

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039541.D
 Acq On : 17 Jul 2020 11:02
 Operator : SY/MD
 Sample : L3292-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA0

Quant Time: Jul 17 23:40:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 23:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	82271	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78201	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36917	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19898	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.93	69	23178	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	31408	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.65	46	91450	41.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.84%
24) Chloroform-d	5.09	84	46237	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.72	65	31201	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.74	84	92665	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.71	67	31958	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	80558	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.19	79	12305	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.64	63	67512	38.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.94%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27137	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	33704	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2567	0.425	ug/L	97
12) 1,1-Dichloroethene	2.58	96	381	0.078	ug/L #	1
13) Acetone	2.66	43	9731	8.263	ug/L	86
15) Methyl Acetate	2.98	43	802	0.258	ug/L #	52
16) Methylene chloride	3.07	84	721	0.117	ug/L	92
21) 2-Butanone	4.74	43	7871	3.745	ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	749	0.123	ug/L	72
25) Chloroform	5.11	83	3526	0.329	ug/L	91
34) Trichloroethene	6.56	95	8675	1.435	ug/L	90
35) Methylcyclohexane	6.71	83	7198	0.743	ug/L #	22
37) 1,2-Dichloropropane	6.71	63	3896	0.611	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1150	0.119	ug/L #	77
47) Tetrachloroethene	8.56	164	6124	1.457	ug/L	92
48) 2-Hexanone	8.69	43	3861	0.985	ug/L #	93
49) Dibromochloromethane	8.56	129	6194	1.117	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5926	1.262	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration

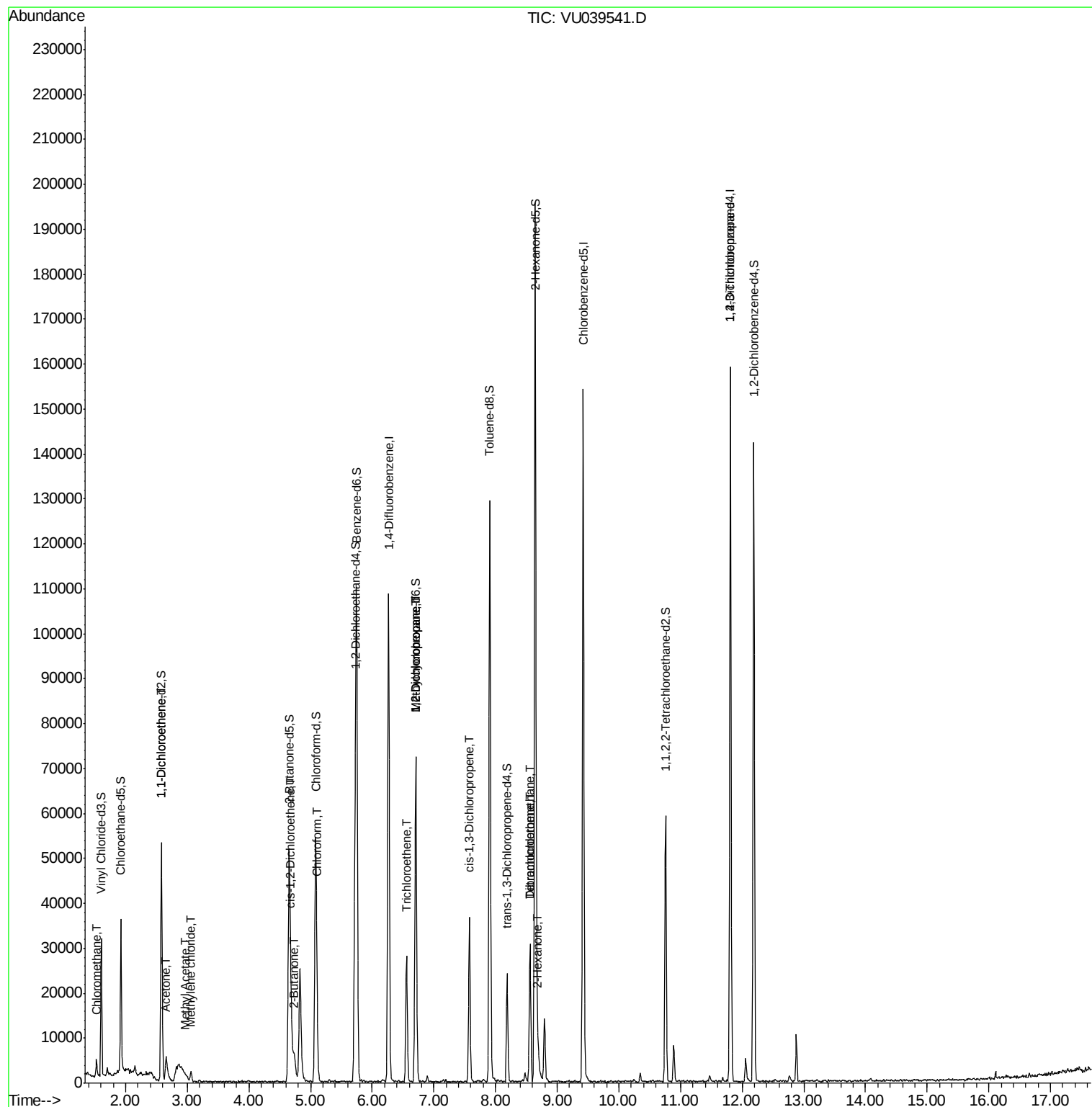
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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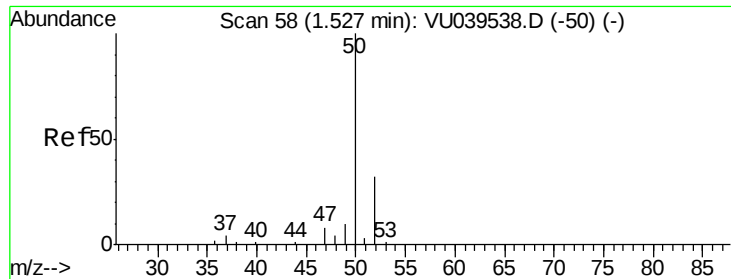
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071720\
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QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.425 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

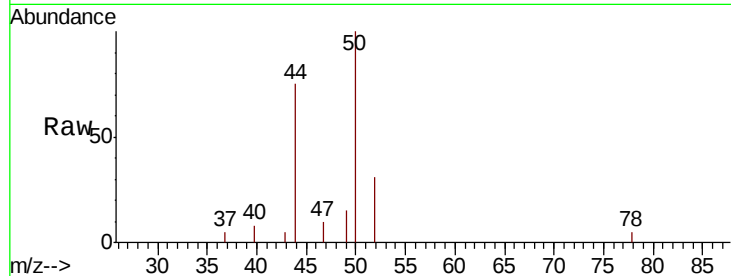
BFTA0

Tot Ion: 50 Resp: 2567

Ion Ratio Lower Upper

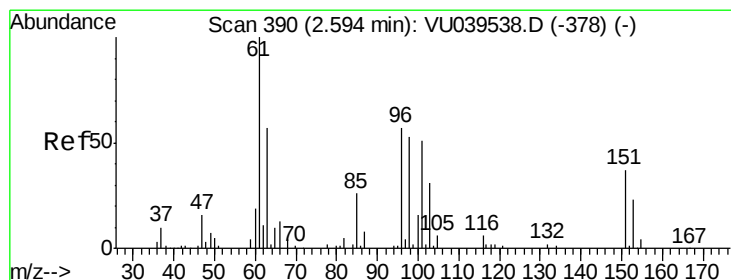
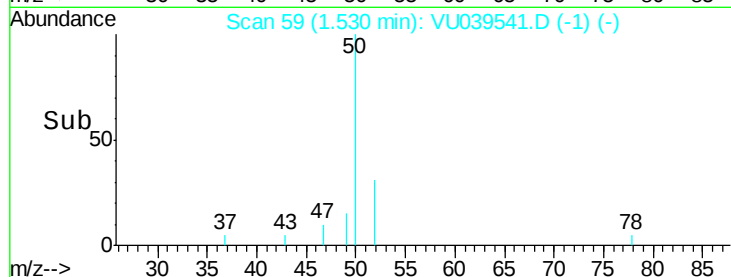
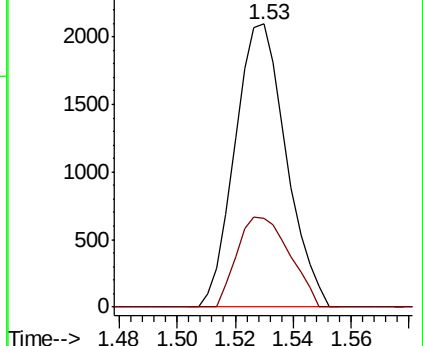
50 100

52 31.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039541.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039541.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

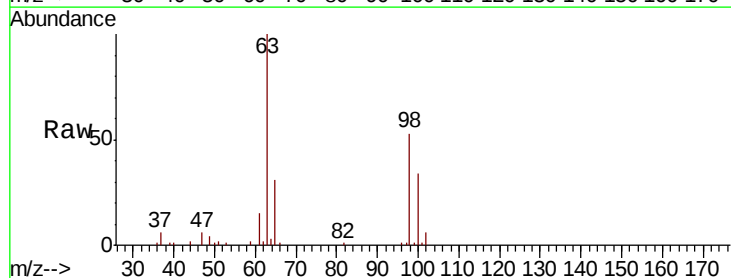
Tgt Ion: 96 Resp: 381

Ion Ratio Lower Upper

96 100

61 1351.9 125.4 232.8#

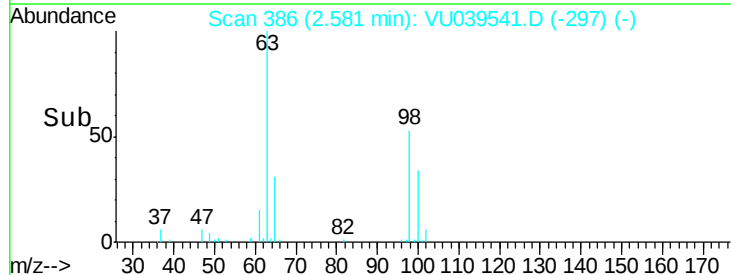
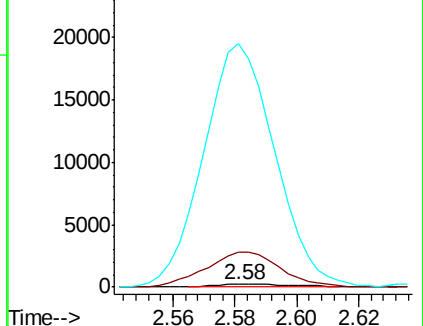
63 9291.4 92.7 172.3#

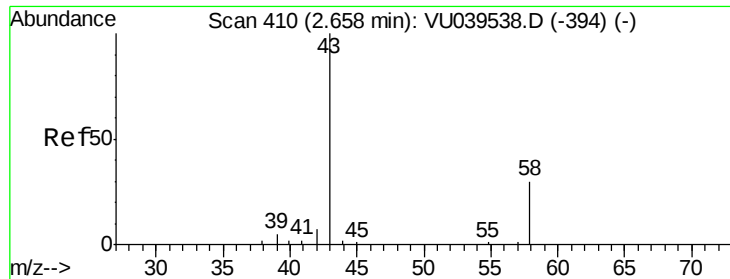


Abundance Ion 96.00 (95.70 to 96.70): VU039541.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU039541.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU039541.D (-297) (-)





#13

Acetone

Concen: 8.263 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

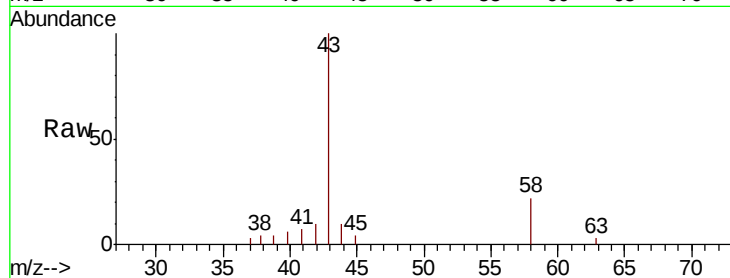
BFTA0

Tot Ion: 43 Resp: 9731

Ion Ratio Lower Upper

43 100

58 23.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039541.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU039541.D (-317) (-)

2.66

3000

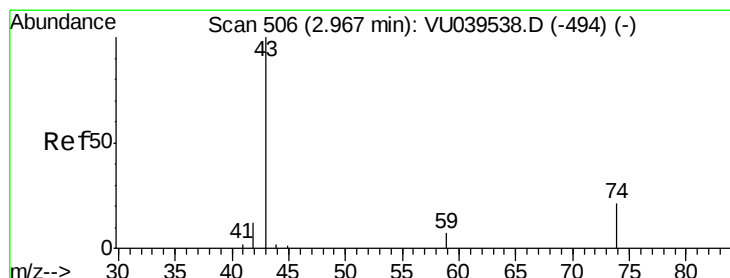
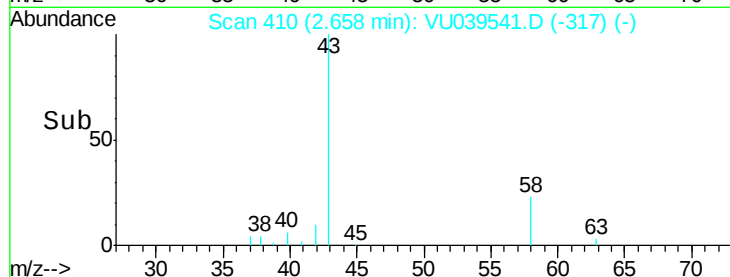
2000

1000

0

Time-->

2.60 2.70 2.80



#15

Methyl Acetate

Concen: 0.258 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.01 min

Lab File: VU039541.D

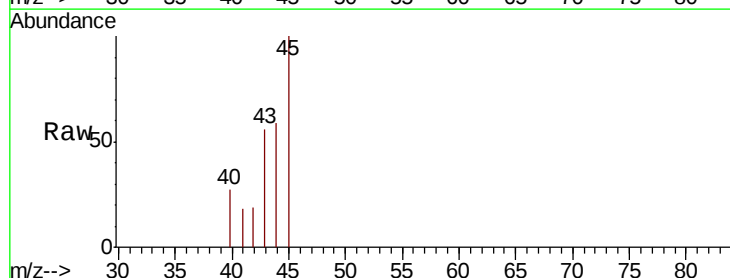
Acq: 17 Jul 2020 11:02

Tgt Ion: 43 Resp: 802

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#



Abundance Ion 43.05 (42.75 to 43.75): VU039541.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VU039541.D (-413) (-)

2.98

600

500

400

300

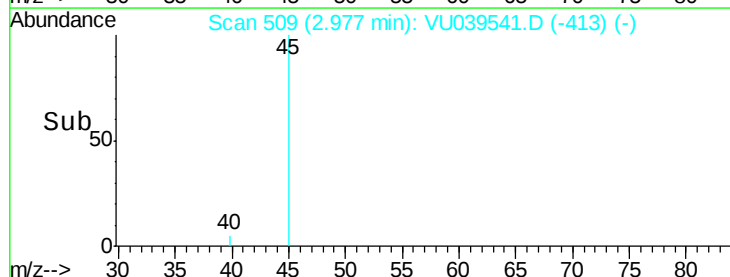
200

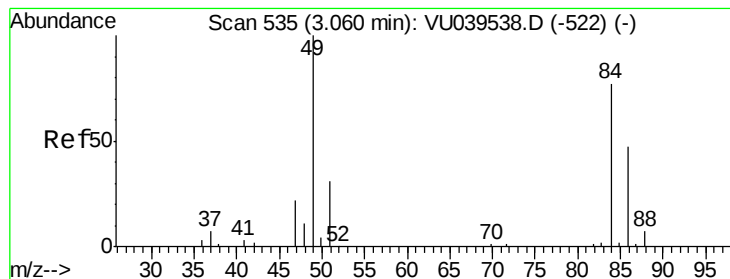
100

0

Time-->

2.95 3.00





#16

Methvlene chloride

Concen: 0.117 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampled :

BFTA0

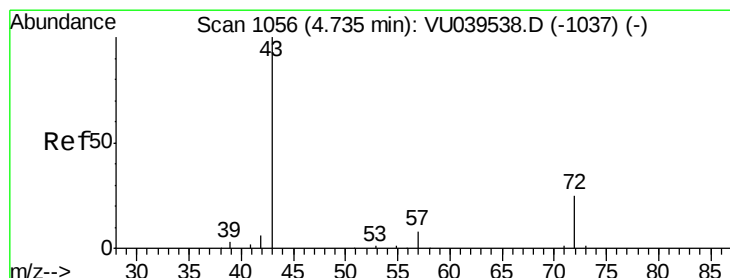
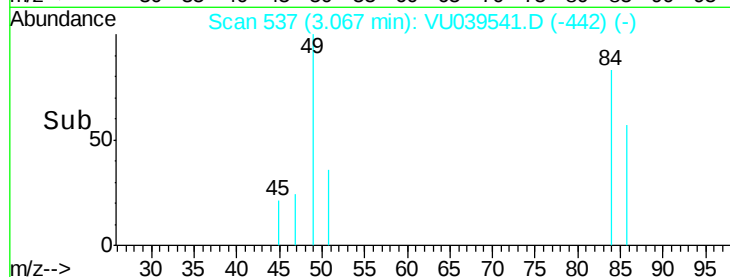
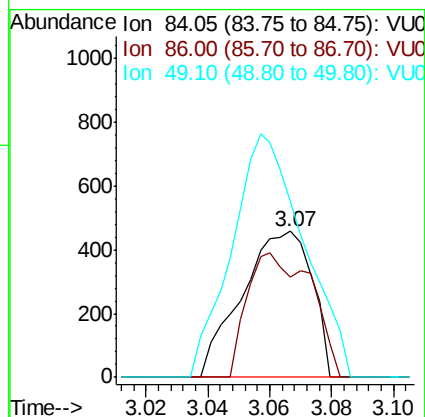
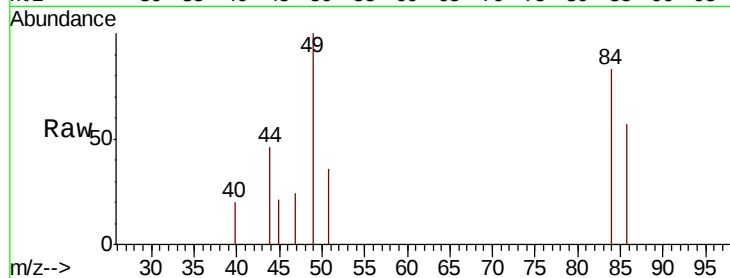
Tot Ion: 84 Resp: 721

Ion Ratio Lower Upper

84 100

86 68.3 43.5 80.9

49 120.5 91.1 169.1



#21

2-Butanone

Concen: 3.745 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU039541.D

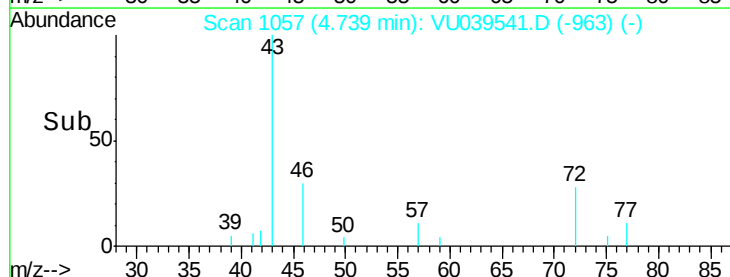
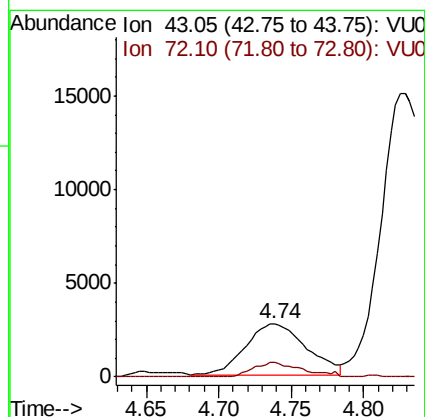
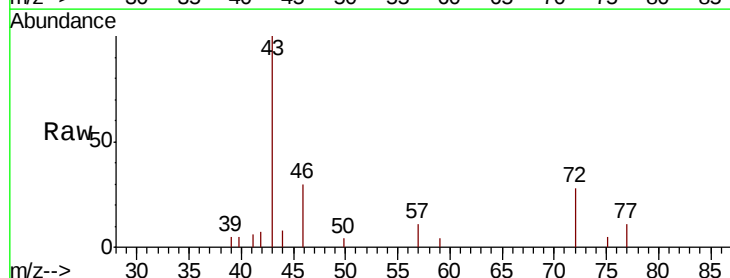
Acq: 17 Jul 2020 11:02

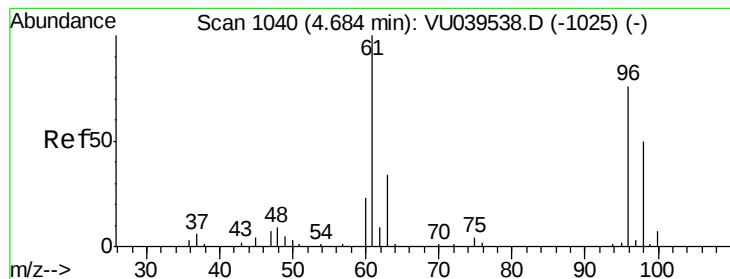
Tgt Ion: 43 Resp: 7871

Ion Ratio Lower Upper

43 100

72 22.0 13.2 39.5





#22

cis-1,2-Dichloroethene

Concen: 0.123 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

BFTA0

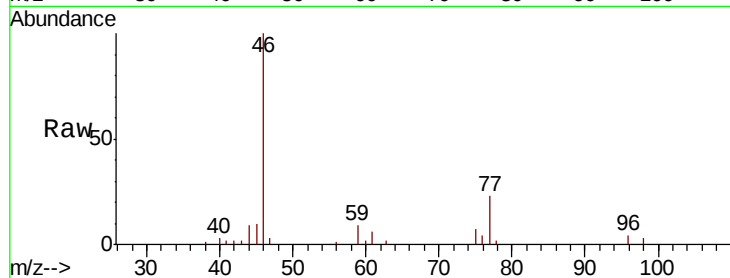
Tot Ion: 96 Resp: 749

Ion Ratio Lower Upper

96 100

61 165.8 92.8 172.4

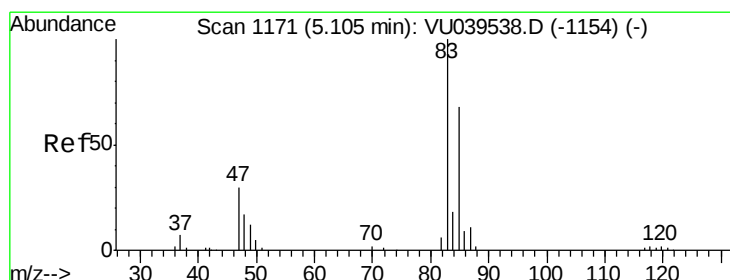
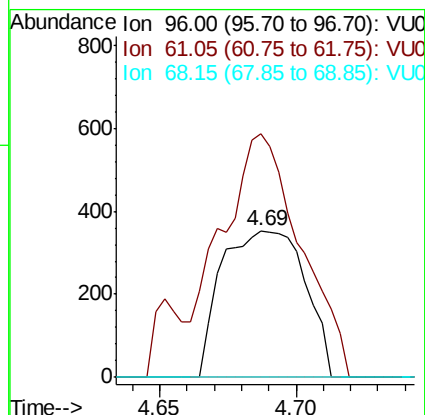
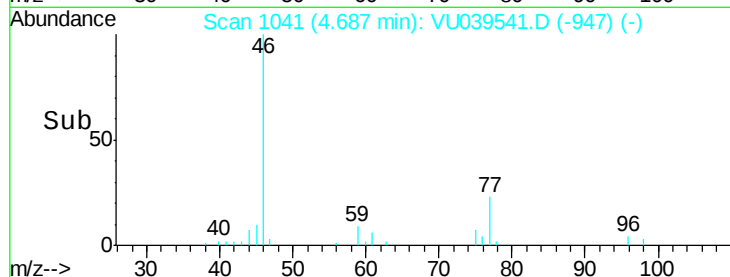
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039541.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039541.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039541.D (-947) (-)



#25

Chloroform

Concen: 0.329 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039541.D

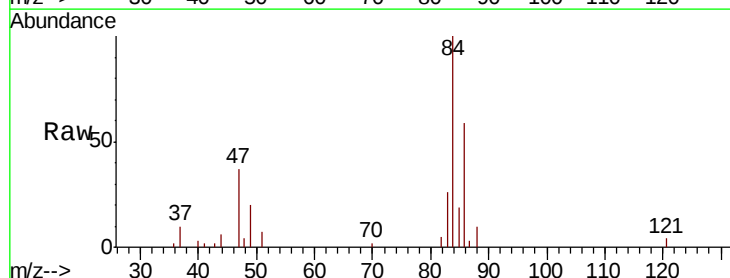
Acq: 17 Jul 2020 11:02

Tgt Ion: 83 Resp: 3526

Ion Ratio Lower Upper

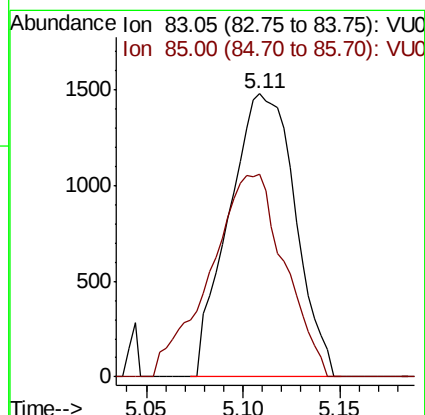
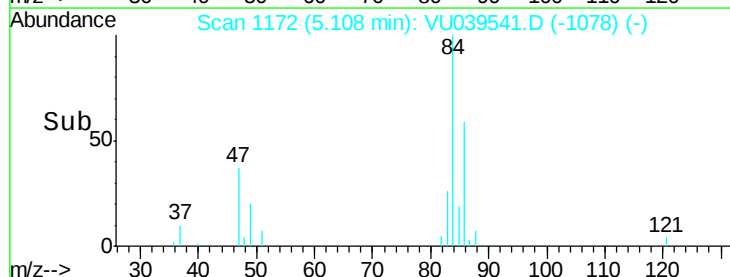
83 100

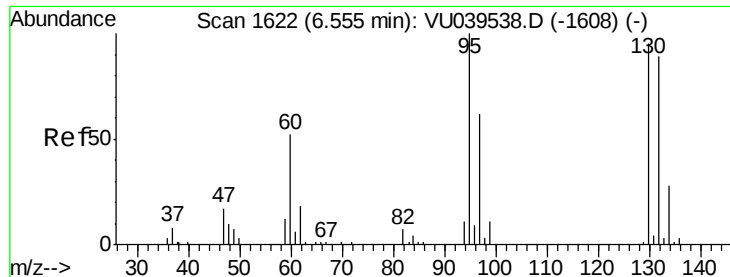
85 71.5 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039541.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039541.D (-1078) (-)





#34

Trichloroethene

Concen: 1.435 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

BFTA0

Tot Ion: 95 Resp: 8675

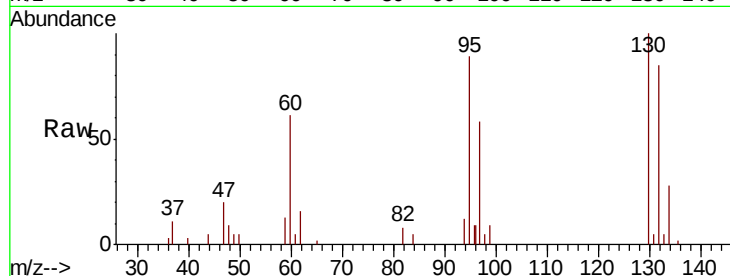
Ion Ratio Lower Upper

95 100

97 64.8 46.3 85.9

132 95.7 64.0 118.8

130 112.7 64.3 119.5

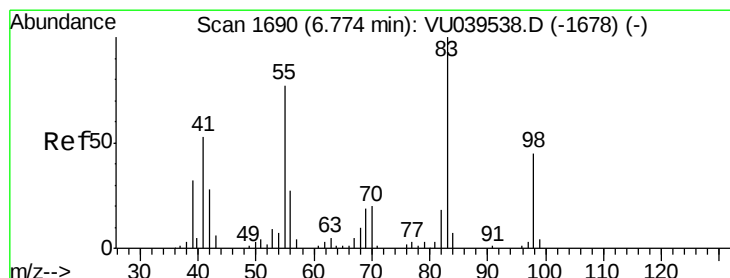
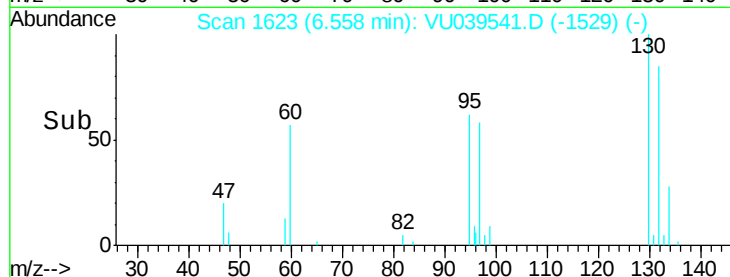
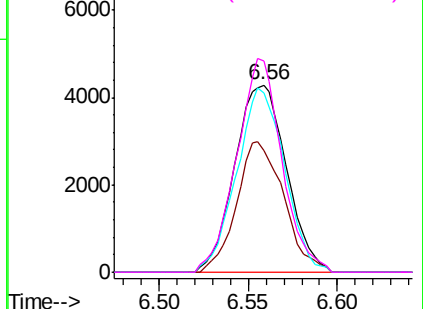


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.743 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

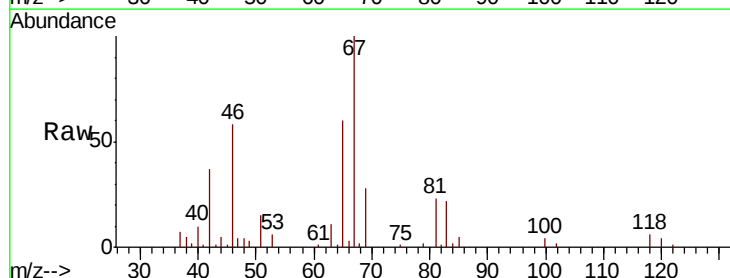
Tgt Ion: 83 Resp: 7198

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

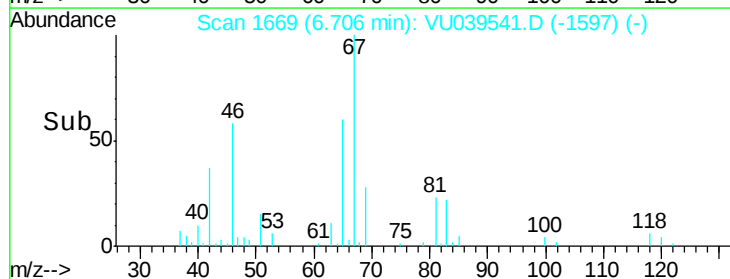
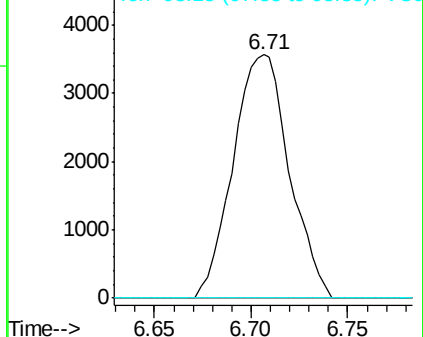
98 7.6 35.9 53.9#

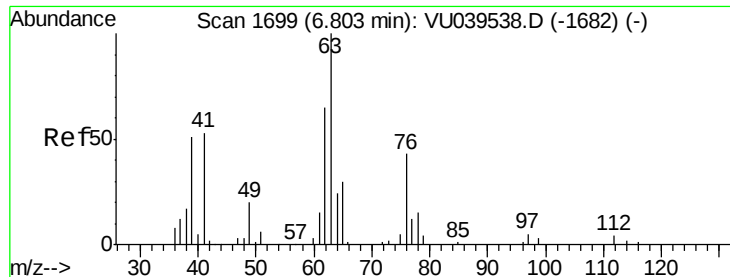


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

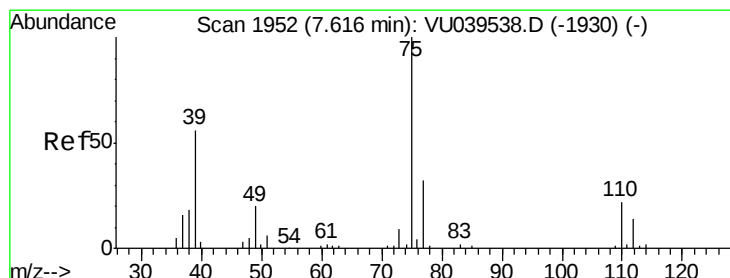
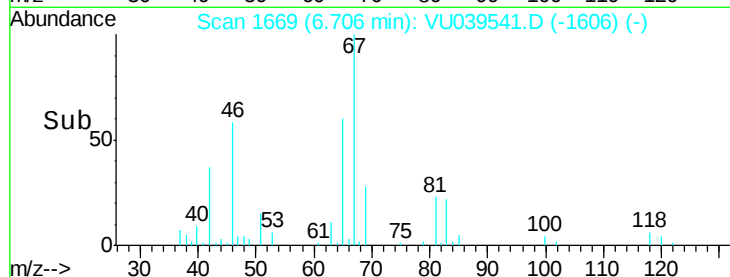
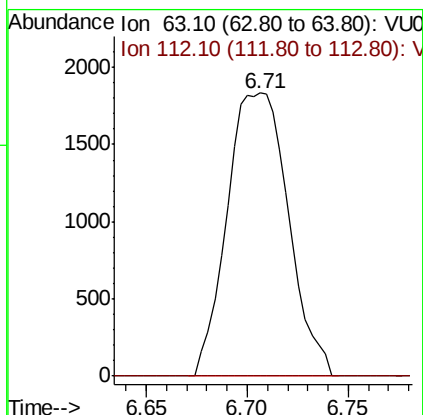
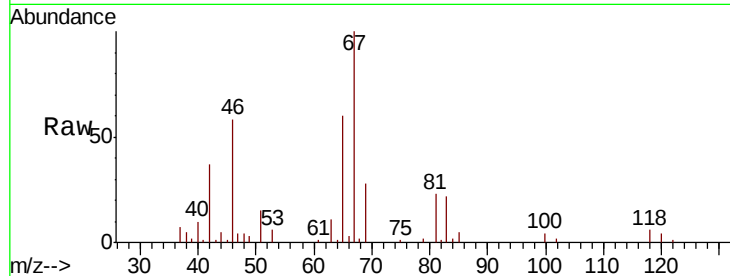




#37
 1,2-Dichloropropane
 Concen: 0.611 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039541.D
 Acq: 17 Jul 2020 11:02

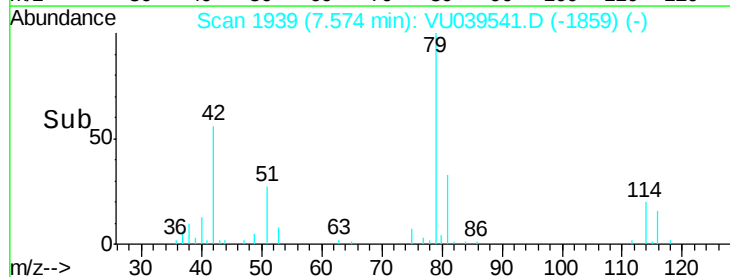
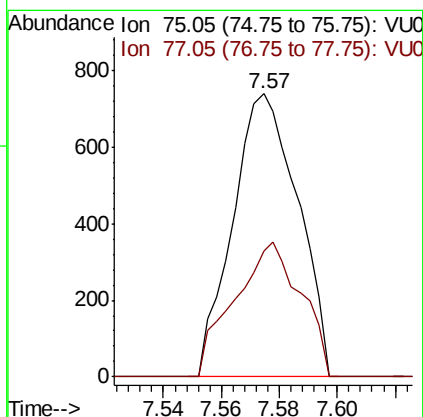
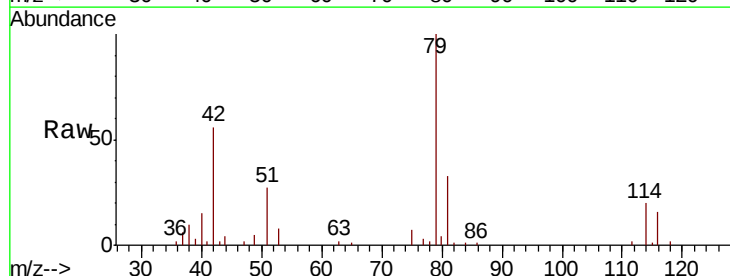
Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA0

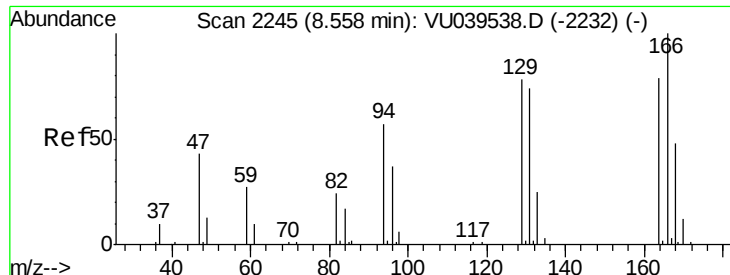
Tot Ion: 63 Resp: 3896
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039541.D
 Acq: 17 Jul 2020 11:02

Tgt Ion: 75 Resp: 1150
 Ion Ratio Lower Upper
 75 100
 77 44.6 22.3 41.3#





#47

Tetrachloroethene

Concen: 1.457 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

BFTA0

Tot Ion:164 Resp: 6124

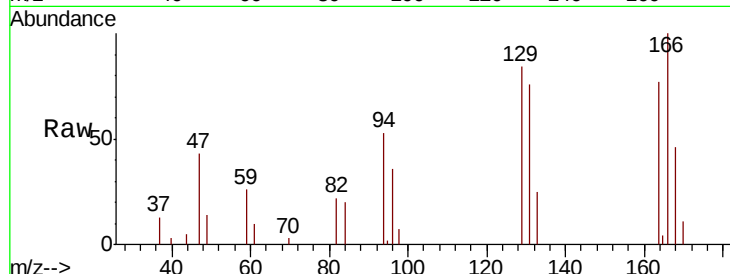
Ion Ratio Lower Upper

164 100

129 110.1 68.6 127.4

131 98.8 66.4 123.4

166 130.7 85.9 159.5

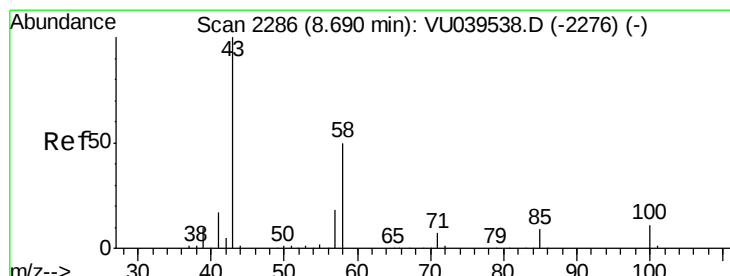
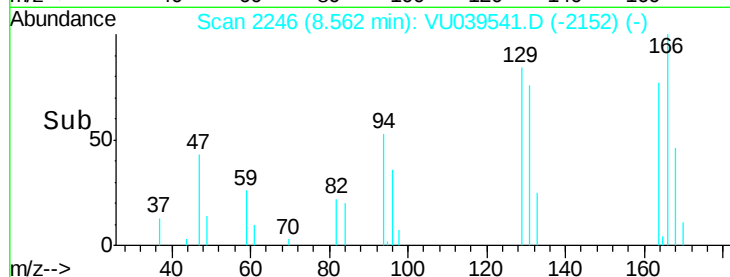
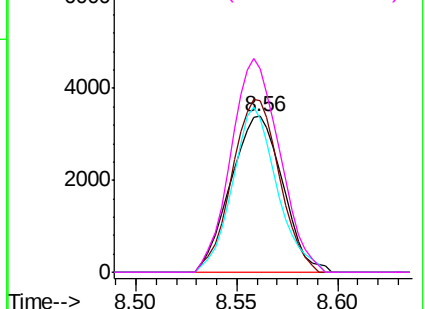


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.985 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Tgt Ion: 43 Resp: 3861

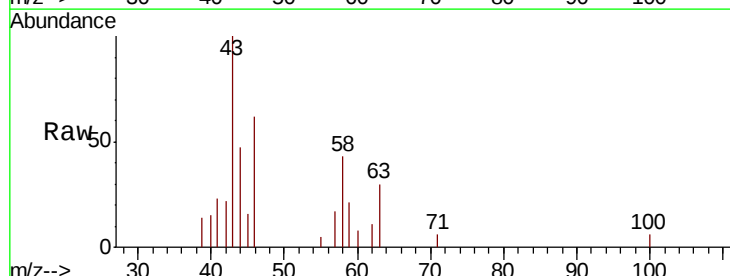
Ion Ratio Lower Upper

43 100

58 48.5 42.0 63.0

57 16.4 14.0 21.0

100 2.5 8.2 12.2#

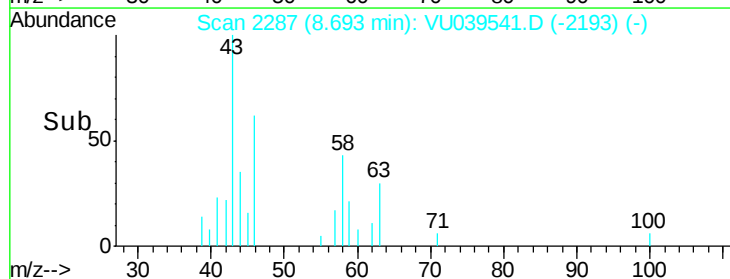
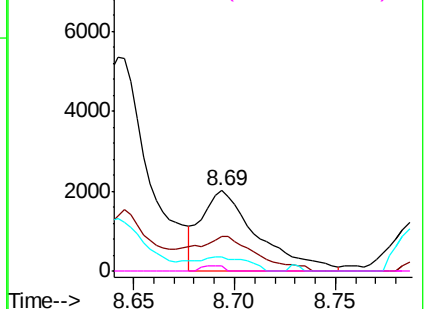


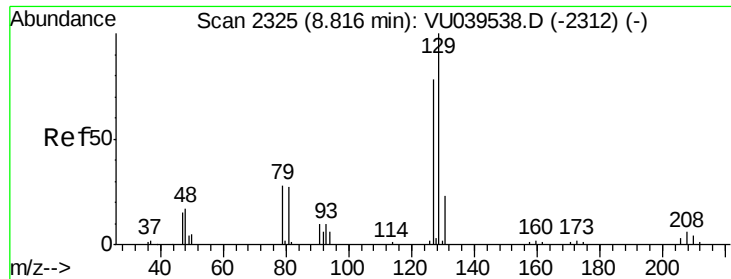
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.117 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039541.D

Acq: 17 Jul 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

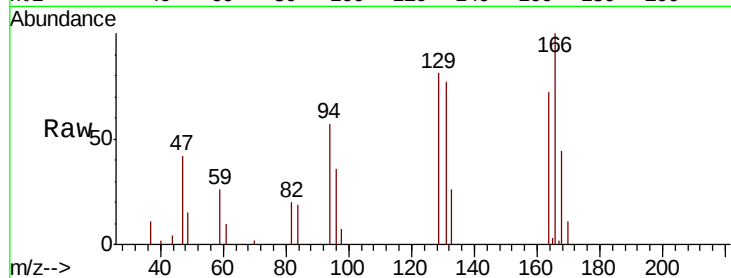
BFTA0

Tot Ion:129 Resp: 6194

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

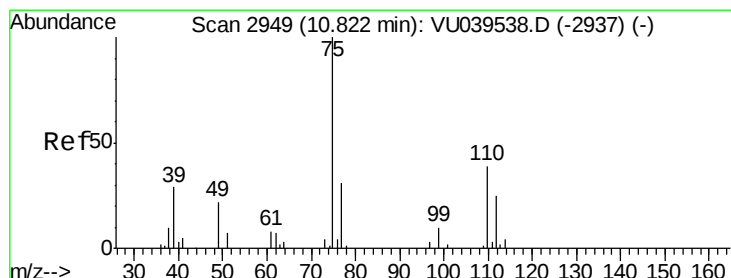
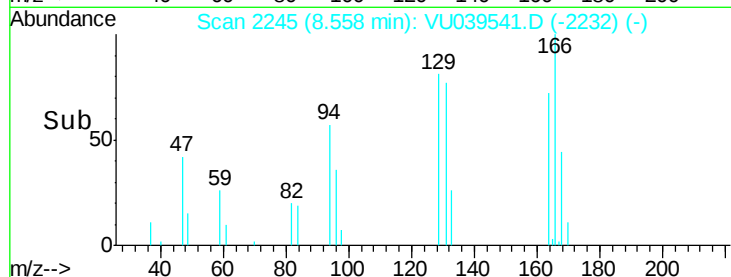
3000

2000

1000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.262 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039541.D

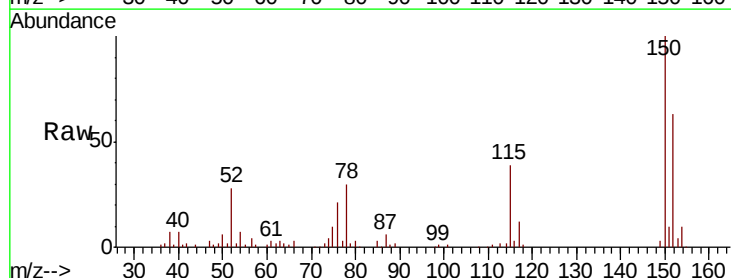
Acq: 17 Jul 2020 11:02

Tgt Ion: 75 Resp: 5926

Ion Ratio Lower Upper

75 100

77 35.4 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

