

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071620\
 Data File : VU039522.D
 Acq On : 16 Jul 2020 14:33
 Operator : SY/MD
 Sample : L3292-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA0

Quant Time: Jul 17 01:09:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 01:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	99524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	96369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44528	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21177	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	1.93	69	25869	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.58	63	35679	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	107064	40.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.14%
24) Chloroform-d	5.08	84	51872	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.72	65	33392	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.75	84	101811	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.71	67	35212	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.91	98	87329	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	13549	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.64	63	76723	35.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.86%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	30562	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	34747	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

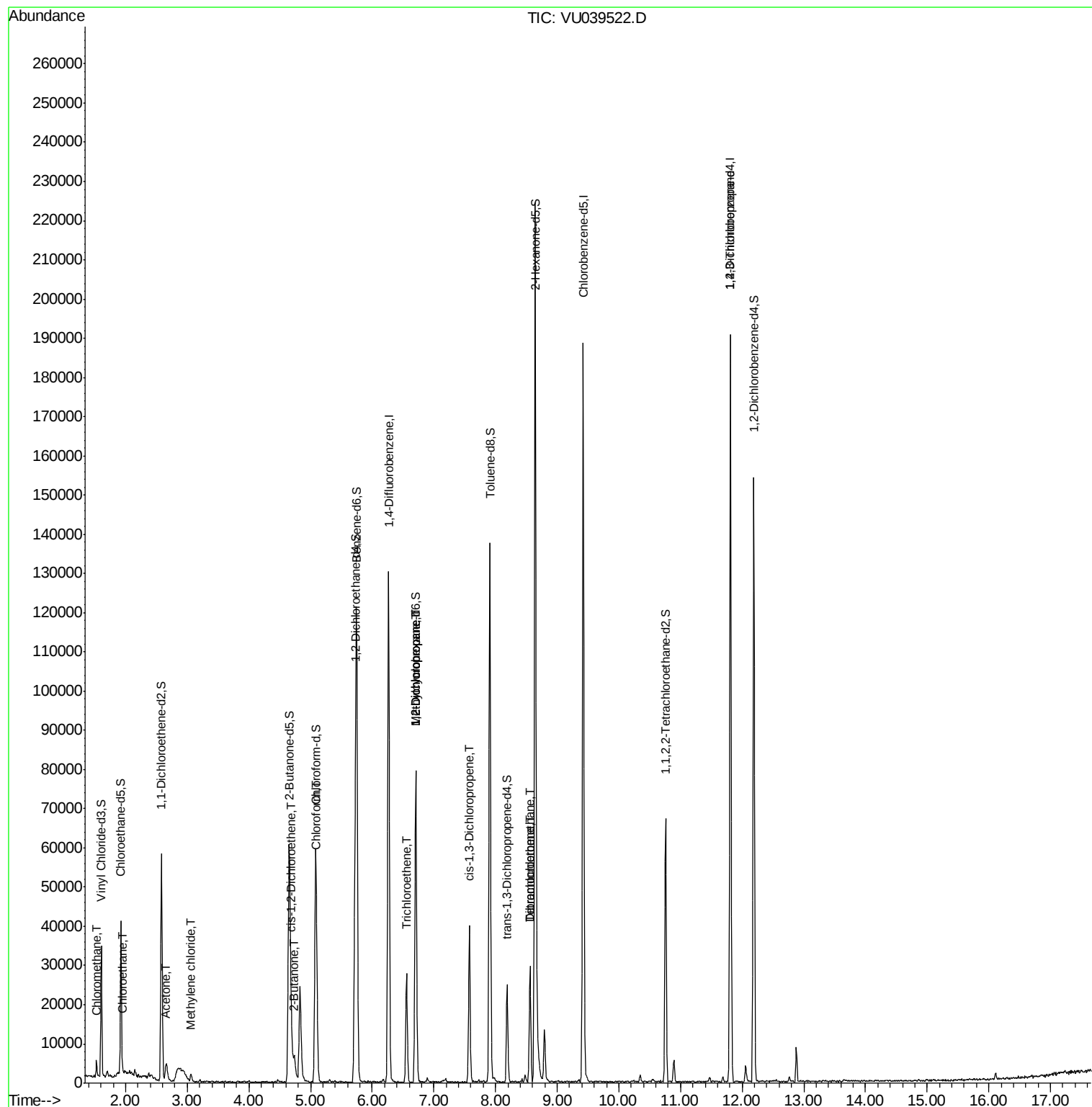
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2769	0.379	ug/L	95
8) Chloroethane	1.95	64	551	0.094	ug/L #	41
13) Acetone	2.66	43	7690	5.398	ug/L	97
16) Methylene chloride	3.06	84	608	0.082	ug/L	89
21) 2-Butanone	4.74	43	7739	3.044	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	686	0.093	ug/L	99
25) Chloroform	5.11	83	3808	0.294	ug/L	98
34) Trichloroethene	6.56	95	8711	1.169	ug/L	96
35) Methylcyclohexane	6.70	83	7577	0.635	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	4034	0.514	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1155	0.097	ug/L	97
47) Tetrachloroethene	8.56	164	5555	1.072	ug/L	95
49) Dibromochloromethane	8.56	129	5712	0.836	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7083	1.224	ug/L #	87

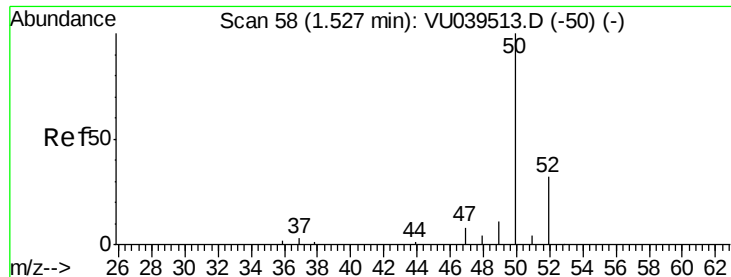
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 17 01:06:47 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.379 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

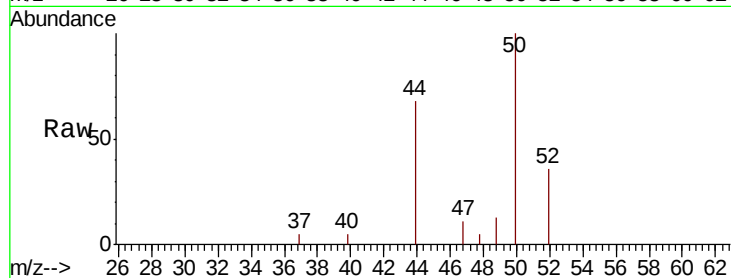
BFTA0

Tot Ion: 50 Resp: 2769

Ion Ratio Lower Upper

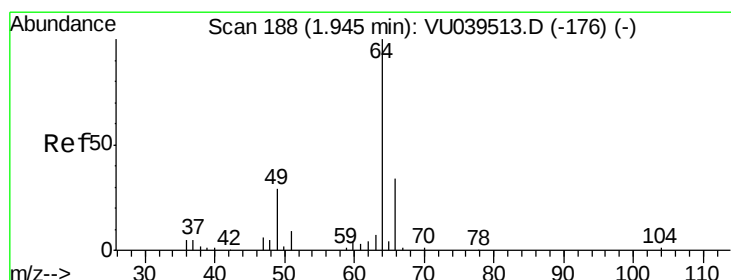
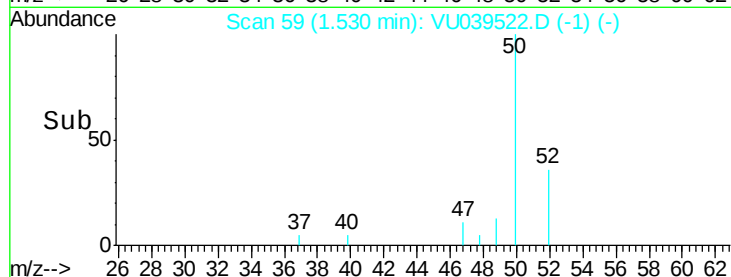
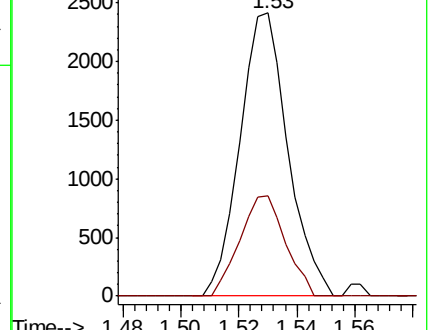
50 100

52 35.7 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039513.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039513.D (-50) (-)



#8

Chloroethane

Concen: 0.094 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU039522.D

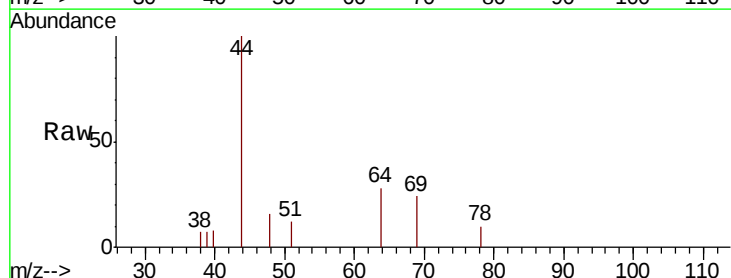
Acq: 16 Jul 2020 14:33

Tgt Ion: 64 Resp: 551

Ion Ratio Lower Upper

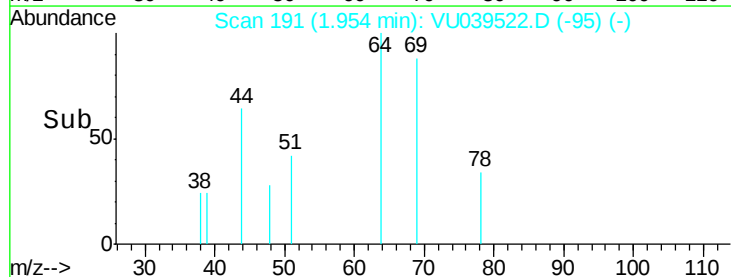
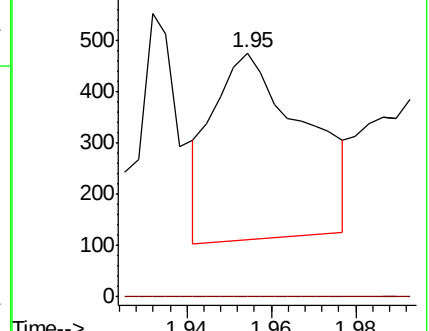
64 100

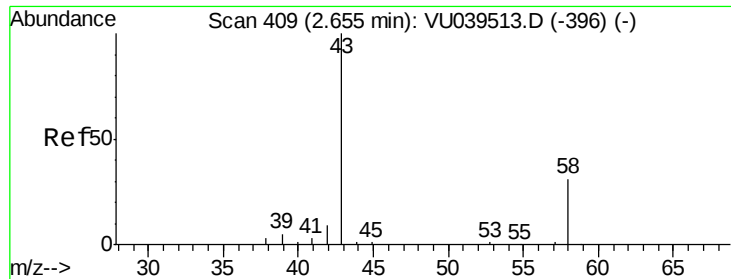
66 0.0 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039513.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU039513.D (-176) (-)





#13

Acetone

Concen: 5.398 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

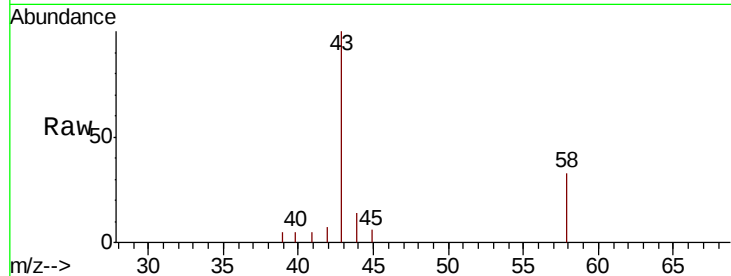
BFTA0

Tot Ion: 43 Resp: 7690

Ion Ratio Lower Upper

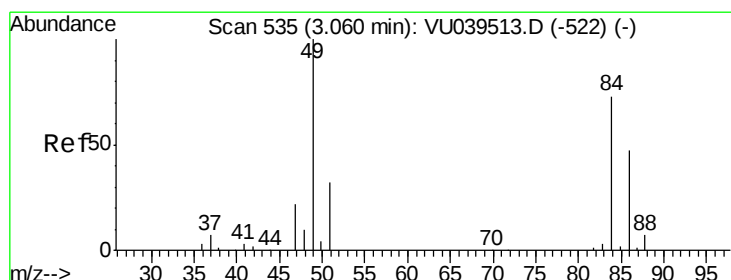
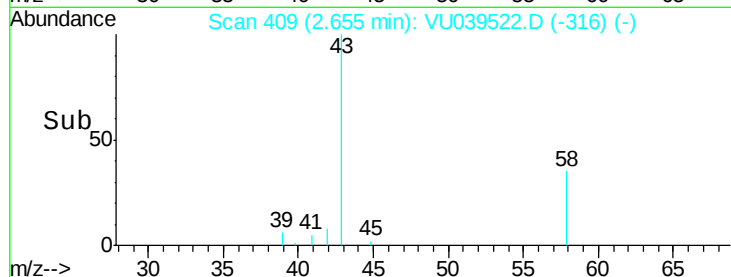
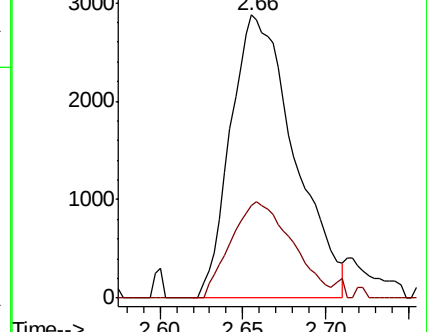
43 100

58 32.8 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039522.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU039522.D (-316) (-)



#16

Methylene chloride

Concen: 0.082 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

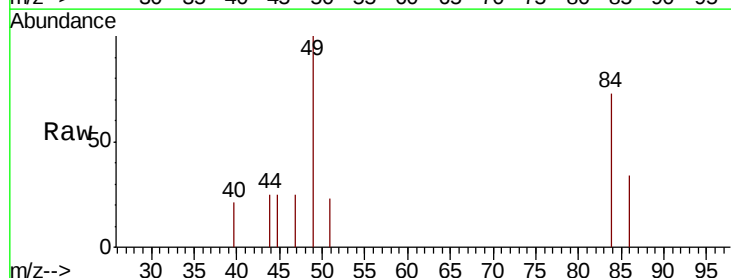
Tgt Ion: 84 Resp: 608

Ion Ratio Lower Upper

84 100

86 46.3 43.5 80.9

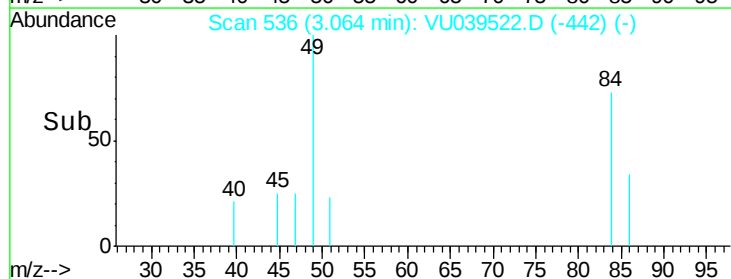
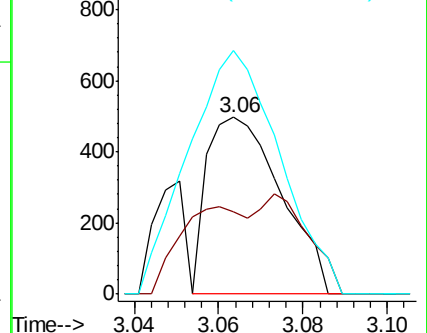
49 137.8 91.1 169.1

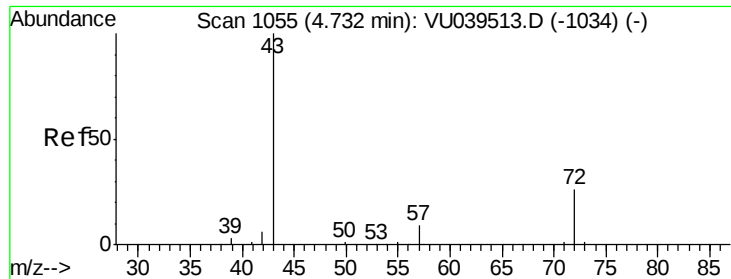


Abundance Ion 84.05 (83.75 to 84.75): VU039522.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039522.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039522.D (-442) (-)





#21

2-Butanone

Concen: 3.044 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

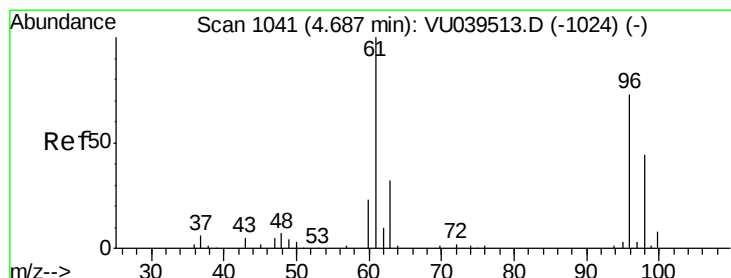
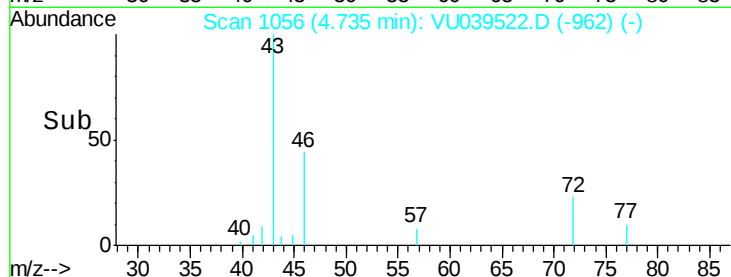
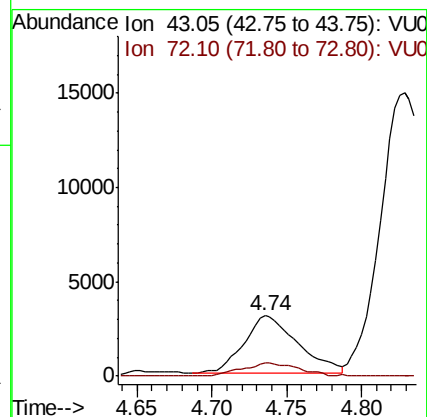
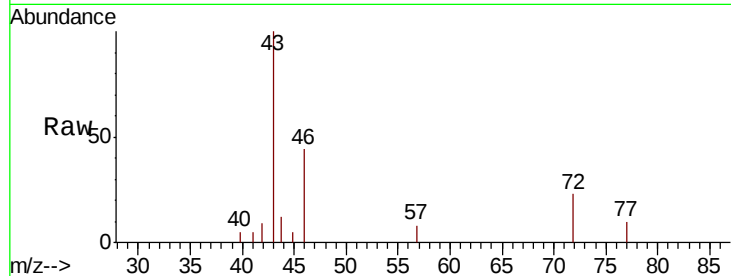
BFTA0

Tot Ion: 43 Resp: 7739

Ion Ratio Lower Upper

43 100

72 24.0 13.2 39.5



#22

cis-1,2-Dichloroethene

Concen: 0.093 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

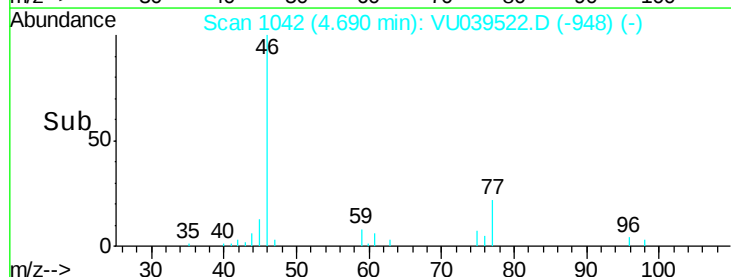
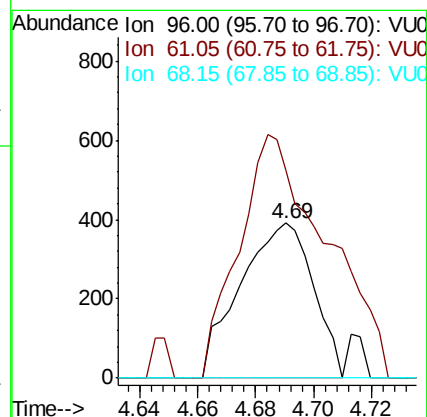
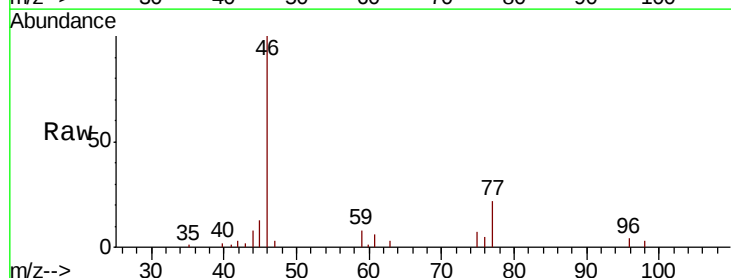
Tgt Ion: 96 Resp: 686

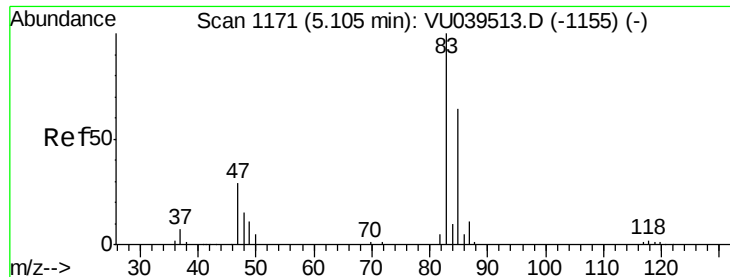
Ion Ratio Lower Upper

96 100

61 134.3 92.8 172.4

68 0.0 0.0 0.0

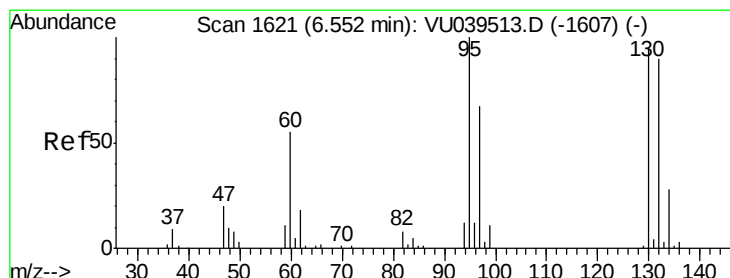
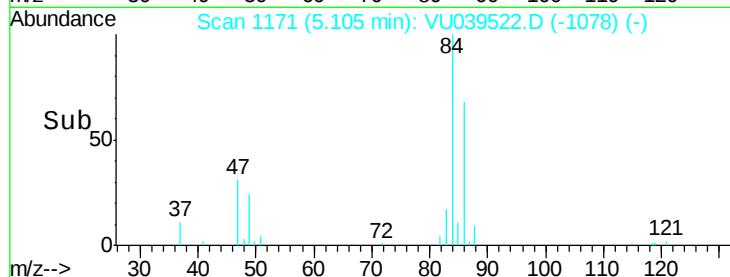
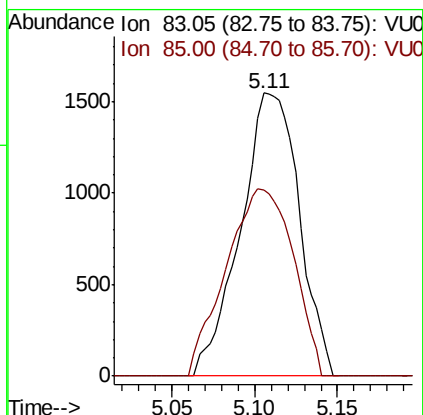
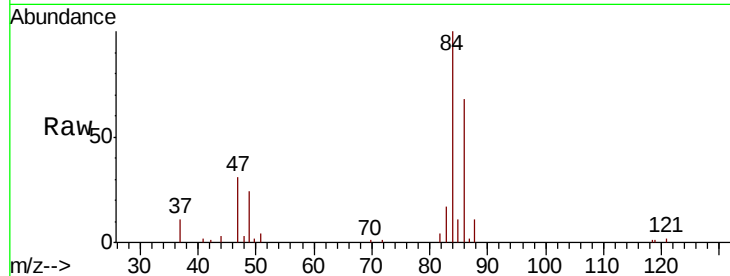




#25
Chloroform
Concen: 0.294 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039522.D
Acq: 16 Jul 2020 14:33

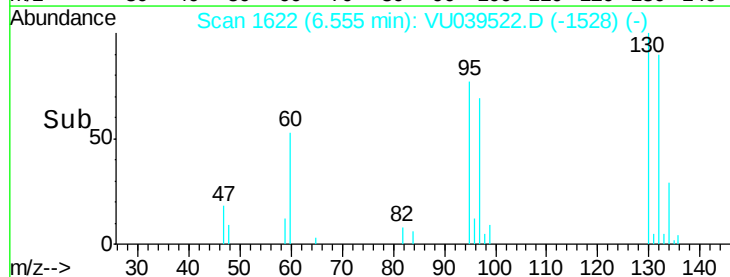
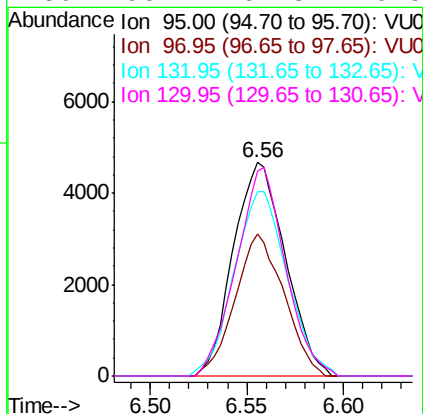
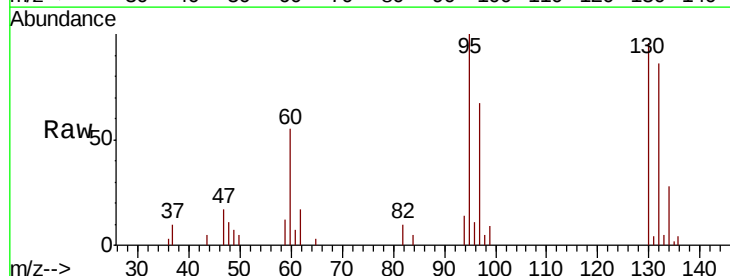
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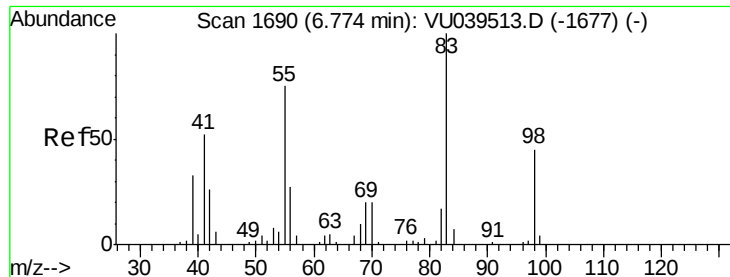
Tot Ion: 83 Resp: 3808
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5



#34
Trichloroethene
Concen: 1.169 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039522.D
Acq: 16 Jul 2020 14:33

Tgt Ion: 95 Resp: 8711
Ion Ratio Lower Upper
95 100
97 66.6 46.3 85.9
132 86.1 64.0 118.8
130 96.1 64.3 119.5

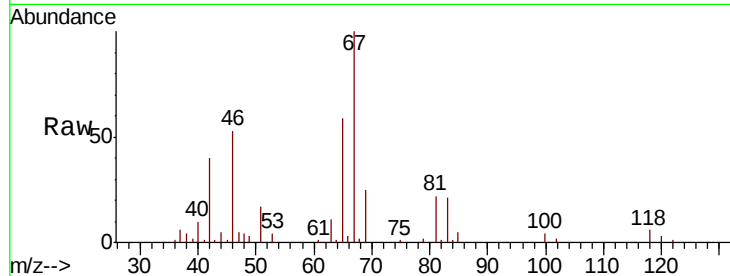




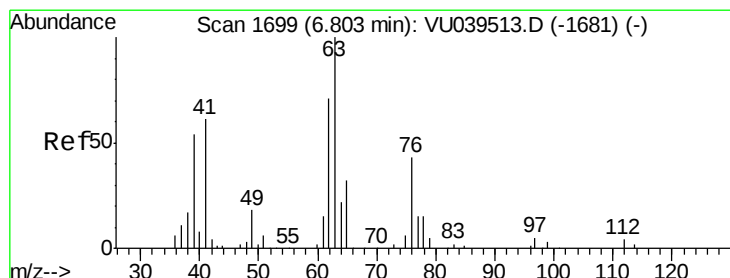
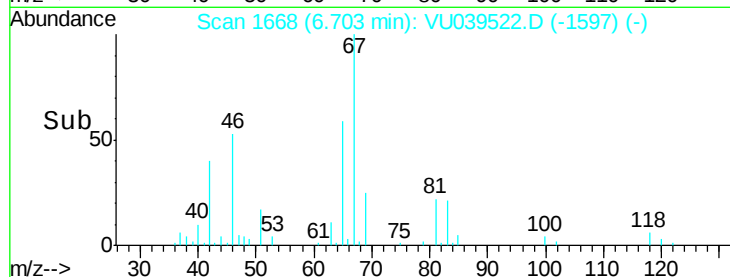
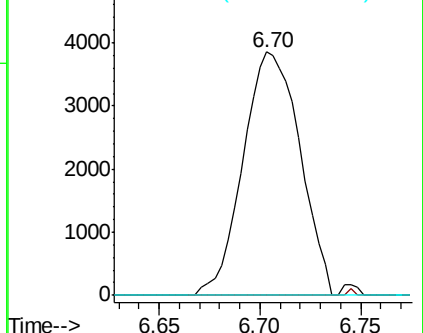
#35
Methvlcvclohexane
Concen: 0.635 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039522.D
Acq: 16 Jul 2020 14:33

Instrument :
MSVOA_U
ClientSampleId :
BFTA0

Tot Ion: 83 Resp: 7577
Ion Ratio Lower Upper
83 100
55 0.3 62.1 93.1#
98 1.4 35.9 53.9#

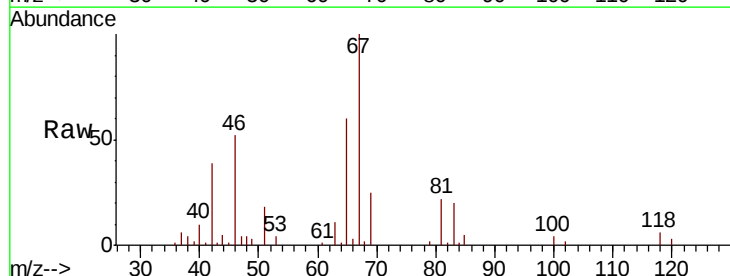


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

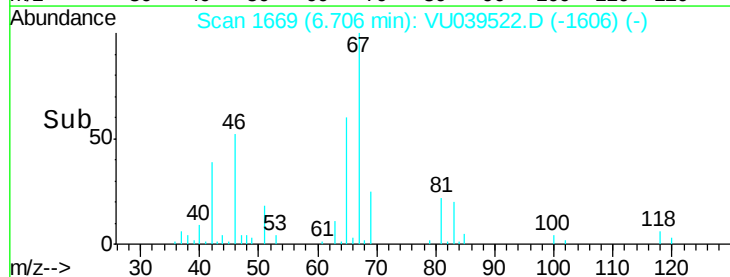
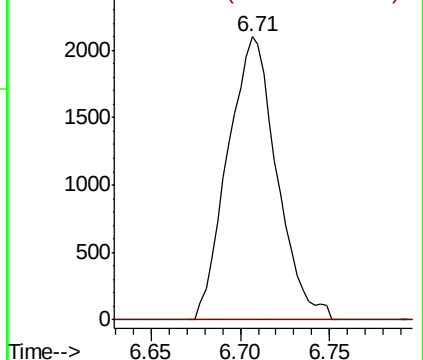


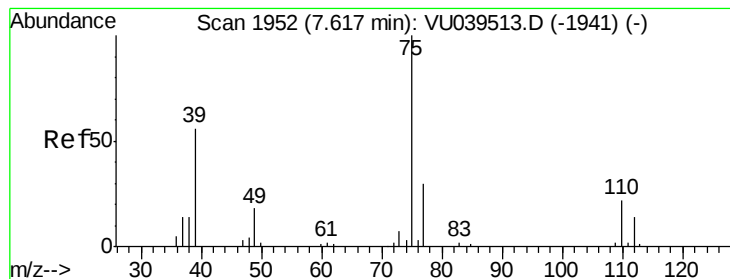
#37
1,2-Dichloropropane
Concen: 0.514 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039522.D
Acq: 16 Jul 2020 14:33

Tgt Ion: 63 Resp: 4034
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



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: 0.097 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

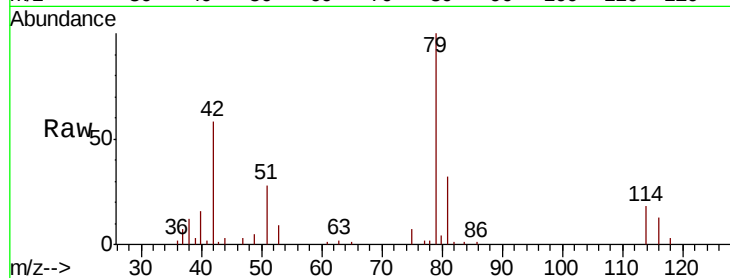
BFTA0

Tot Ion: 75 Resp: 1155

Ion Ratio Lower Upper

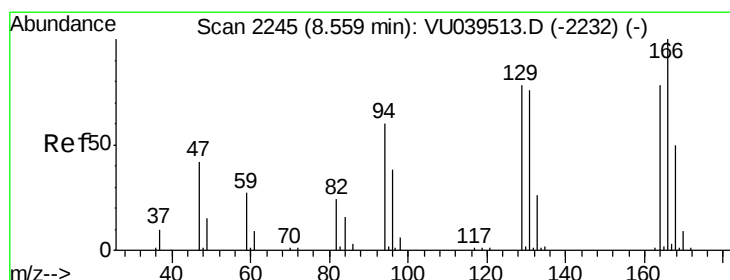
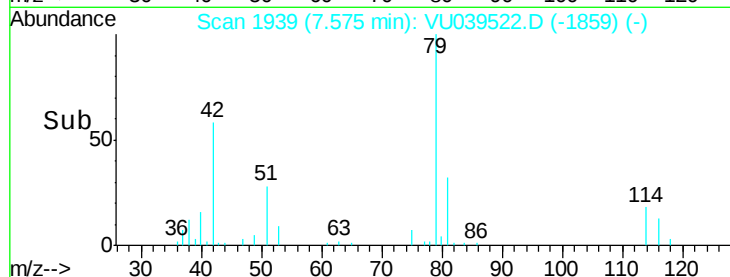
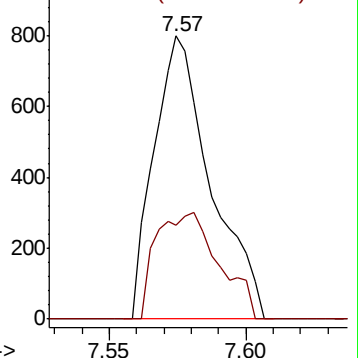
75 100

77 33.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 1.072 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Tgt Ion:164 Resp: 5555

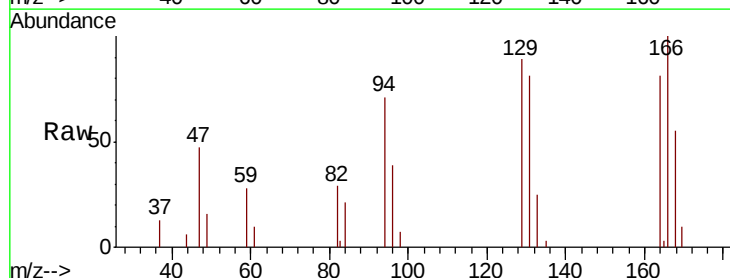
Ion Ratio Lower Upper

164 100

129 109.8 68.6 127.4

131 100.2 66.4 123.4

166 123.1 85.9 159.5

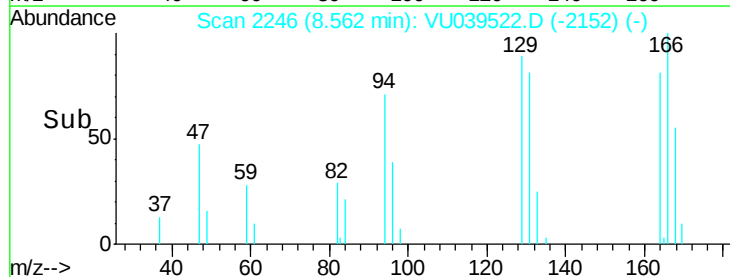
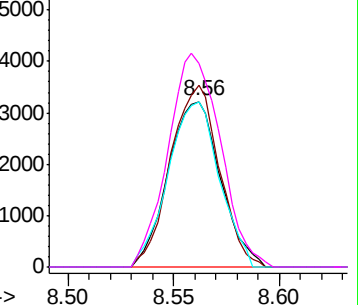


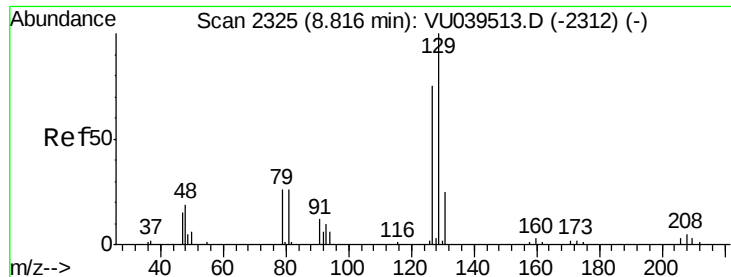
Abundance Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 0.836 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

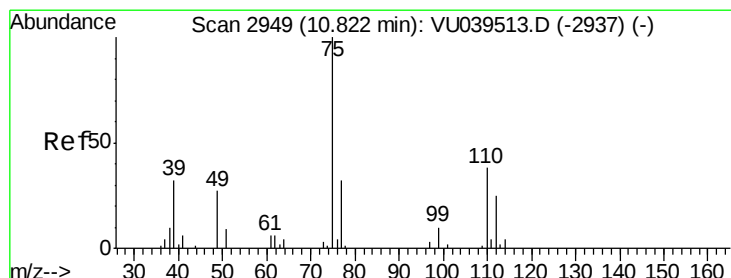
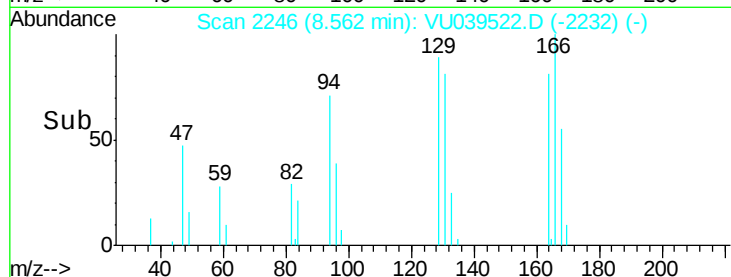
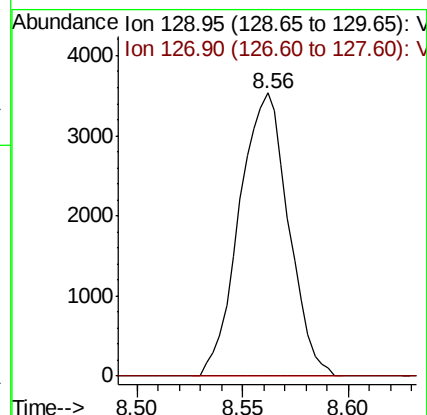
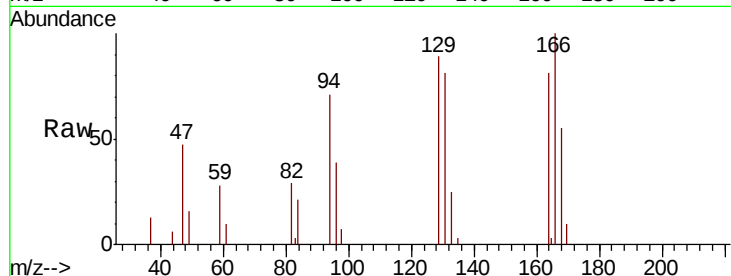
BFTA0

Tot Ion:129 Resp: 5712

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#59

1,2,3-Trichloropropane

Concen: 1.224 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039522.D

Acq: 16 Jul 2020 14:33

Tgt Ion: 75 Resp: 7083

Ion Ratio Lower Upper

75 100

77 41.2 26.8 40.2#

