

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071520\
 Data File : VU039498.D
 Acq On : 15 Jul 2020 14:48
 Operator : SY/MD
 Sample : L3292-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT99

Quant Time: Jul 16 04:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 16 04:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	92993	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89377	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21637	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.92	69	25774	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.58	63	36694	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.65	46	110012	44.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.22%
24) Chloroform-d	5.08	84	52627	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	33961	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.74	84	102506	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.70	67	34691	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.91	98	91370	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.19	79	14084	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.64	63	80948	40.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.76%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	31948	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	35597	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

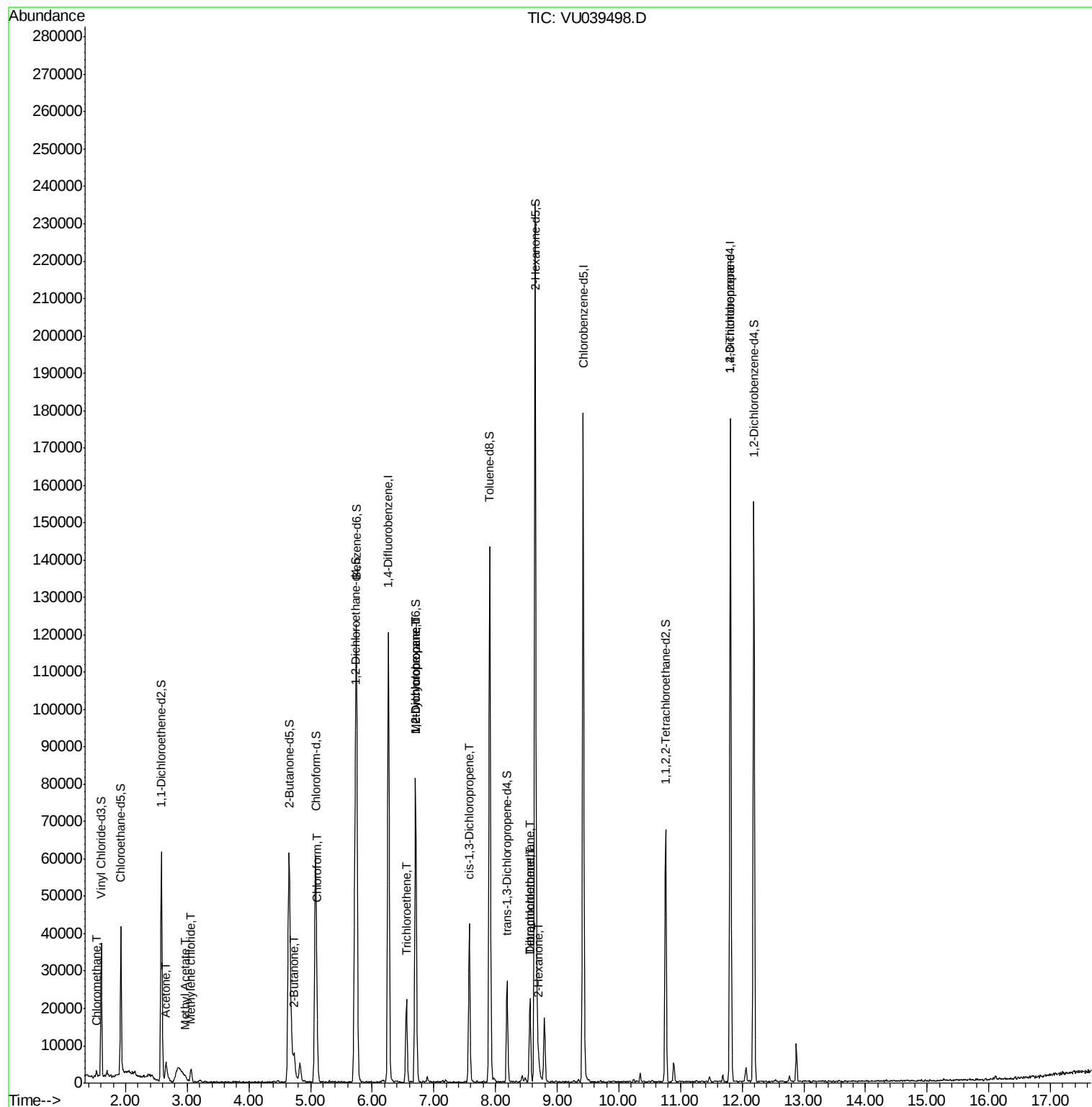
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1292	0.189	ug/L	98
13) Acetone	2.66	43	8966	6.736	ug/L	91
15) Methyl Acetate	2.97	43	619	0.176	ug/L #	52
16) Methylene chloride	3.07	84	1519	0.218	ug/L	91
21) 2-Butanone	4.73	43	9564	4.025	ug/L	99
25) Chloroform	5.11	83	4591	0.379	ug/L	92
34) Trichloroethene	6.56	95	7161	1.037	ug/L	95
35) Methylcyclohexane	6.71	83	7930	0.717	ug/L #	21
37) 1,2-Dichloropropane	6.71	63	4249	0.583	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1151	0.105	ug/L #	52
47) Tetrachloroethene	8.56	164	4392	0.914	ug/L	95
48) 2-Hexanone	8.70	43	4441	0.991	ug/L #	65
49) Dibromochloromethane	8.56	129	4285	0.676	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6749	1.257	ug/L	92

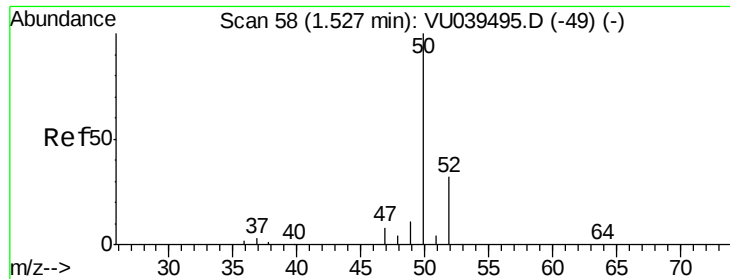
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 04:11:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 16 04:09:55 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.189 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

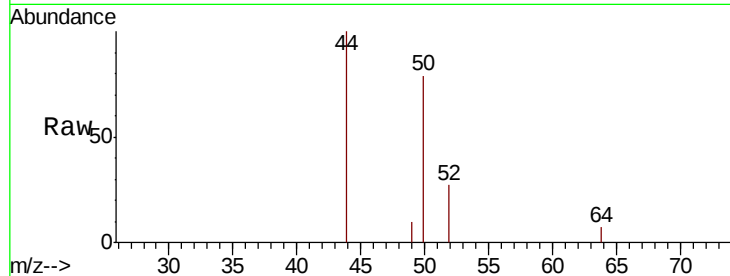
Instrument :
MSVOA_U
ClientSampleId :
BFT99

Tot Ion: 50 Resp: 1292

Ion Ratio Lower Upper

50 100

52 34.2 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039498.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039498.D (-1) (-)

1.53

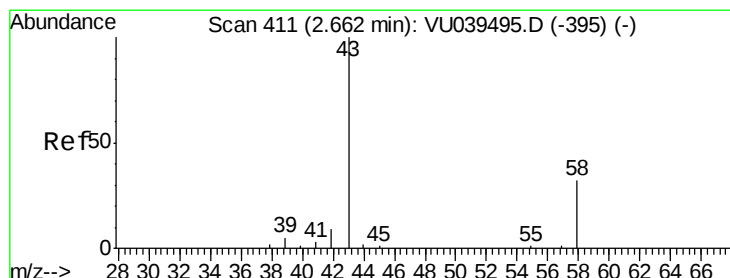
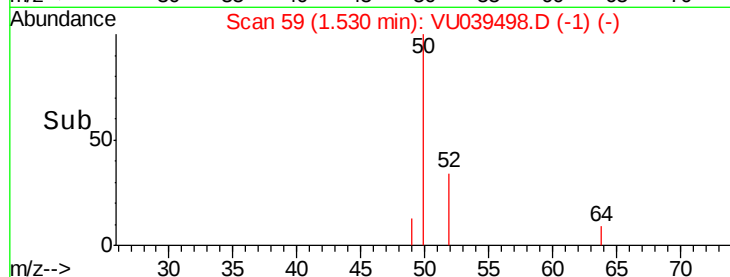
1000

500

0

1.50 1.52 1.54 1.56

Time-->



#13

Acetone

Concen: 6.736 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU039498.D

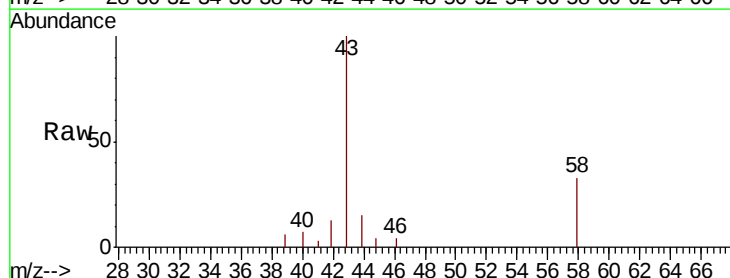
Acq: 15 Jul 2020 14:48

Tgt Ion: 43 Resp: 8966

Ion Ratio Lower Upper

43 100

58 26.5 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039498.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU039498.D (-318) (-)

2.66

3000

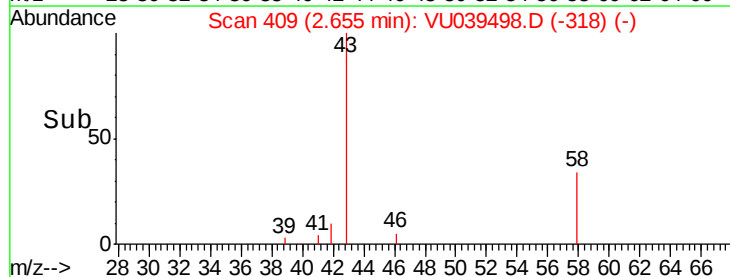
2000

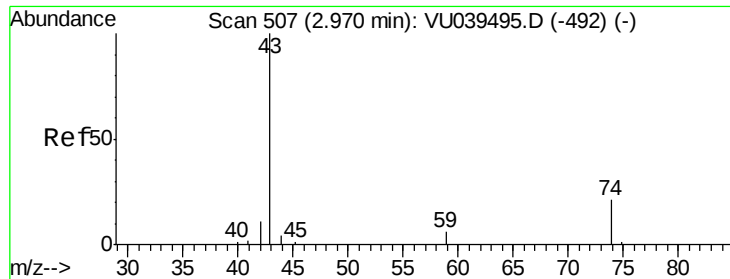
1000

0

2.60 2.70 2.80

Time-->





#15

Methvl Acetate

Concen: 0.176 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

Instrument :

MSVOA_U

ClientSampled :

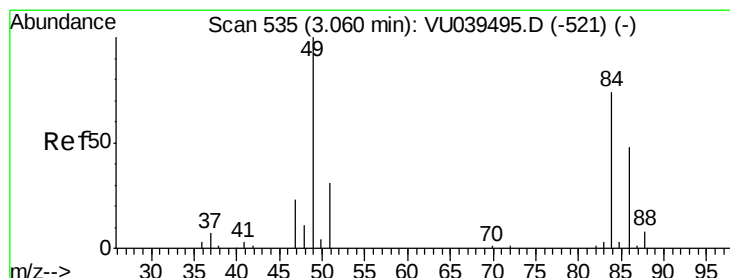
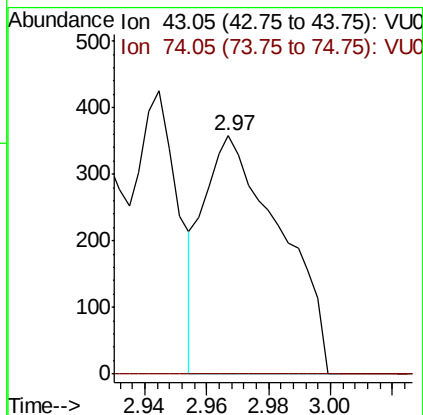
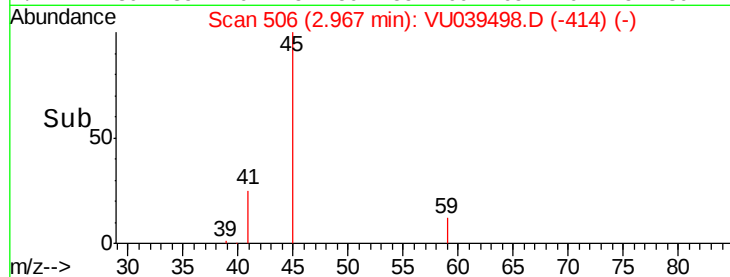
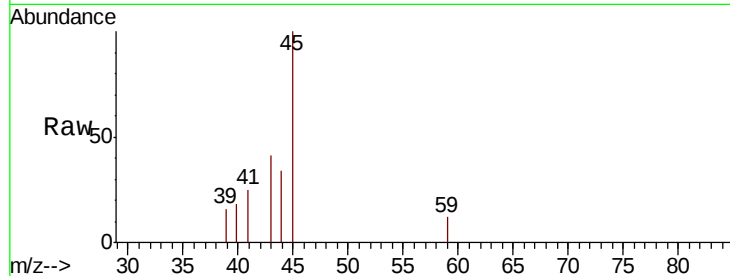
BFT99

Tot Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#



#16

Methylene chloride

Concen: 0.218 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

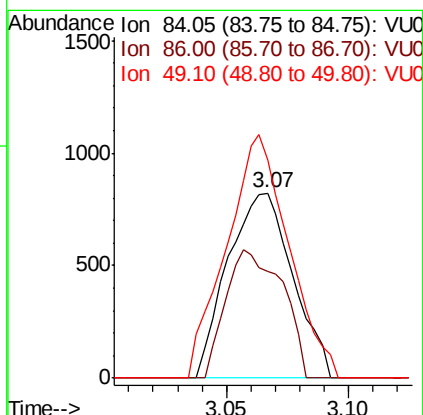
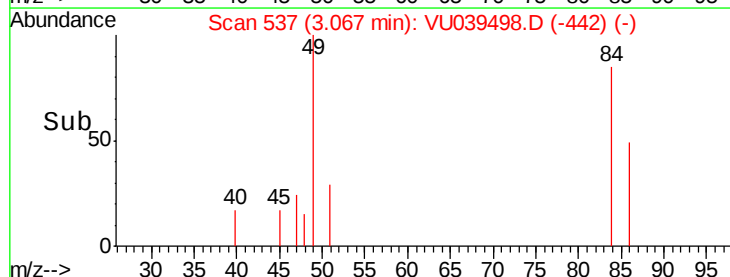
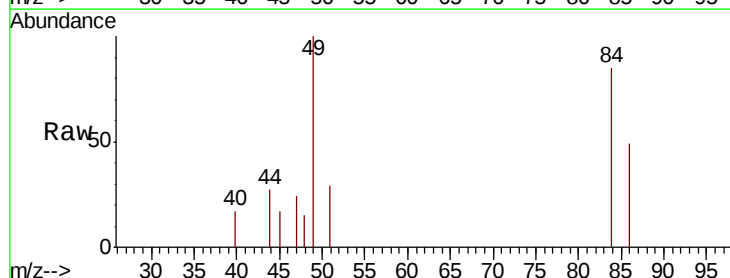
Tgt Ion: 84 Resp: 1519

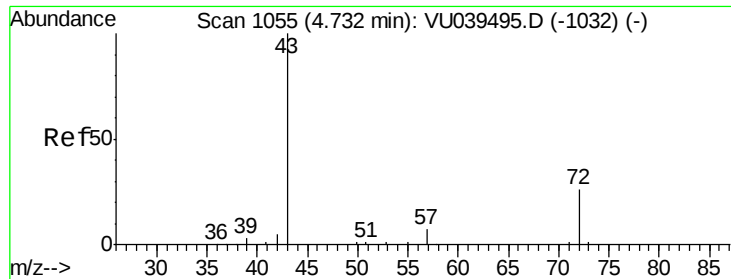
Ion Ratio Lower Upper

84 100

86 57.4 43.5 80.9

49 118.1 91.1 169.1





#21

2-Butanone

Concen: 4.025 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

Instrument :

MSVOA_U

ClientSampled :

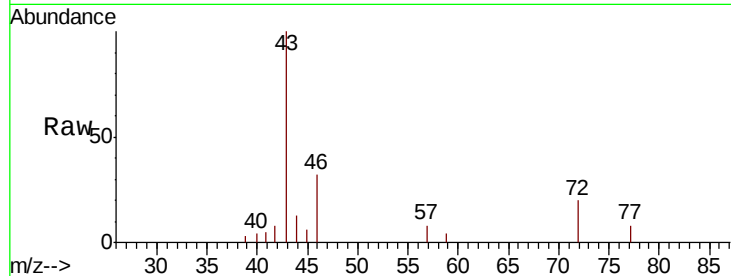
BFT99

Tot Ion: 43 Resp: 9564

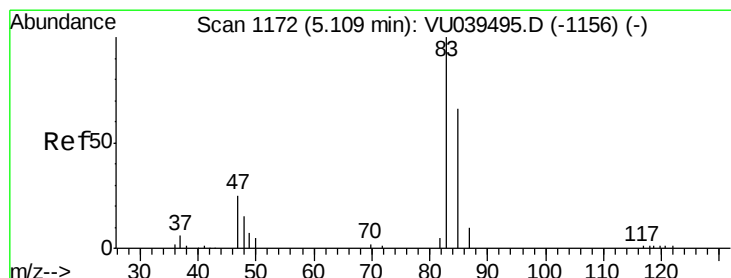
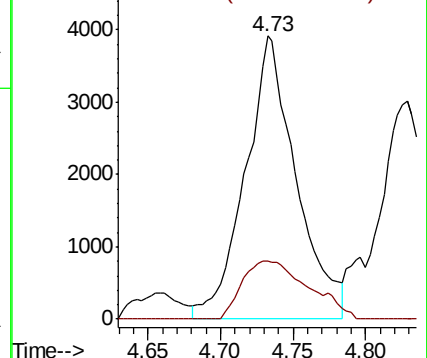
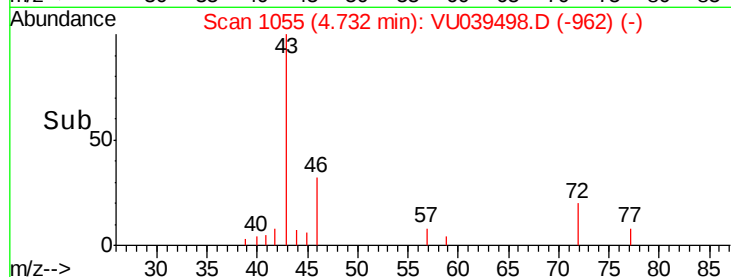
Ion Ratio Lower Upper

43 100

72 26.9 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039498.D (-962) (-)



#25

Chloroform

Concen: 0.379 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU039498.D

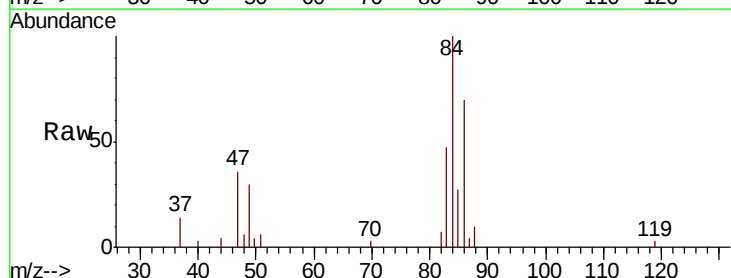
Acq: 15 Jul 2020 14:48

Tgt Ion: 83 Resp: 4591

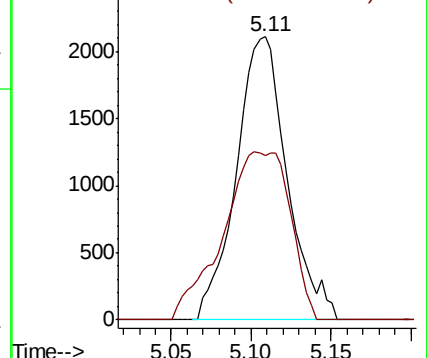
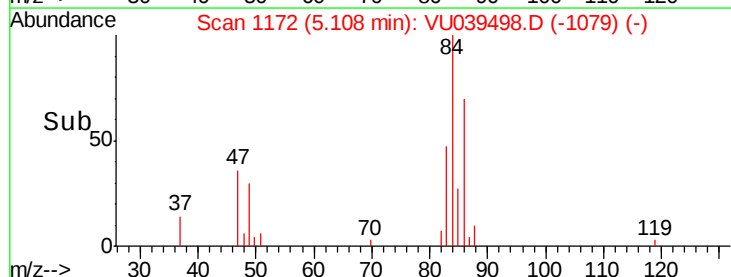
Ion Ratio Lower Upper

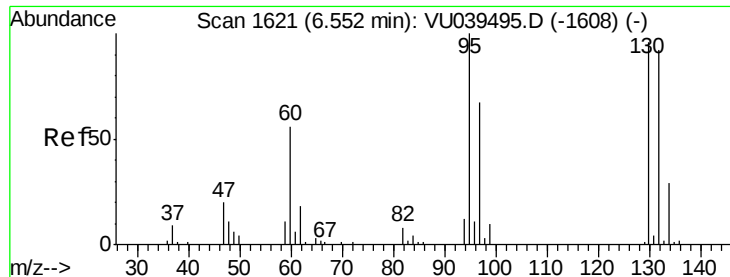
83 100

85 58.2 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039498.D (-1079) (-)





#34

Trichloroethene

Concen: 1.037 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

BFT99

Tot Ion: 95 Resp: 7161

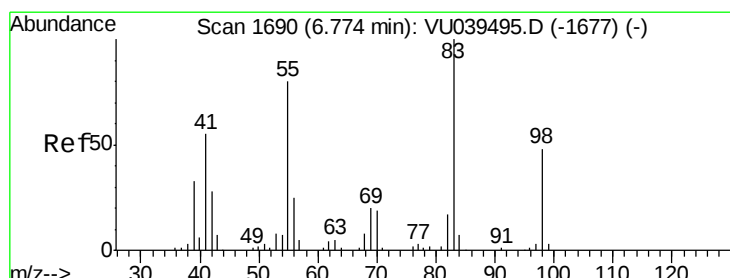
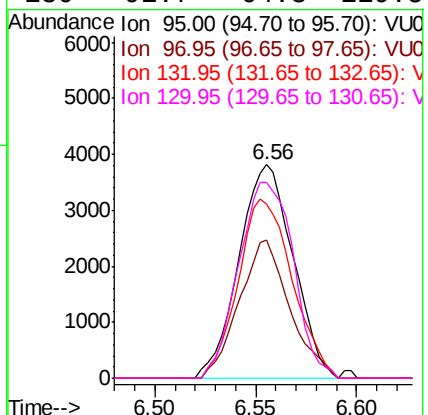
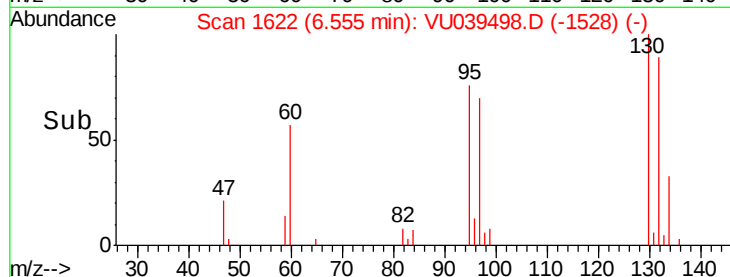
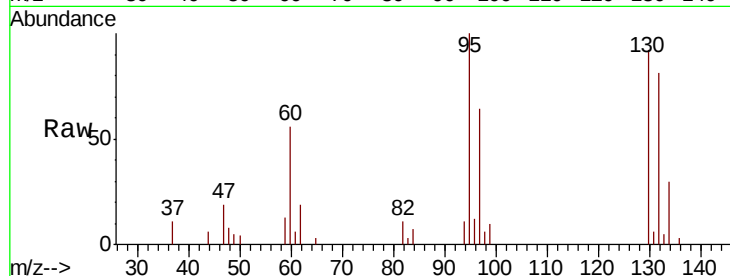
Ion Ratio Lower Upper

95 100

97 64.5 46.3 85.9

132 81.2 64.0 118.8

130 91.7 64.3 119.5



#35

Methylcyclohexane

Concen: 0.717 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

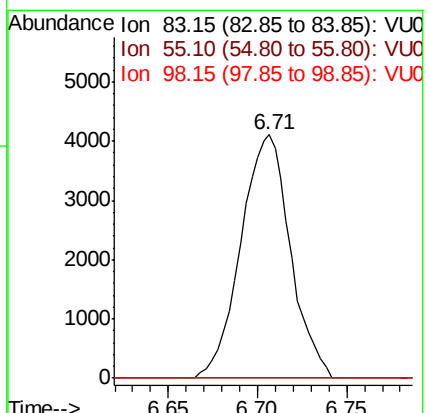
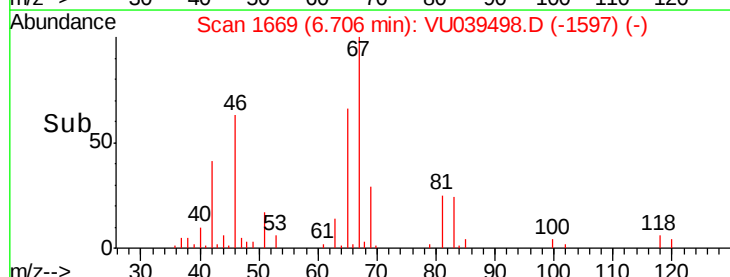
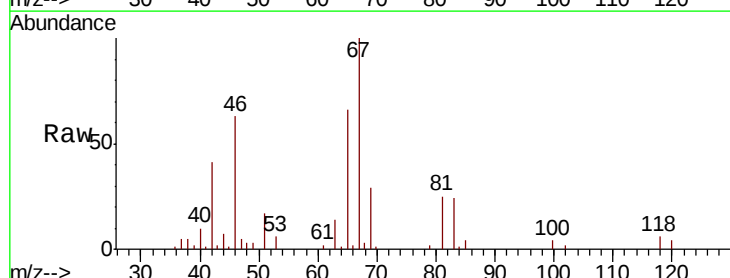
Tgt Ion: 83 Resp: 7930

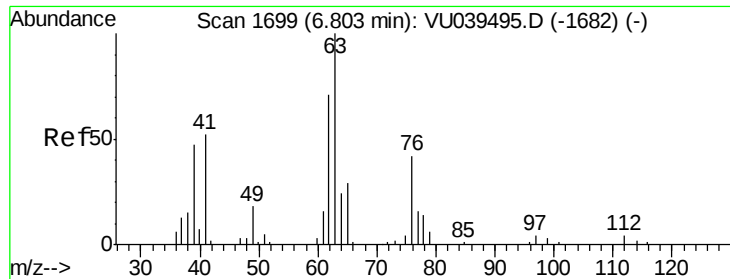
Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

98 6.0 35.9 53.9#

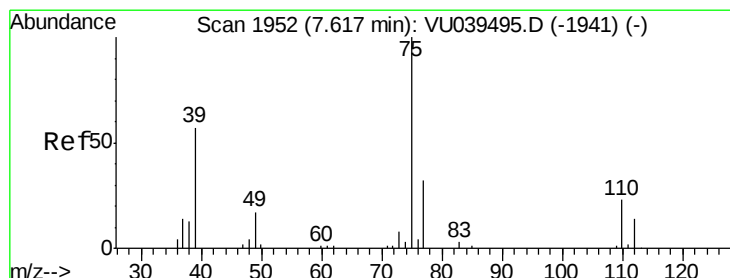
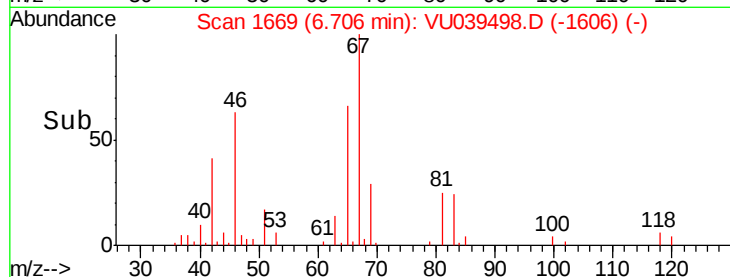
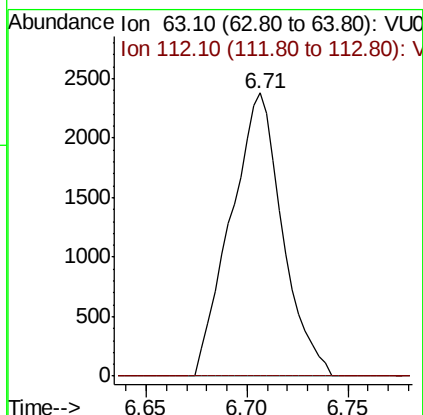
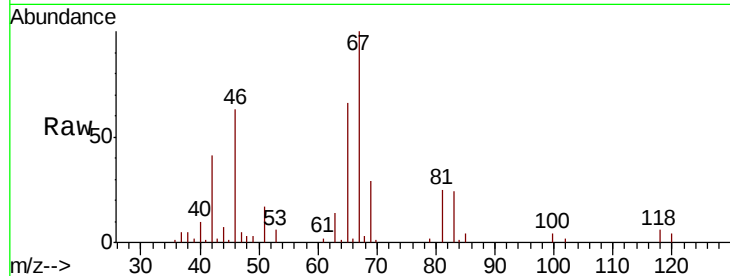




#37
 1,2-Dichloropropane
 Concen: 0.583 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039498.D
 Acq: 15 Jul 2020 14:48

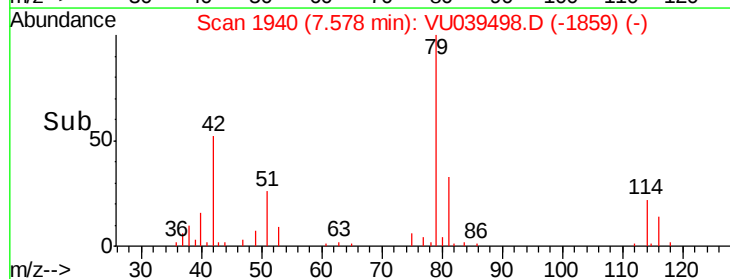
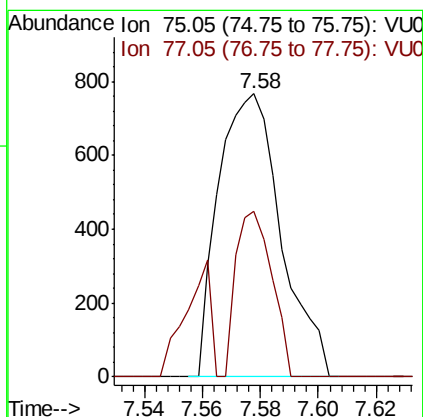
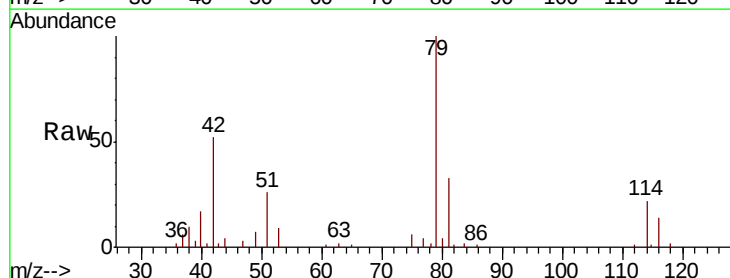
Instrument :
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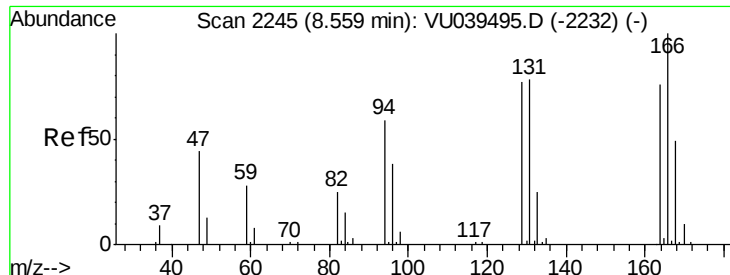
Tot Ion: 63 Resp: 4249
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039498.D
 Acq: 15 Jul 2020 14:48

Tgt Ion: 75 Resp: 1151
 Ion Ratio Lower Upper
 75 100
 77 58.7 22.3 41.3#





#47

Tetrachloroethene

Concen: 0.914 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

BFT99

Tot Ion:164 Resp: 4392

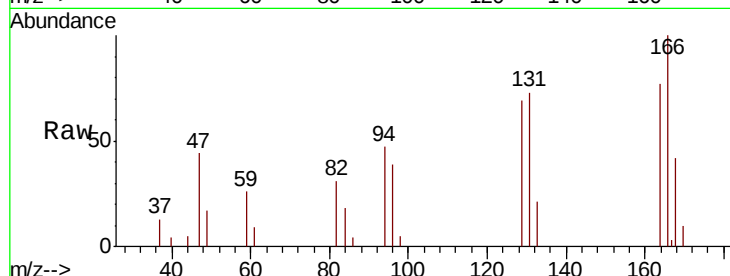
Ion Ratio Lower Upper

164 100

129 89.0 68.6 127.4

131 94.9 66.4 123.4

166 129.4 85.9 159.5



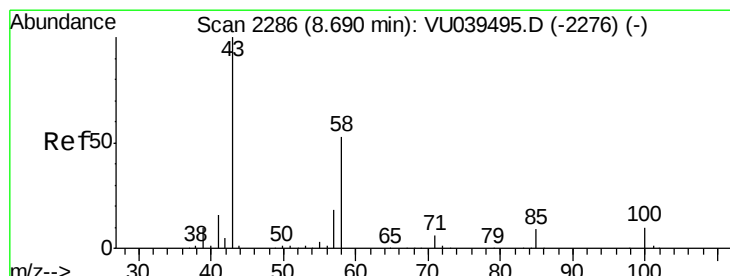
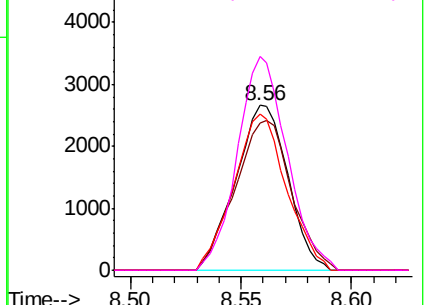
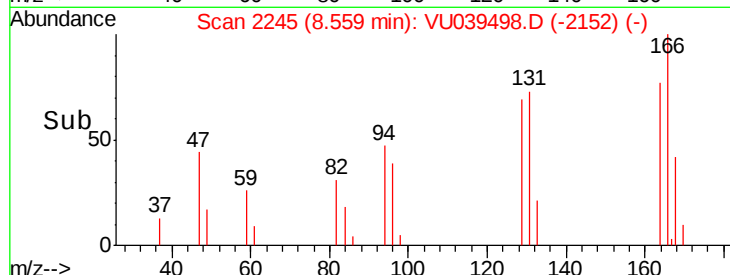
Abundance

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: 0.991 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

Tgt Ion: 43 Resp: 4441

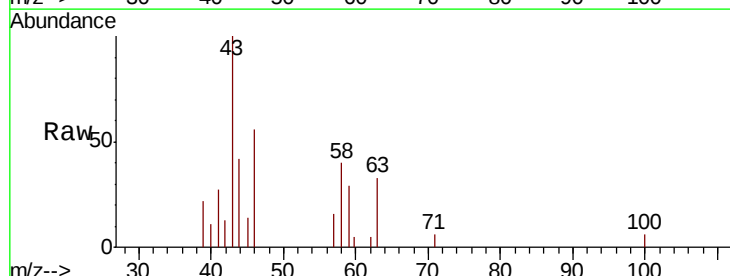
Ion Ratio Lower Upper

43 100

58 26.7 42.0 63.0#

57 0.0 14.0 21.0#

100 2.1 8.2 12.2#



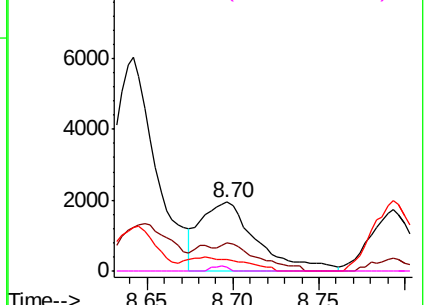
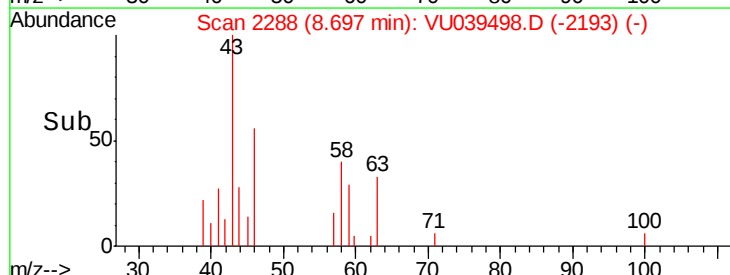
Abundance

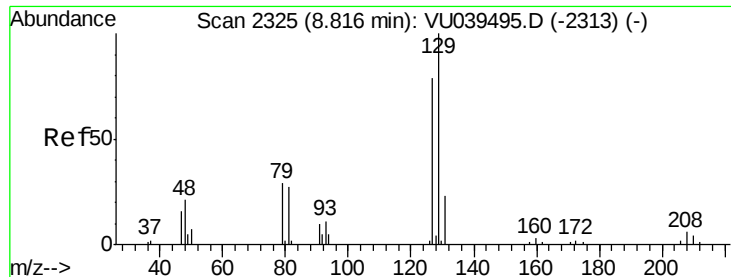
Ion 43.05 (42.75 to 43.75): VU0

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: 0.676 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039498.D

Acq: 15 Jul 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

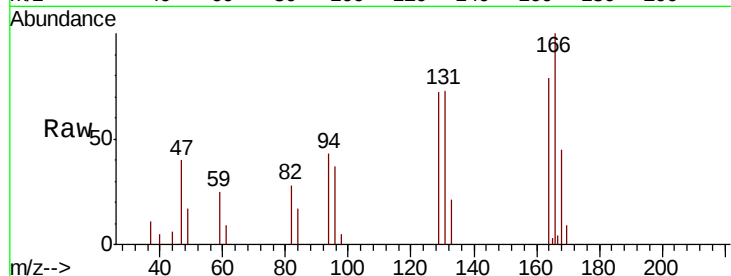
BFT99

Tot Ion:129 Resp: 4285

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

2500

2000

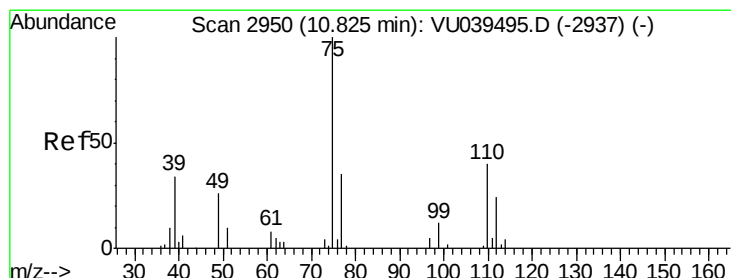
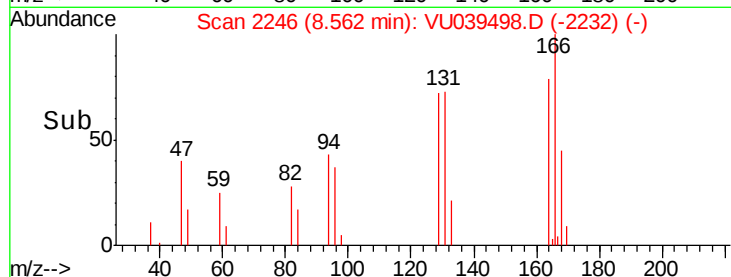
1500

1000

500

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.257 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.98 min

Lab File: VU039498.D

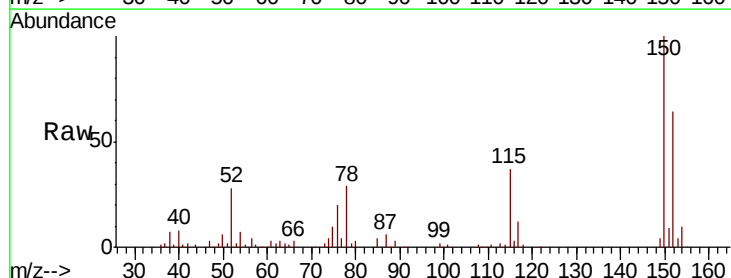
Acq: 15 Jul 2020 14:48

Tgt Ion: 75 Resp: 6749

Ion Ratio Lower Upper

75 100

77 38.1 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

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

