

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039412.D
 Acq On : 09 Jul 2020 22:48
 Operator : SY/MD
 Sample : L3244-09DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4B15DL

Quant Time: Jul 10 02:04:18 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	102813	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	94233	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25565	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.93	69	33078	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.58	63	41494	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.66	46	150664	55.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.52%
24) Chloroform-d	5.08	84	63455	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	42829	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.75	84	125362	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	6.71	67	43639	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.91	98	105728	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.19	79	17092	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	111819	53.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.12%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40761	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	44226	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.06	84	2043	0.266	ug/L	89
25) Chloroform	5.11	83	3290	0.246	ug/L	87
30) Cyclohexane	5.41	56	5838	0.500	ug/L	99
35) Methylcyclohexane	6.78	83	4352	0.373	ug/L #	79
37) 1,2-Dichloropropane	6.71	63	5344	0.696	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1357	0.117	ug/L #	45
42) Toluene	7.98	91	4410	0.146	ug/L #	76
52) Ethylbenzene	9.57	91	302284	9.066	ug/L	99
53) m,p-Xylene	9.70	106	59613	4.745	ug/L	100
54) o-Xylene	10.10	106	36263	2.965	ug/L	98
55) Styrene	10.10	104	2206	0.104	ug/L #	1
56) Isopropylbenzene	10.48	105	32788	0.991	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	7212	1.274	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.95	75	236	0.184	ug/L #	13
69) Naphthalene	14.08	128	59777	3.205	ug/L	100

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Quant Time: Jul 10 02:04:18 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

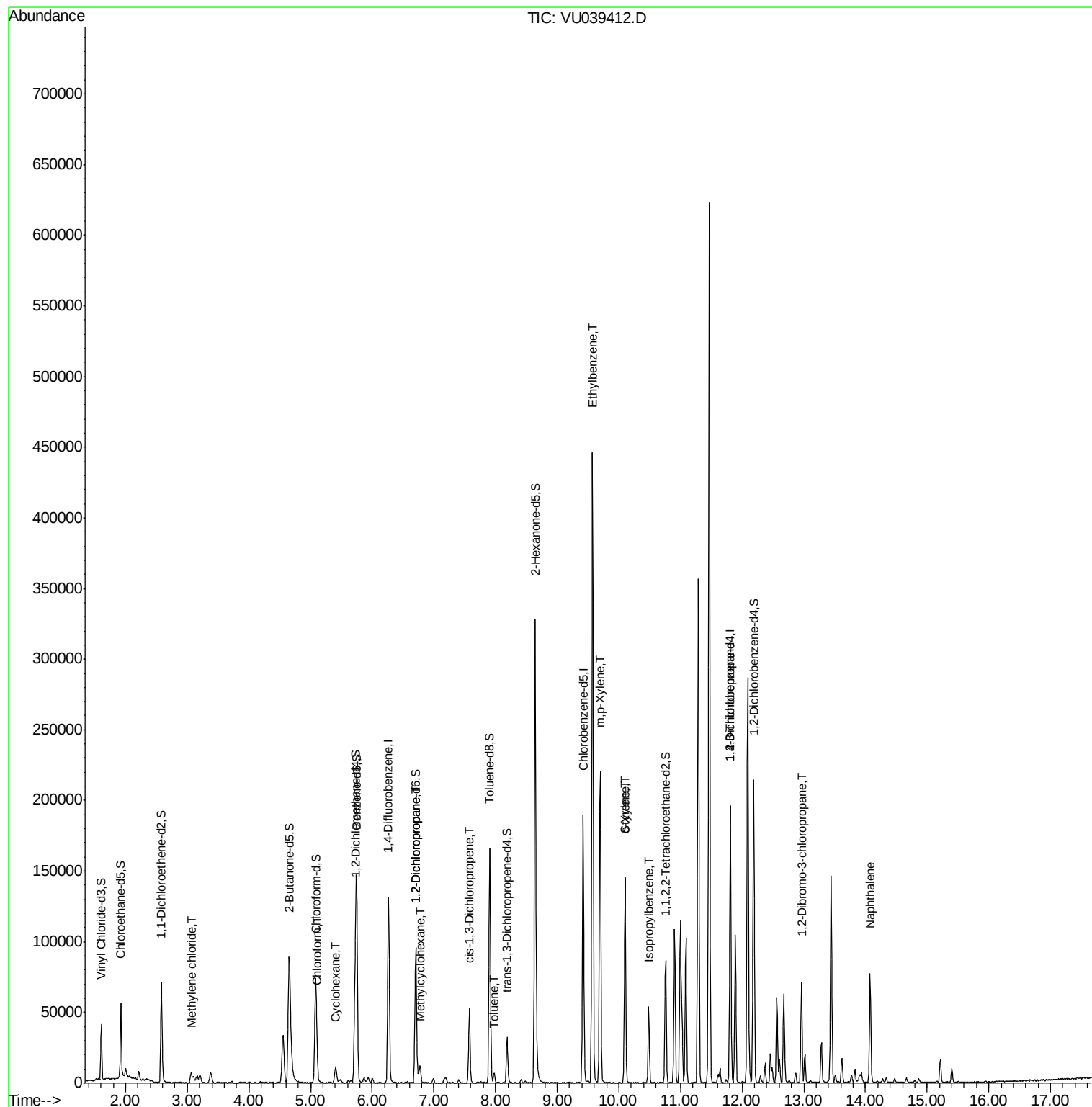
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

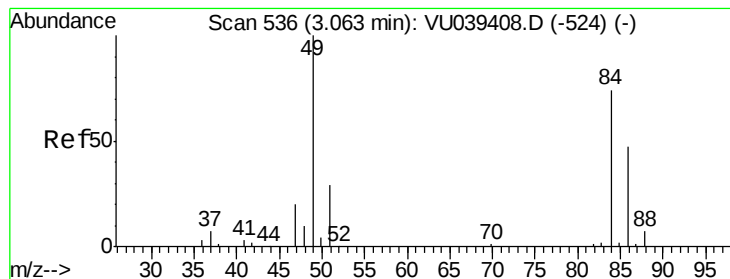
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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





#16

Methylene chloride

Concen: 0.266 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039412.D

Acq: 09 Jul 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

F4B15DL

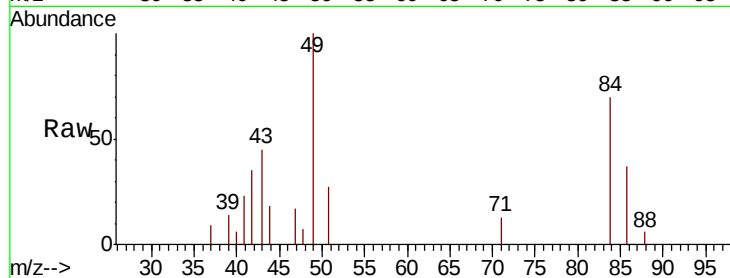
Tot Ion: 84 Resp: 2043

Ion Ratio Lower Upper

84 100

86 53.3 43.5 80.9

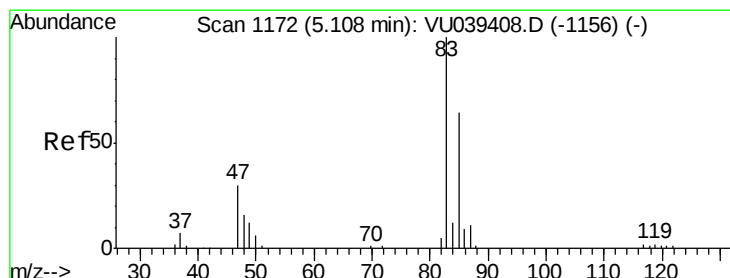
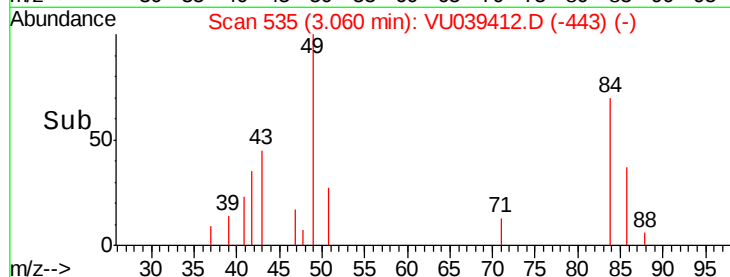
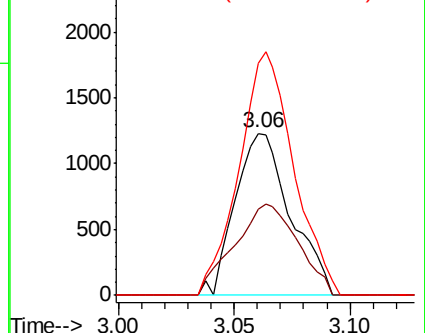
49 143.4 91.1 169.1



Abundance Ion 84.05 (83.75 to 84.75): VU039412.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039412.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039412.D (-443) (-)



#25

Chloroform

Concen: 0.246 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039412.D

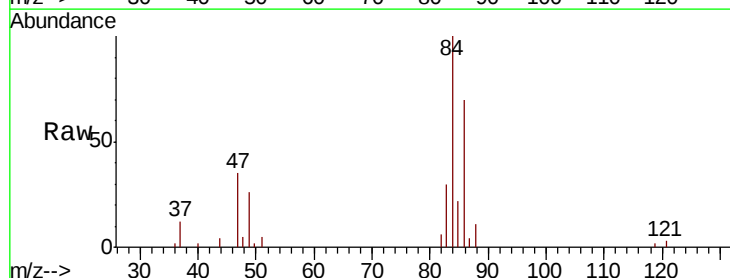
Acq: 09 Jul 2020 22:48

Tgt Ion: 83 Resp: 3290

Ion Ratio Lower Upper

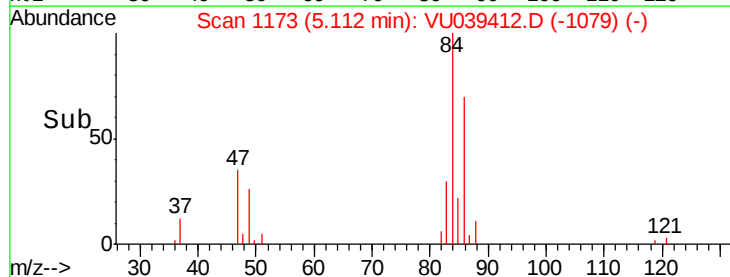
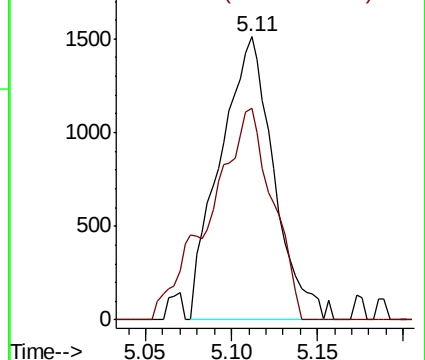
83 100

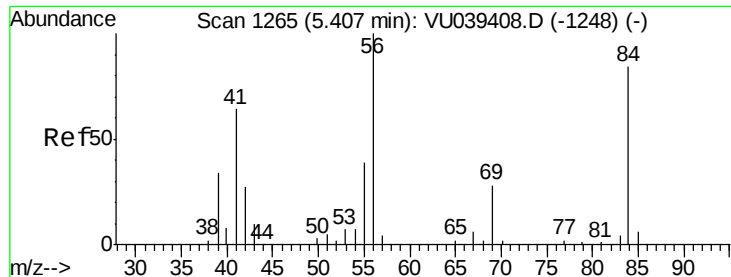
85 74.6 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039412.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU039412.D (-1079) (-)

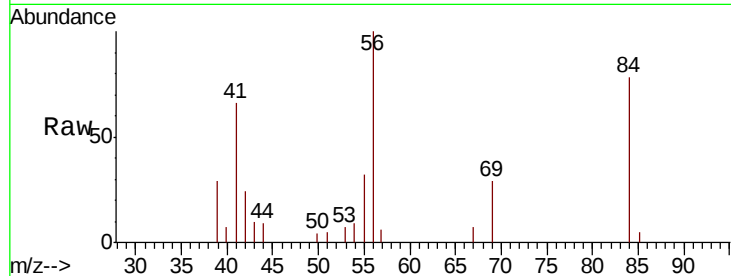




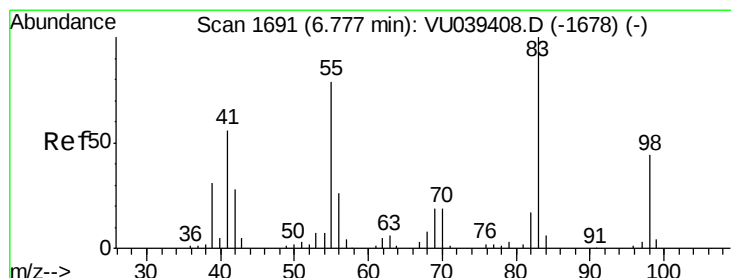
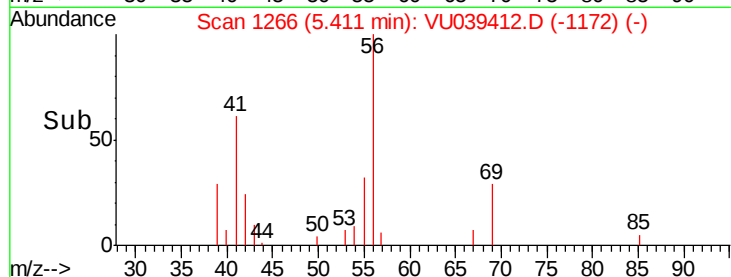
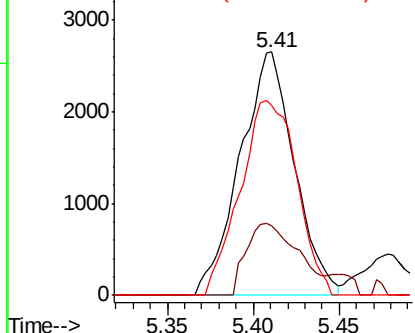
#30
Cyclohexane
Concen: 0.500 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039412.D
Acq: 09 Jul 2020 22:48

Instrument :
MSVOA_U
ClientSampleId :
F4B15DL

Tot Ion: 56 Resp: 5838
Ion Ratio Lower Upper
56 100
69 28.6 24.1 36.1
84 83.4 67.0 100.6

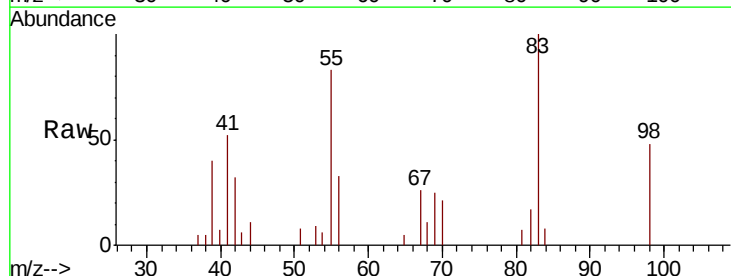


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

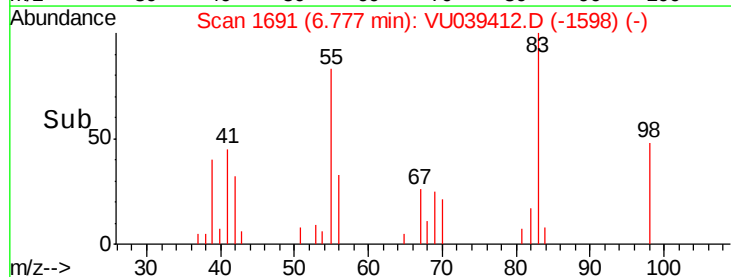
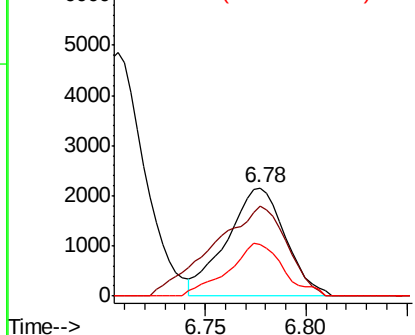


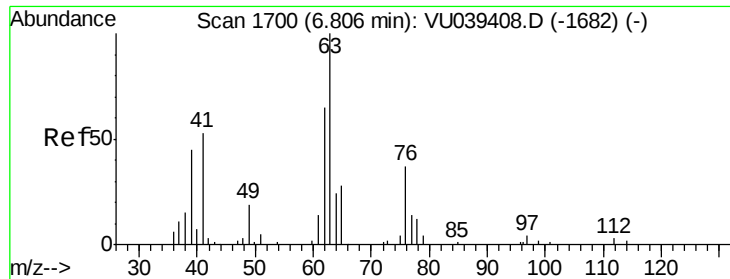
#35
Methylcyclohexane
Concen: 0.373 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU039412.D
Acq: 09 Jul 2020 22:48

Tgt Ion: 83 Resp: 4352
Ion Ratio Lower Upper
83 100
55 104.9 62.1 93.1#
98 46.1 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

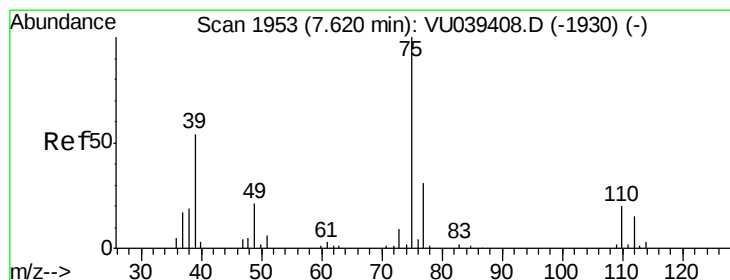
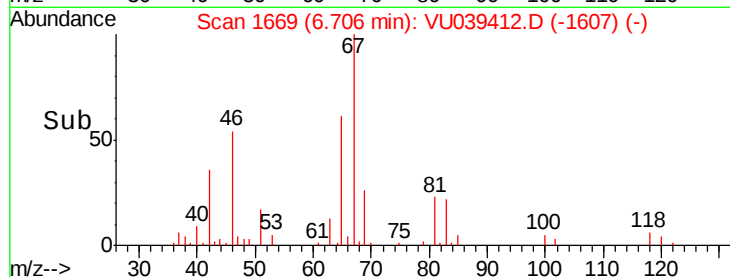
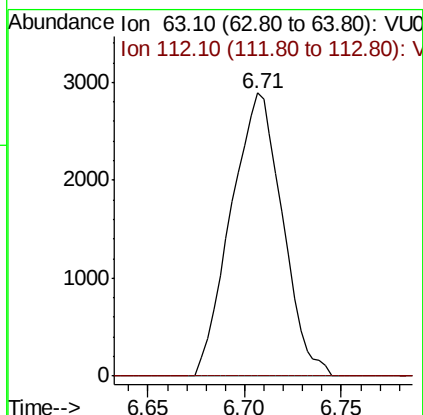
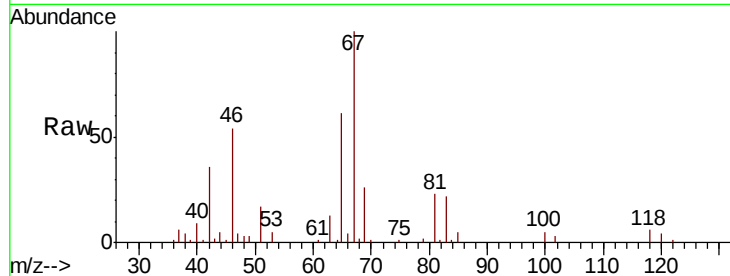




#37
 1,2-Dichloropropane
 Concen: 0.696 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039412.D
 Acq: 09 Jul 2020 22:48

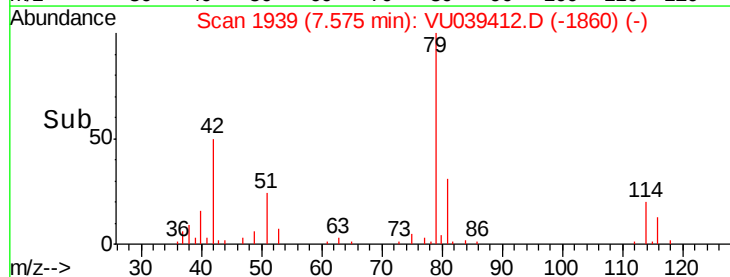
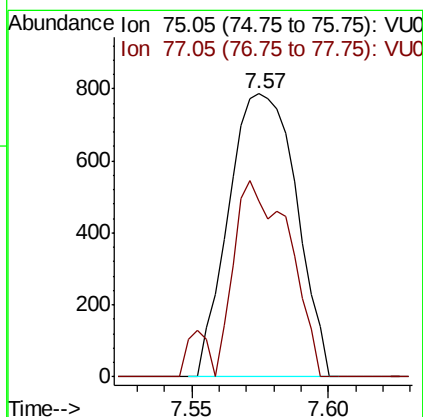
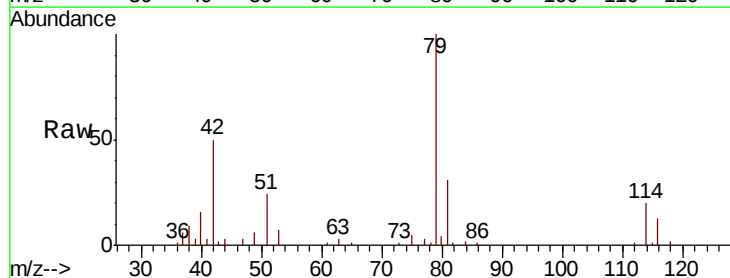
Instrument :
 MSVOA_U
 ClientSampleId :
 F4B15DL

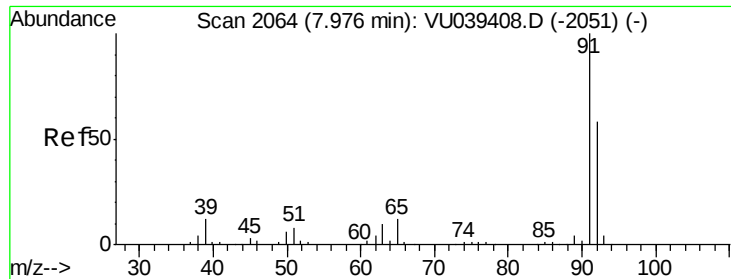
Tot Ion: 63 Resp: 5344
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039412.D
 Acq: 09 Jul 2020 22:48

Tgt Ion: 75 Resp: 1357
 Ion Ratio Lower Upper
 75 100
 77 62.2 22.3 41.3#





#42

Toluene

Concen: 0.146 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039412.D

Acq: 09 Jul 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

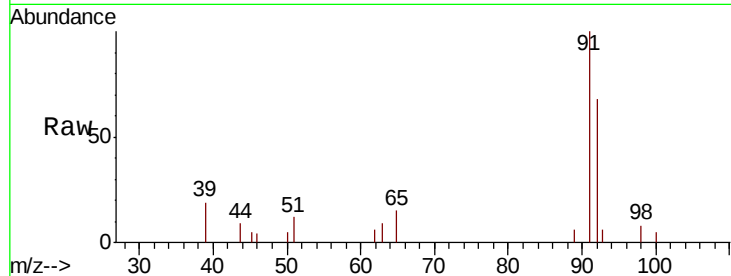
F4B15DL

Tot Ion: 91 Resp: 4410

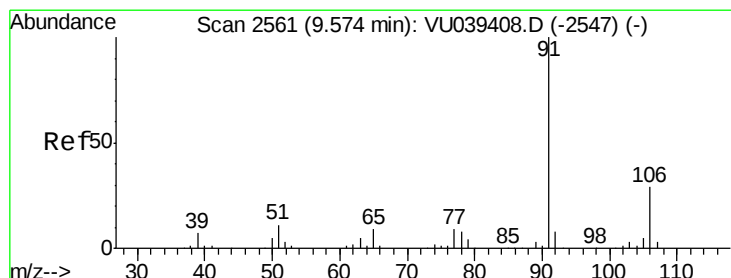
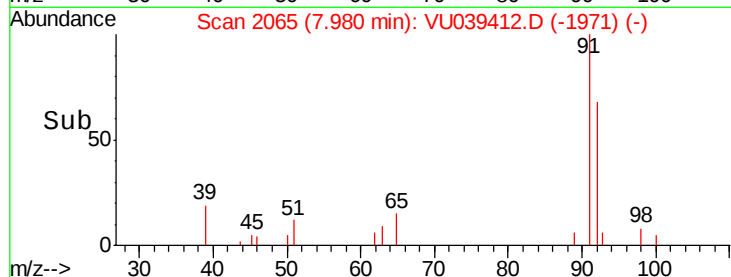
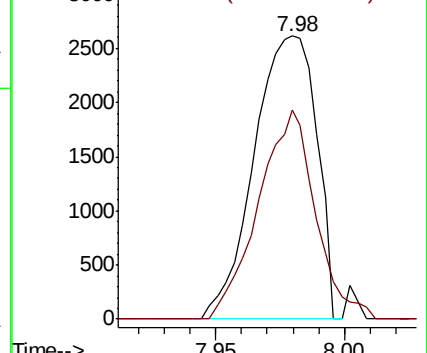
Ion Ratio Lower Upper

91 100

92 74.1 39.3 73.1#



Abundance Ion 91.15 (90.85 to 91.85): VU039412.D (-2051) (-)



#52

Ethylbenzene

Concen: 9.066 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039412.D

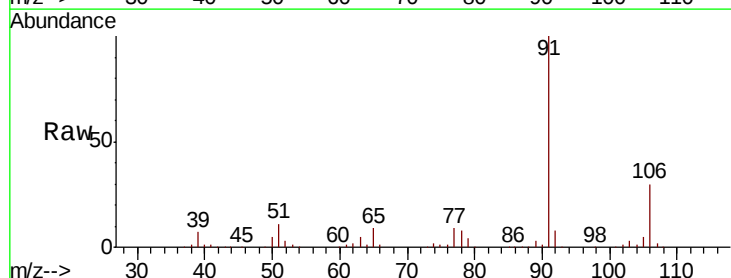
Acq: 09 Jul 2020 22:48

Tgt Ion: 91 Resp: 302284

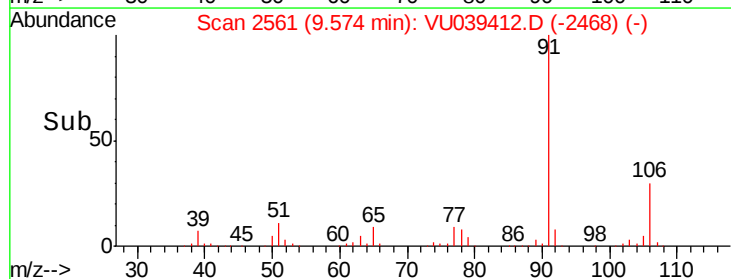
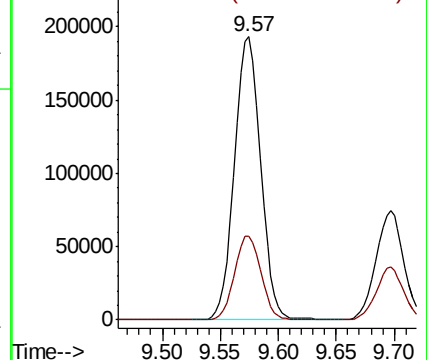
Ion Ratio Lower Upper

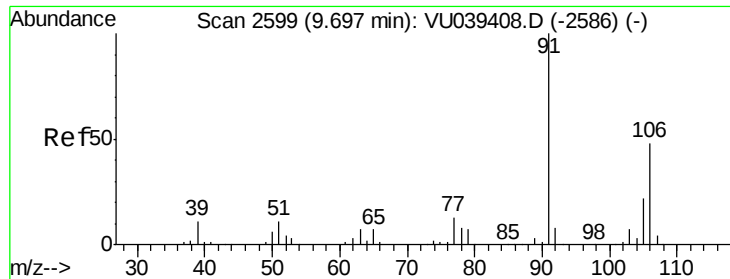
91 100

106 29.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039412.D (-2547) (-)





#53

m,p-Xylene

Concen: 4.745 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039412.D

Acq: 09 Jul 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

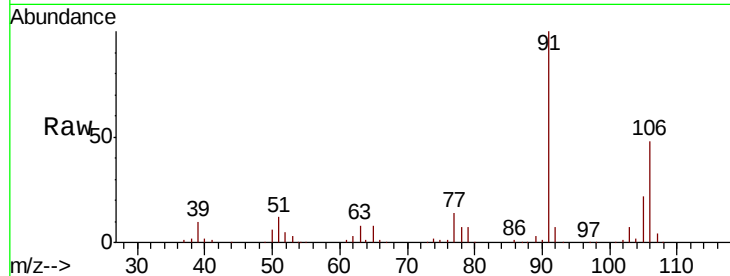
F4B15DL

Tot Ion:106 Resp: 59613

Ion Ratio Lower Upper

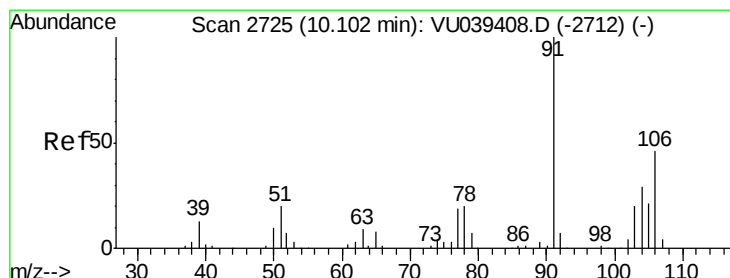
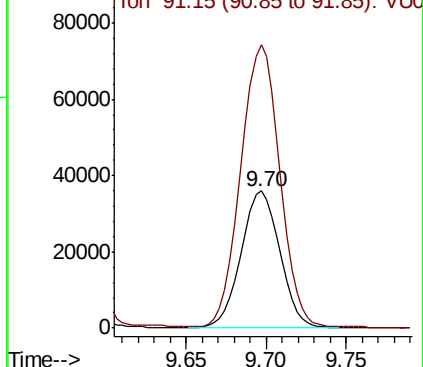
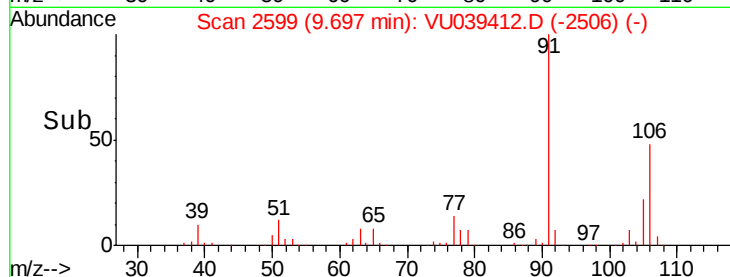
106 100

91 206.3 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 2.965 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039412.D

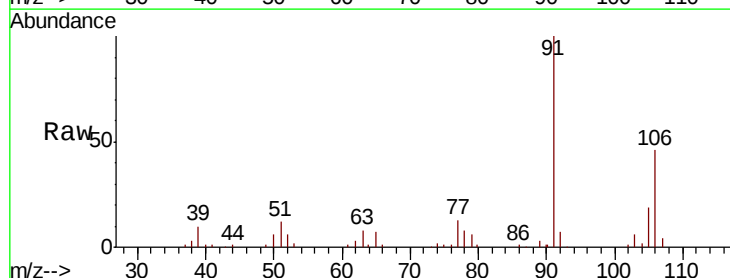
Acq: 09 Jul 2020 22:48

Tgt Ion:106 Resp: 36263

Ion Ratio Lower Upper

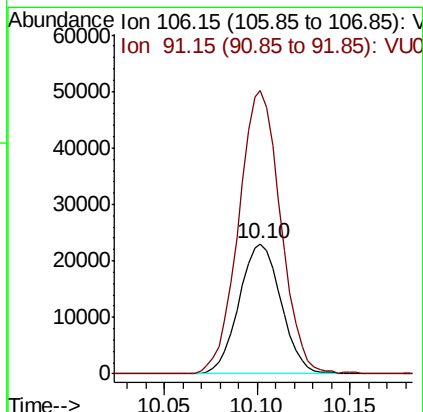
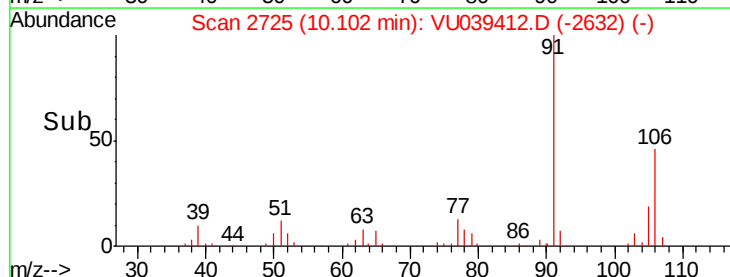
106 100

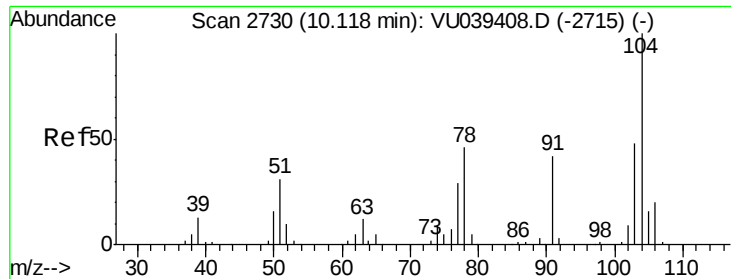
91 217.5 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

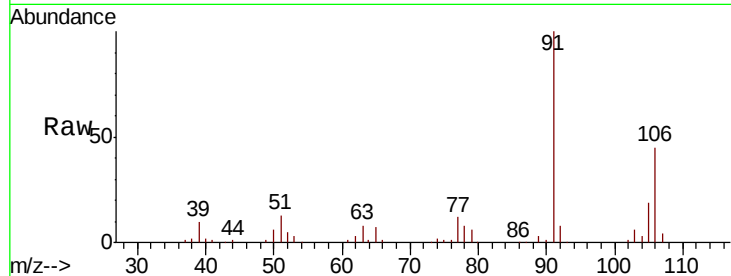




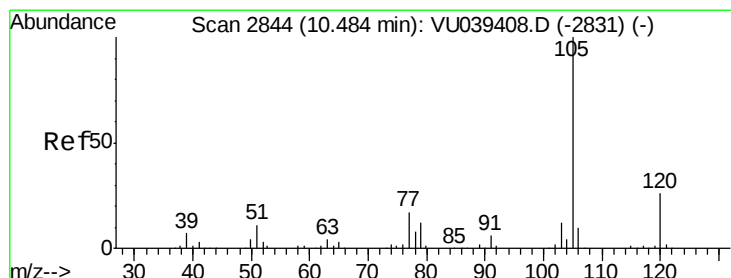
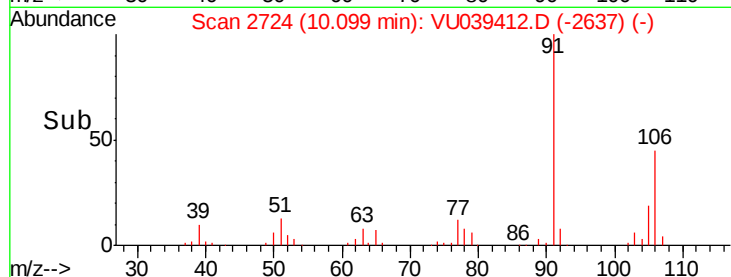
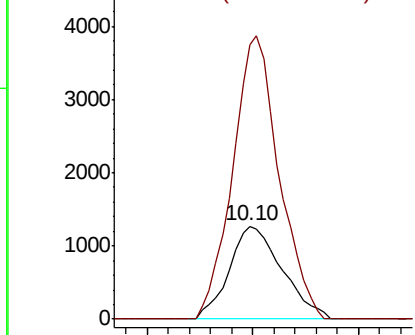
#55
Stvrene
Concen: 0.104 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.02 min
Lab File: VU039412.D
Acq: 09 Jul 2020 22:48

Instrument :
MSVOA_U
ClientSampleId :
F4B15DL

Tot Ion:104 Resp: 2206
Ion Ratio Lower Upper
104 100
78 294.9 33.1 61.5#

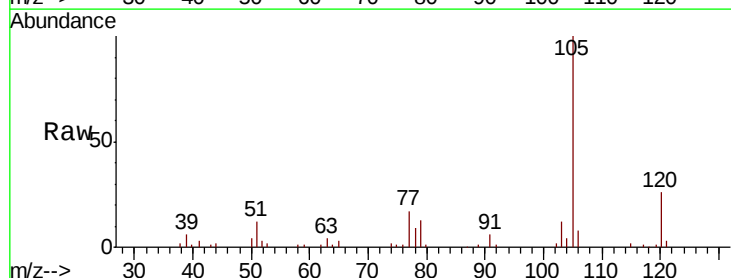


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

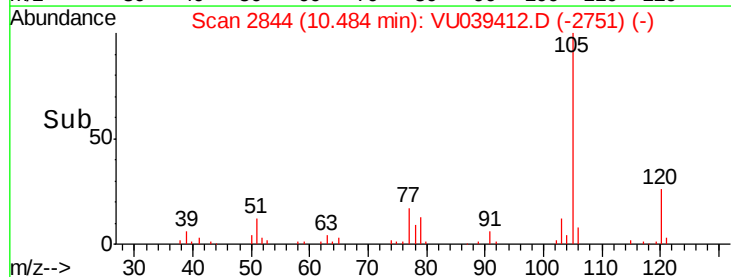
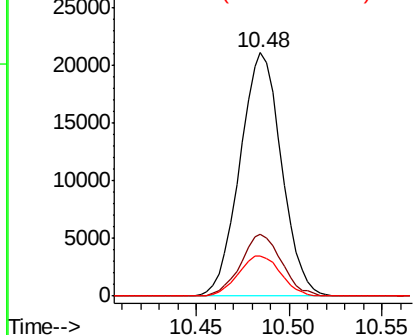


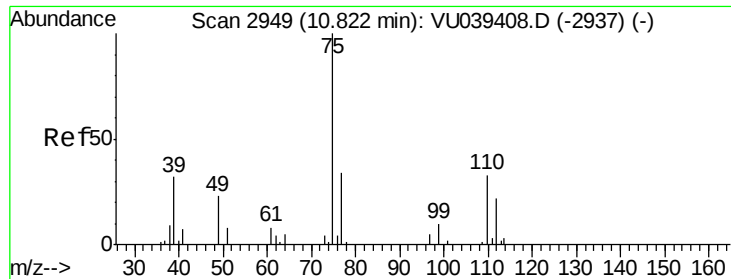
#56
Isopropylbenzene
Concen: 0.991 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU039412.D
Acq: 09 Jul 2020 22:48

Tgt Ion:105 Resp: 32788
Ion Ratio Lower Upper
105 100
120 24.8 20.7 31.1
77 16.8 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): VU0





#59

1,2,3-Trichloropropane

Concen: 1.274 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039412.D

Acq: 09 Jul 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

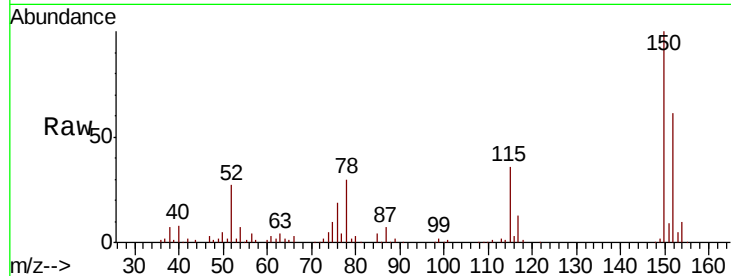
F4B15DL

Tot Ion: 75 Resp: 7212

Ion Ratio Lower Upper

75 100

77 37.7 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039408.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039408.D (-2937) (-)

11.81

4000

3000

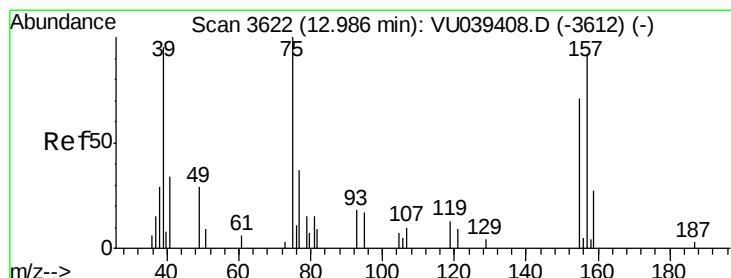
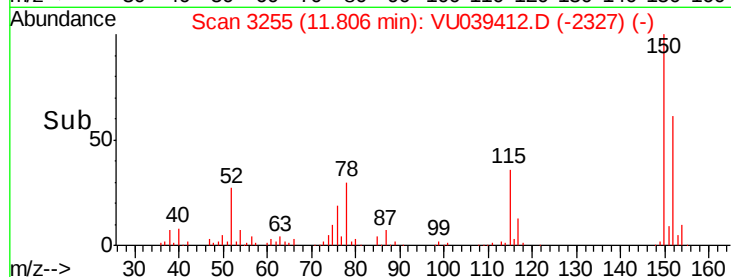
2000

1000

0

11.75 11.80 11.85

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.184 ug/L

RT: 12.95 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VU039412.D

Acq: 09 Jul 2020 22:48

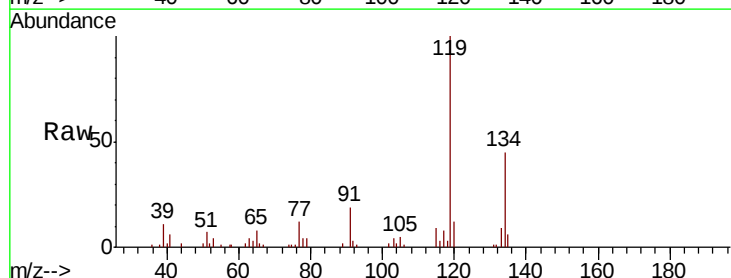
Tgt Ion: 75 Resp: 236

Ion Ratio Lower Upper

75 100

155 0.0 51.9 77.9#

157 0.0 63.2 94.8#



Abundance Ion 75.05 (74.75 to 75.75): VU039408.D (-3612) (-)

Ion 154.95 (154.65 to 155.65): VU039408.D (-3612) (-)

Ion 156.90 (156.60 to 157.60): VU039408.D (-3612) (-)

12.95

300

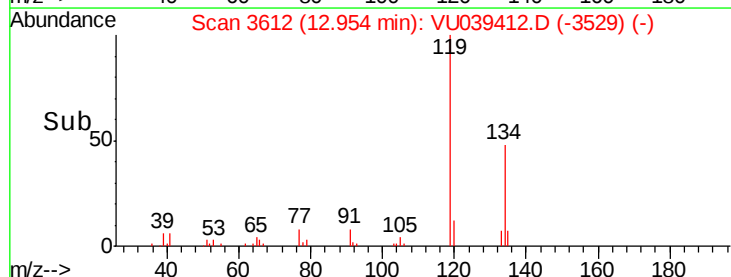
200

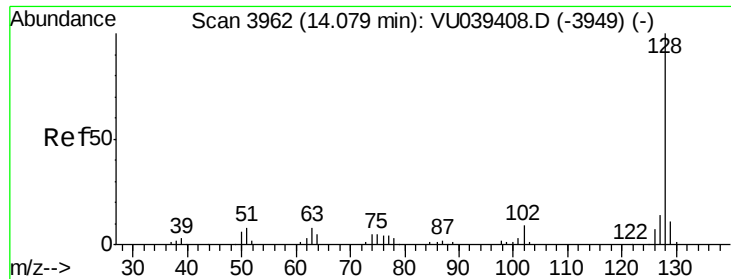
100

0

12.94 12.96 12.98

Time-->





#69

Naphthalene

Concen: 3.205 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039412.D

Acq: 09 Jul 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

F4B15DL

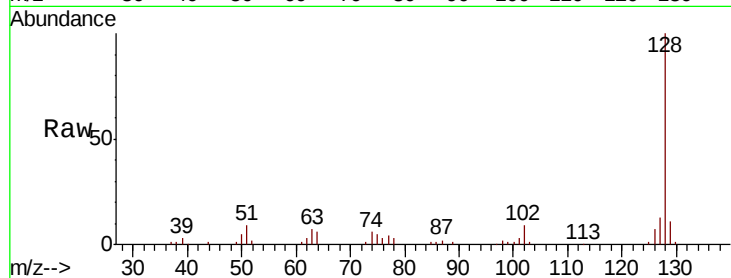
Tot Ion:128 Resp: 59777

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 12.9 10.4 15.6



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

