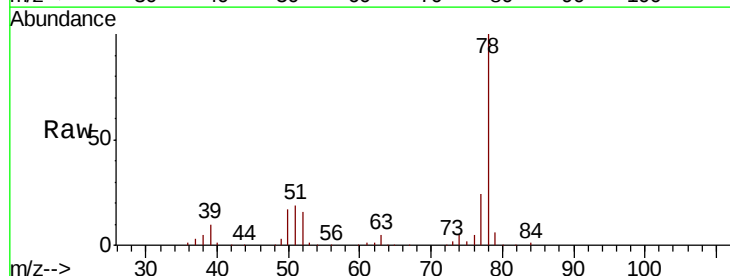
Instrument :
MSVOA_U
ClientSampled :

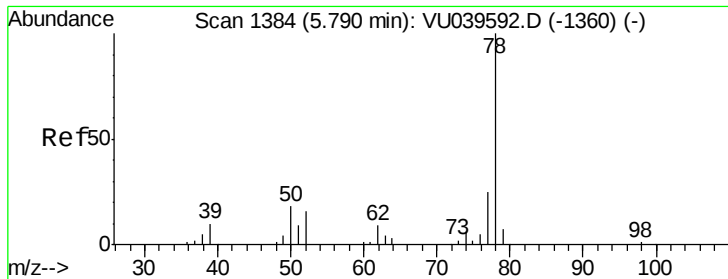
Tot Ion: 83 Resp: 10363
Ion Ratio Lower Upper
83 100
85 62.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.147 ug/L
RT: 5.80 min Scan# 1386
Delta R.T. -0.02 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Tgt Ion: 62 Resp: 1409
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

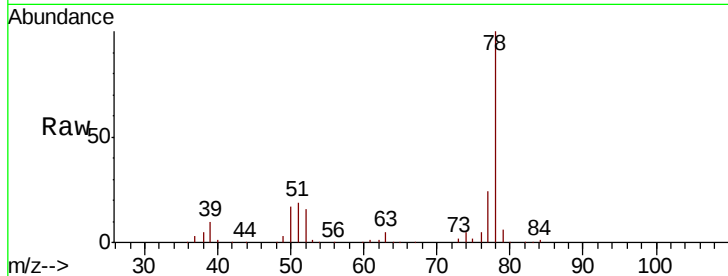




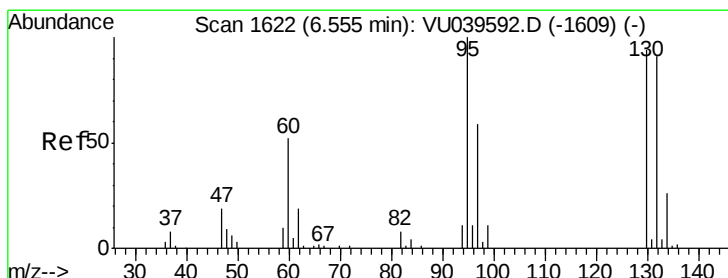
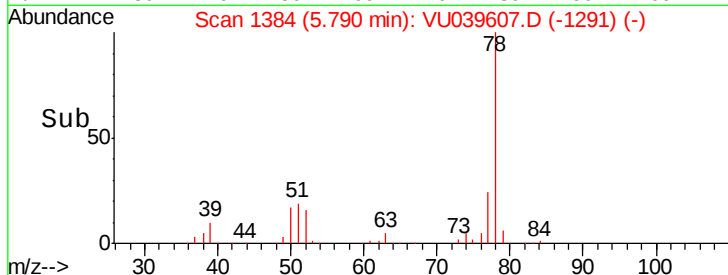
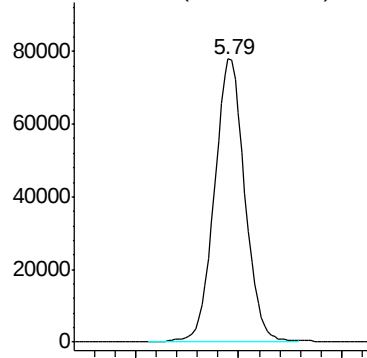
#33
Benzene
Concen: 6.087 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 158949



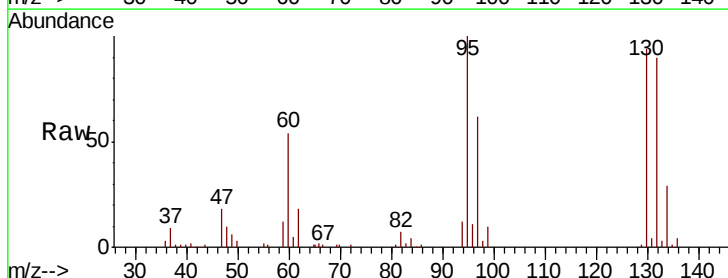
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 5.691 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

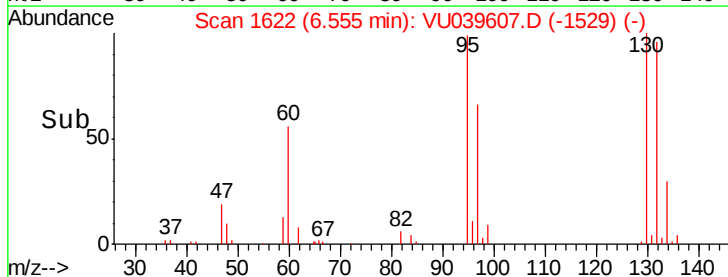
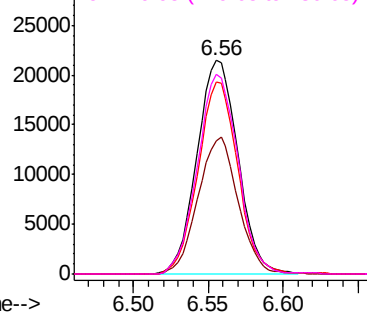
Tgt Ion: 95 Resp: 40925

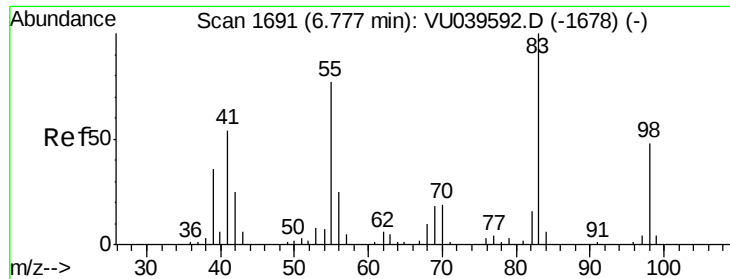
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.9	83.3
132	89.9	62.8	116.6
130	93.7	61.5	114.1



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

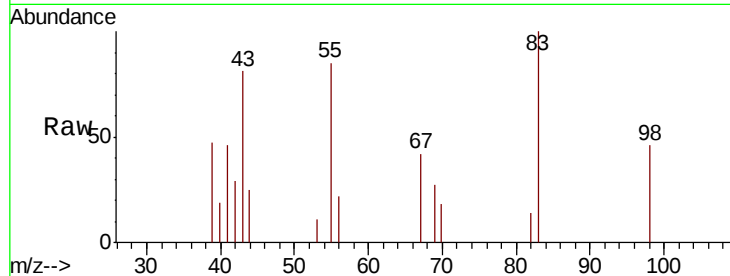




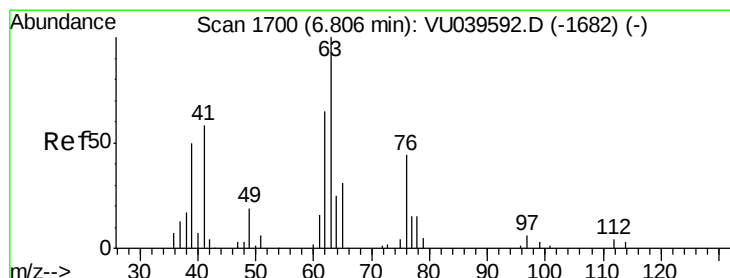
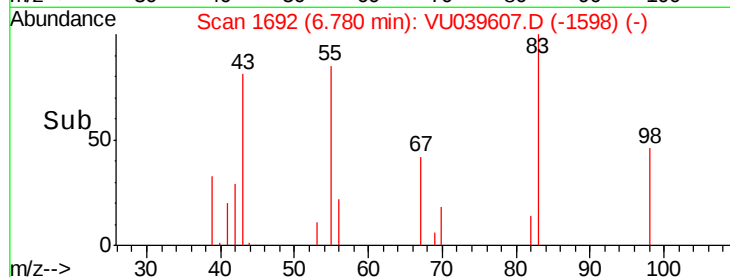
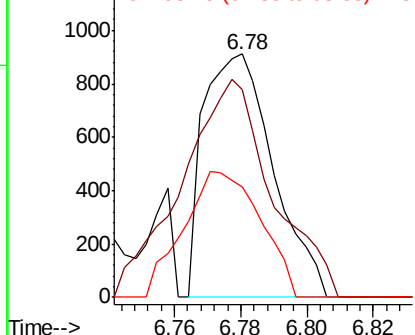
#35
Methylcyclohexane
Concen: 0.127 ug/L
RT: 6.78 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Instrument :
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ClientSampleId :

Tot Ion: 83 Resp: 1337
Ion Ratio Lower Upper
83 100
55 116.2 63.0 94.6#
98 56.8 35.3 52.9#

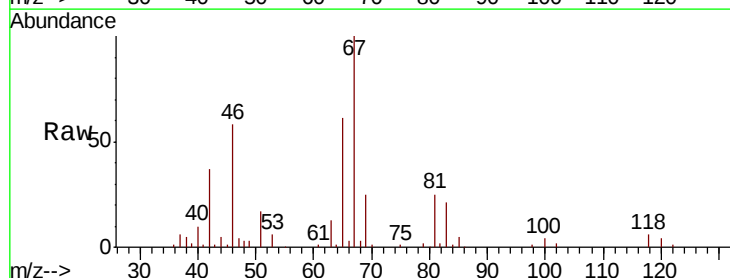


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

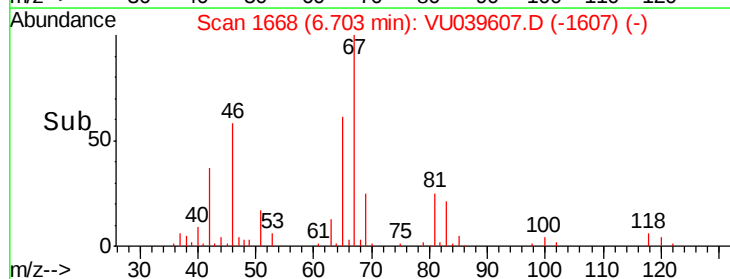
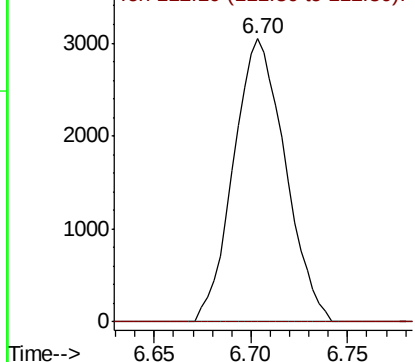


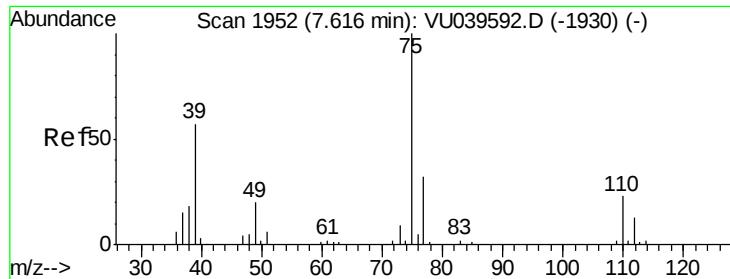
#37
1,2-Dichloropropane
Concen: 0.776 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Tgt Ion: 63 Resp: 5643
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

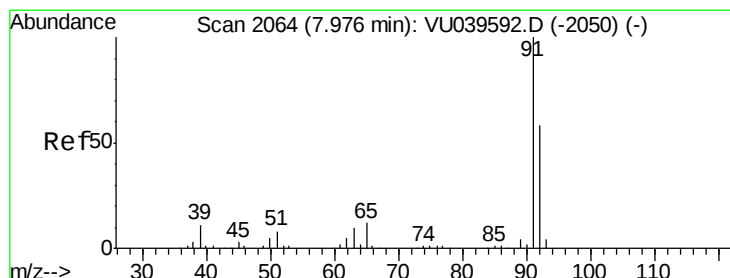
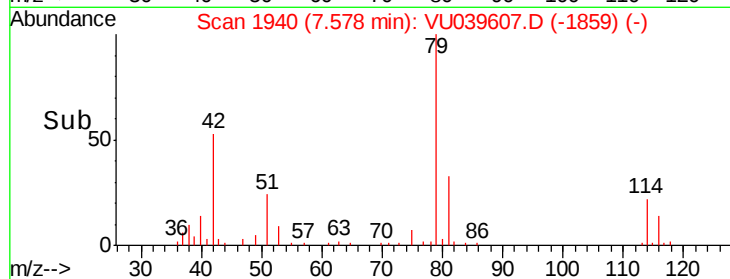
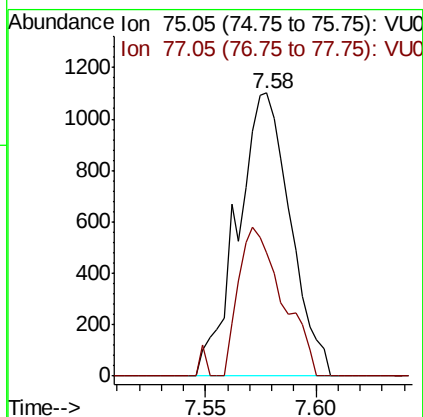
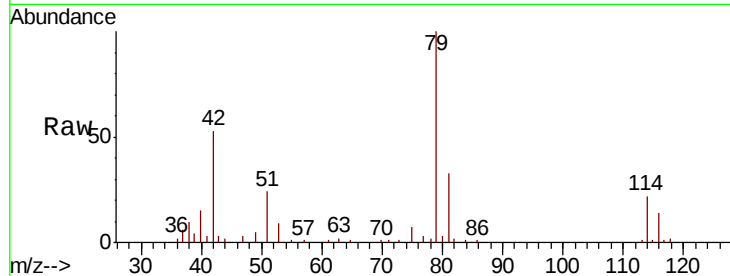




#39
 cis-1,3-Dichloropropene
 Concen: 0.175 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039607.D
 Acq: 21 Jul 2020 19:15

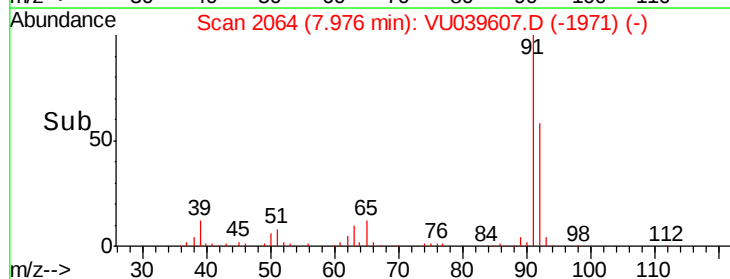
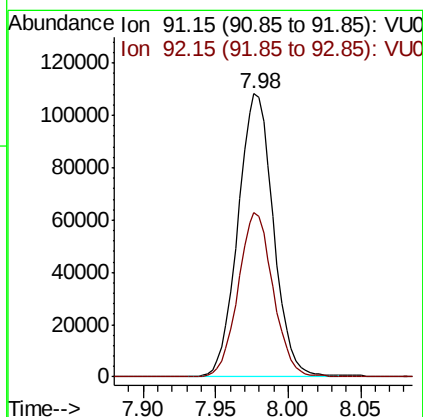
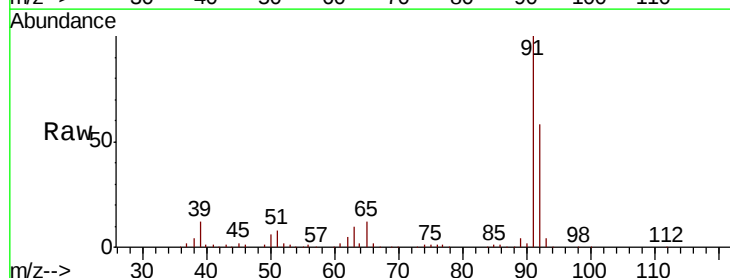
Instrument :
 MSVOA_U
 ClientSampleId :

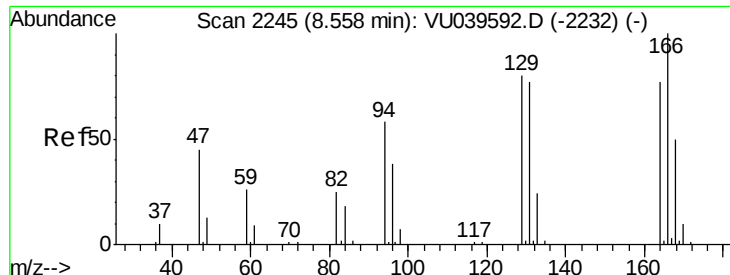
Tot Ion: 75 Resp: 1830
 Ion Ratio Lower Upper
 75 100
 77 43.8 23.2 43.0#



#42
 Toluene
 Concen: 6.438 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU039607.D
 Acq: 21 Jul 2020 19:15

Tgt Ion: 91 Resp: 184038
 Ion Ratio Lower Upper
 91 100
 92 58.1 38.6 71.6

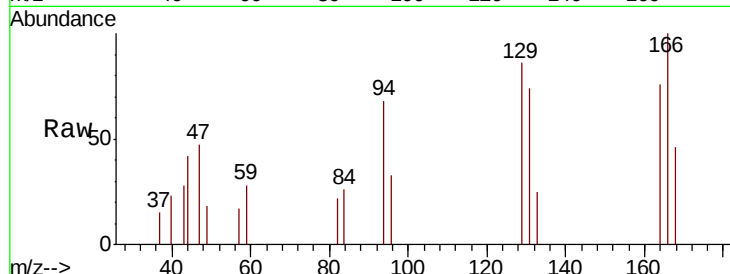




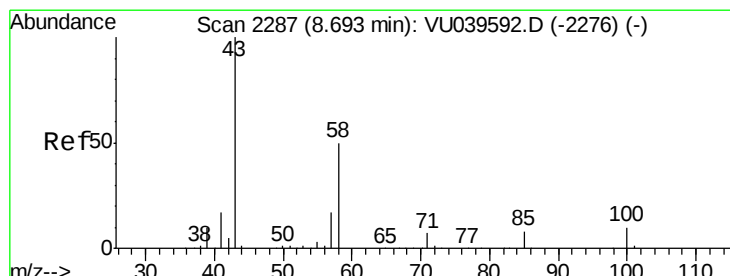
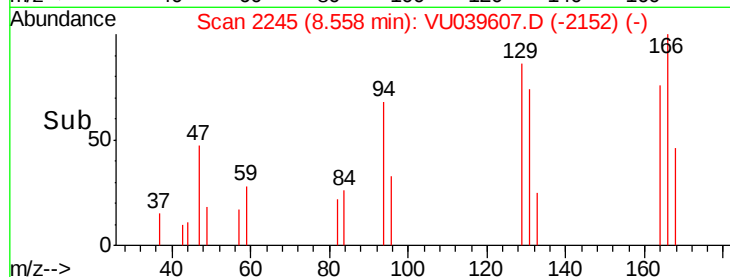
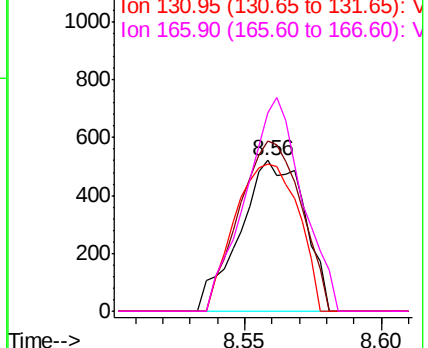
#47
Tetrachloroethene
Concen: 0.174 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 856
Ion Ratio Lower Upper
164 100
129 113.5 67.9 126.1
131 97.5 64.7 120.1
166 131.9 85.1 158.1

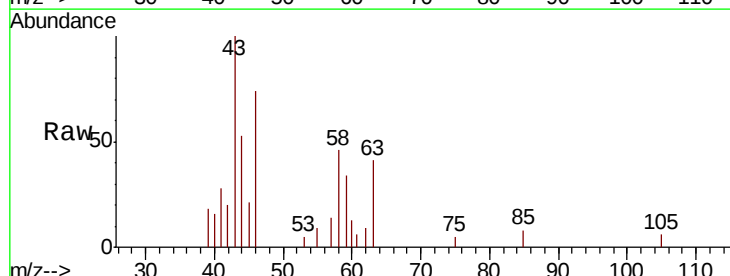


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

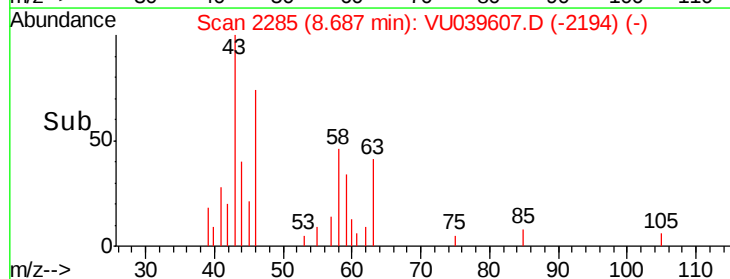
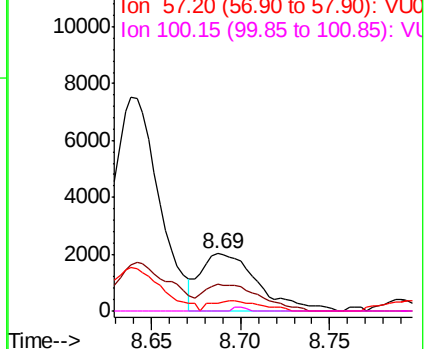


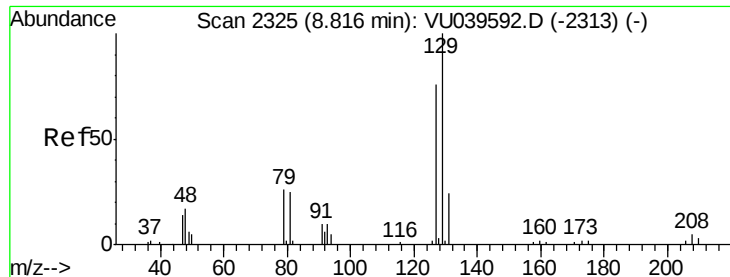
#48
2-Hexanone
Concen: 1.081 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Tgt Ion: 43 Resp: 4541
Ion Ratio Lower Upper
43 100
58 45.1 40.9 61.3
57 15.4 14.6 21.8
100 1.5 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.139 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039607.D

Acq: 21 Jul 2020 19:15

Instrument :

MSVOA_U

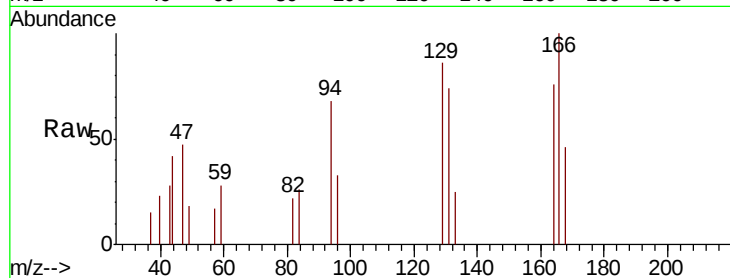
ClientSampled :

Tot Ion:129 Resp: 930

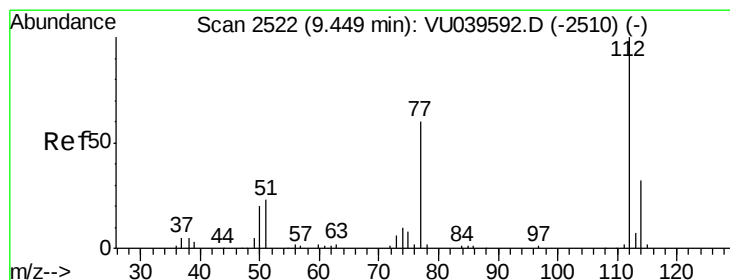
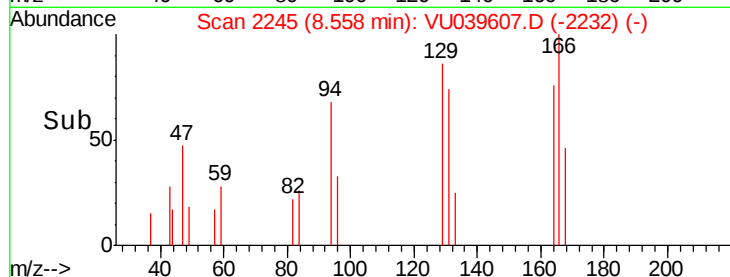
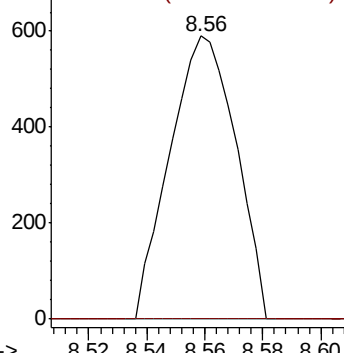
Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V



#51

Chlorobenzene

Concen: 5.647 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU039607.D

Acq: 21 Jul 2020 19:15

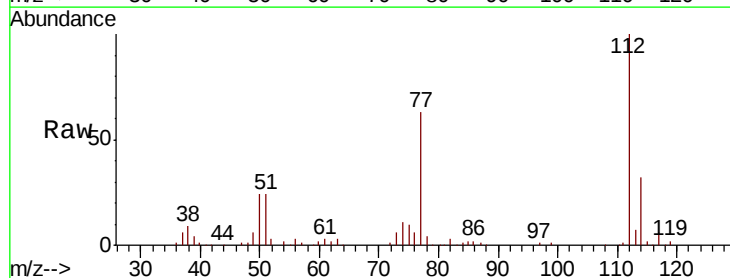
Tgt Ion:112 Resp: 103325

Ion Ratio Lower Upper

112 100

114 32.4 22.9 42.5

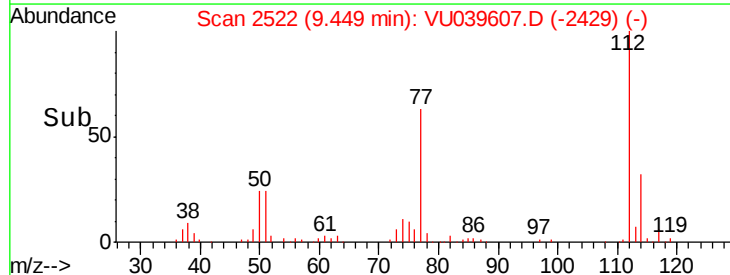
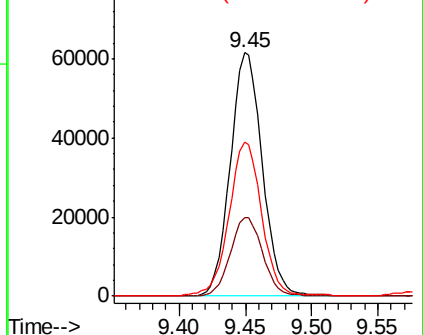
77 63.4 50.0 75.0

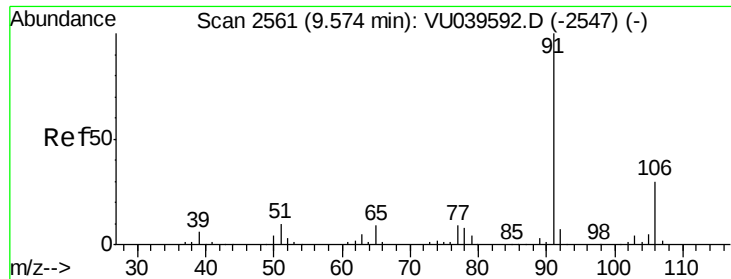


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 0.447 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039607.D

Acq: 21 Jul 2020 19:15

Instrument :

MSVOA_U

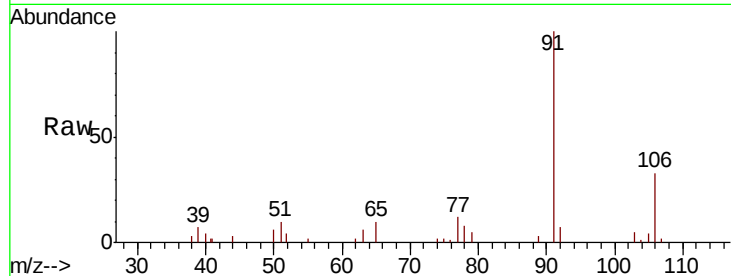
ClientSampleId :

Tot Ion: 91 Resp: 14525

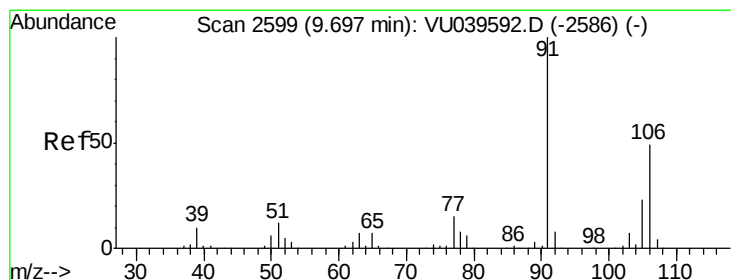
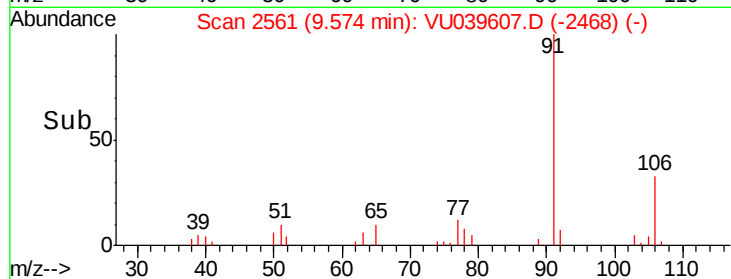
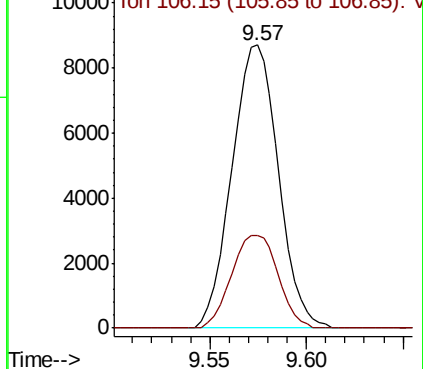
Ion Ratio Lower Upper

91 100

106 32.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039607.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.251 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039607.D

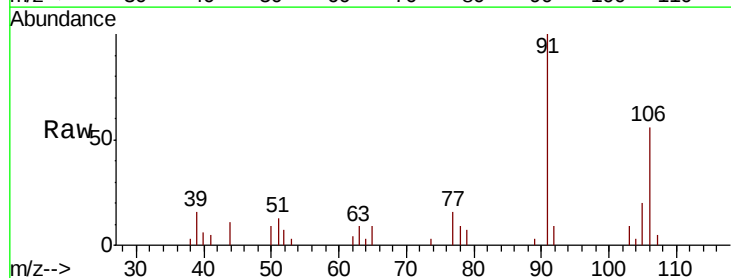
Acq: 21 Jul 2020 19:15

Tgt Ion: 106 Resp: 3051

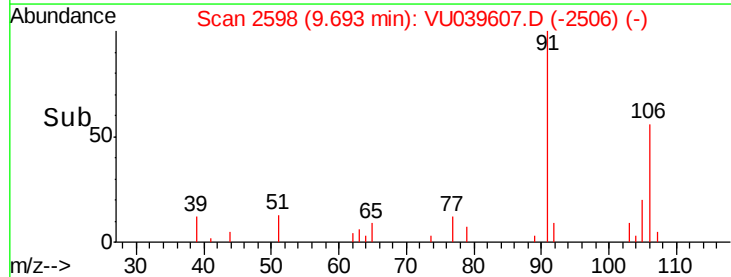
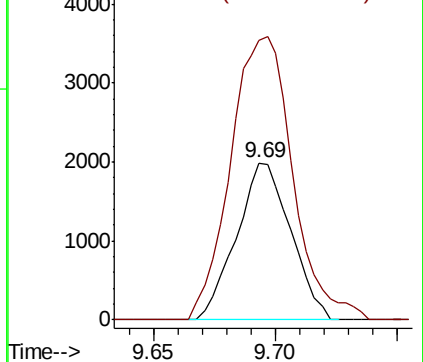
Ion Ratio Lower Upper

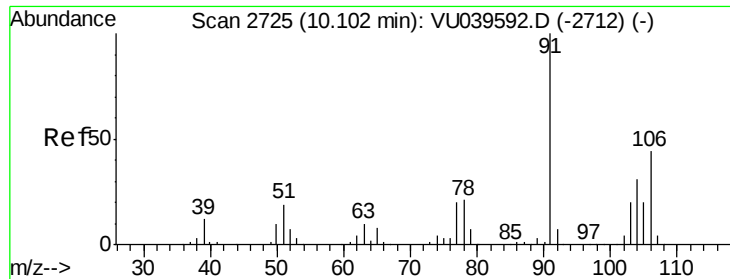
106 100

91 177.8 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039607.D (-2598) (-)

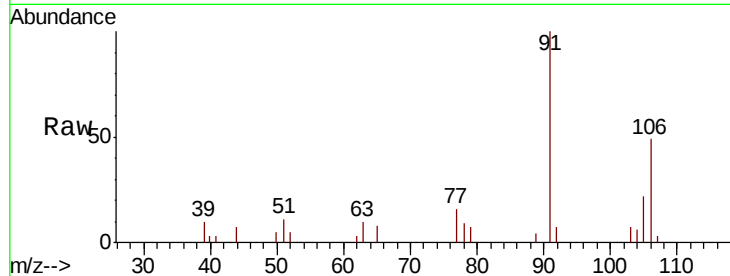




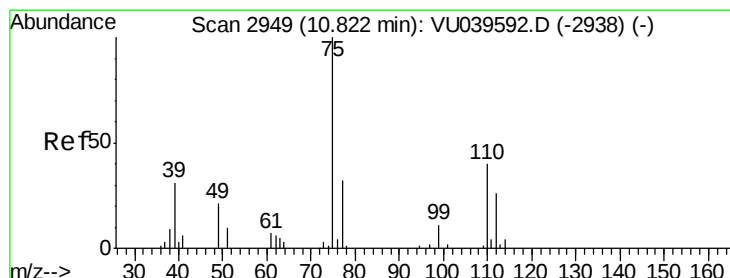
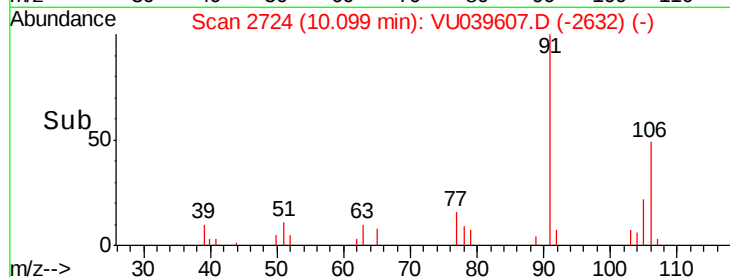
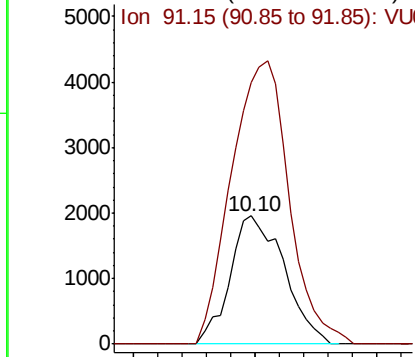
#54
o-Xylene
Concen: 0.254 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3011
Ion Ratio Lower Upper
106 100
91 203.8 157.4 292.4

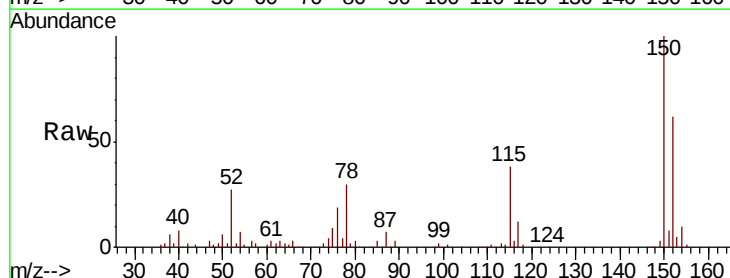


Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2712) (-)
Ion 91.15 (90.85 to 91.85): VU039592.D (-2712) (-)



#59
1,2,3-Trichloropropane
Concen: 1.470 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039607.D
Acq: 21 Jul 2020 19:15

Tgt Ion: 75 Resp: 7835
Ion Ratio Lower Upper
75 100
77 42.3 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU039592.D (-2938) (-)
Ion 77.00 (76.70 to 77.70): VU039592.D (-2938) (-)

