

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039480.D
 Acq On : 14 Jul 2020 13:31
 Operator : SY/MD
 Sample : L3292-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT94

Quant Time: Jul 15 06:23:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 06:21:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	93645	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	88155	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24875	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.93	69	27607	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.58	63	40379	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	4.65	46	114620	46.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.30%
24) Chloroform-d	5.09	84	55294	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	34635	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.75	84	108583	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.70	67	37803	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.91	98	95118	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.19	79	14505	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.64	63	85361	43.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.40%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	33592	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	35765	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

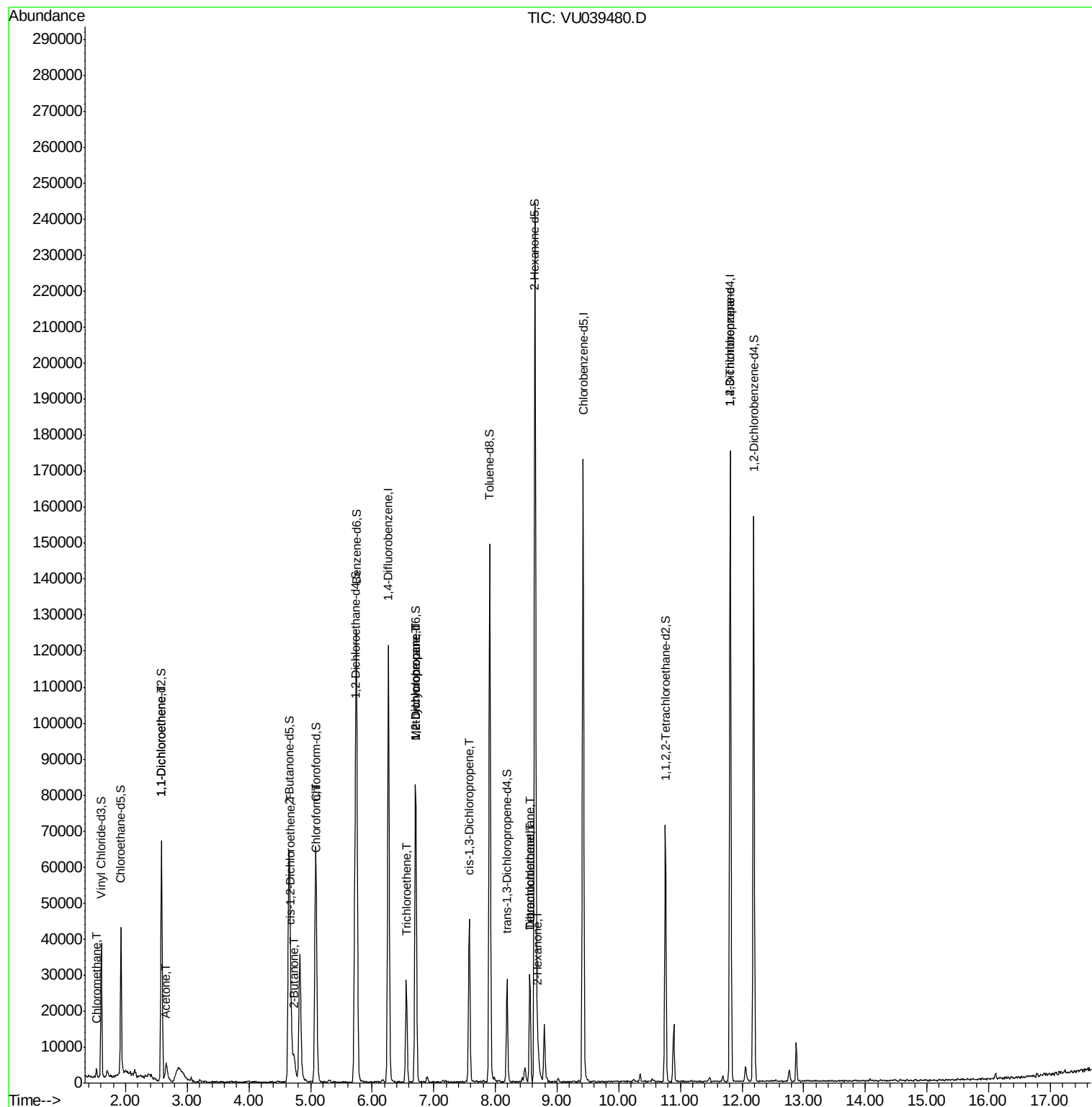
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1577	0.229	ug/L	89
12) 1,1-Dichloroethene	2.59	96	376	0.068	ug/L #	1
13) Acetone	2.66	43	9192	6.857	ug/L	93
21) 2-Butanone	4.73	43	8608	3.598	ug/L #	71
22) cis-1,2-Dichloroethene	4.69	96	633	0.092	ug/L	71
25) Chloroform	5.11	83	3301	0.271	ug/L	100
34) Trichloroethene	6.56	95	8731	1.281	ug/L	98
35) Methylcyclohexane	6.70	83	8149	0.747	ug/L #	23
37) 1,2-Dichloropropane	6.71	63	4462	0.621	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1248	0.115	ug/L	90
47) Tetrachloroethene	8.56	164	5762	1.216	ug/L	92
48) 2-Hexanone	8.69	43	4890	1.107	ug/L #	45
49) Dibromochloromethane	8.56	129	5487	0.878	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6410	1.211	ug/L	92

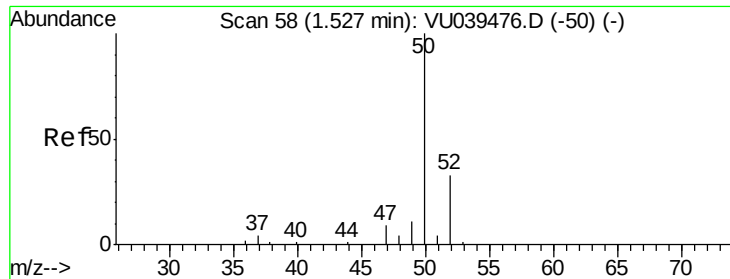
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 06:21:40 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.229 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

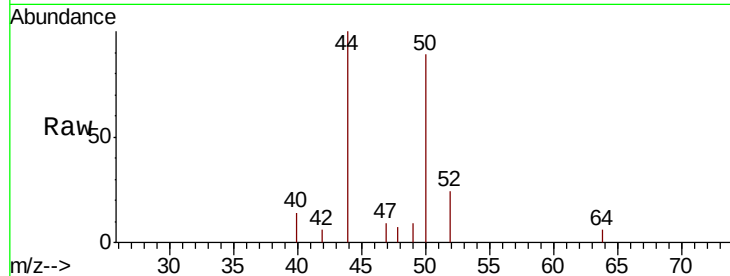
BFT94

Tot Ion: 50 Resp: 1577

Ion Ratio Lower Upper

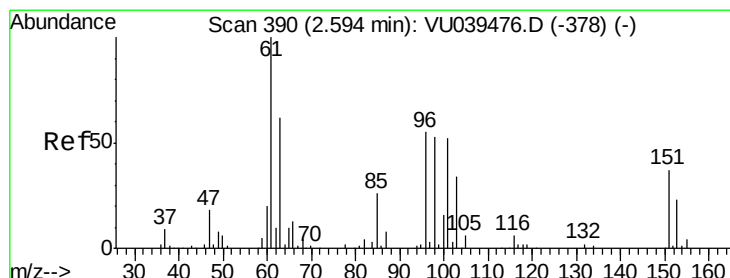
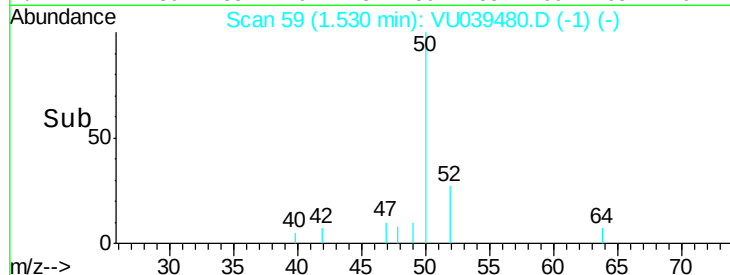
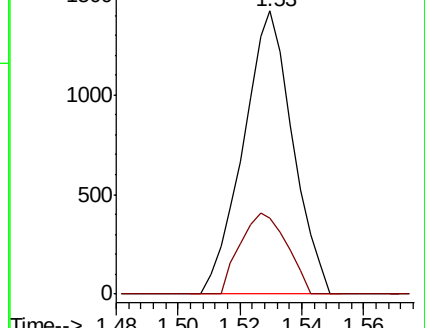
50 100

52 26.8 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039480.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039480.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

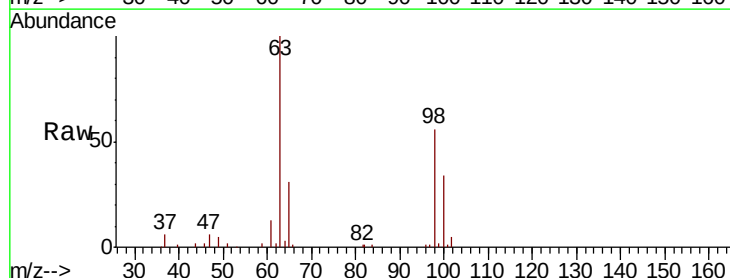
Tgt Ion: 96 Resp: 376

Ion Ratio Lower Upper

96 100

61 1203.7 125.4 232.8#

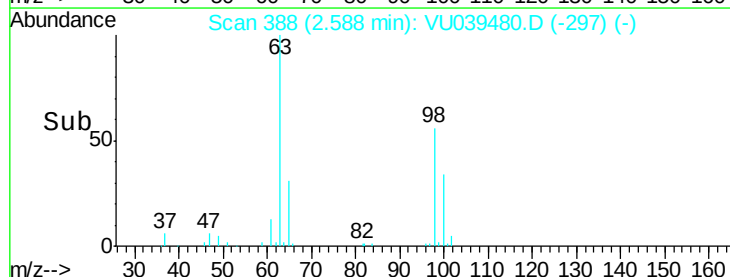
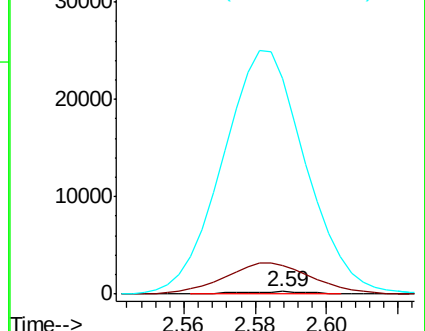
63 9068.9 92.7 172.3#

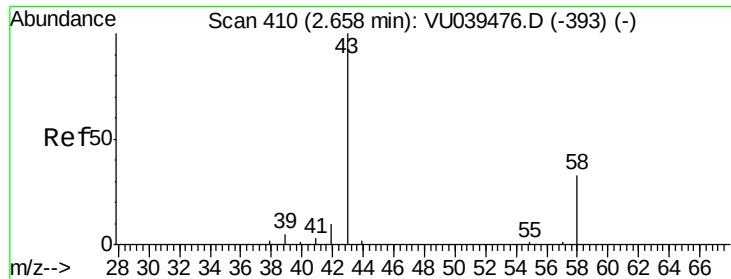


Abundance Ion 96.00 (95.70 to 96.70): VU039480.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU039480.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU039480.D (-297) (-)





#13

Acetone

Concen: 6.857 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Instrument :

MSVOA_U

ClientSampled :

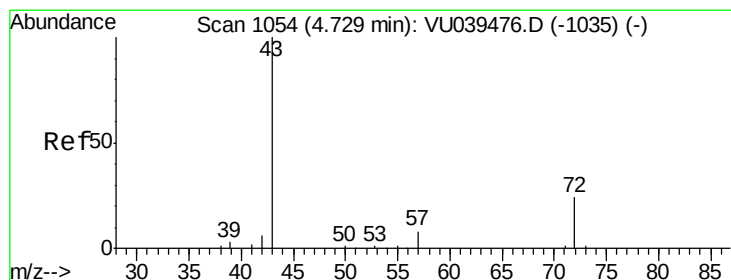
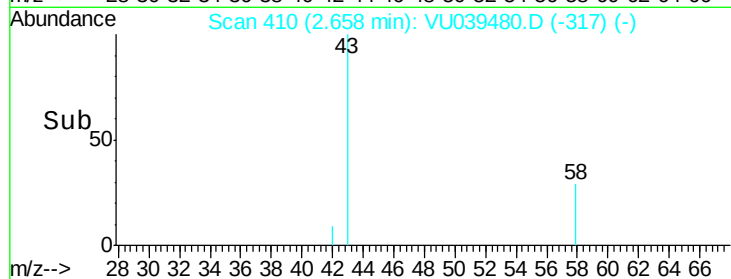
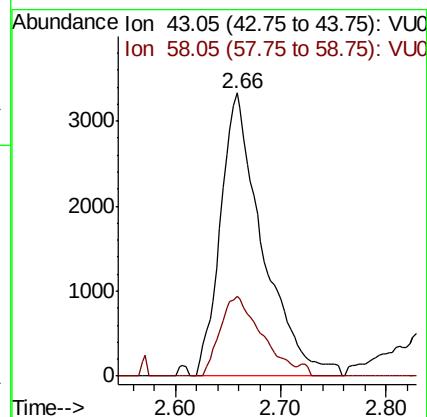
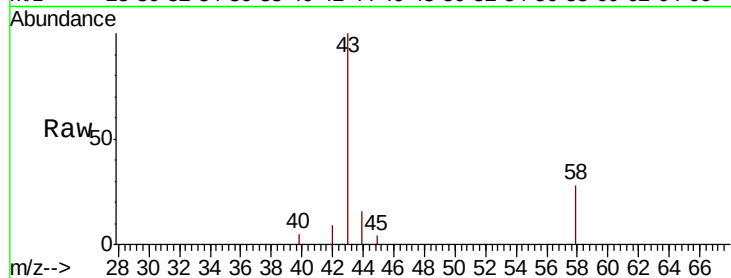
BFT94

Tot Ion: 43 Resp: 9192

Ion Ratio Lower Upper

43 100

58 27.7 0.0 62.8



#21

2-Butanone

Concen: 3.598 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VU039480.D

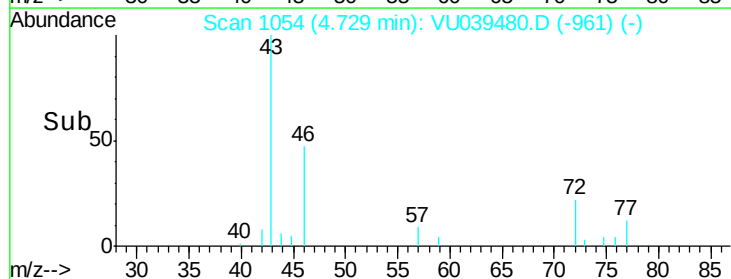
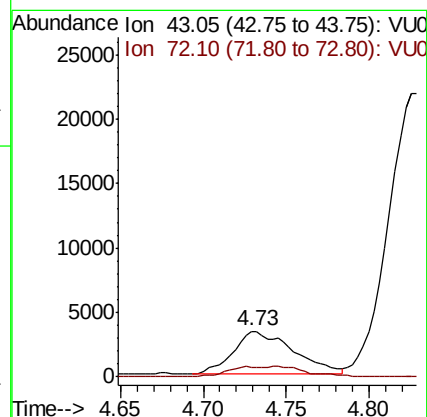
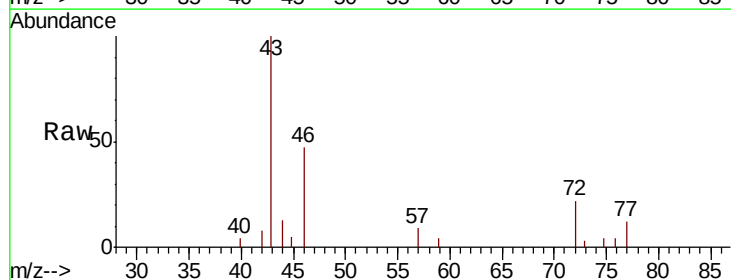
Acq: 14 Jul 2020 13:31

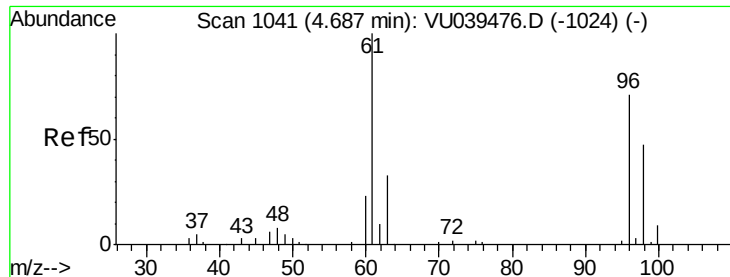
Tgt Ion: 43 Resp: 8608

Ion Ratio Lower Upper

43 100

72 11.6 13.2 39.5#





#22

cis-1,2-Dichloroethene

Concen: 0.092 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

BFT94

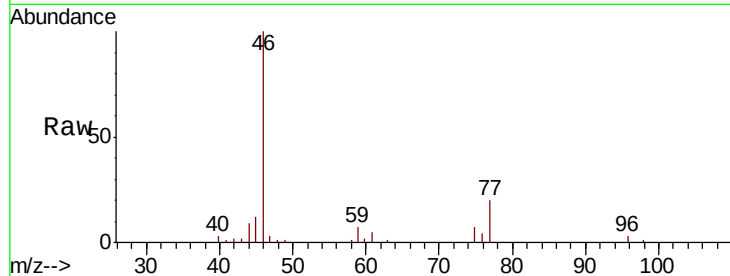
Tot Ion: 96 Resp: 633

Ion Ratio Lower Upper

96 100

61 166.6 92.8 172.4

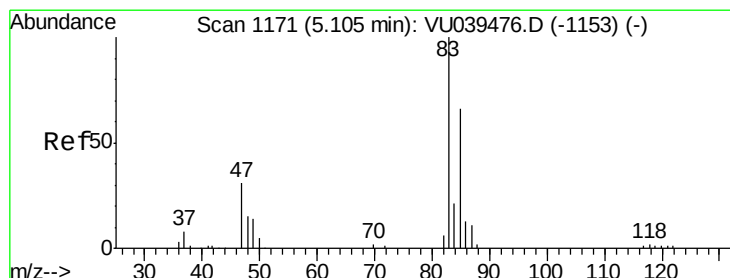
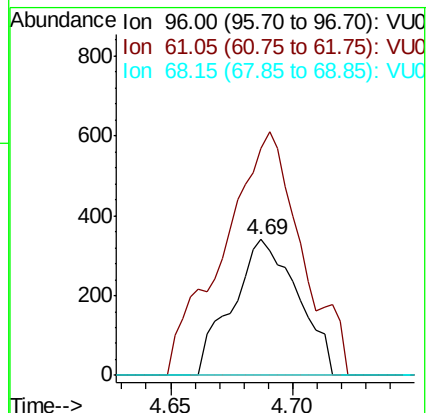
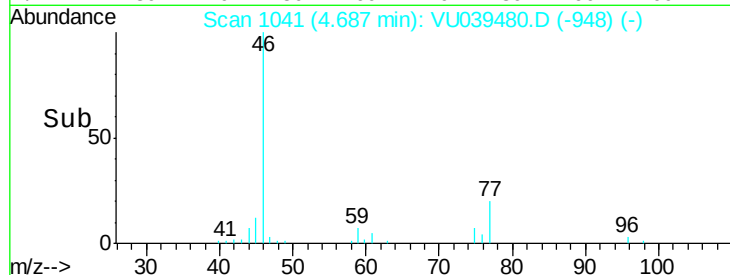
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039480.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039480.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039480.D (-948) (-)



#25

Chloroform

Concen: 0.271 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU039480.D

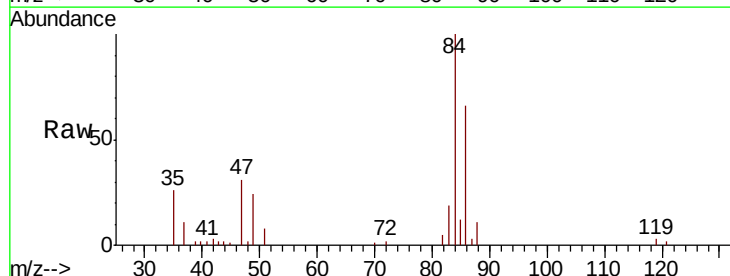
Acq: 14 Jul 2020 13:31

Tgt Ion: 83 Resp: 3301

Ion Ratio Lower Upper

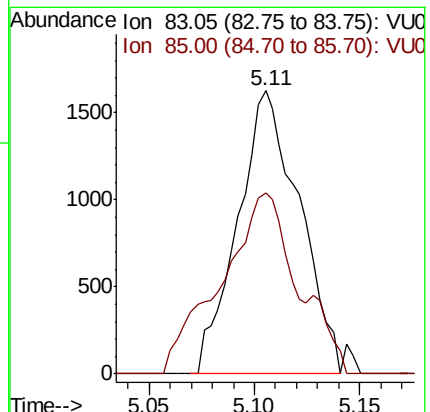
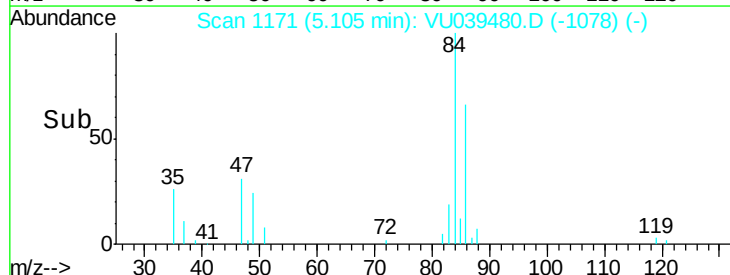
83 100

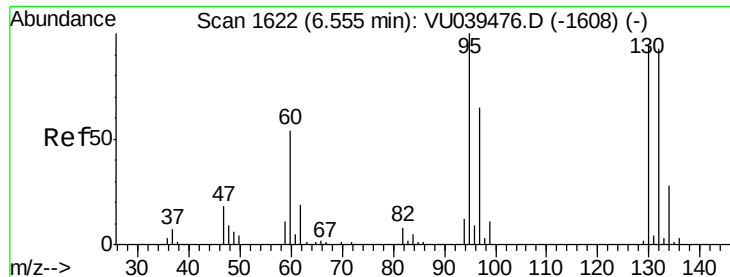
85 64.0 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039480.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039480.D (-1078) (-)





#34

Trichloroethene

Concen: 1.281 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

BFT94

Tot Ion: 95 Resp: 8731

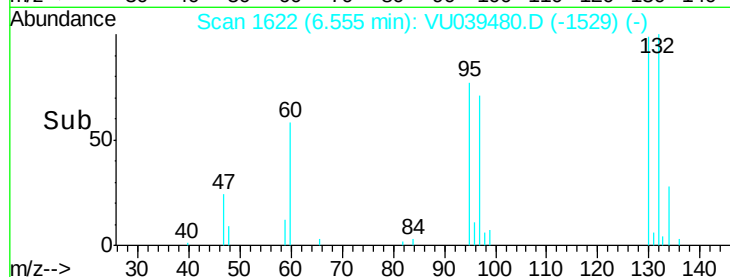
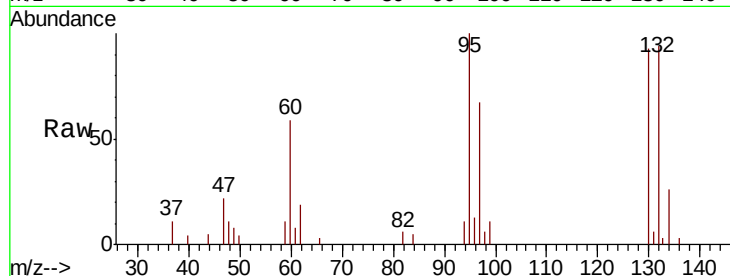
Ion Ratio Lower Upper

95 100

97 66.6 46.3 85.9

132 94.2 64.0 118.8

130 93.0 64.3 119.5

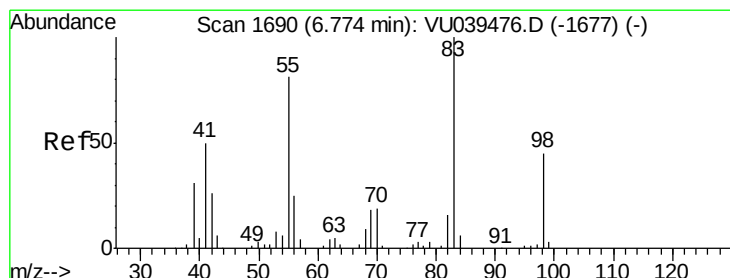
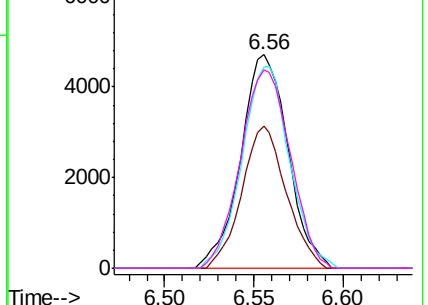


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.747 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

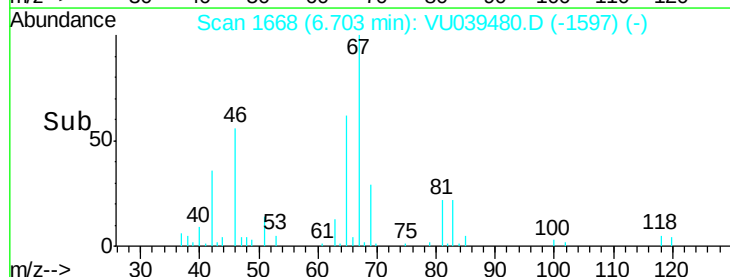
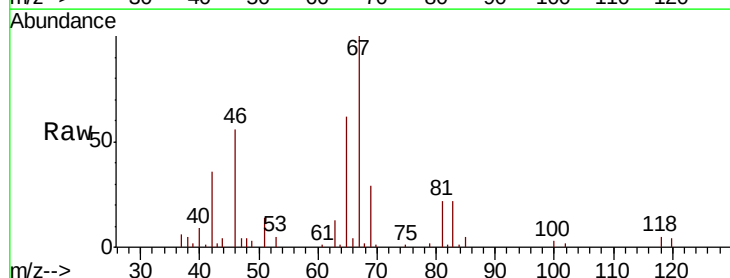
Tgt Ion: 83 Resp: 8149

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

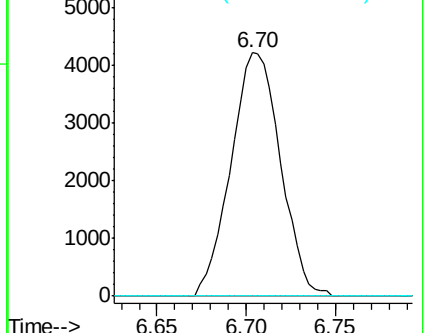
98 9.4 35.9 53.9#

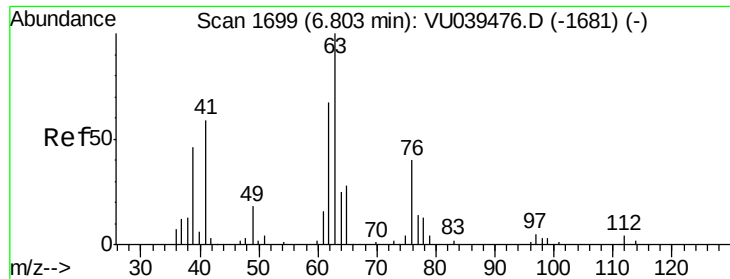


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

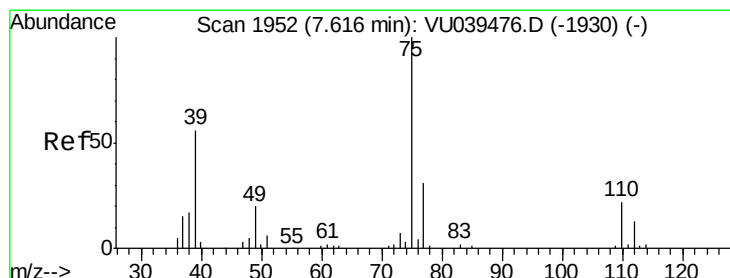
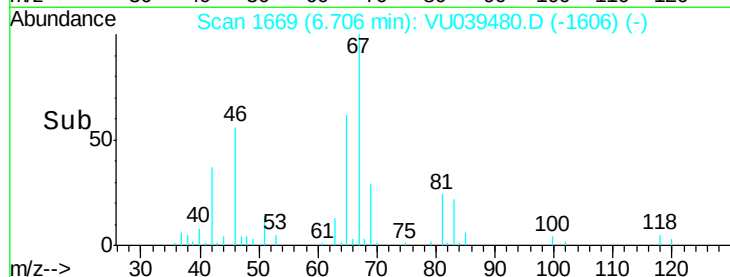
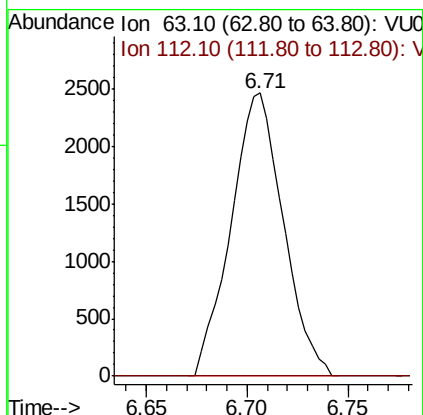
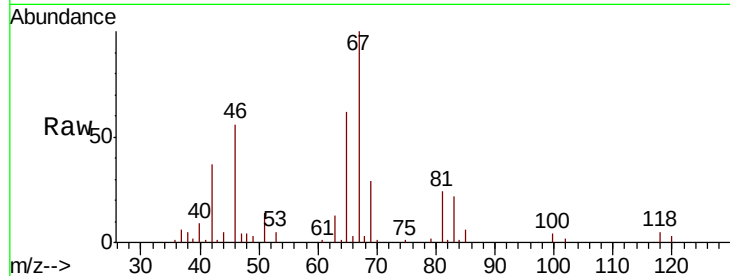




#37
 1,2-Dichloropropane
 Concen: 0.621 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039480.D
 Acq: 14 Jul 2020 13:31

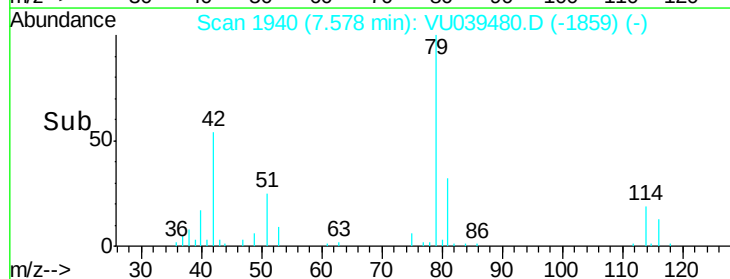
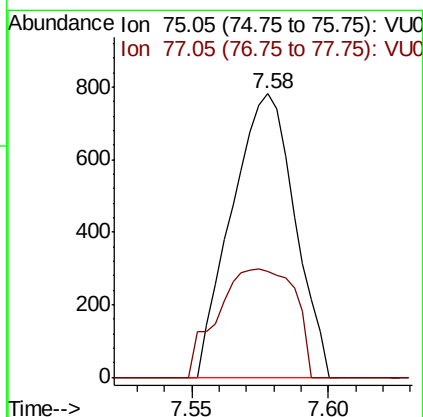
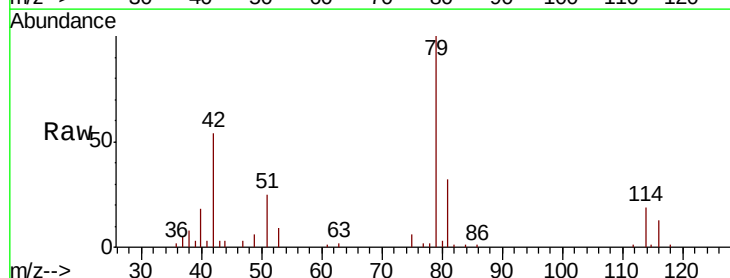
Instrument :
 MSVOA_U
 ClientSampleId :
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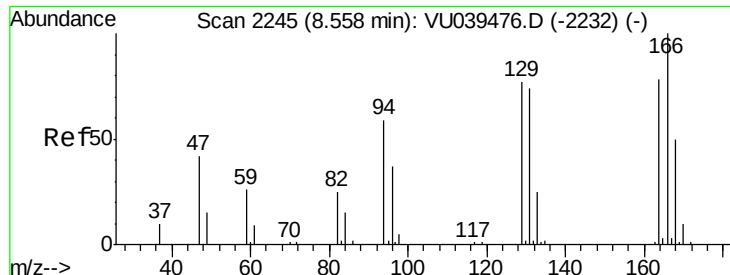
Tot Ion: 63 Resp: 4462
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039480.D
 Acq: 14 Jul 2020 13:31

Tgt Ion: 75 Resp: 1248
 Ion Ratio Lower Upper
 75 100
 77 37.4 22.3 41.3





#47

Tetrachloroethene

Concen: 1.216 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

BFT94

Tot Ion:164 Resp: 5762

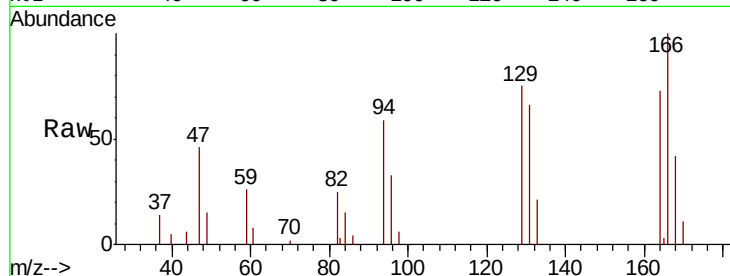
Ion Ratio Lower Upper

164 100

129 103.1 68.6 127.4

131 90.4 66.4 123.4

166 137.0 85.9 159.5

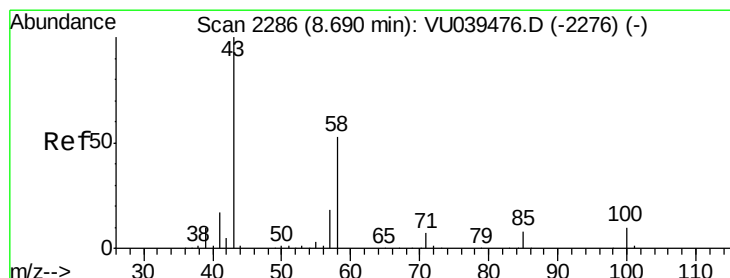
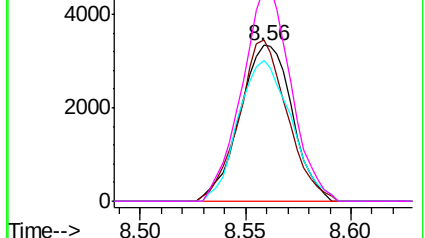
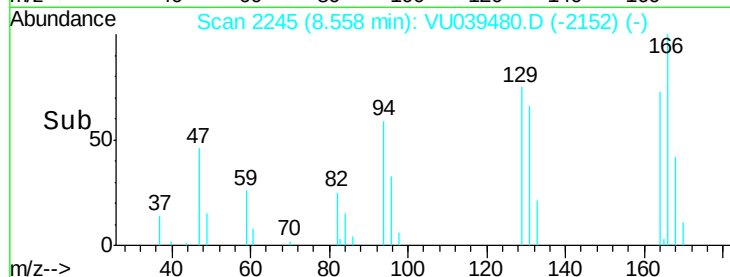


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.107 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Tgt Ion: 43 Resp: 4890

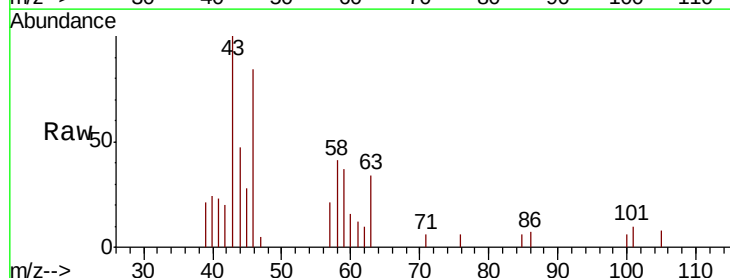
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 9.7 14.0 21.0#

100 2.6 8.2 12.2#

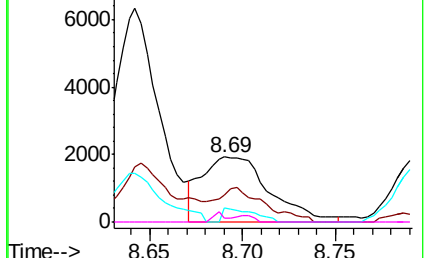
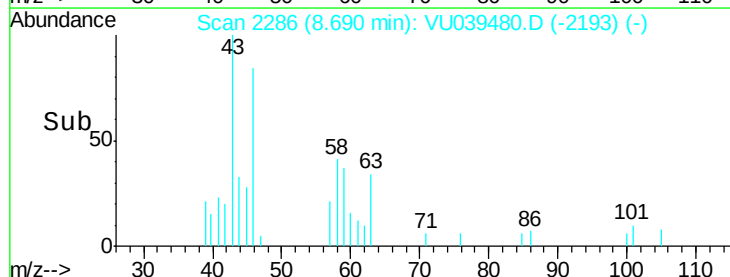


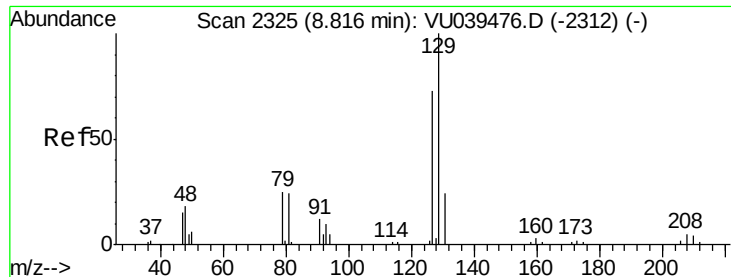
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.878 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039480.D

Acq: 14 Jul 2020 13:31

Instrument :

MSVOA_U

ClientSampleId :

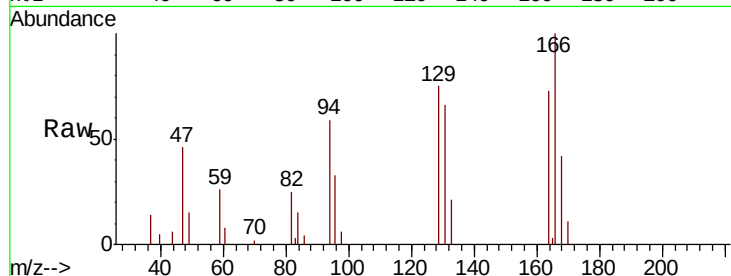
BFT94

Tot Ion:129 Resp: 5487

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

4000

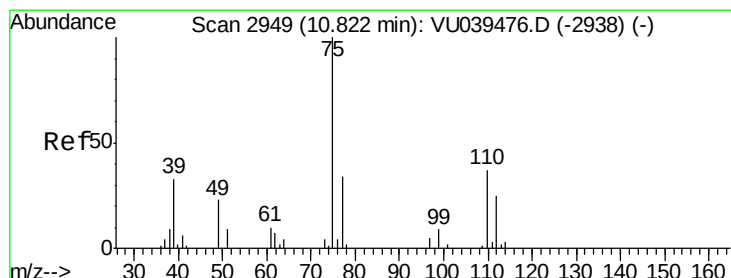
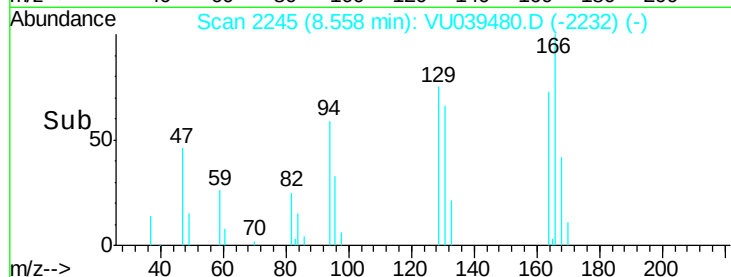
3000

2000

1000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.211 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039480.D

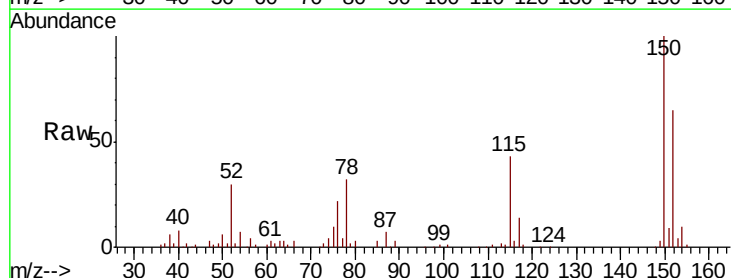
Acq: 14 Jul 2020 13:31

Tgt Ion: 75 Resp: 6410

Ion Ratio Lower Upper

75 100

77 37.8 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

