

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039418.D
 Acq On : 10 Jul 2020 01:06
 Operator : SY/MD
 Sample : L3261-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE505

Quant Time: Jul 10 02:05:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 02:02:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	100821	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	92010	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44028	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25089	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.93	69	27622	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.58	63	41264	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.66	46	154934	57.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.90%
24) Chloroform-d	5.09	84	66311	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.72	65	43542	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.75	84	124699	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.71	67	43995	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.91	98	108867	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
43) trans-1,3-Dichloropropene-	8.19	79	16983	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	116555	57.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.36%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	41811	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	44274	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	6332	1.066	ug/L	89
16) Methylene chloride	3.07	84	513	0.068	ug/L	81
17) Methyl tert-butyl Ether	3.39	73	12924	0.684	ug/L #	9
25) Chloroform	5.11	83	5463	0.417	ug/L	91
27) 1,2-Dichloroethane	5.78	62	2312	0.244	ug/L #	78
33) Benzene	5.79	78	223107	8.110	ug/L	100
35) Methylcyclohexane	6.71	83	9603	0.843	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5317	0.709	ug/L	99
42) Toluene	7.98	91	19924	0.676	ug/L	99
51) Chlorobenzene	9.45	112	87370	4.854	ug/L	98
52) Ethylbenzene	9.57	91	58184	1.787	ug/L	97
53) m,p-Xylene	9.69	106	6785	0.553	ug/L	89
54) o-Xylene	10.10	106	95006	7.956	ug/L	98
55) Styrene	10.10	104	5458	0.263	ug/L #	1
56) Isopropylbenzene	10.48	105	50908	1.576	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	685	0.124	ug/L #	1
62) 1,3-Dichlorobenzene	11.74	146	1408	0.102	ug/L	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 10 02:02:00 2020
Response via : Initial Calibration

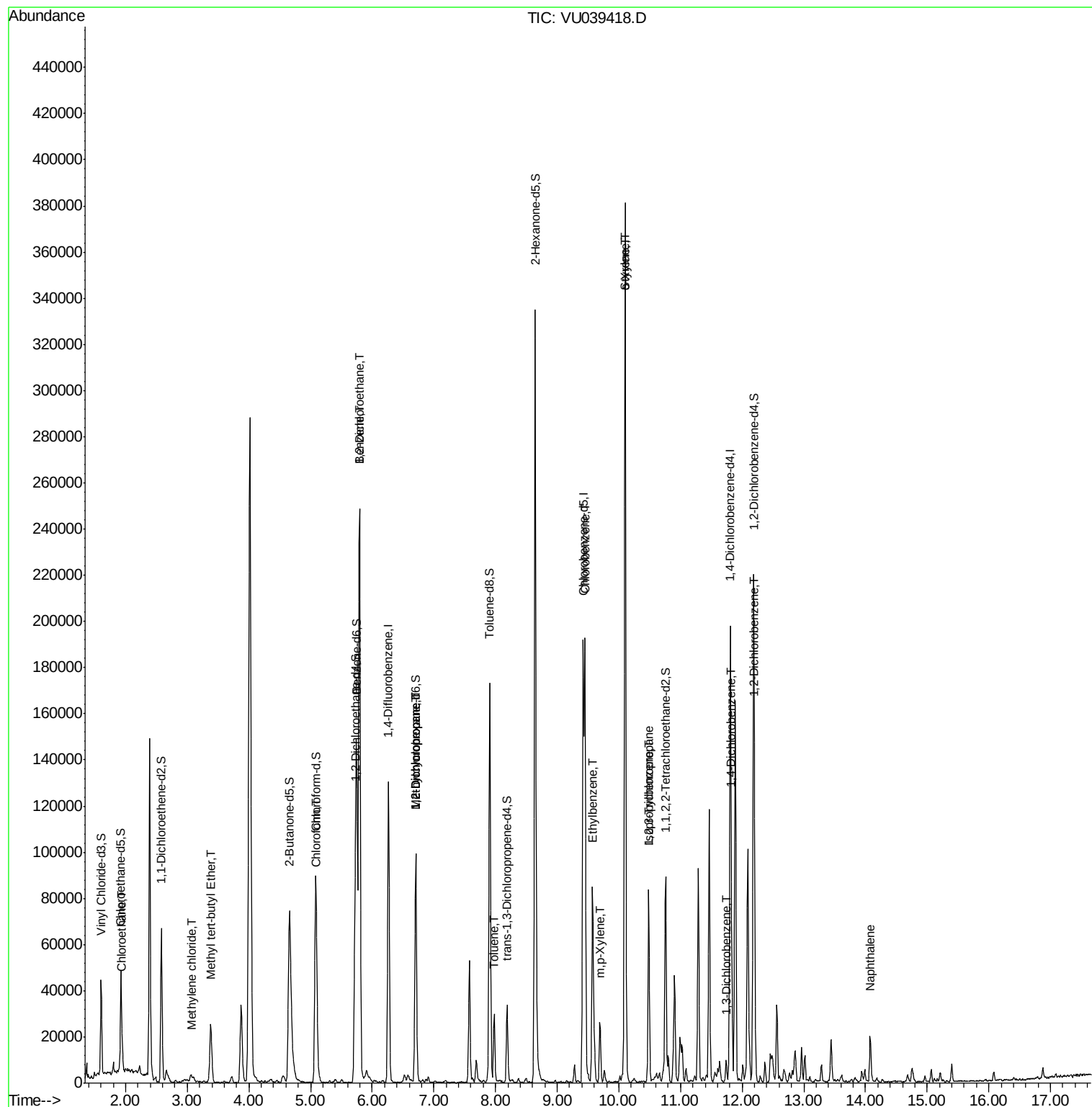
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.83	146	13209	0.954	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	9234	0.668	ug/L	95
69) Naphthalene	14.08	128	15058	0.847	ug/L	99

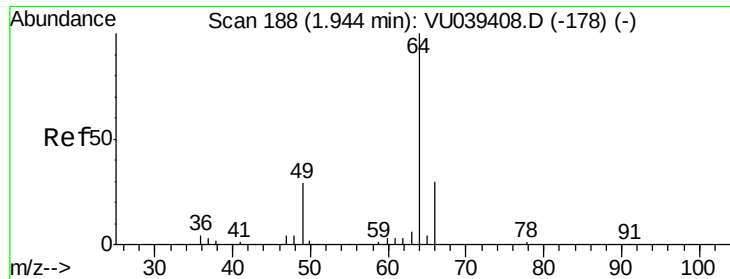
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.066 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

Instrument :

MSVOA_U

ClientSampleId :

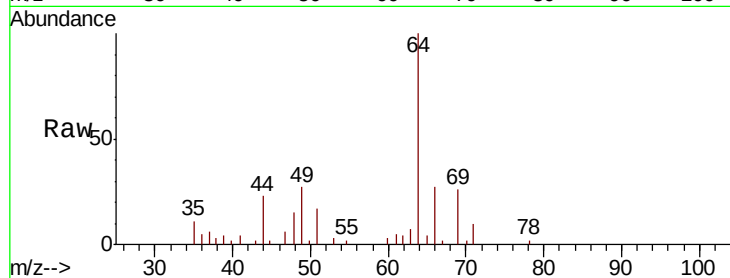
BE505

Tot Ion: 64 Resp: 6332

Ion Ratio Lower Upper

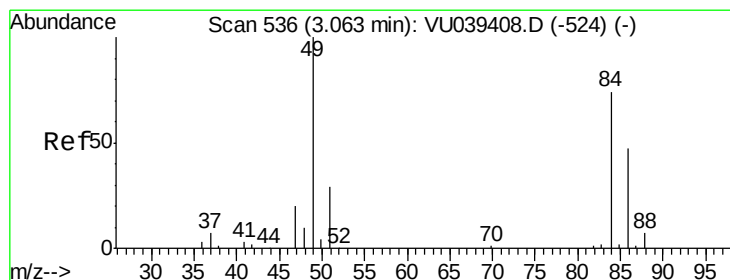
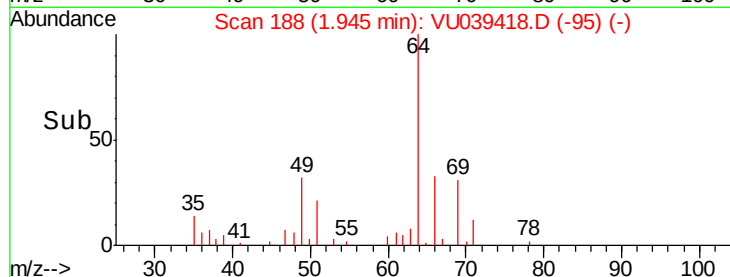
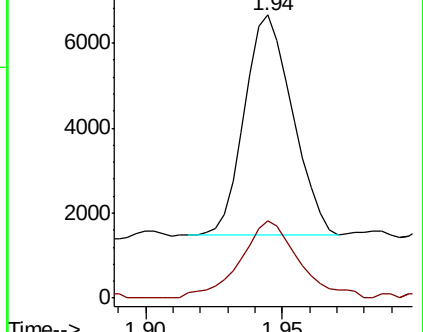
64 100

66 27.5 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039418.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU039418.D (-178) (-)



#16

Methylene chloride

Concen: 0.068 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

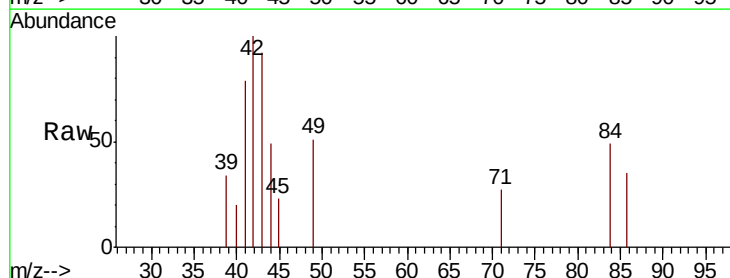
Tgt Ion: 84 Resp: 513

Ion Ratio Lower Upper

84 100

86 70.6 43.5 80.9

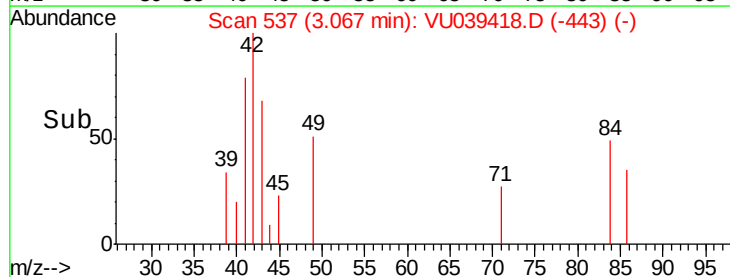
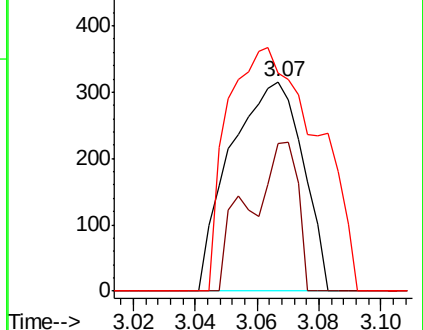
49 104.1 91.1 169.1

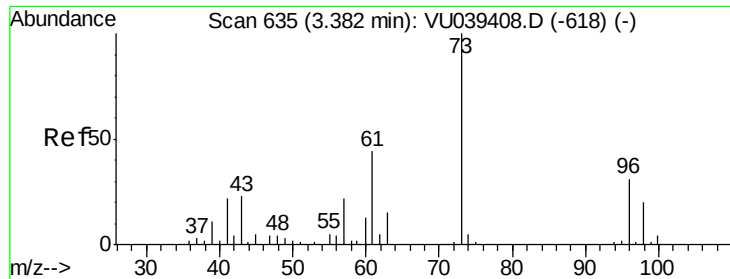


Abundance Ion 84.05 (83.75 to 84.75): VU039418.D (-524) (-)

Ion 86.00 (85.70 to 86.70): VU039418.D (-524) (-)

Ion 49.10 (48.80 to 49.80): VU039418.D (-524) (-)

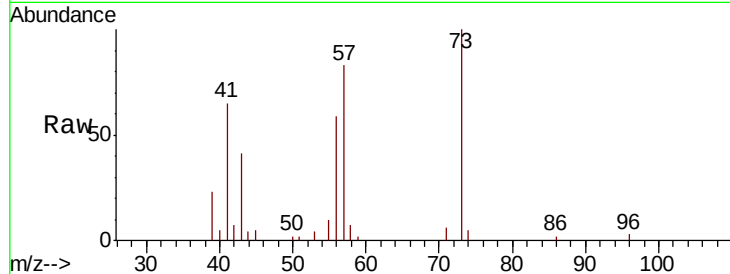




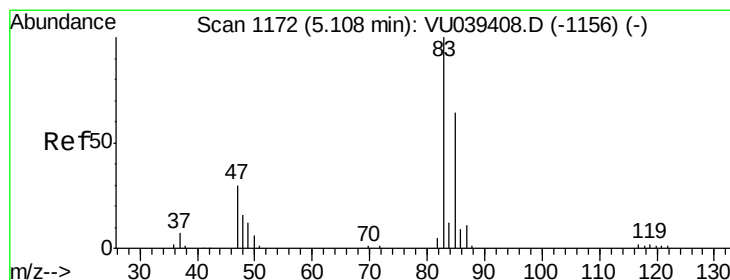
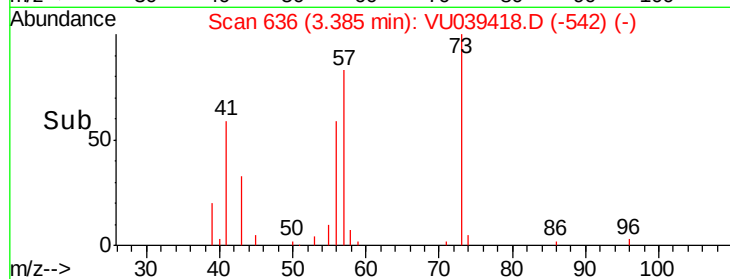
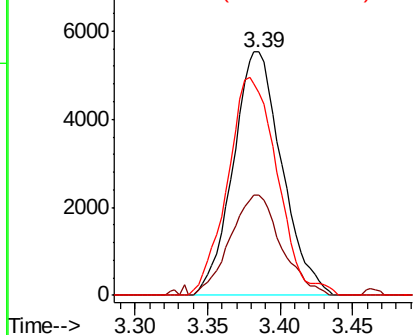
#17
Methyl tert-butyl Ether
Concen: 0.684 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039418.D
Acq: 10 Jul 2020 01:06

Instrument :
MSVOA_U
ClientSampleId :
BE505

Tot Ion: 73 Resp: 12924
Ion Ratio Lower Upper
73 100
43 43.1 18.6 28.0#
57 91.4 17.9 26.9#

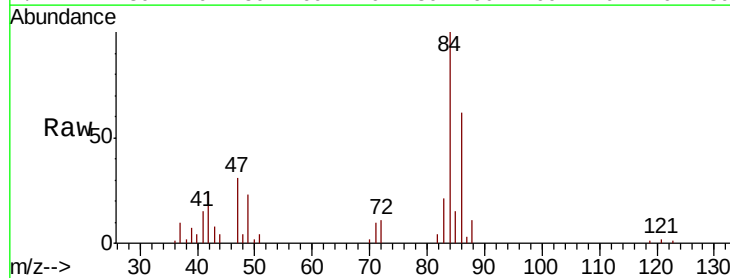


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

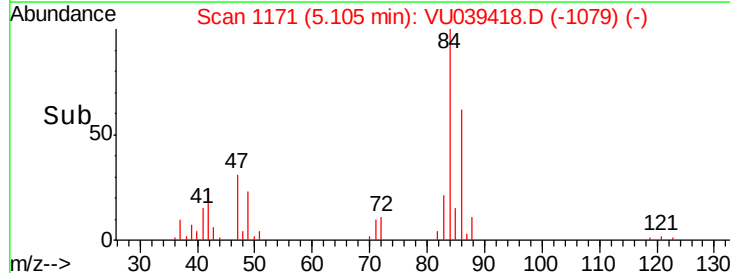
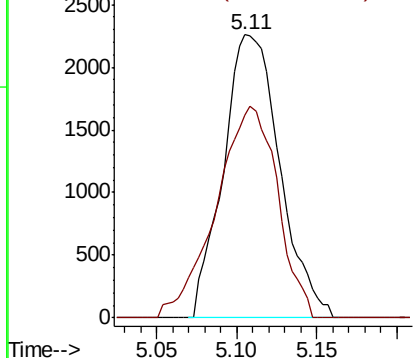


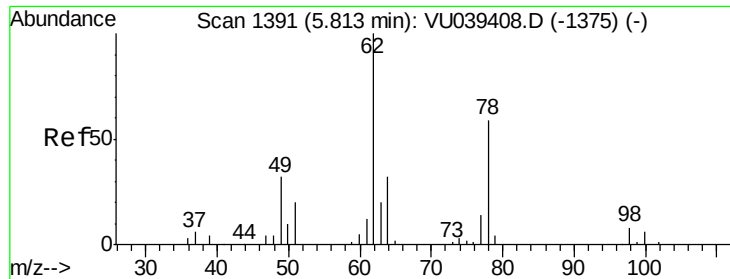
#25
Chloroform
Concen: 0.417 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039418.D
Acq: 10 Jul 2020 01:06

Tgt Ion: 83 Resp: 5463
Ion Ratio Lower Upper
83 100
85 71.4 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

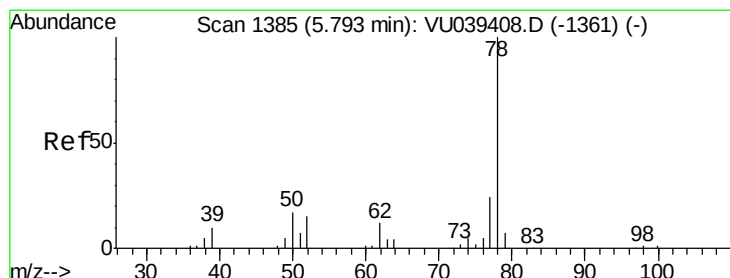
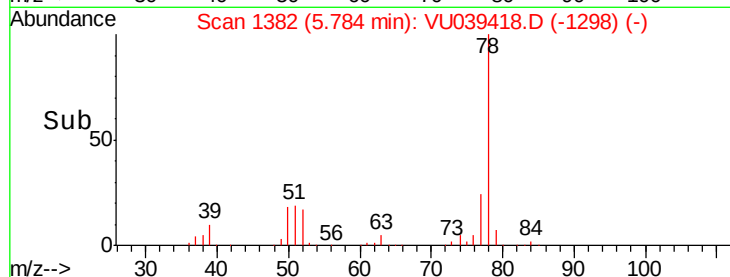
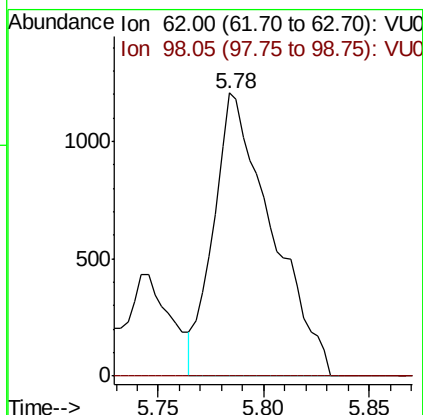
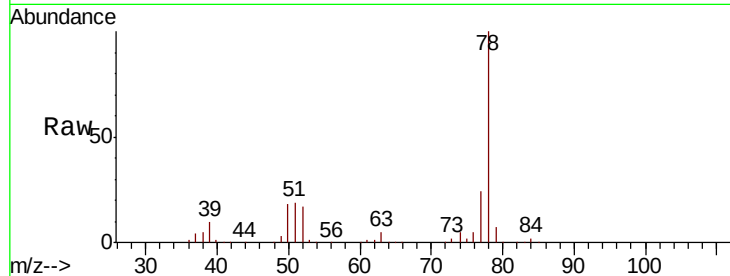




#27
 1,2-Dichloroethane
 Concen: 0.244 ug/L
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.03 min
 Lab File: VU039418.D
 Acq: 10 Jul 2020 01:06

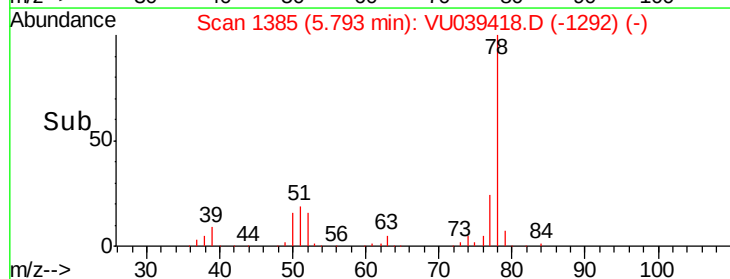
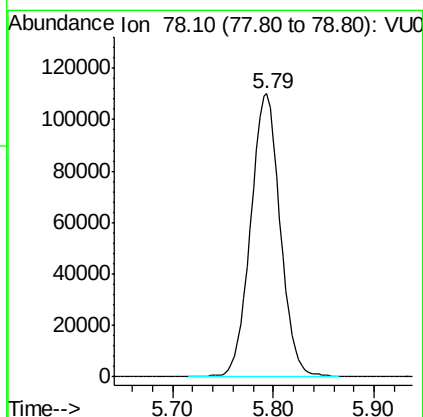
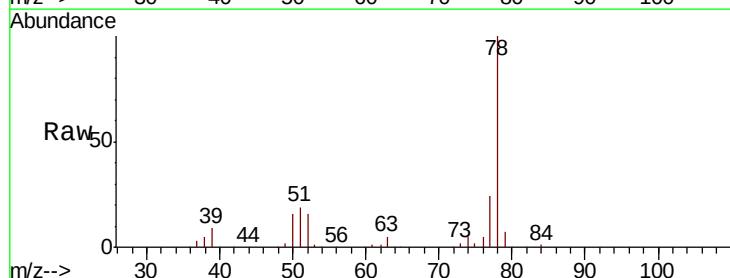
Instrument :
 MSVOA_U
 ClientSampleId :
 BE505

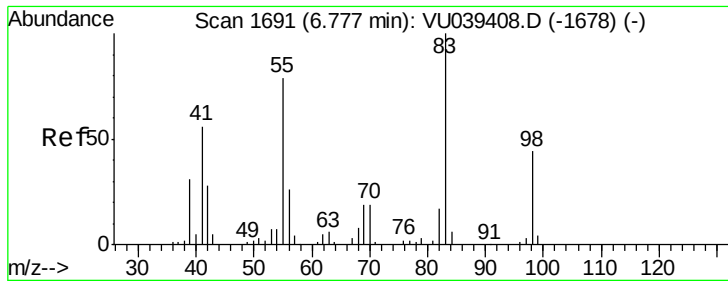
Tot Ion: 62 Resp: 2312
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



#33
 Benzene
 Concen: 8.110 ug/L
 RT: 5.79 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VU039418.D
 Acq: 10 Jul 2020 01:06

Tgt Ion: 78 Resp: 223107

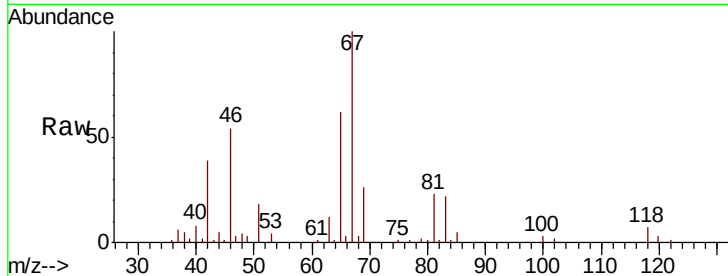




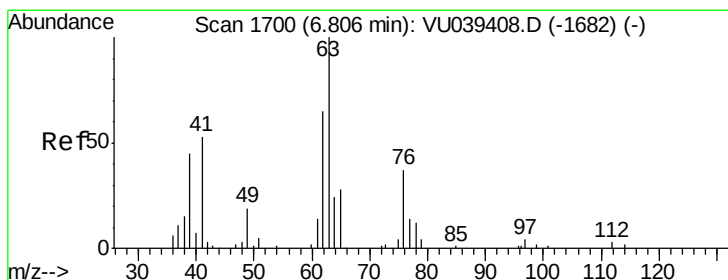
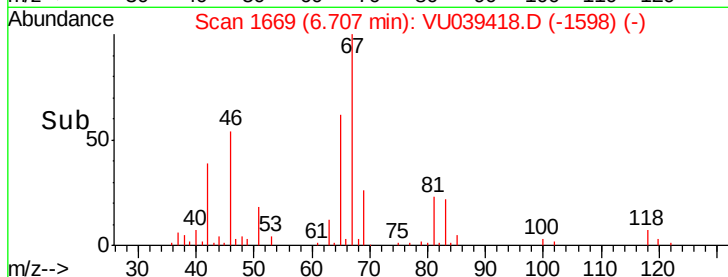
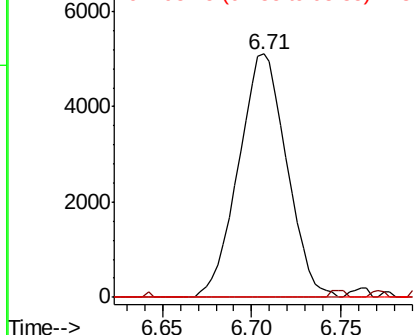
#35
Methvlcvclohexane
Concen: 0.843 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039418.D
Acq: 10 Jul 2020 01:06

Instrument :
MSVOA_U
ClientSampleId :
BE505

Tot Ion: 83 Resp: 9603
Ion Ratio Lower Upper
83 100
55 0.9 62.1 93.1#
98 0.0 35.9 53.9#

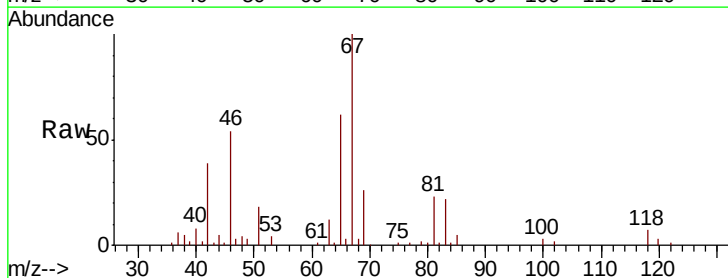


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

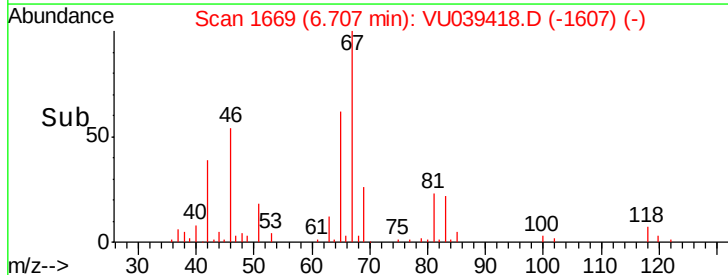
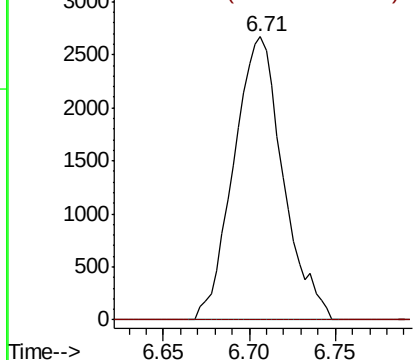


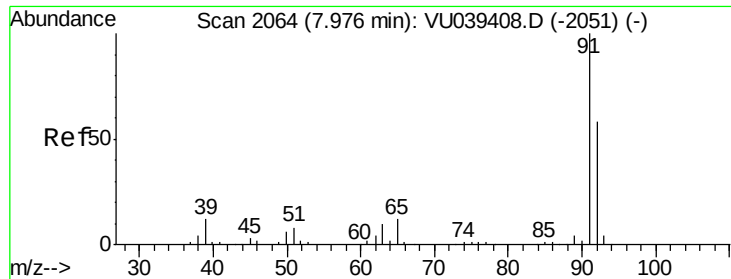
#37
1,2-Dichloropropane
Concen: 0.709 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039418.D
Acq: 10 Jul 2020 01:06

Tgt Ion: 63 Resp: 5317
Ion Ratio Lower Upper
63 100
112 2.7 2.5 3.7



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





#42

Toluene

Concen: 0.676 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

Instrument :

MSVOA_U

ClientSampleId :

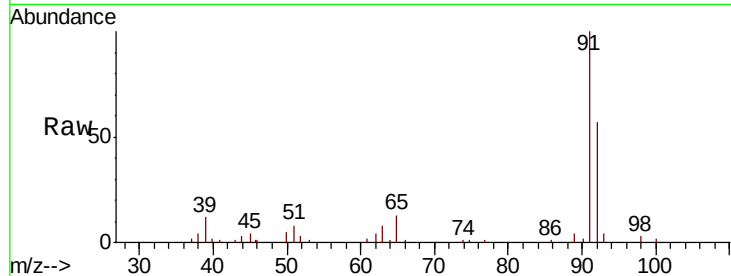
BE505

Tot Ion: 91 Resp: 19924

Ion Ratio Lower Upper

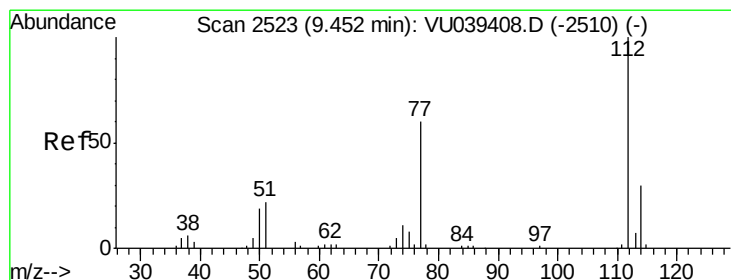
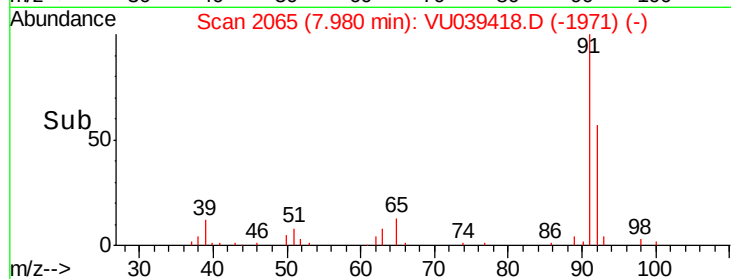
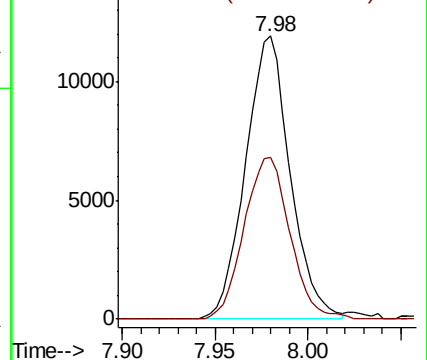
91 100

92 57.1 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039418.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039418.D (-2051) (-)



#51

Chlorobenzene

Concen: 4.854 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

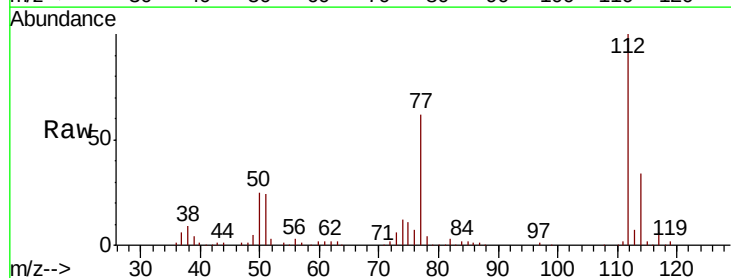
Tgt Ion: 112 Resp: 87370

Ion Ratio Lower Upper

112 100

114 34.0 22.1 41.1

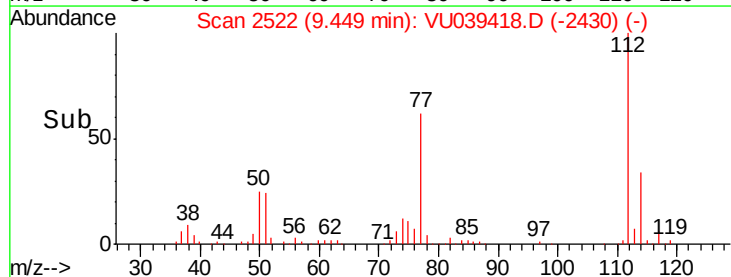
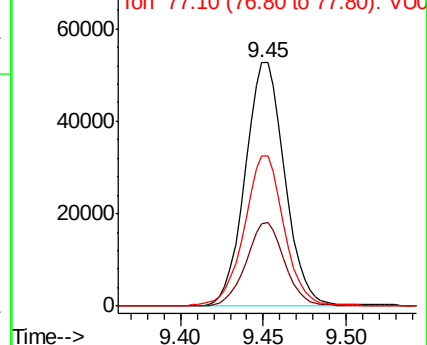
77 61.8 49.9 74.9

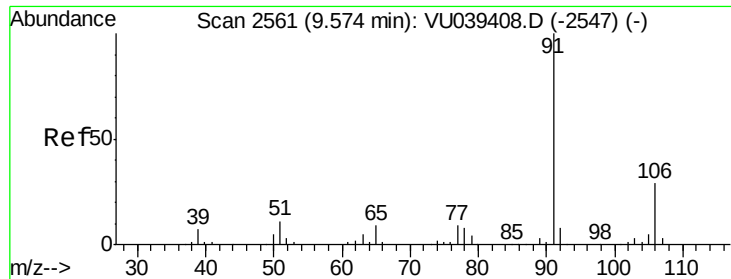


Abundance Ion 112.10 (111.80 to 112.80): VU039418.D (-2510) (-)

Ion 114.05 (113.75 to 114.75): VU039418.D (-2510) (-)

Ion 77.10 (76.80 to 77.80): VU039418.D (-2510) (-)





#52

Ethylbenzene

Concen: 1.787 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

Instrument :

MSVOA_U

ClientSampleID :

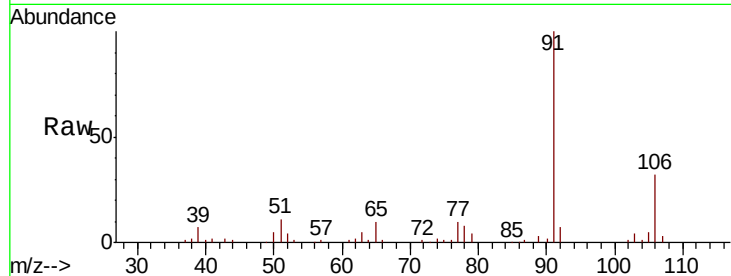
BE505

Tot Ion: 91 Resp: 58184

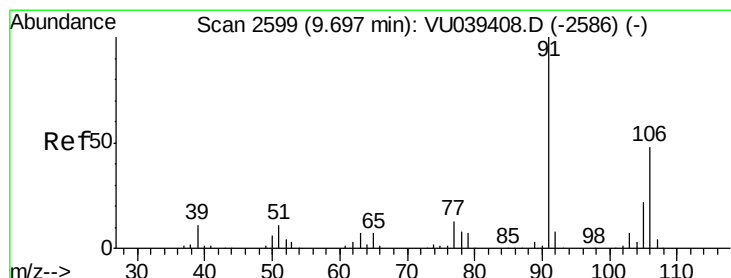
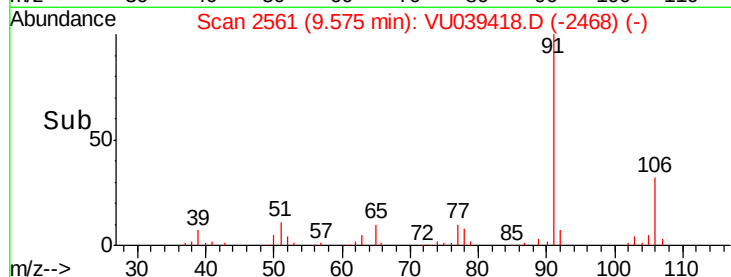
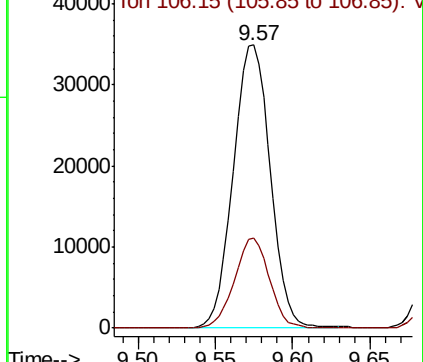
Ion Ratio Lower Upper

91 100

106 31.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039418.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.553 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039418.D

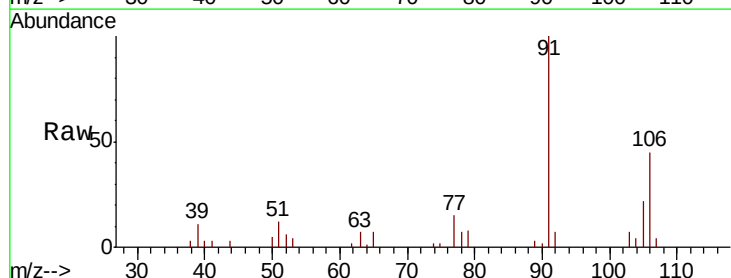
Acq: 10 Jul 2020 01:06

Tgt Ion: 106 Resp: 6785

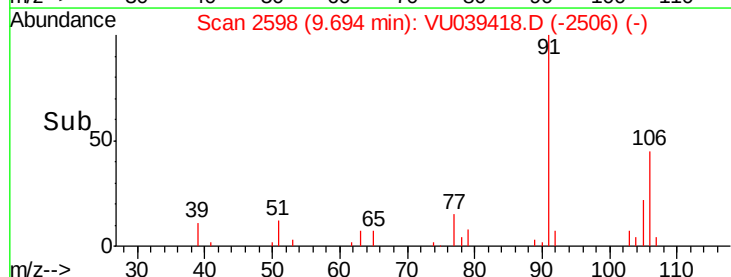
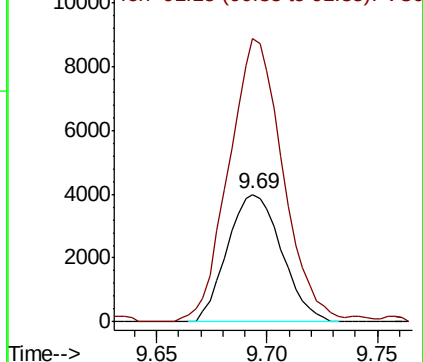
Ion Ratio Lower Upper

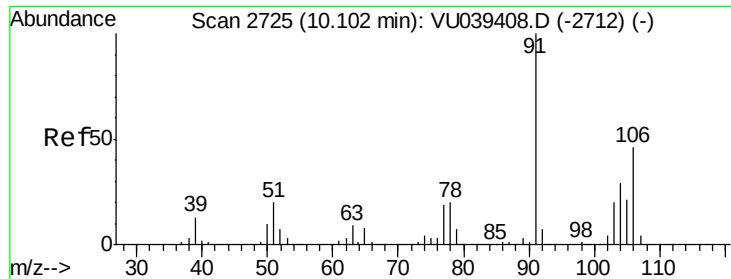
106 100

91 222.0 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039418.D (-2598) (-)

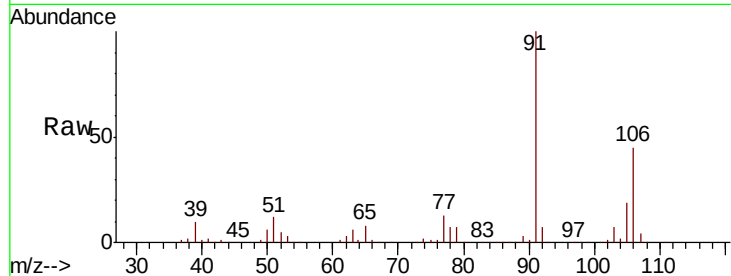




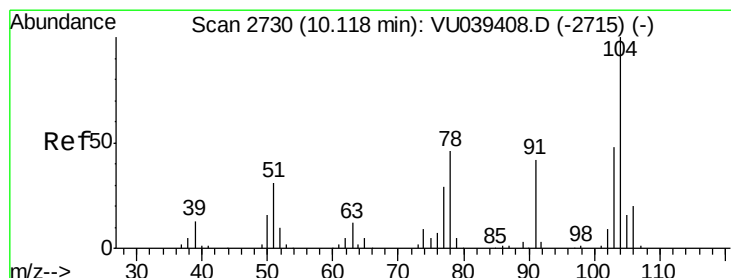
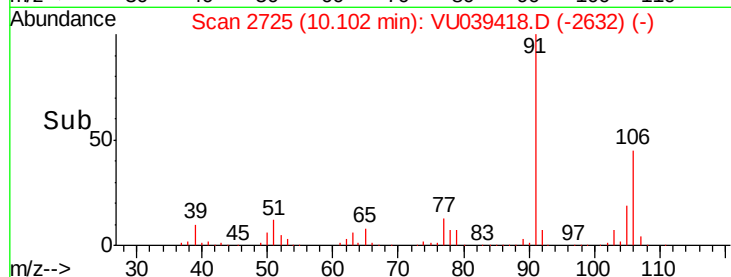
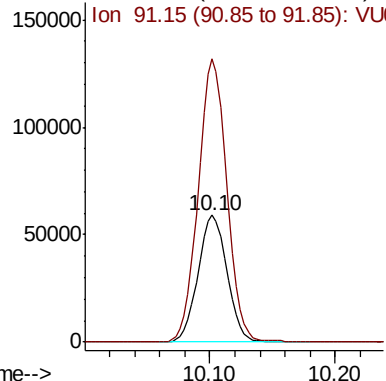
#54
o-Xylene
Concen: 7.956 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039418.D
Acq: 10 Jul 2020 01:06

Instrument :
MSVOA_U
ClientSampled :
BE505

Tot Ion:106 Resp: 95006
Ion Ratio Lower Upper
106 100
91 223.6 154.6 287.2

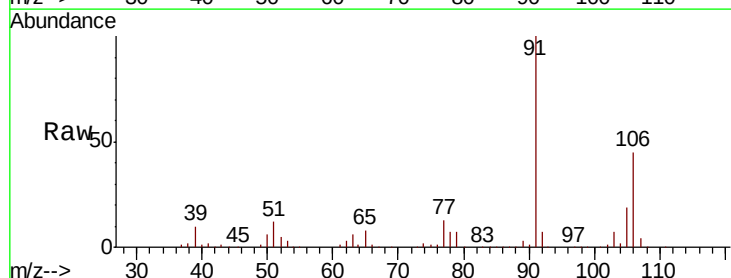


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

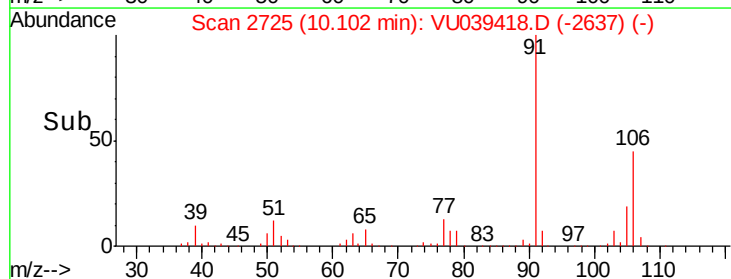
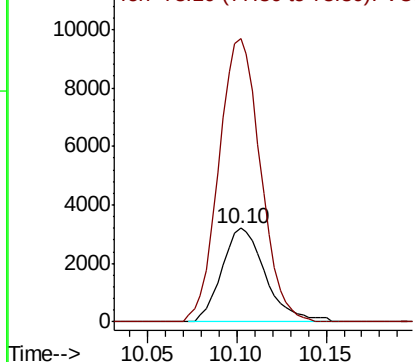


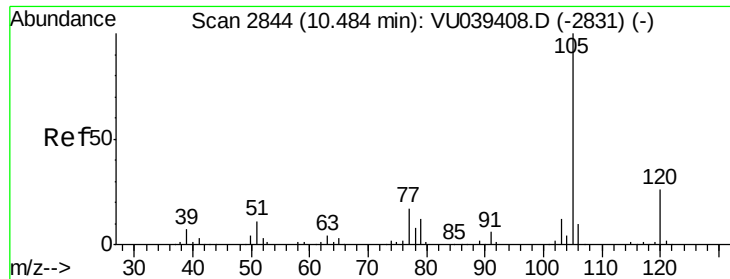
#55
Styrene
Concen: 0.263 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.02 min
Lab File: VU039418.D
Acq: 10 Jul 2020 01:06

Tgt Ion:104 Resp: 5458
Ion Ratio Lower Upper
104 100
78 302.5 33.1 61.5#



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





#56

Isopropylbenzene

Concen: 1.576 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

Instrument :

MSVOA_U

ClientSampleId :

BE505

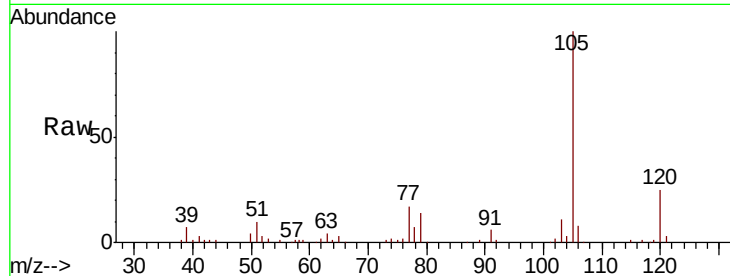
Tot Ion:105 Resp: 50908

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

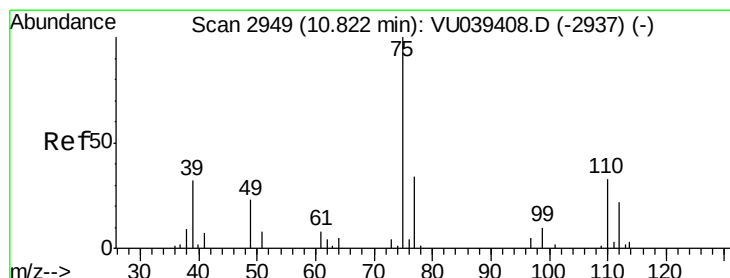
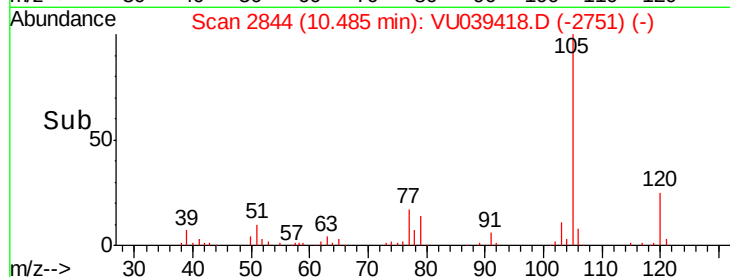
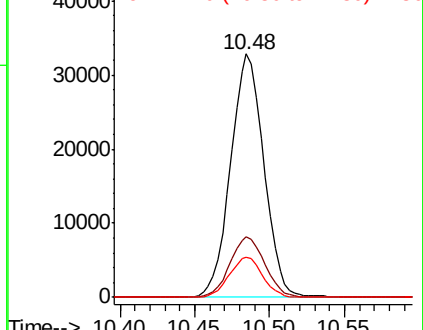
77 16.4 13.9 20.9



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.124 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.34 min

Lab File: VU039418.D

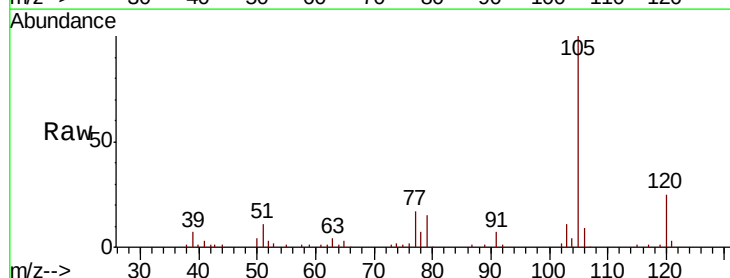
Acq: 10 Jul 2020 01:06

Tgt Ion: 75 Resp: 685

Ion Ratio Lower Upper

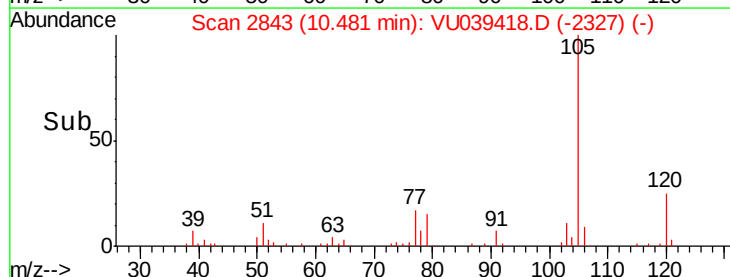
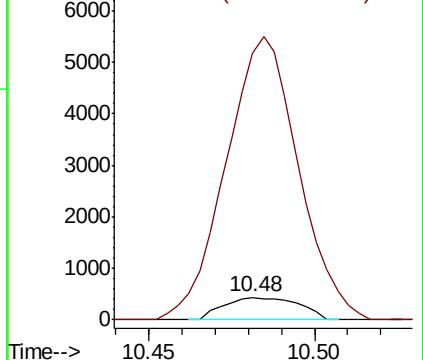
75 100

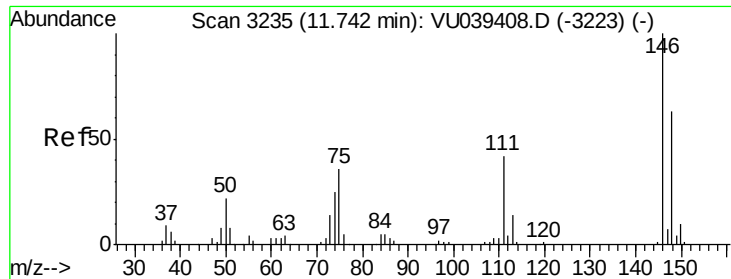
77 1220.4 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 0.102 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

Instrument :

MSVOA_U

ClientSampleId :

BE505

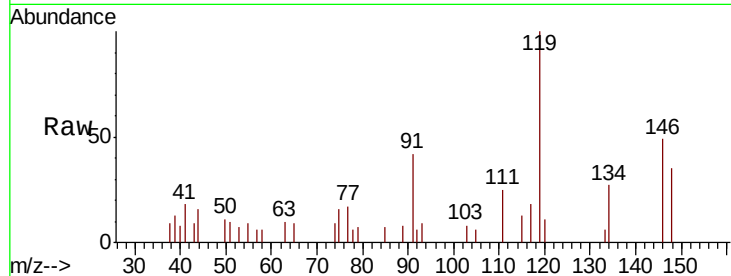
Tot Ion:146 Resp: 1408

Ion Ratio Lower Upper

146 100

111 51.5 29.0 53.8

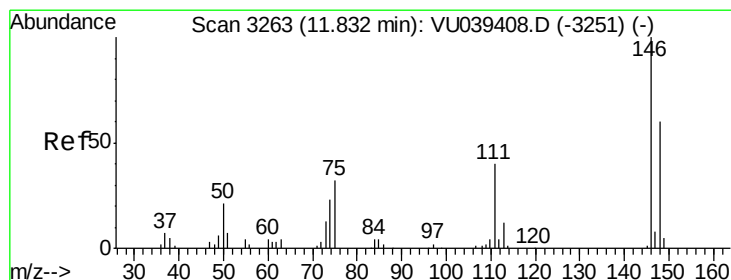
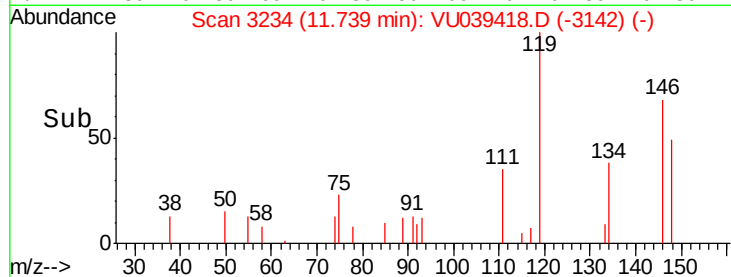
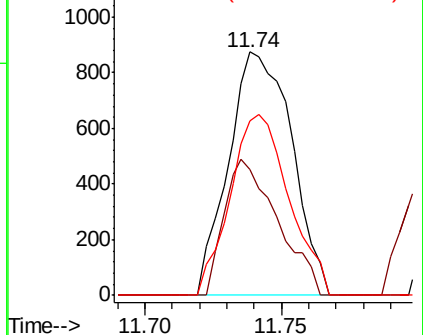
148 71.7 43.5 80.9



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: 0.954 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039418.D

Acq: 10 Jul 2020 01:06

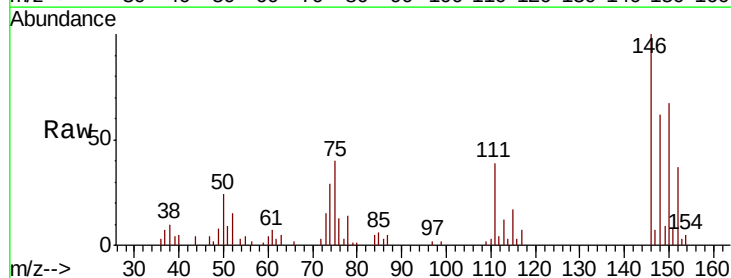
Tgt Ion:146 Resp: 13209

Ion Ratio Lower Upper

146 100

111 38.7 28.6 53.0

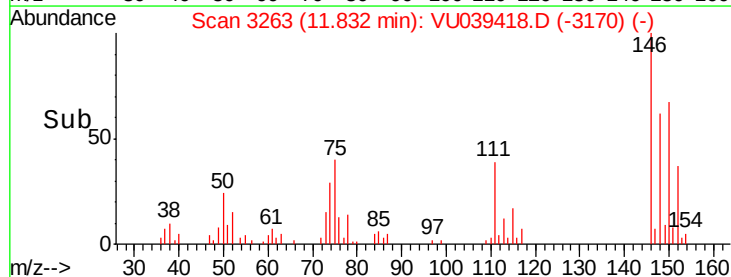
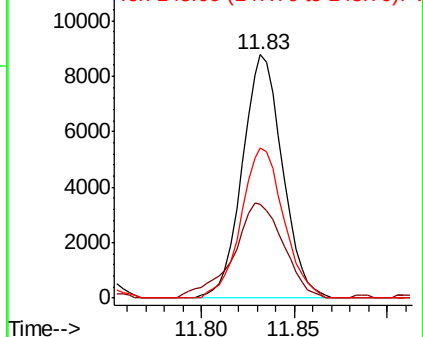
148 61.6 45.0 83.6

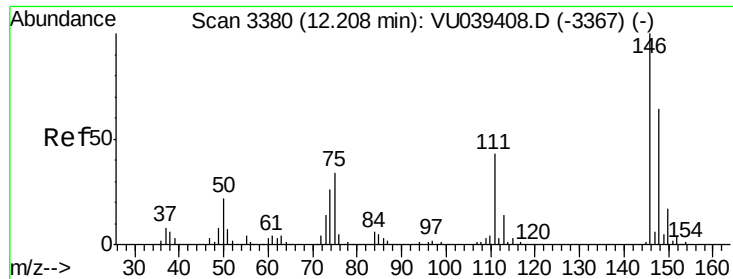


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

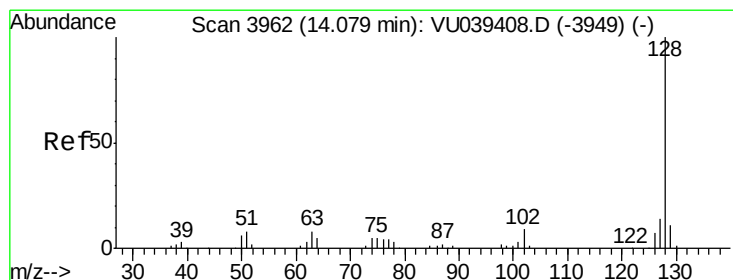
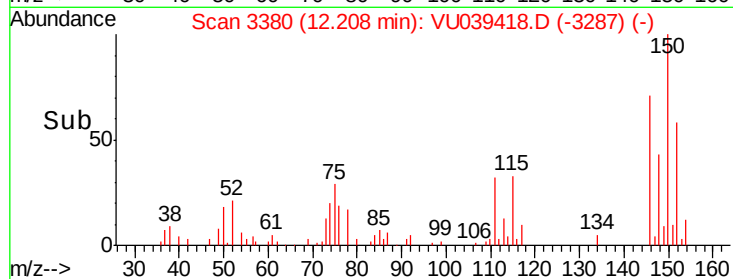
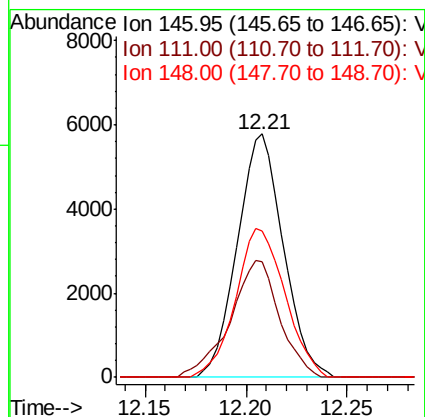
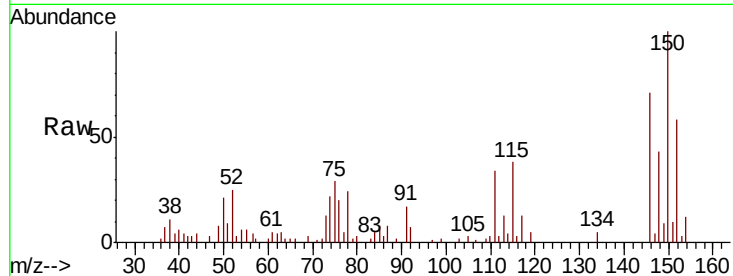




#65
 1,2-Dichlorobenzene
 Concen: 0.668 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039418.D
 Acq: 10 Jul 2020 01:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BE505

Tot Ion:146 Resp: 9234
 Ion Ratio Lower Upper
 146 100
 111 47.5 35.0 52.4
 148 60.1 50.6 75.8



#69
 Naphthalene
 Concen: 0.847 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU039418.D
 Acq: 10 Jul 2020 01:06

Tgt Ion:128 Resp: 15058
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.6 13.0
 127 13.2 10.4 15.6

