

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039941.D
 Acq On : 21 Aug 2020 20:27
 Operator : SY/MD
 Sample : L3776-03 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y02

Quant Time: Aug 22 00:50:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	78531	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	80970	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27776	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.92	69	27734	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	38886	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.66	46	111330	50.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.56%
24) Chloroform-d	5.08	84	53645	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.72	65	32475	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.75	84	100447	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.70	67	35765	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.91	98	86144	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	8.19	79	13618	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	81050	47.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31381	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	35885	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

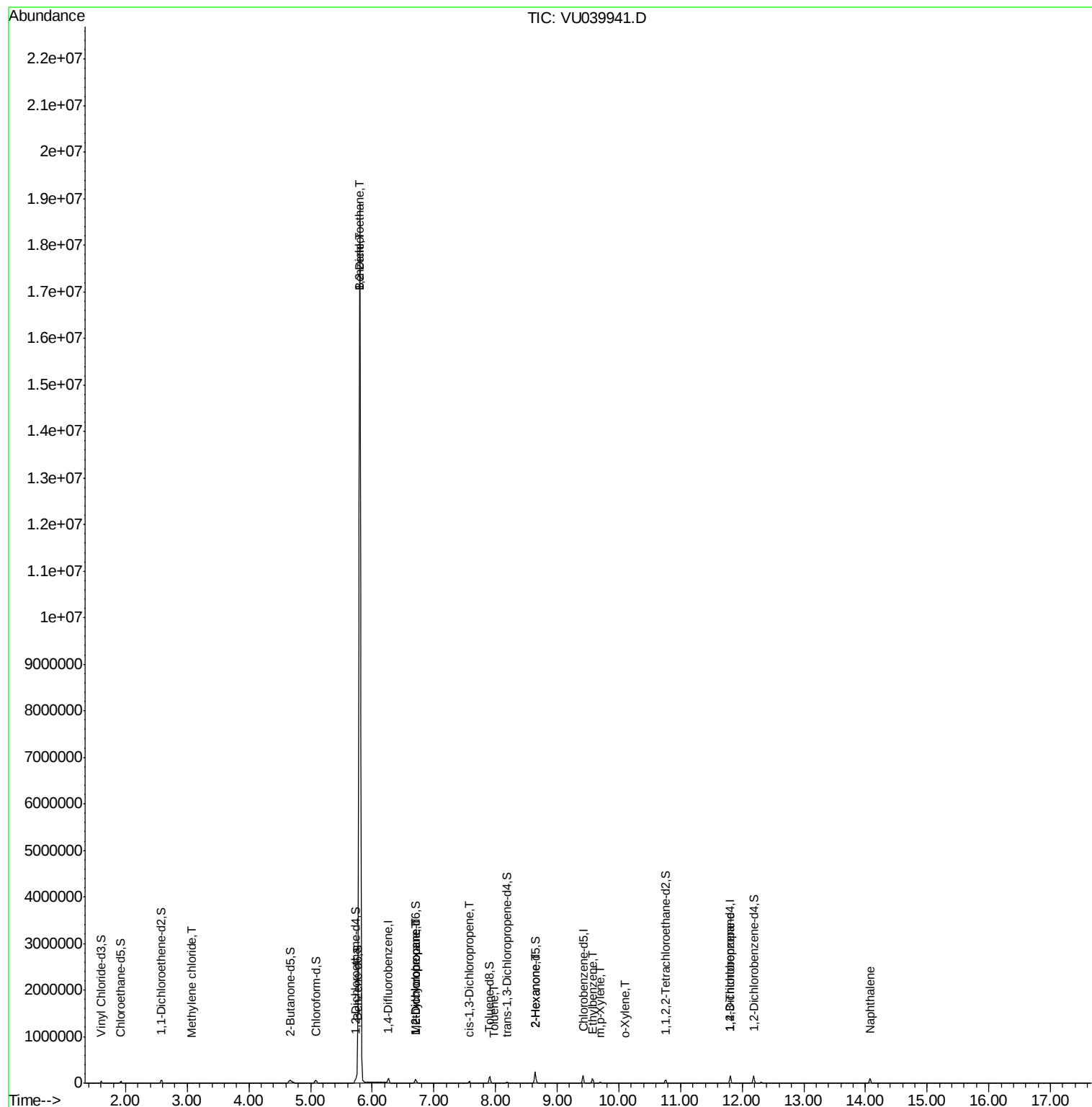
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.07	84	2033	0.215	ug/L	96
27) 1,2-Dichloroethane	5.80	62	165056	17.548	ug/L #	74
33) Benzene	5.80	78	15803125	537.040	ug/L	100
35) Methylcyclohexane	6.70	83	8433	0.721	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3978	0.509	ug/L #	85
39) cis-1,3-Dichloropropene	7.57	75	1067	0.098	ug/L #	64
42) Toluene	7.97	91	4170	0.139	ug/L	90
48) 2-Hexanone	8.64	43	10797	2.433	ug/L #	71
52) Ethylbenzene	9.57	91	69487	2.123	ug/L	99
53) m,p-Xylene	9.70	106	3711	0.295	ug/L	99
54) o-Xylene	10.10	106	1630	0.137	ug/L	87
59) 1,2,3-Trichloropropane	11.81	75	4910	0.876	ug/L #	85
69) Naphthalene	14.08	128	79978	5.084	ug/L	98

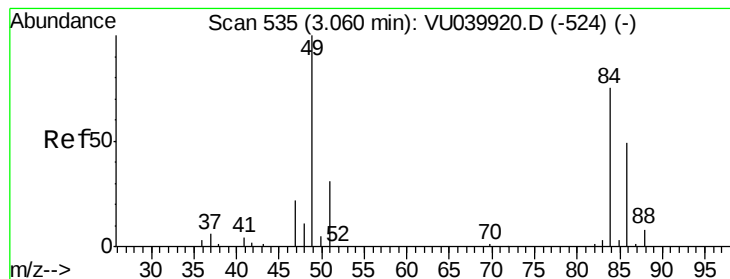
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methvlene chloride

Concen: 0.215 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU039941.D

Acq: 21 Aug 2020 20:27

Instrument :

MSVOA_U

ClientSampleId :

F4Y02

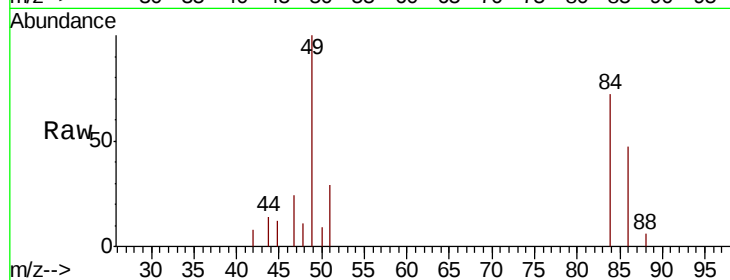
Tot Ion: 84 Resp: 2033

Ion Ratio Lower Upper

84 100

86 64.4 47.2 87.6

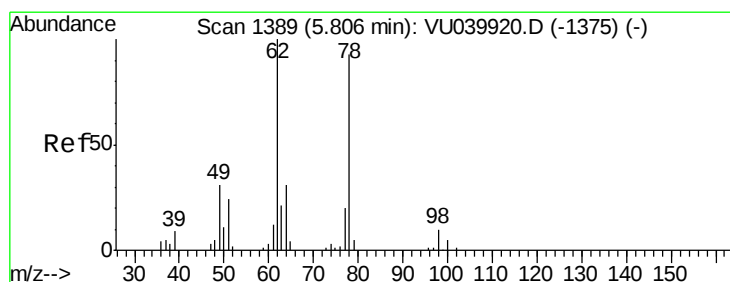
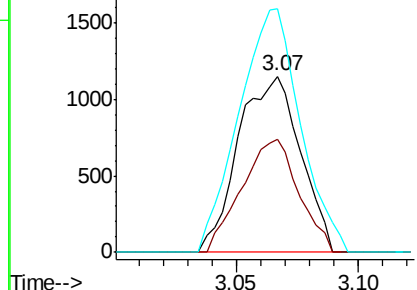
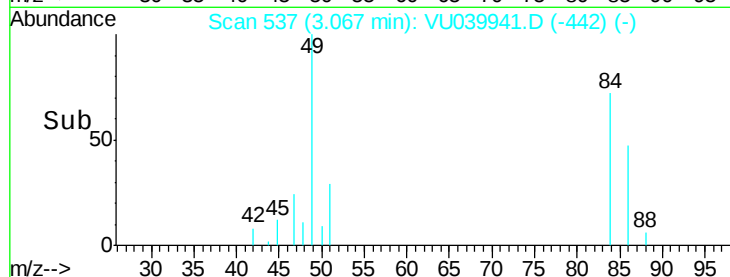
49 138.2 99.8 185.4



Abundance Ion 84.05 (83.75 to 84.75): VU039941.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039941.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039941.D (-442) (-)



#27

1,2-Dichloroethane

Concen: 17.548 ug/L

RT: 5.80 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VU039941.D

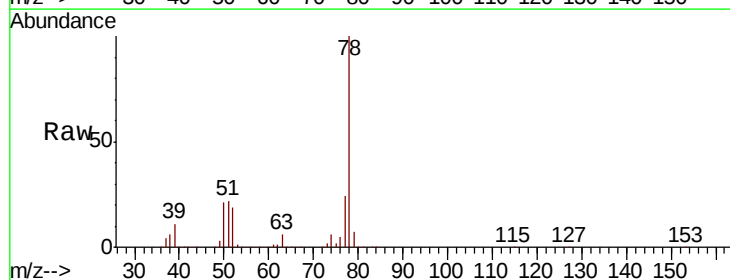
Acq: 21 Aug 2020 20:27

Tgt Ion: 62 Resp: 165056

Ion Ratio Lower Upper

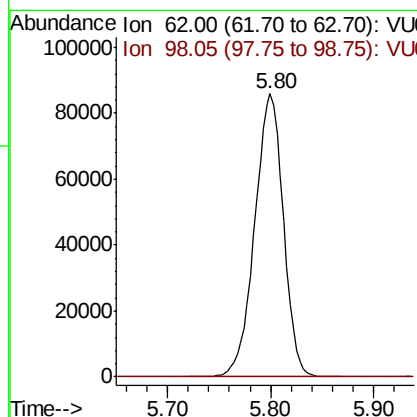
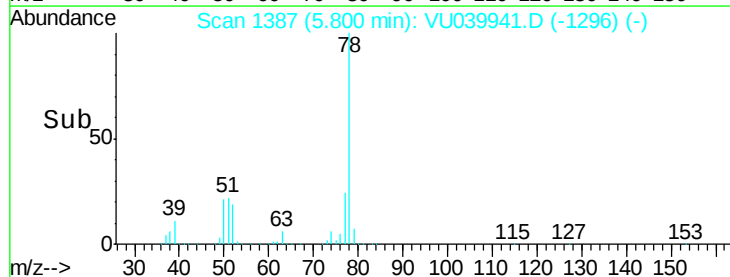
62 100

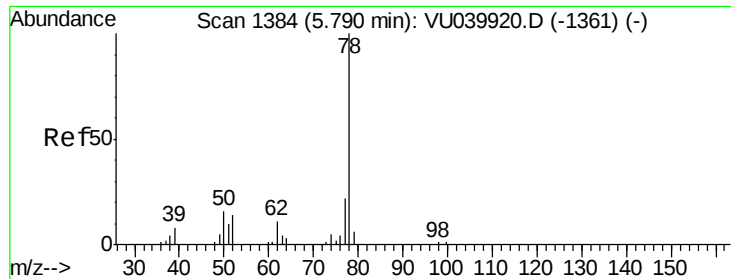
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU039941.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU039941.D (-1296) (-)





#33

Benzene

Concen: 537.040 ug/L

RT: 5.80 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VU039941.D

Acq: 21 Aug 2020 20:27

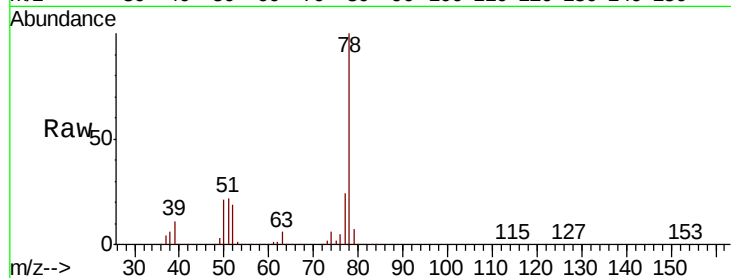
Instrument :

MSVOA_U

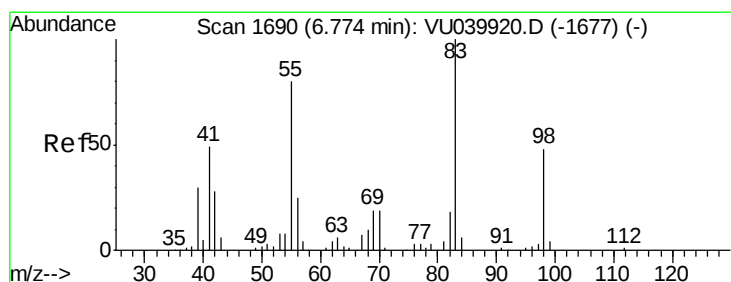
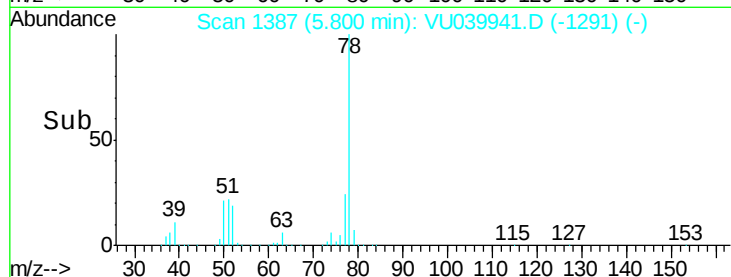
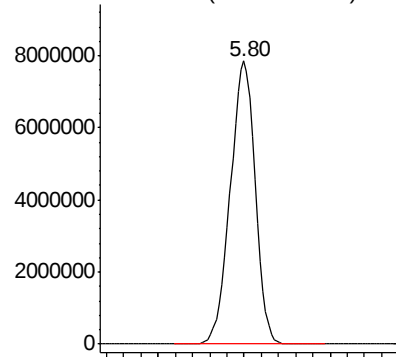
ClientSampleId :

F4Y02

Tgt Ion: 78 Resp:15803125



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.721 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039941.D

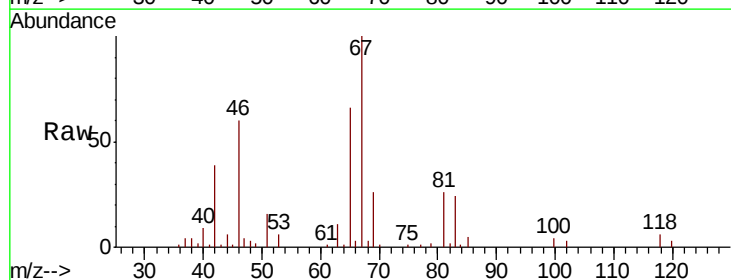
Acq: 21 Aug 2020 20:27

Tgt Ion: 83 Resp: 8433

Ion	Ratio	Lower	Upper
83	100		

55	0.0	64.1	96.1#
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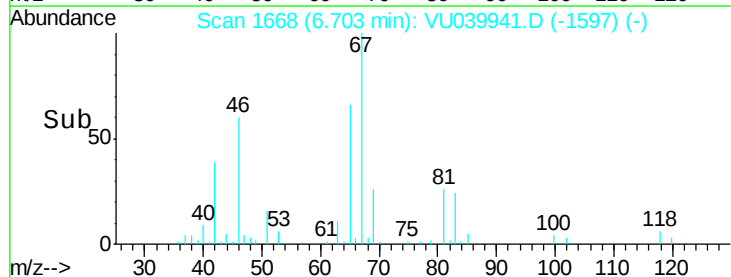
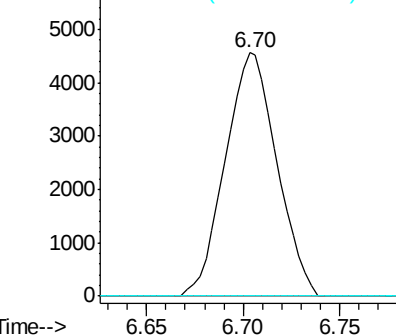
98	0.0	39.4	59.0#
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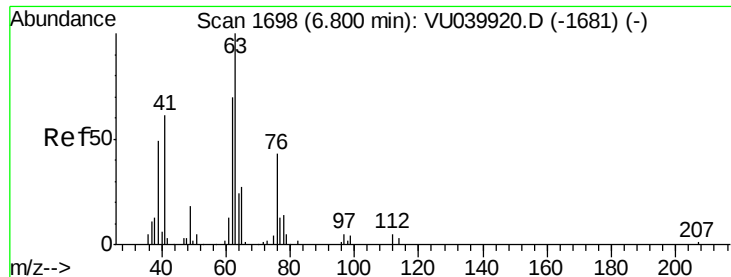


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

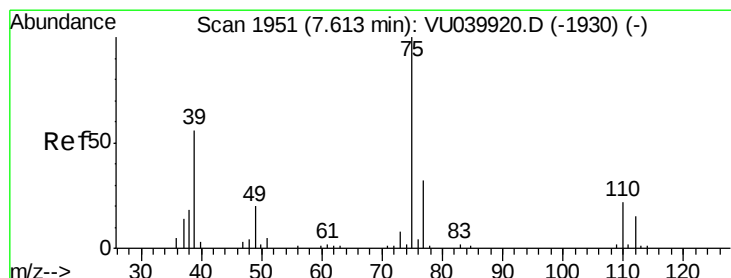
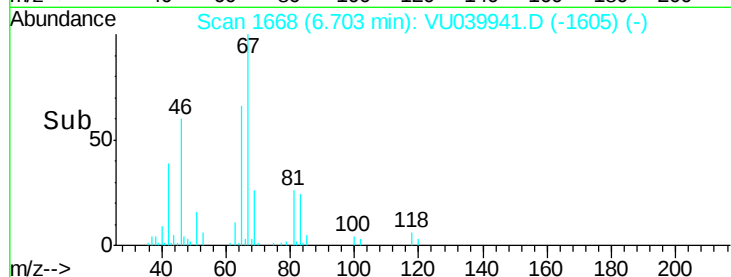
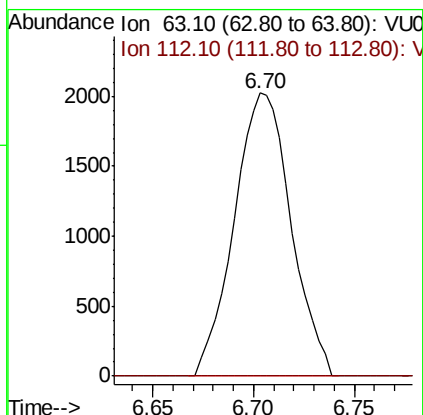
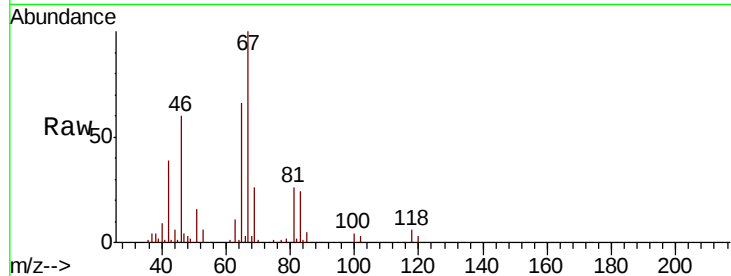




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039941.D
 Acq: 21 Aug 2020 20:27

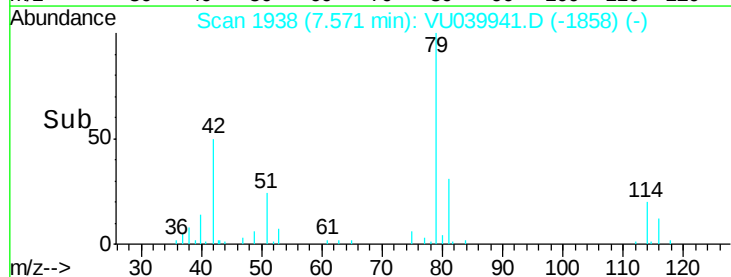
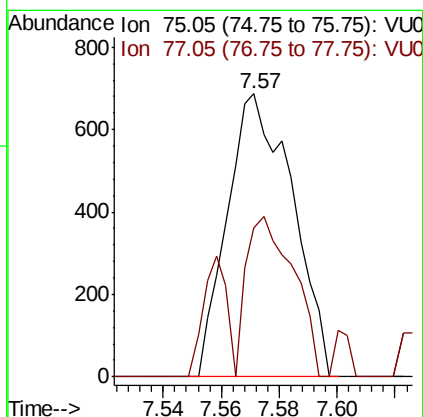
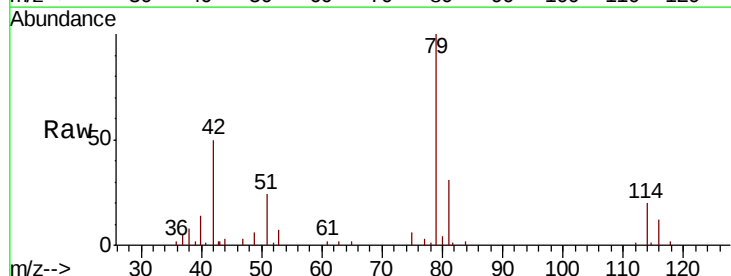
Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y02

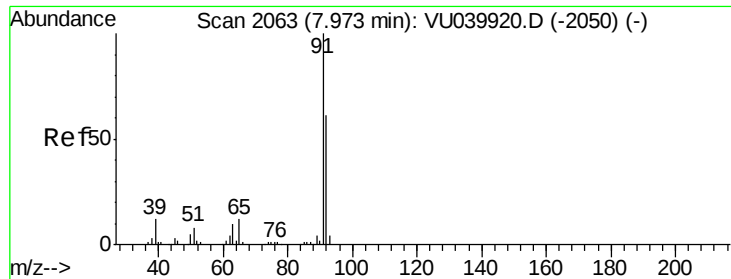
Tot Ion: 63 Resp: 3978
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU039941.D
 Acq: 21 Aug 2020 20:27

Tgt Ion: 75 Resp: 1067
 Ion Ratio Lower Upper
 75 100
 77 52.4 22.6 42.0#





#42

Toluene

Concen: 0.139 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU039941.D

Acq: 21 Aug 2020 20:27

Instrument :

MSVOA_U

ClientSampleId :

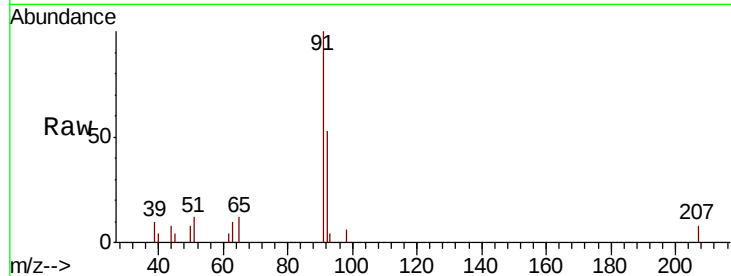
F4Y02

Tot Ion: 91 Resp: 4170

Ion Ratio Lower Upper

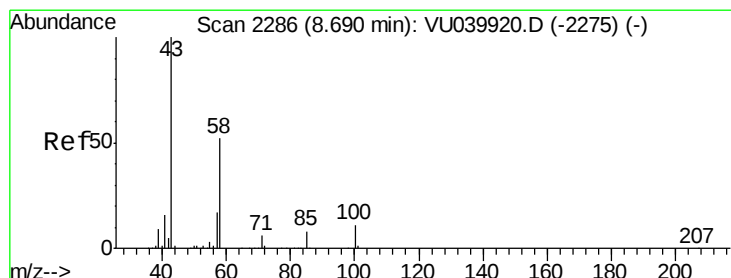
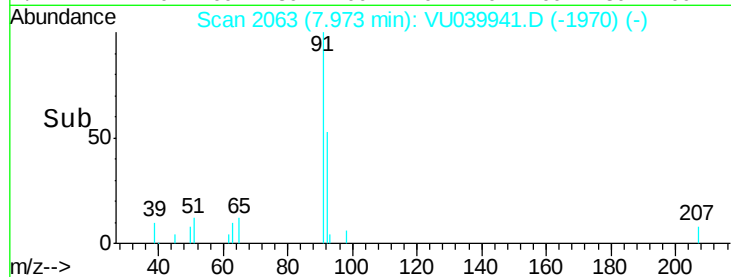
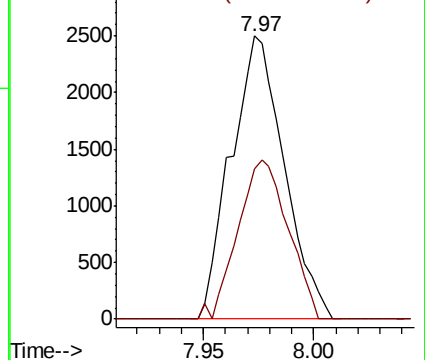
91 100

92 53.0 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039941.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU039941.D (-1970) (-)



#48

2-Hexanone

Concen: 2.433 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU039941.D

Acq: 21 Aug 2020 20:27

Tgt Ion: 43 Resp: 10797

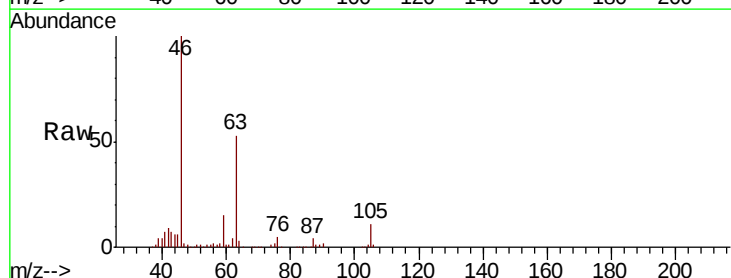
Ion Ratio Lower Upper

43 100

58 27.3 41.3 61.9#

57 23.1 14.1 21.1#

100 0.0 9.1 13.7#

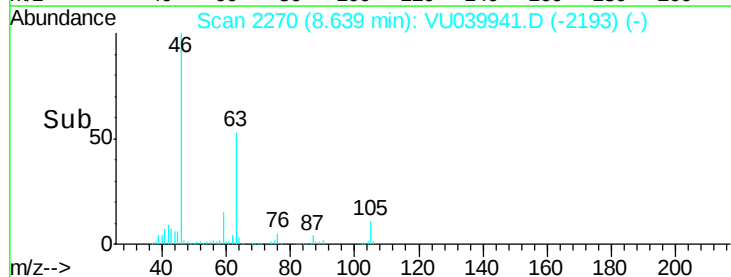
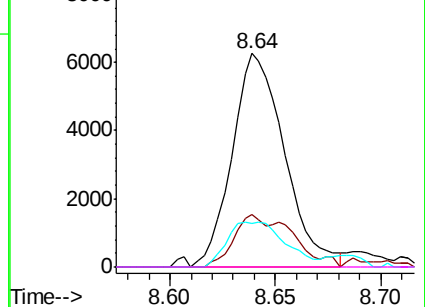


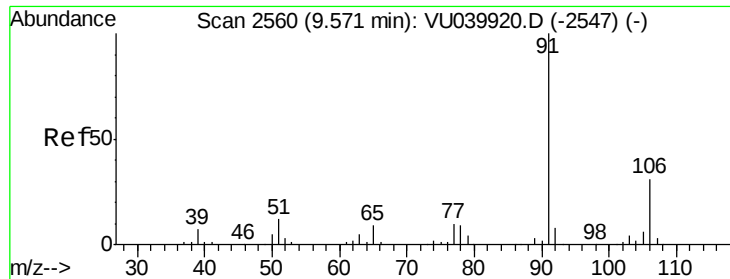
Abundance Ion 43.05 (42.75 to 43.75): VU039941.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU039941.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU039941.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU039941.D (-2193) (-)





#52

Ethylbenzene

Concen: 2.123 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039941.D

Acq: 21 Aug 2020 20:27

Instrument :

MSVOA_U

ClientSampleId :

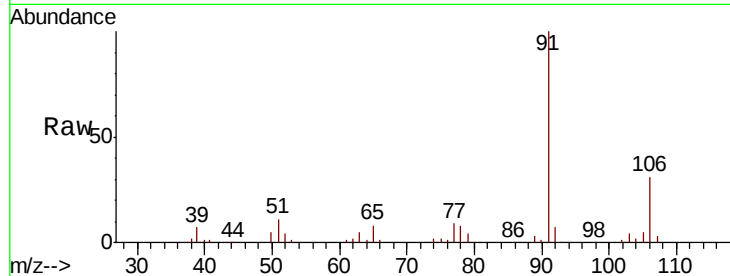
F4Y02

Tot Ion: 91 Resp: 69487

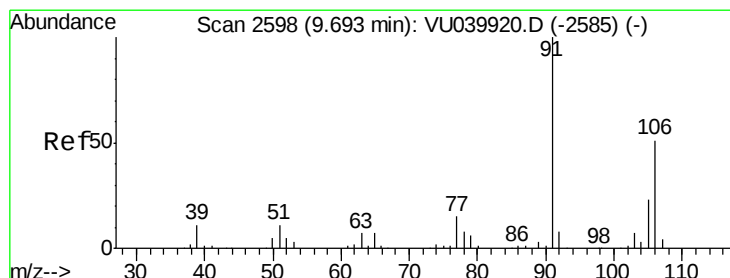
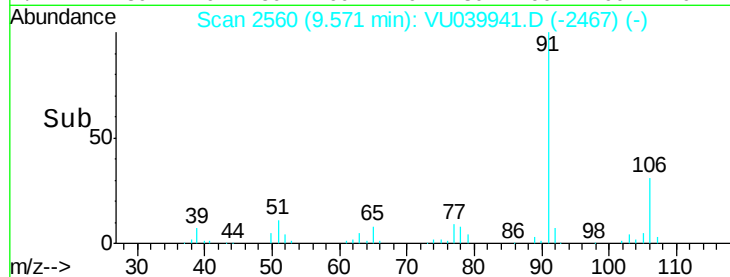
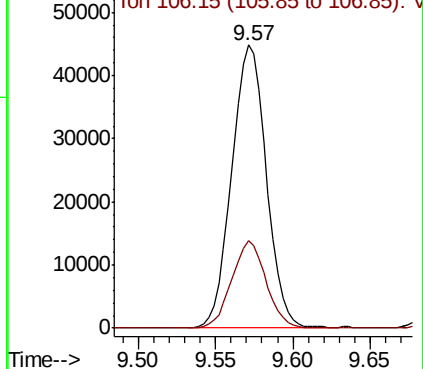
Ion Ratio Lower Upper

91 100

106 30.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039941.D (-2467) (-)



#53

m,p-Xylene

Concen: 0.295 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.01 min

Lab File: VU039941.D

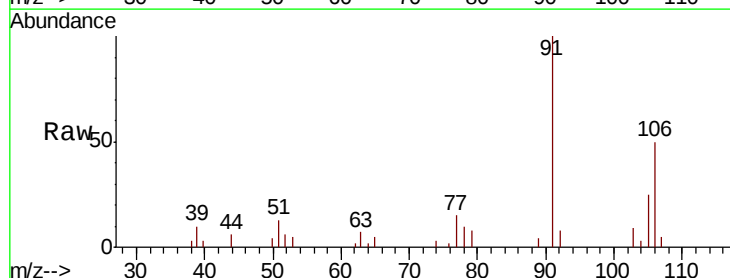
Acq: 21 Aug 2020 20:27

Tgt Ion: 106 Resp: 3711

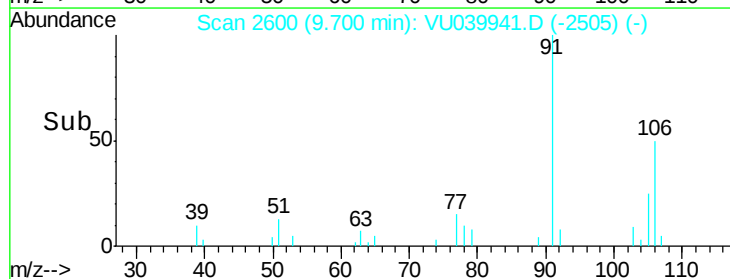
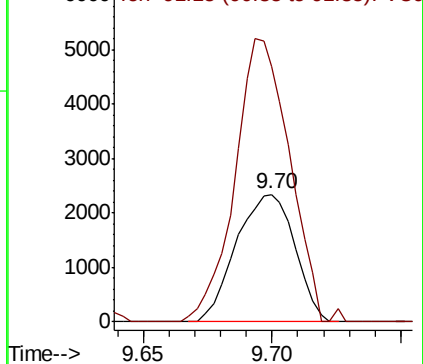
Ion Ratio Lower Upper

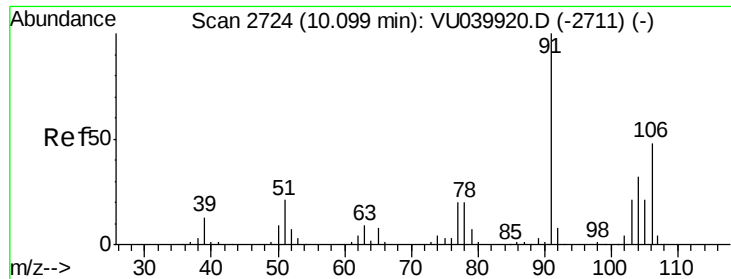
106 100

91 200.9 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039941.D (-2505) (-)

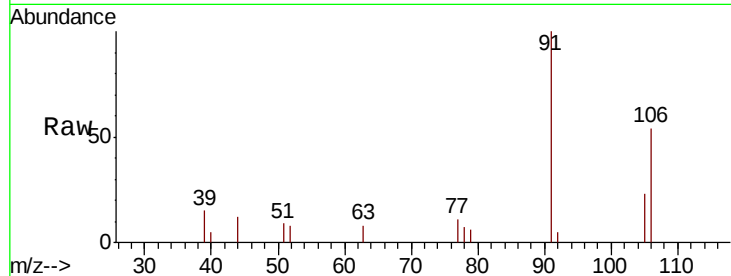




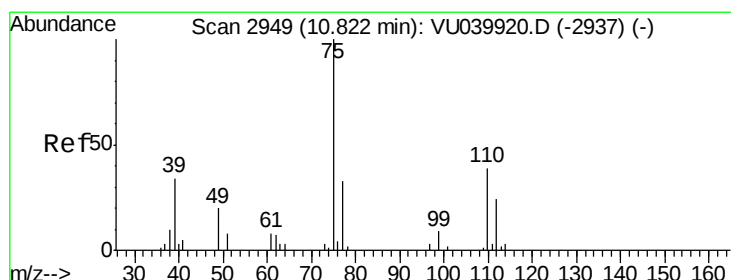
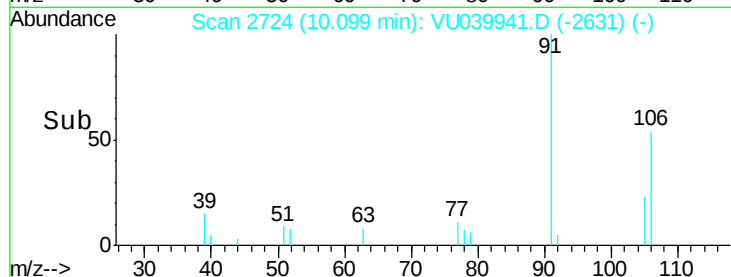
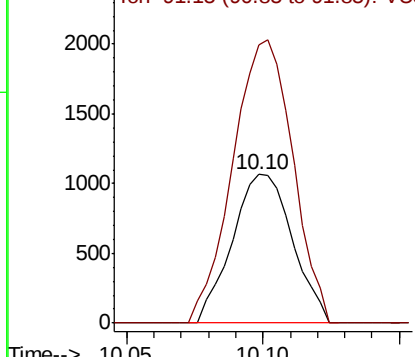
#54
o-Xylene
Concen: 0.137 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU039941.D
Acq: 21 Aug 2020 20:27

Instrument :
MSVOA_U
ClientSampled :
F4Y02

Tot Ion:106 Resp: 1630
Ion Ratio Lower Upper
106 100
91 186.7 144.6 268.6

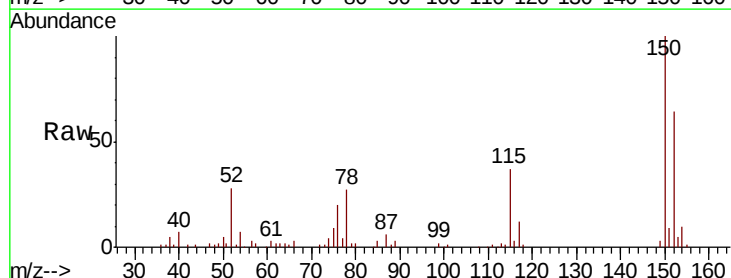


Abundance Ion 106.15 (105.85 to 106.85): VU039941.D (-2631) (-)
Ion 91.15 (90.85 to 91.85): VU039941.D (-2631) (-)

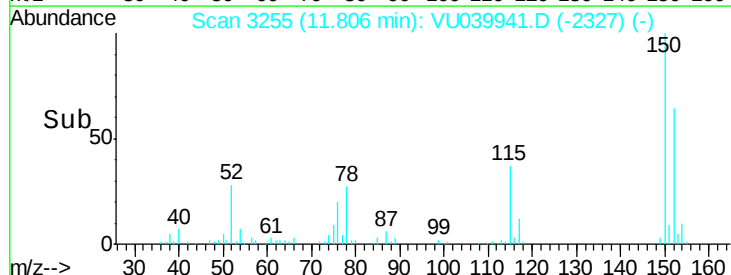
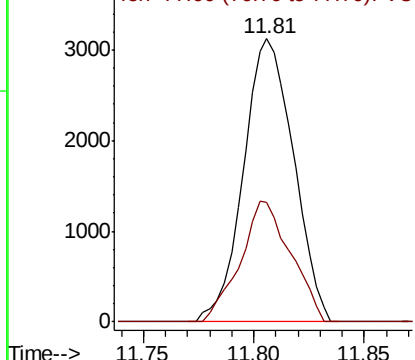


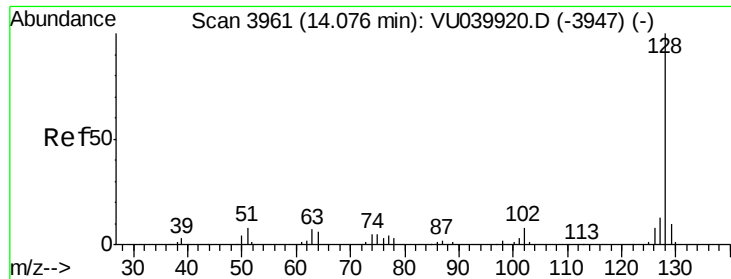
#59
1,2,3-Trichloropropane
Concen: 0.876 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU039941.D
Acq: 21 Aug 2020 20:27

Tgt Ion: 75 Resp: 4910
Ion Ratio Lower Upper
75 100
77 43.0 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU039941.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU039941.D (-2327) (-)





#69

Naphthalene

Concen: 5.084 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039941.D

Acq: 21 Aug 2020 20:27

Instrument :

MSVOA_U

ClientSampleId :

F4Y02

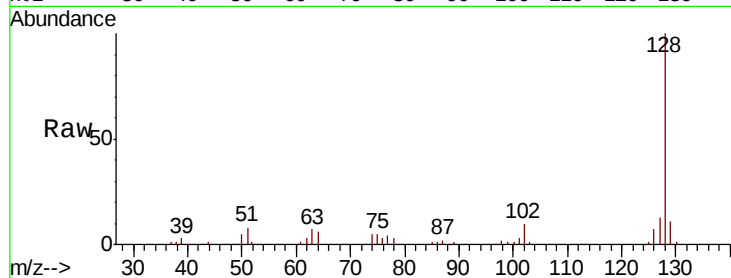
Tot Ion:128 Resp: 79978

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 13.4 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

