

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039031.D
 Acq On : 23 Jun 2020 01:54
 Operator : SY/MD
 Sample : L3073-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L47

Quant Time: Jun 23 03:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	247218	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256661	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109004	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	118638	5.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.00%
7) Chloroethane-d5	1.93	69	90210	6.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	124.00%
11) 1,1-Dichloroethene-d2	2.59	63	163987	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.66	46	367297	55.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.10%
24) Chloroform-d	5.10	84	177772	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.74	65	127231	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.76	84	413338	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.72	67	137761	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.92	98	322639	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	53906	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.65	63	282420	54.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	118235	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	128159	6.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1452	0.106	ug/L	96
6) Bromomethane	1.87	94	957	0.159	ug/L	84
12) 1,1-Dichloroethene	2.59	96	1229	0.069	ug/L #	1
13) Acetone	2.66	43	10943	2.623	ug/L	99
14) Carbon disulfide	2.82	76	27141	0.439	ug/L	100
17) Methyl tert-butyl Ether	3.40	73	22000	0.509	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	6525	0.319	ug/L	97
25) Chloroform	5.12	83	35118	0.897	ug/L	98
34) Trichloroethene	6.58	95	2551	0.123	ug/L	81
35) Methylcyclohexane	6.72	83	32004	1.021	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14729	0.661	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3751	0.118	ug/L #	79
47) Tetrachloroethene	8.57	164	17864	1.226	ug/L	96
48) 2-Hexanone	8.71	43	14330	1.162	ug/L #	90
49) Dibromochloromethane	8.57	129	16892	0.933	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15747	0.960	ug/L	93

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Quant Title : TRACE VOA SOM01.0
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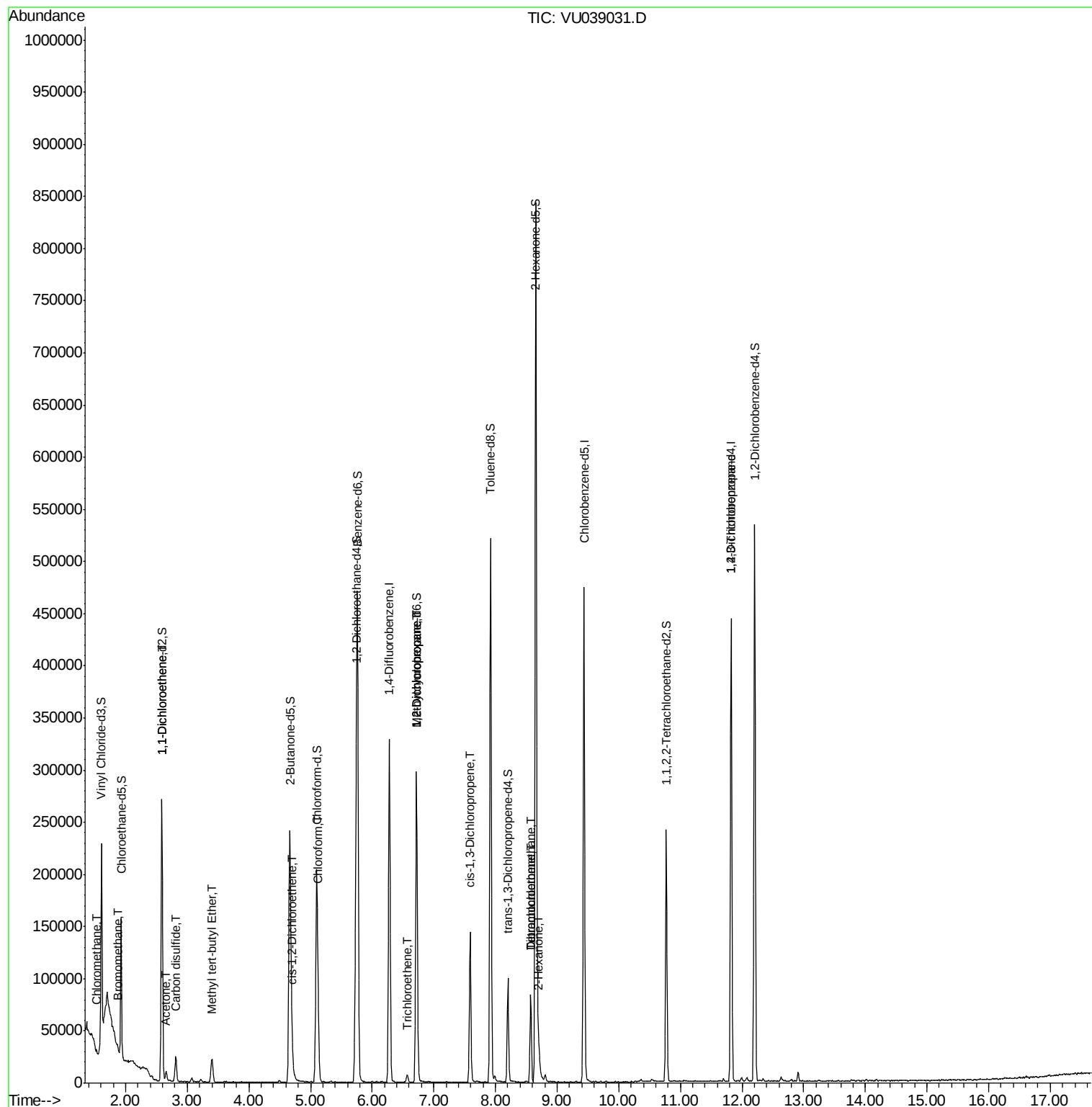
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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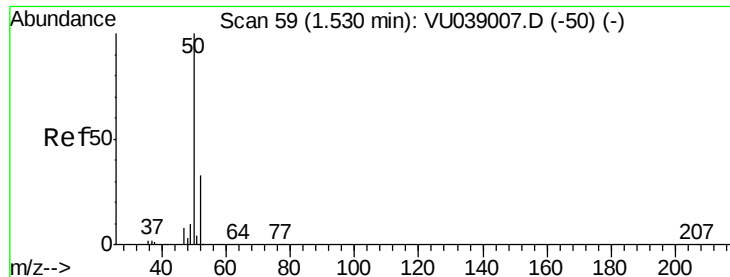
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.106 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

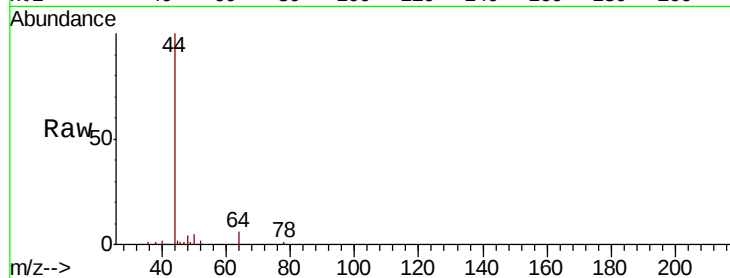
F9L47

Tot Ion: 50 Resp: 1452

Ion Ratio Lower Upper

50 100

52 30.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039007.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039007.D (-50) (-)

1.53

1500

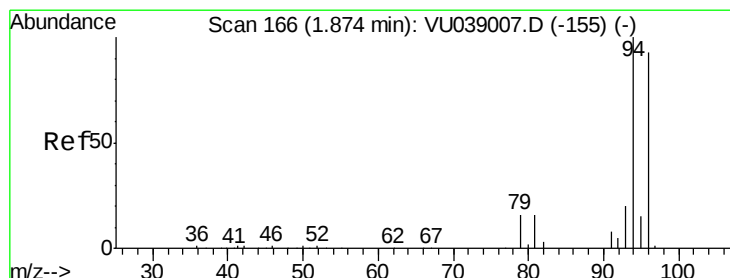
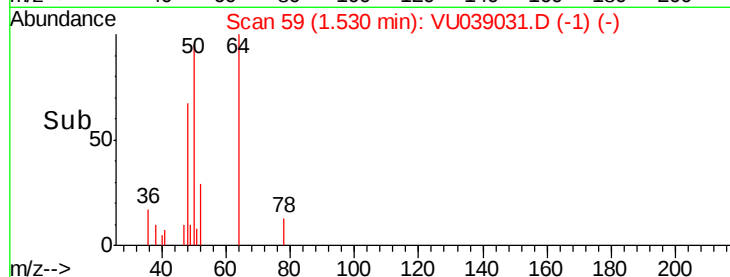
1000

500

0

1.50 1.52 1.54 1.56

Time-->



#6

Bromomethane

Concen: 0.159 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039031.D

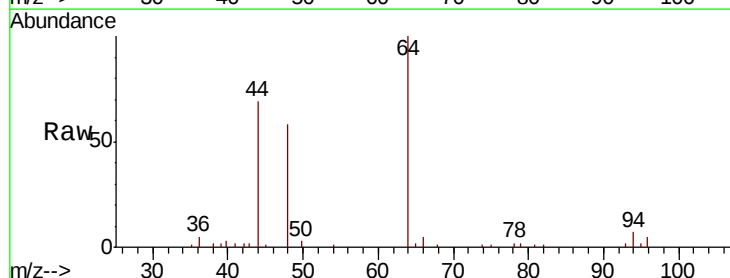
Acq: 23 Jun 2020 01:54

Tgt Ion: 94 Resp: 957

Ion Ratio Lower Upper

94 100

96 78.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039007.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039007.D (-155) (-)

1.87

1000

800

600

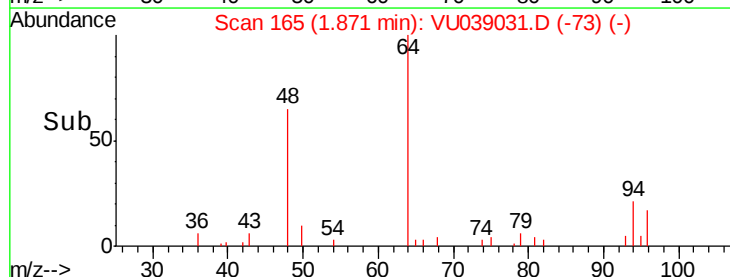
400

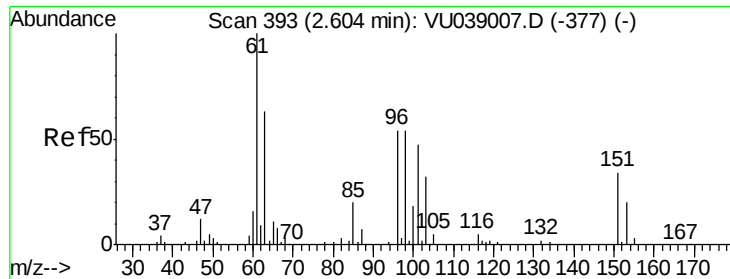
200

0

1.84 1.86 1.88 1.90

Time-->

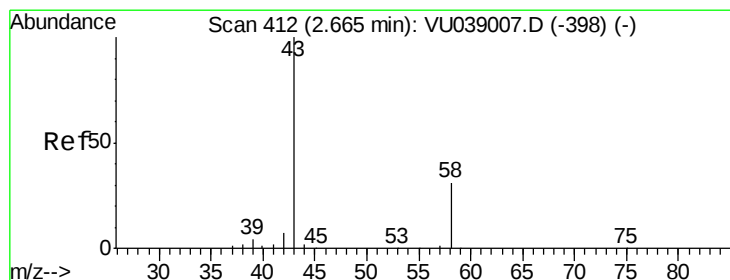
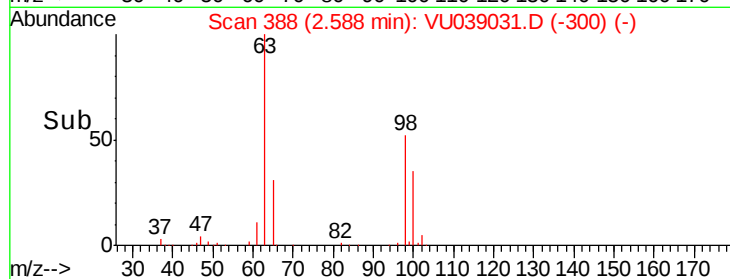
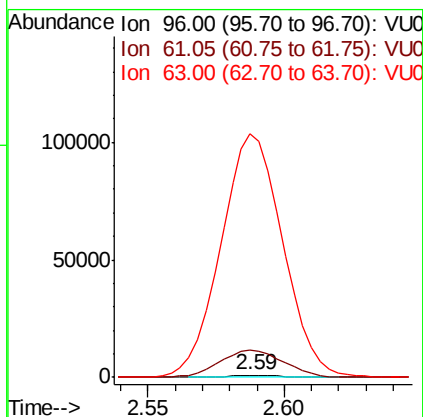
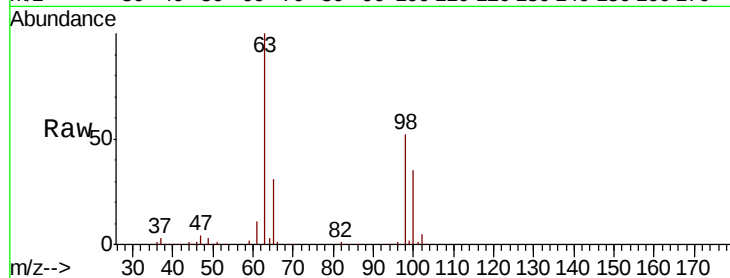




#12
 1,1-Dichloroethene
 Concen: 0.069 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VU039031.D
 Acq: 23 Jun 2020 01:54

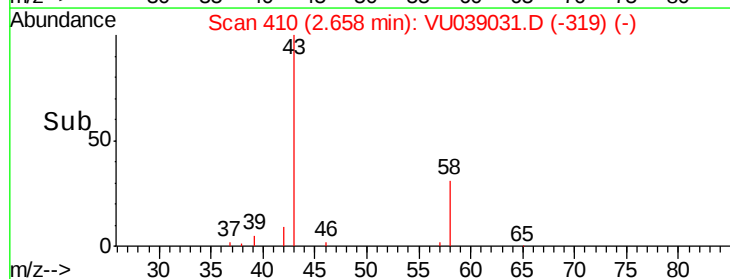
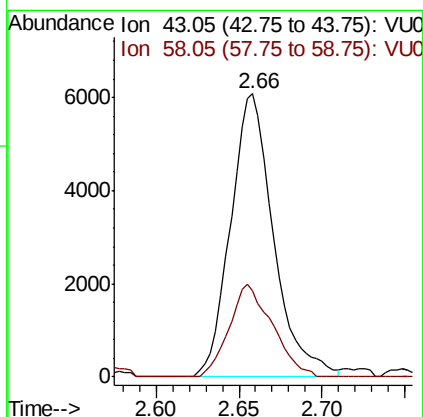
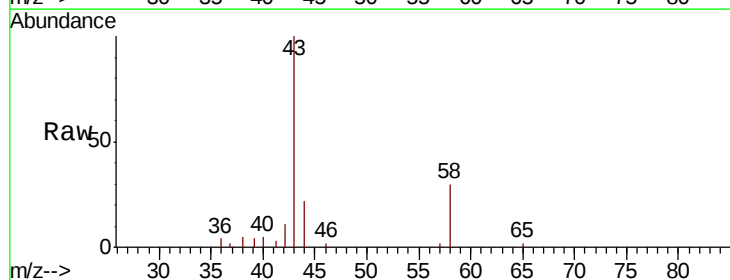
Instrument :
 MSVOA_U
 ClientSampleID :
 F9L47

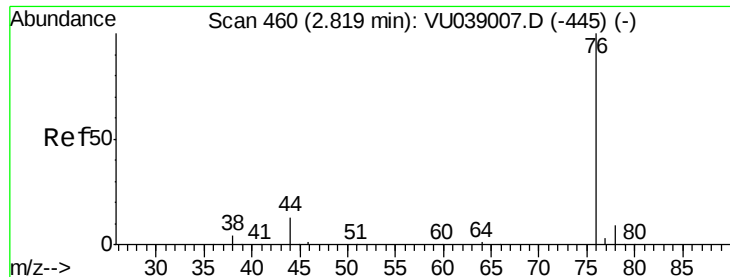
Tot Ion: 96 Resp: 1229
 Ion Ratio Lower Upper
 96 100
 61 1217.1 128.7 239.1#
 63 10750.2 101.5 188.5#



#13
 Acetone
 Concen: 2.623 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VU039031.D
 Acq: 23 Jun 2020 01:54

Tgt Ion: 43 Resp: 10943
 Ion Ratio Lower Upper
 43 100
 58 32.9 0.0 64.8





#14

Carbon disulfide

Concen: 0.439 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

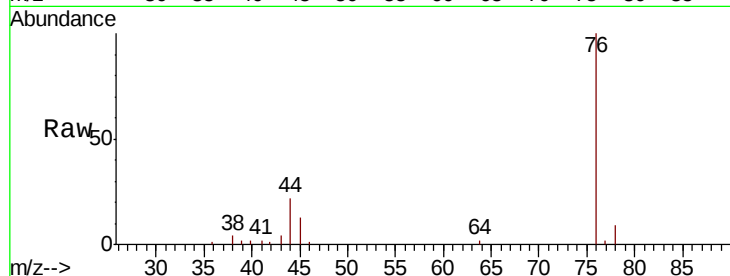
F9L47

Tot Ion: 76 Resp: 27141

Ion Ratio Lower Upper

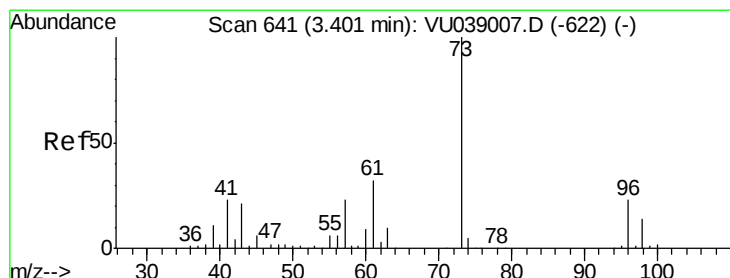
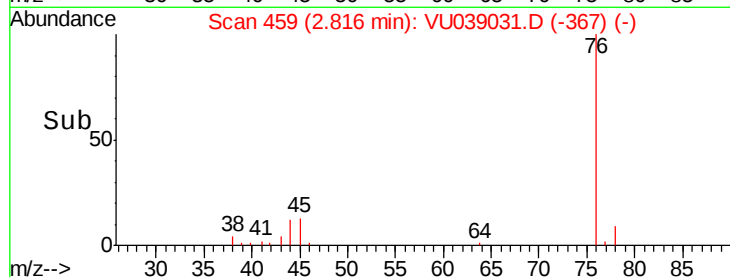
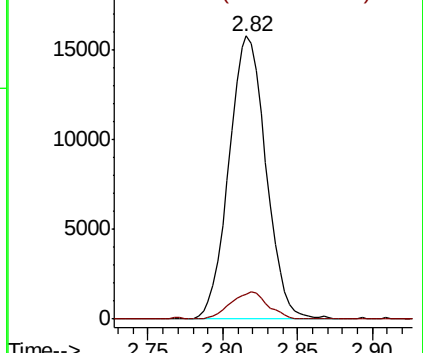
76 100

78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039007.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU039007.D (-445) (-)



#17

Methyl tert-butyl Ether

Concen: 0.509 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

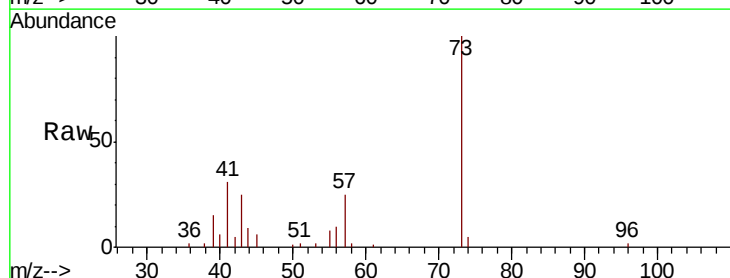
Tgt Ion: 73 Resp: 22000

Ion Ratio Lower Upper

73 100

43 23.6 16.7 25.1

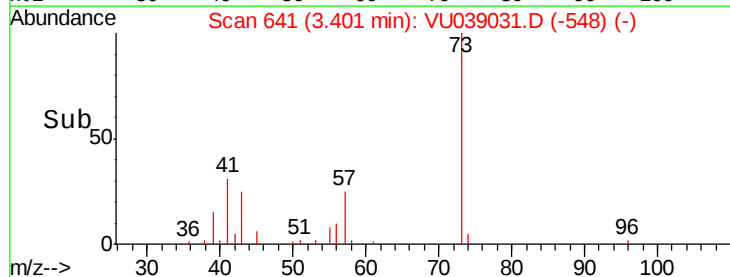
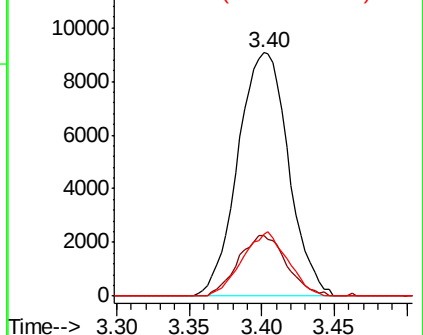
57 23.5 18.8 28.2

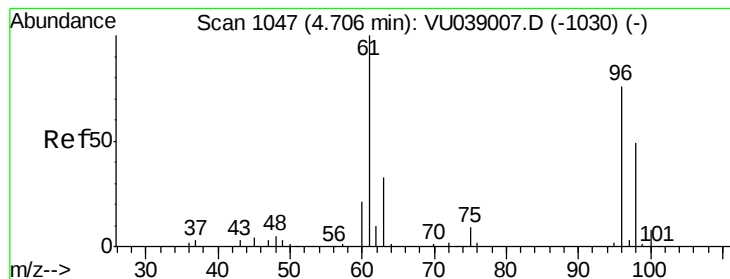


Abundance Ion 73.10 (72.80 to 73.80): VU039007.D (-622) (-)

Ion 43.05 (42.75 to 43.75): VU039007.D (-622) (-)

Ion 57.10 (56.80 to 57.80): VU039007.D (-622) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.319 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Instrument :

MSVOA_U

ClientSampled :

F9L47

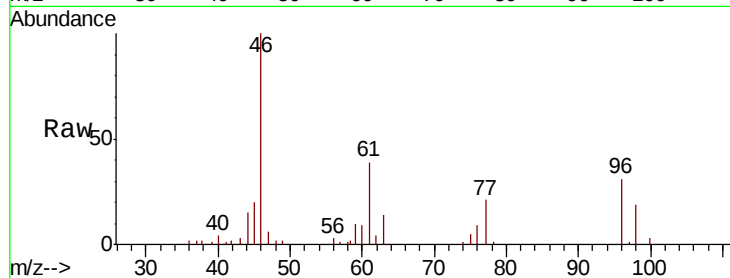
Tot Ion: 96 Resp: 6525

Ion Ratio Lower Upper

96 100

61 127.7 92.0 170.8

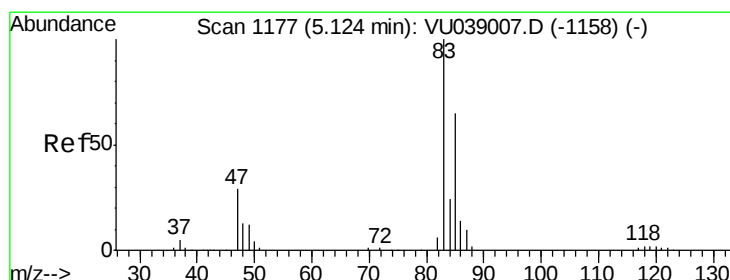
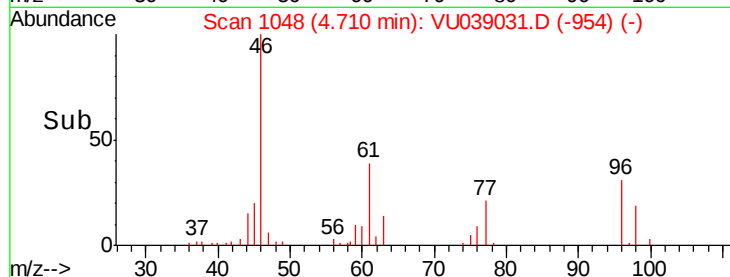
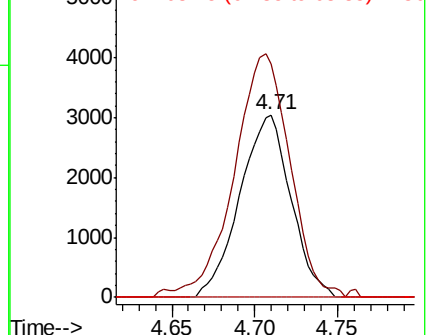
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039007.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU039007.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU039007.D (-1030) (-)



#25

Chloroform

Concen: 0.897 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU039031.D

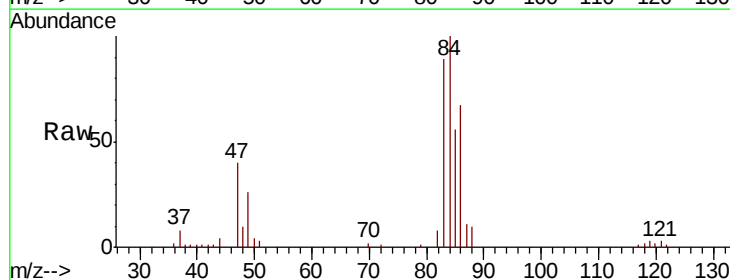
Acq: 23 Jun 2020 01:54

Tgt Ion: 83 Resp: 35118

Ion Ratio Lower Upper

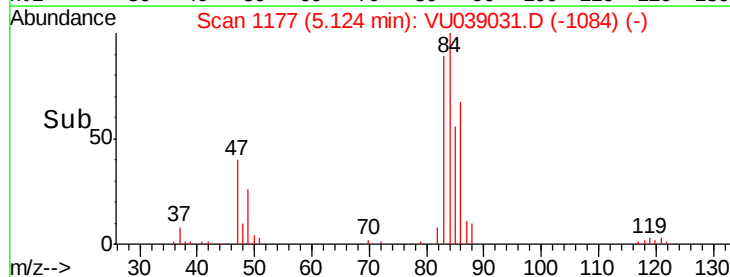
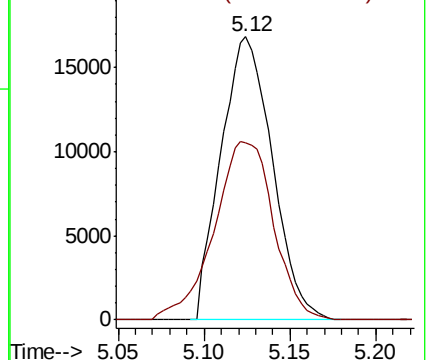
83 100

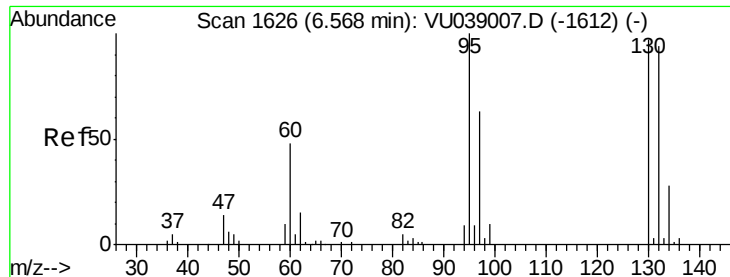
85 62.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039007.D (-1158) (-)

Ion 85.00 (84.70 to 85.70): VU039007.D (-1158) (-)





#34

Trichloroethene

Concen: 0.123 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

F9L47

Tot Ion: 95 Resp: 2551

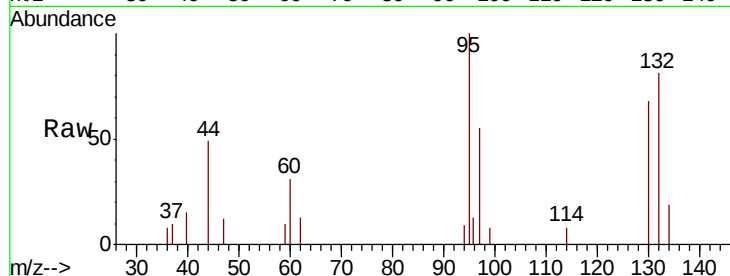
Ion Ratio Lower Upper

95 100

97 54.7 46.0 85.4

132 80.7 65.0 120.6

130 68.0 68.0 126.2

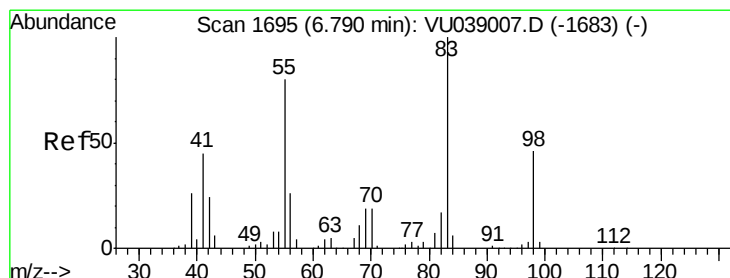
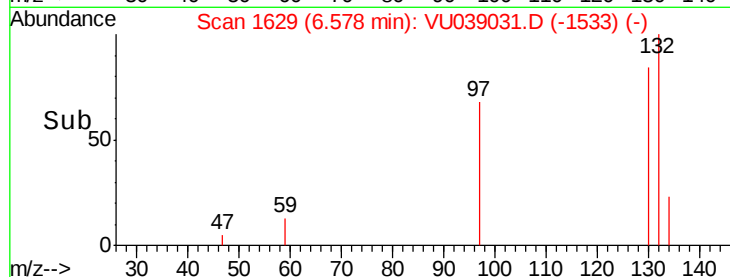
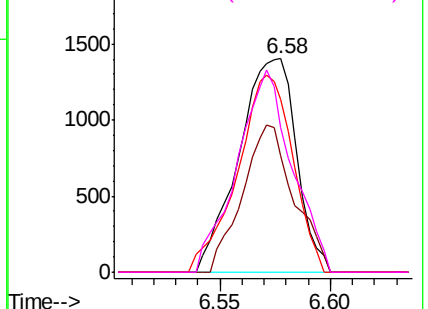


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.021 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

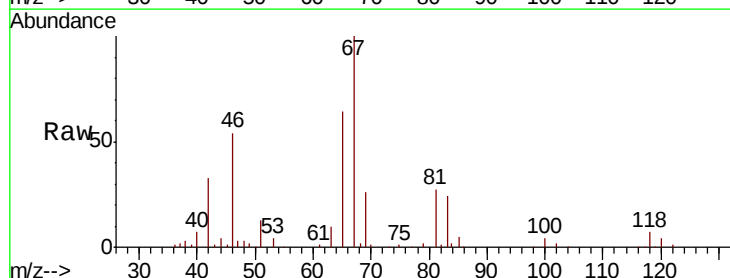
Tgt Ion: 83 Resp: 32004

Ion Ratio Lower Upper

83 100

55 0.7 65.1 97.7#

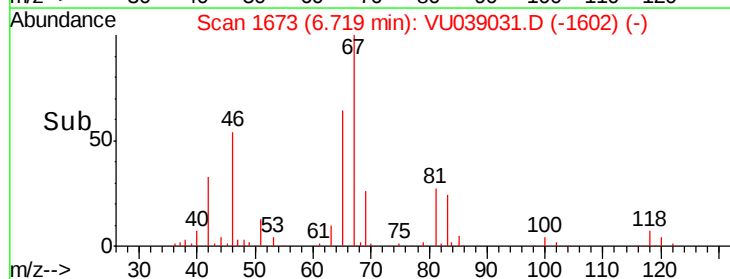
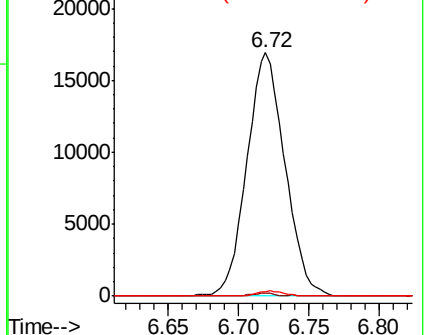
98 1.4 37.0 55.4#

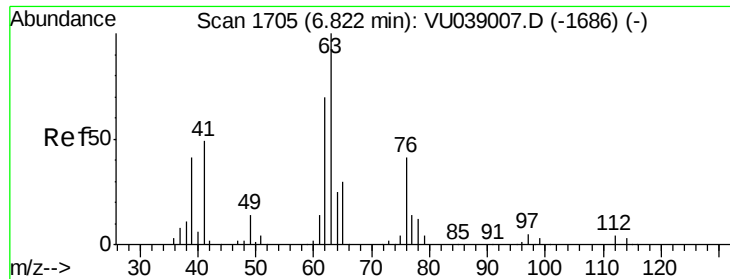


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

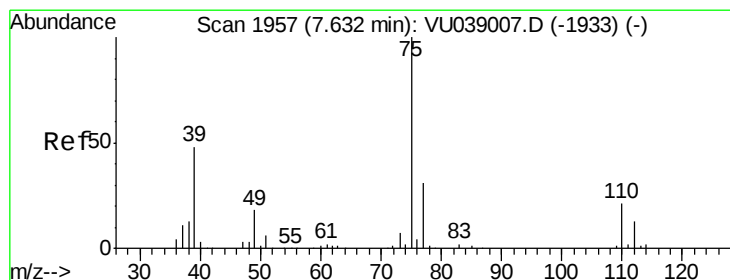
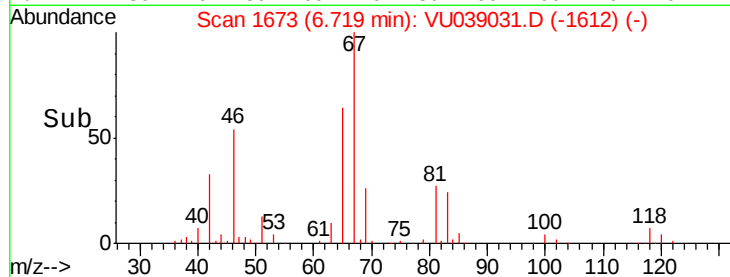
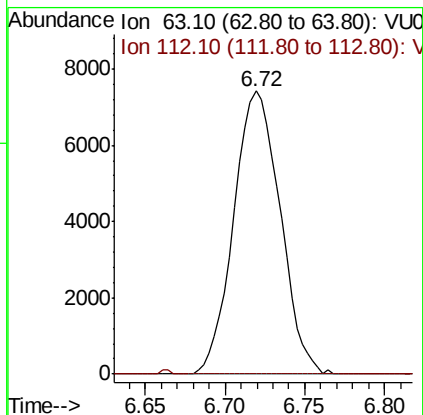
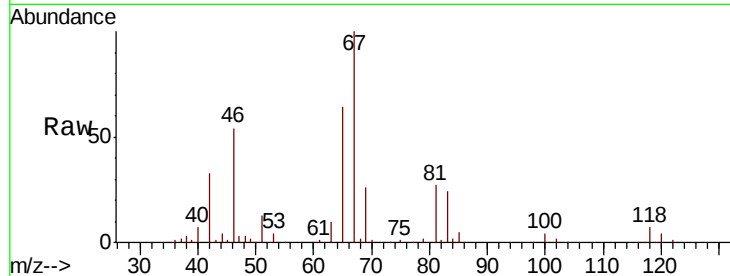




#37
 1,2-Dichloropropane
 Concen: 0.661 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039031.D
 Acq: 23 Jun 2020 01:54

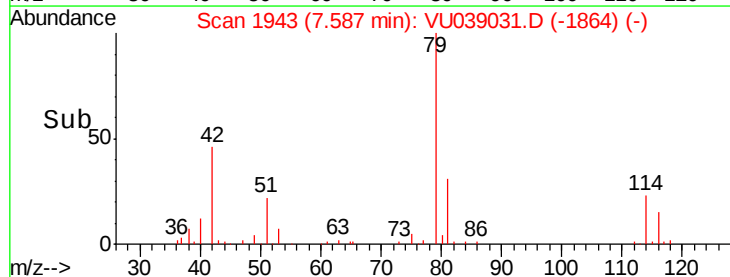
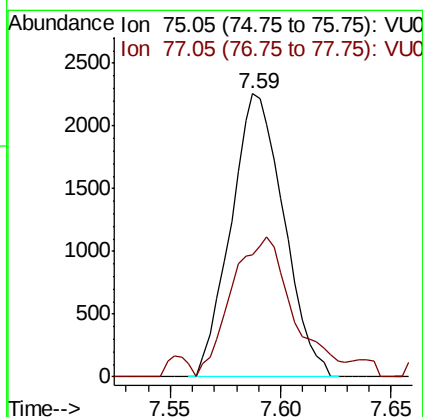
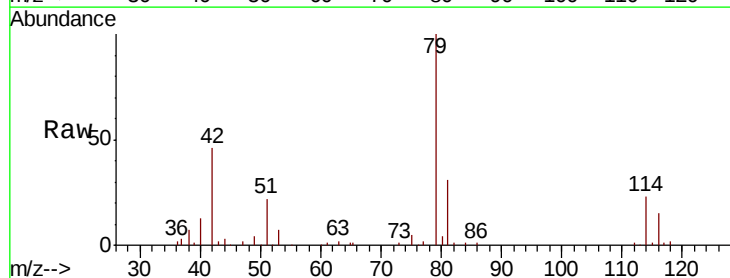
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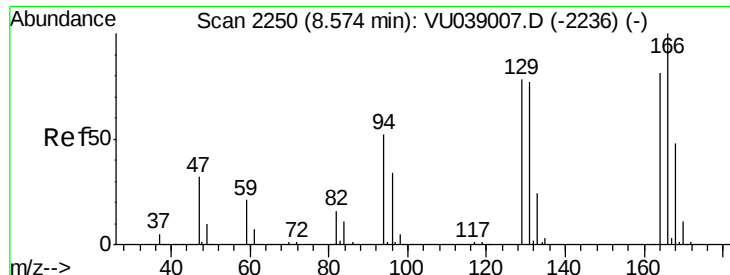
Tot Ion: 63 Resp: 14729
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU039031.D
 Acq: 23 Jun 2020 01:54

Tgt Ion: 75 Resp: 3751
 Ion Ratio Lower Upper
 75 100
 77 43.1 22.0 41.0#





#47

Tetrachloroethene

Concen: 1.226 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Instrument :

MSVOA_U

ClientSampled :

F9L47

Tot Ion:164 Resp: 17864

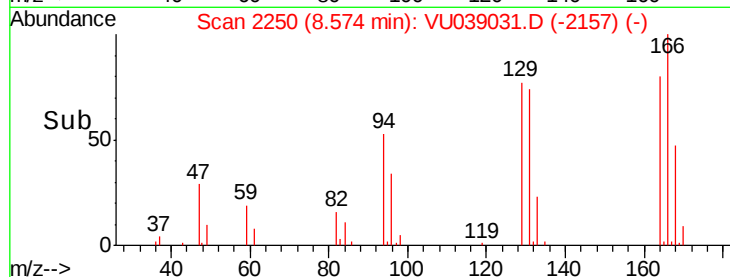
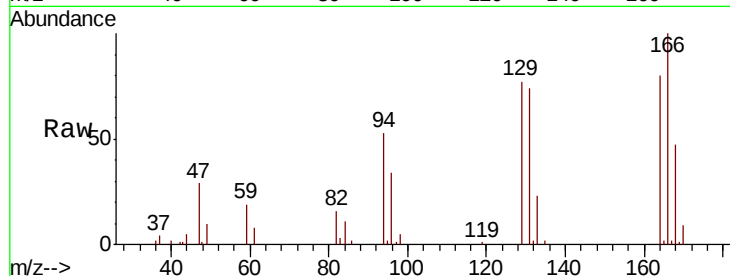
Ion Ratio Lower Upper

164 100

129 96.5 69.2 128.6

131 92.6 66.9 124.3

166 125.7 93.0 172.8



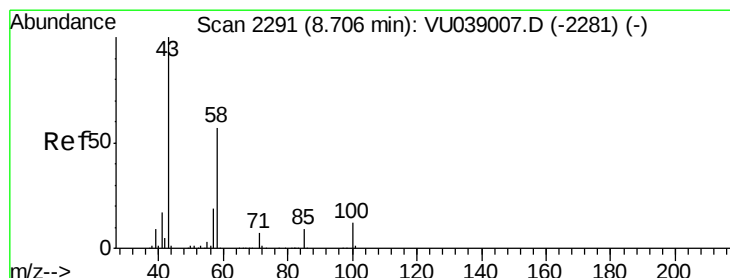
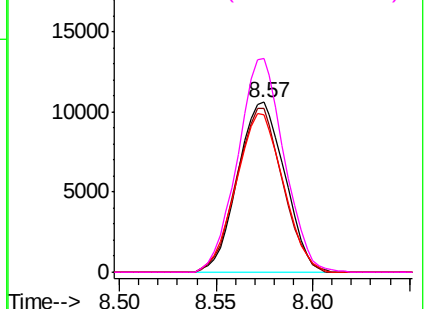
Abundance

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: 1.162 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Tgt Ion: 43 Resp: 14330

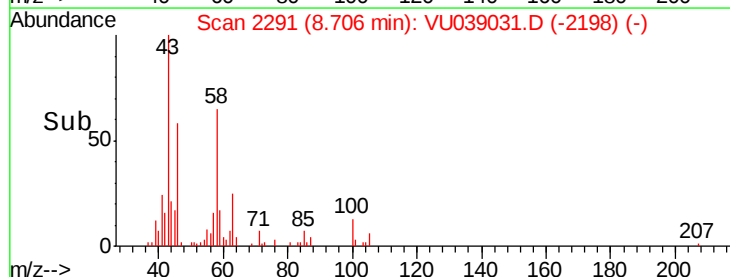
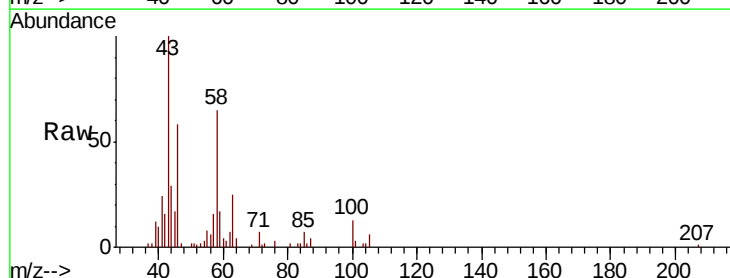
Ion Ratio Lower Upper

43 100

58 53.3 43.5 65.3

57 0.0 15.0 22.4#

100 11.1 9.4 14.2



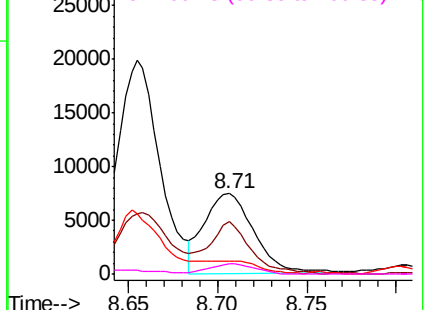
Abundance

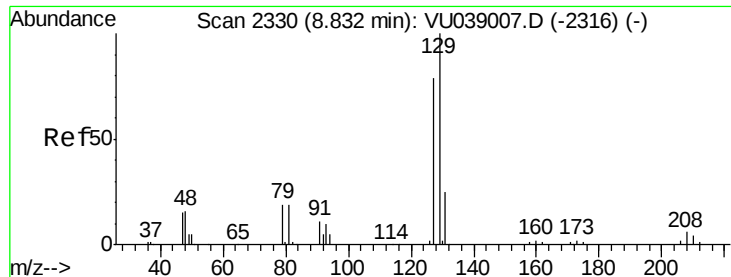
Ion 43.05 (42.75 to 43.75): VU0

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: 0.933 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU039031.D

Acq: 23 Jun 2020 01:54

Instrument :

MSVOA_U

ClientSampleId :

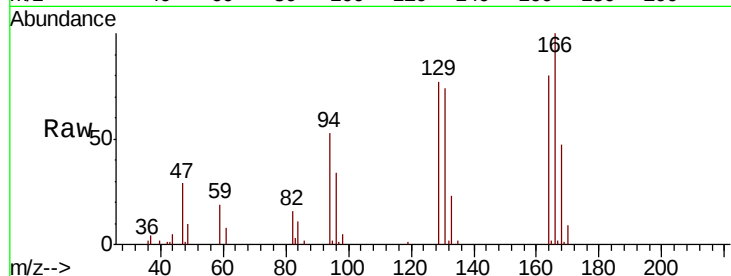
F9L47

Tot Ion:129 Resp: 16892

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

12000

10000

8000

6000

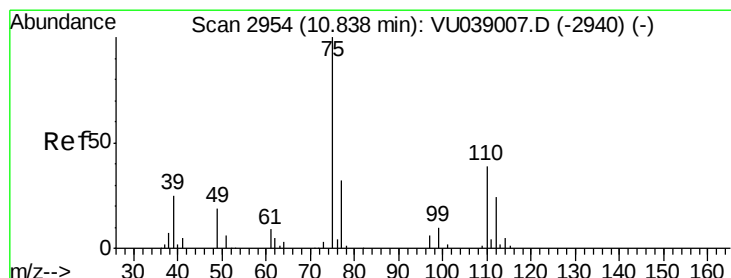
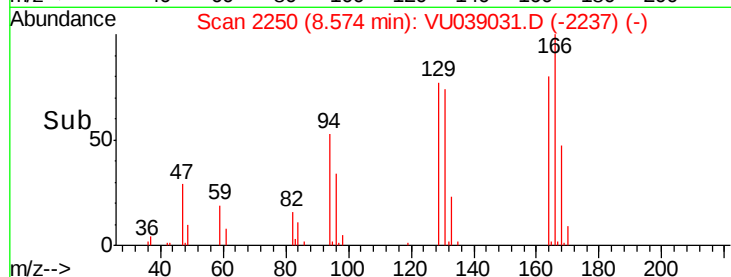
4000

2000

0

8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.960 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039031.D

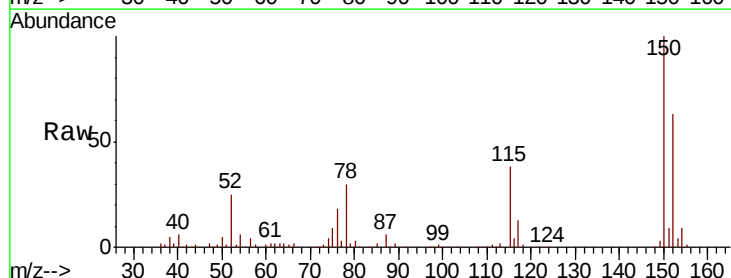
Acq: 23 Jun 2020 01:54

Tgt Ion: 75 Resp: 15747

Ion Ratio Lower Upper

75 100

77 35.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

12000

10000

8000

6000

4000

2000

0

11.75 11.80 11.85

Time-->

