

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040569.D
 Acq On : 08 Oct 2020 18:18
 Operator : SY/MD
 Sample : L4286-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW0

Quant Time: Oct 09 02:05:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	153091	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	151998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56054	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.92	69	44433	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.58	63	83551	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.66	46	194433	47.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.80%
24) Chloroform-d	5.08	84	104252	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	62514	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	193913	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	65674	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	164811	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	26941	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	140108	47.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53792	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	65928	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1854	0.143 ug/L	93
8) Chloroethane	1.96	64	464	0.053 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	668	0.052 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	644	0.059 ug/L #	1
13) Acetone	2.66	43	27919	8.873 ug/L	96
21) 2-Butanone	4.83	43	131412	26.788 ug/L #	53
33) Benzene	5.79	78	1675	0.034 ug/L	100
35) Methylcyclohexane	6.71	83	15913	0.887 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	7211	0.530 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1741	0.094 ug/L #	62
42) Toluene	7.98	91	10369	0.208 ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	1151	0.067 ug/L #	59
59) 1,2,3-Trichloropropane	11.81	75	9207	0.921 ug/L	90
66) 1,2-Dibromo-3-chloropropan	13.20	75	240	0.125 ug/L #	9
68) 1,2,4-trichlorobenzene	13.83	180	488	0.040 ug/L #	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040569.D
Acq On : 08 Oct 2020 18:18
Operator : SY/MD
Sample : L4286-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AW0

Quant Time: Oct 09 02:05:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration

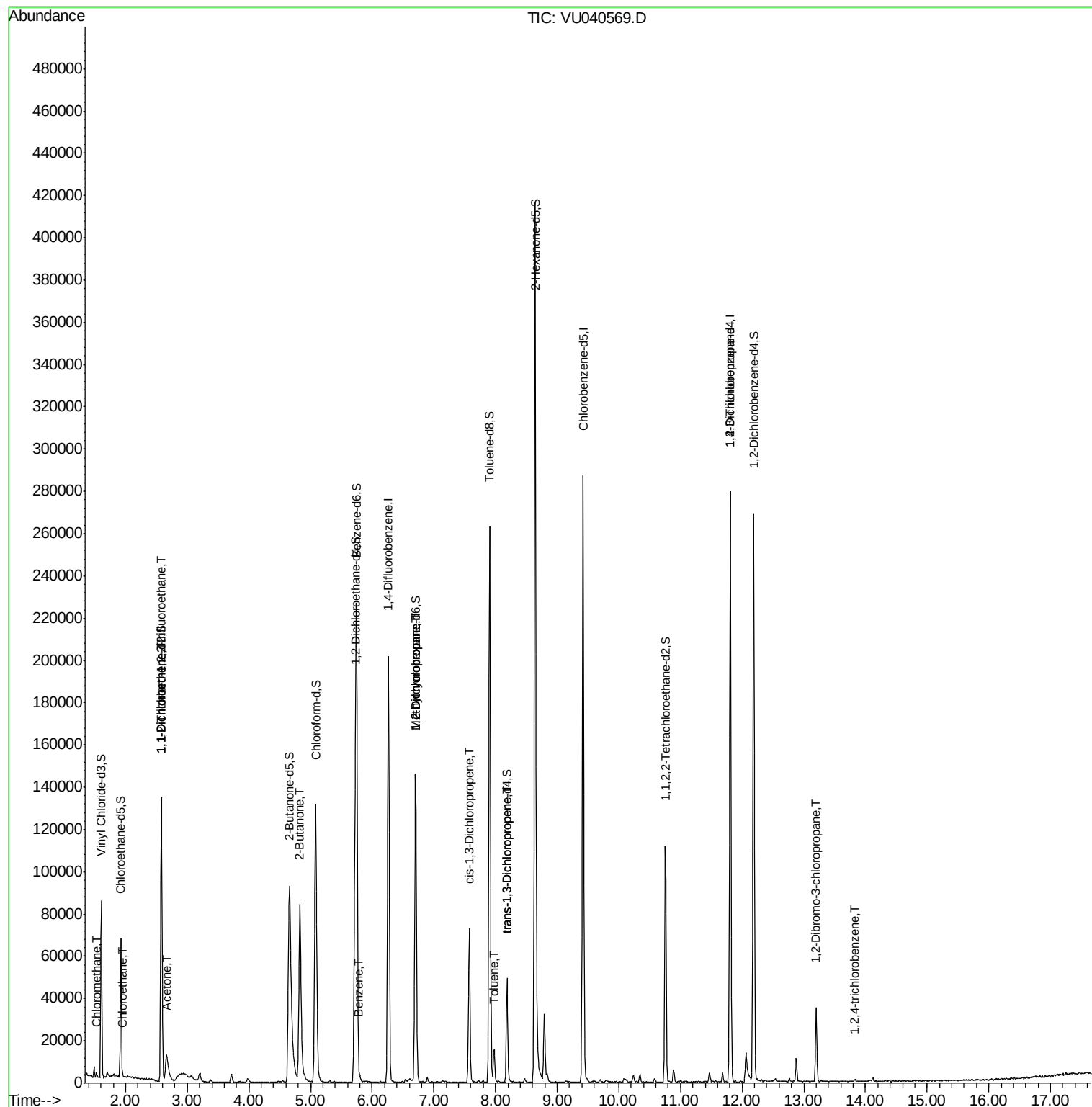
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

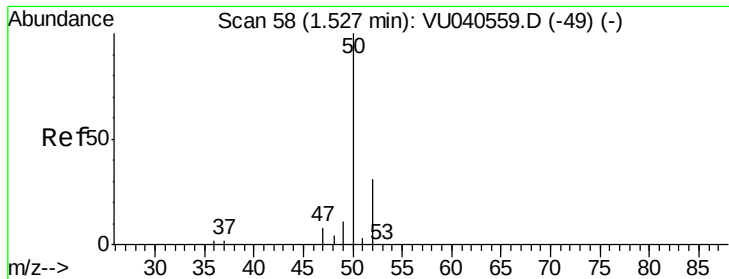
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100820\
Data File : VU040569.D
Acq On : 08 Oct 2020 18:18
Operator : SY/MD
Sample : L4286-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AW0

Quant Time: Oct 09 02:05:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.143 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampleId :

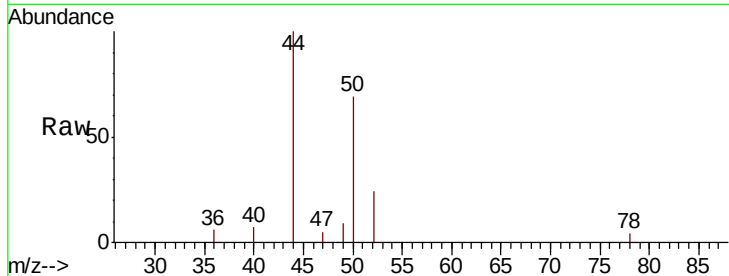
C0AW0

Tot Ion: 50 Resp: 1854

Ion Ratio Lower Upper

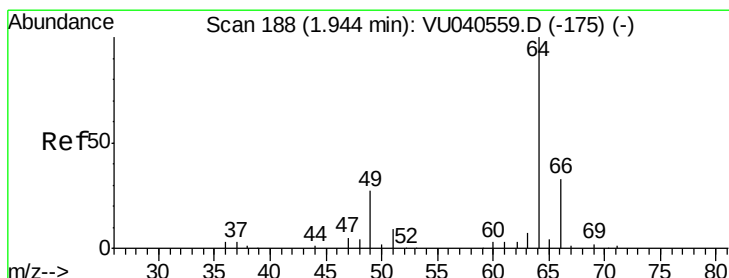
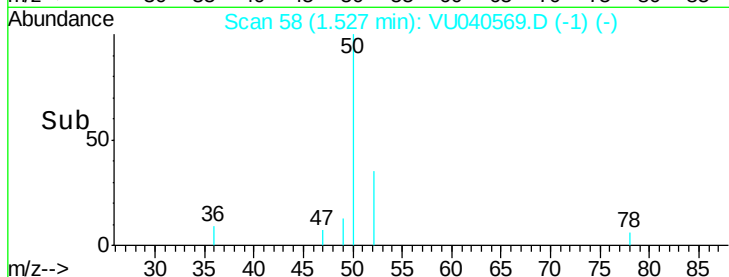
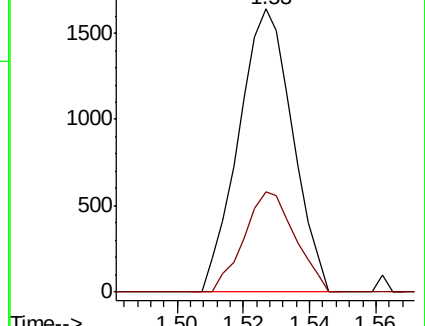
50 100

52 35.4 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040559.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040559.D (-49) (-)



#8

Chloroethane

Concen: 0.053 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU040569.D

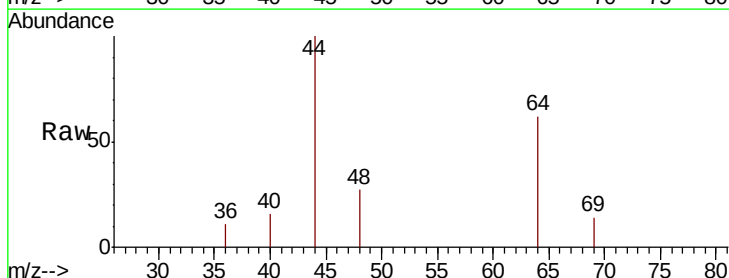
Acq: 08 Oct 2020 18:18

Tgt Ion: 64 Resp: 464

Ion Ratio Lower Upper

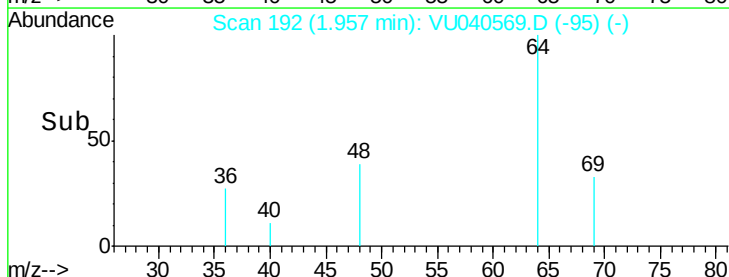
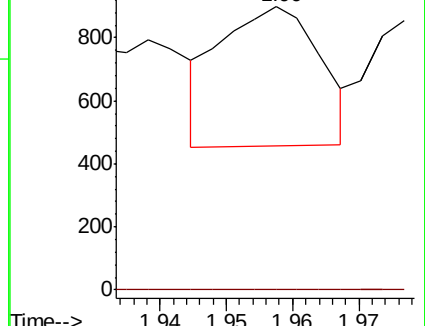
64 100

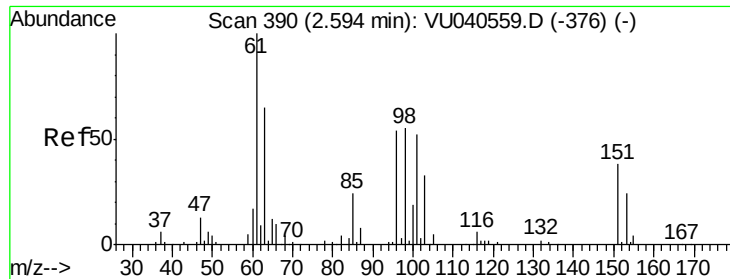
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040559.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU040559.D (-175) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.052 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampleId :

C0AW0

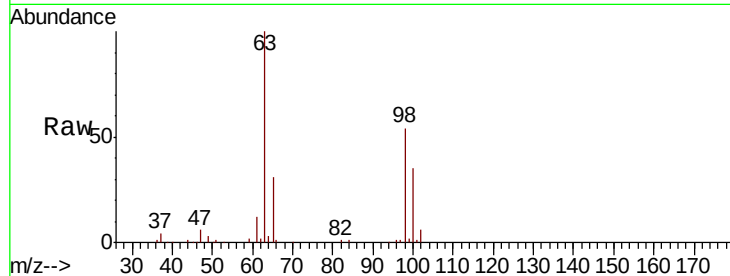
Tot Ion:101 Resp: 668

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

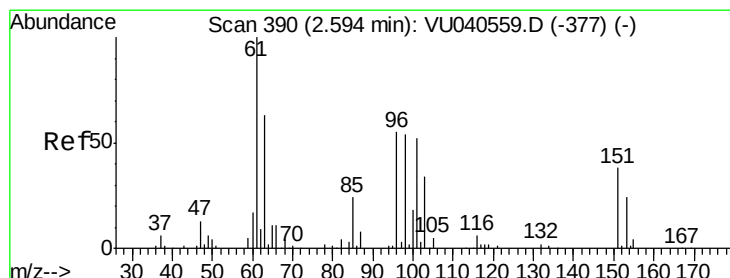
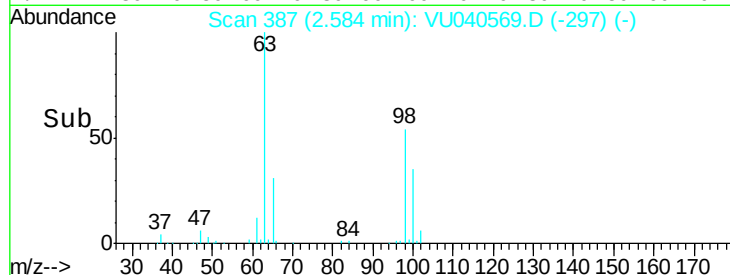
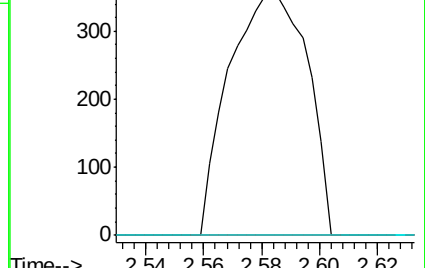
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.059 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

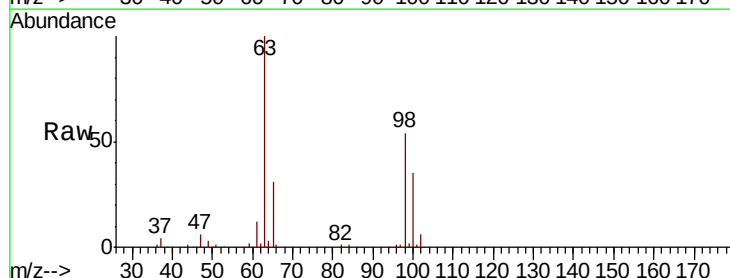
Tgt Ion: 96 Resp: 644

Ion Ratio Lower Upper

96 100

61 1118.8 128.8 239.2#

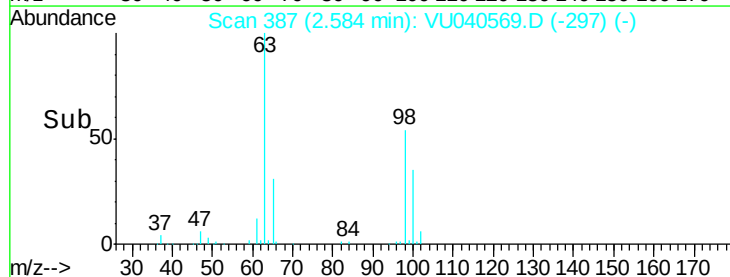
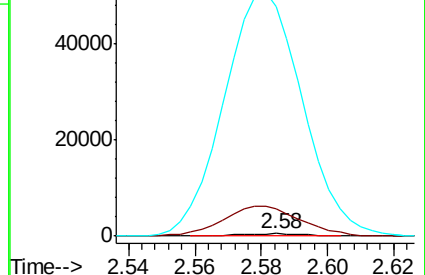
63 9641.9 84.6 157.2#

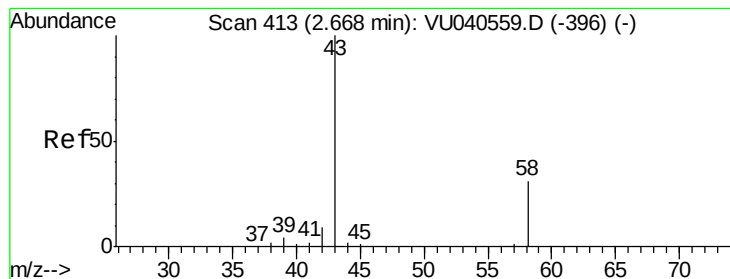


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.873 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampled :

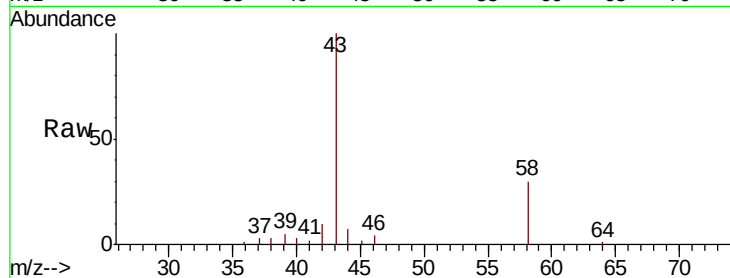
C0AW0

Tot Ion: 43 Resp: 27919

Ion Ratio Lower Upper

43 100

58 27.9 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-396) (-)

2.66

8000

6000

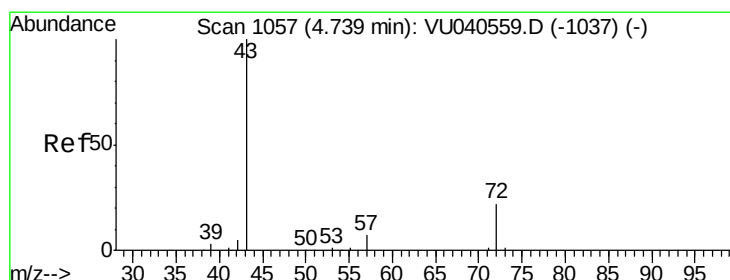
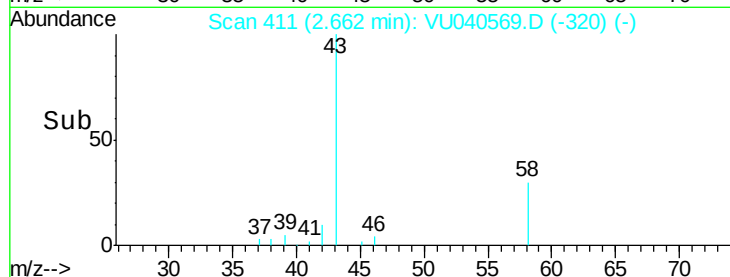
4000

2000

0

Time-->

2.60 2.70 2.80



#21

2-Butanone

Concen: 26.788 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU040569.D

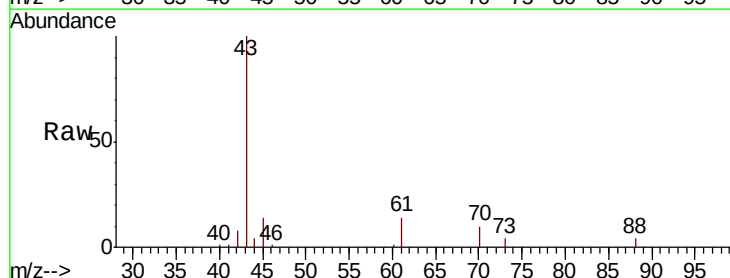
Acq: 08 Oct 2020 18:18

Tgt Ion: 43 Resp: 131412

Ion Ratio Lower Upper

43 100

72 0.2 11.4 34.2#



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU040559.D (-1037) (-)

4.83

60000

50000

40000

30000

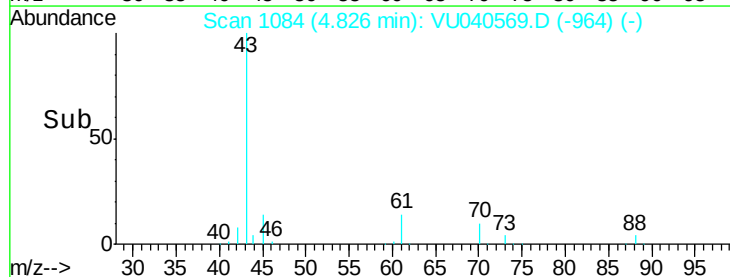
20000

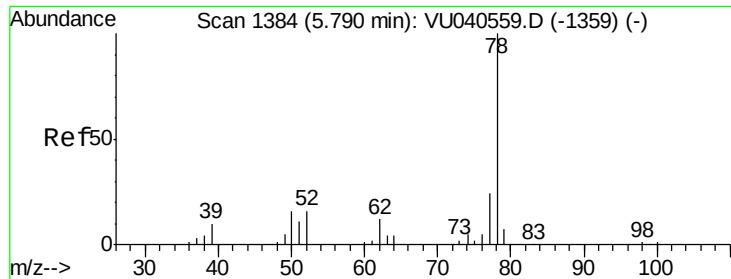
10000

0

Time-->

4.70 4.80 4.90 5.00





#33

Benzene

Concen: 0.034 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

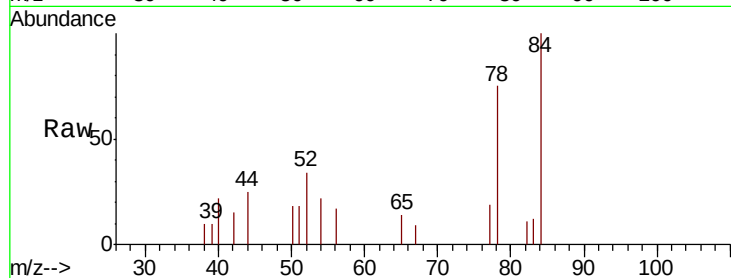
Instrument :

MSVOA_U

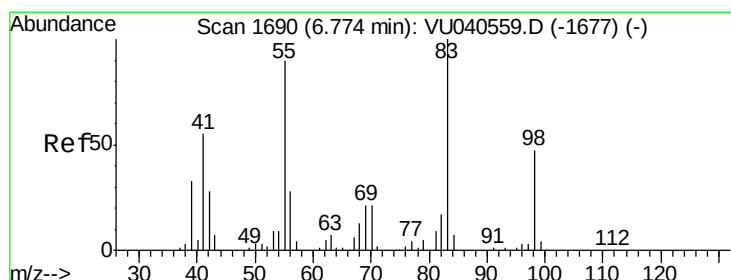
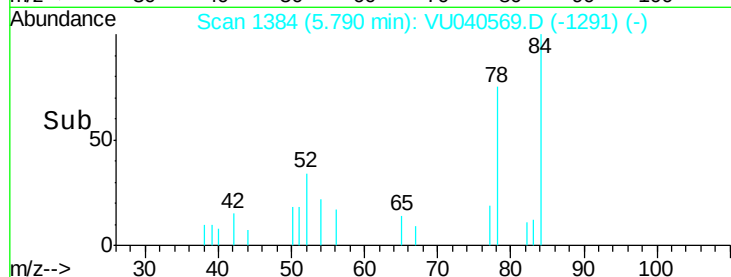
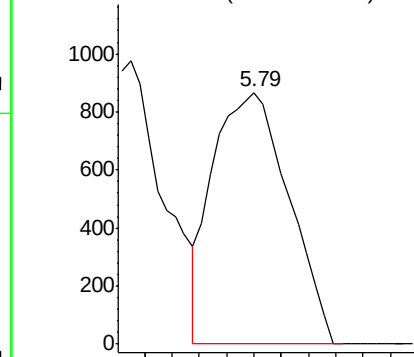
ClientSampleId :

C0AW0

Tgt Ion: 78 Resp: 1675



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.887 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

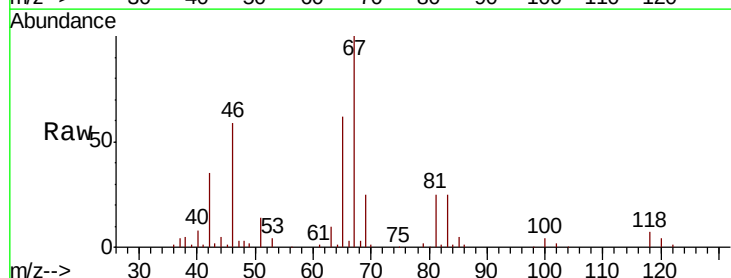
Tgt Ion: 83 Resp: 15913

Ion Ratio Lower Upper

83 100

55 0.8 70.7 106.1#

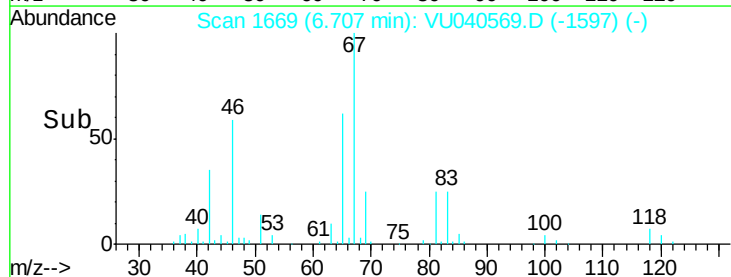
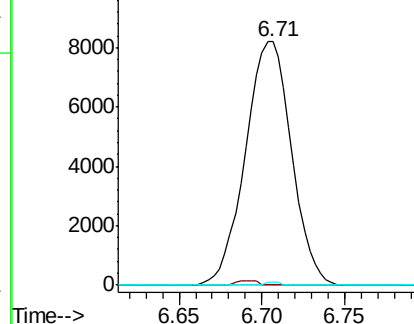
98 0.4 38.4 57.6#

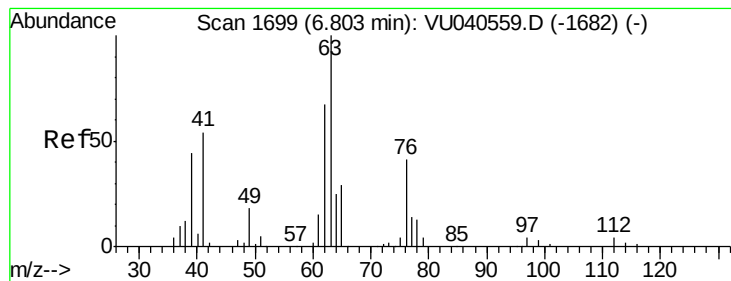


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampleId :

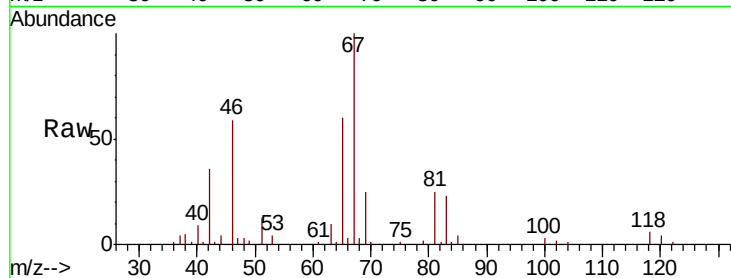
C0AW0

Tot Ion: 63 Resp: 7211

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040559.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU040559.D (-1682) (-)

6.70

3000

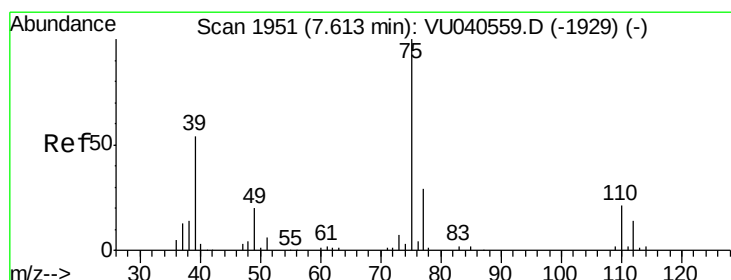
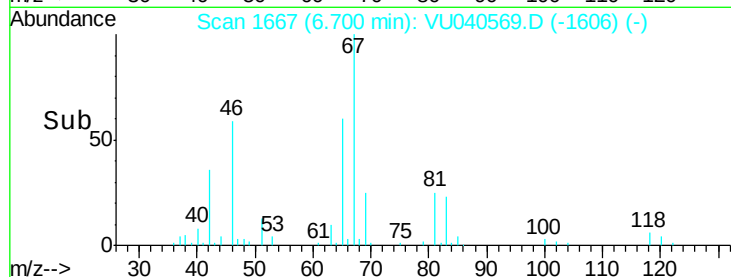
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040569.D

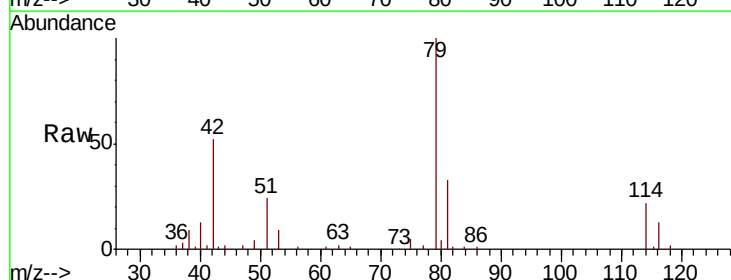
Acq: 08 Oct 2020 18:18

Tgt Ion: 75 Resp: 1741

Ion Ratio Lower Upper

75 100

77 49.4 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU040559.D (-1929) (-)

Ion 77.05 (76.75 to 77.75): VU040559.D (-1929) (-)

7.57

1200

1000

800

600

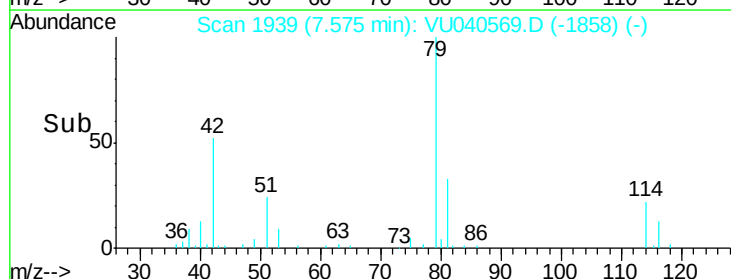
400

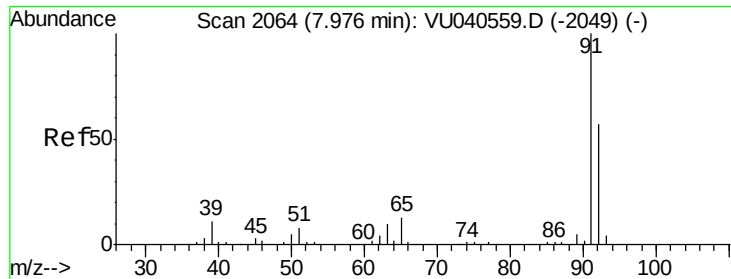
200

0

7.55 7.57 7.60

Time-->





#42

Toluene

Concen: 0.208 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampleId :

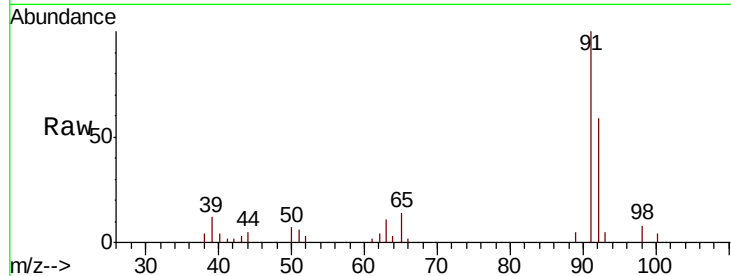
C0AW0

Tot Ion: 91 Resp: 10369

Ion Ratio Lower Upper

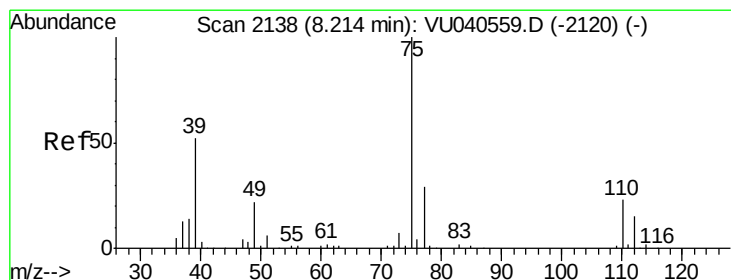
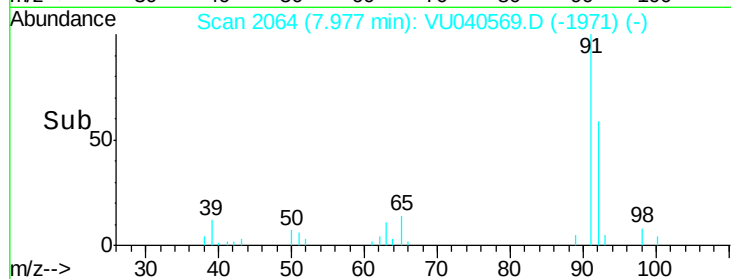
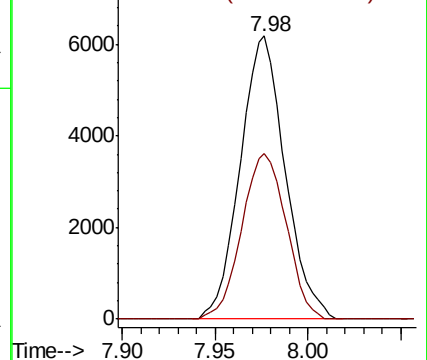
91 100

92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040569.D

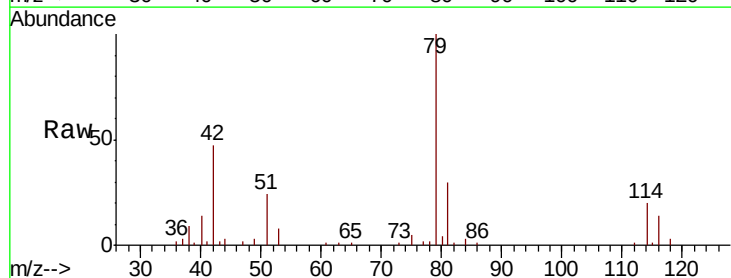
Acq: 08 Oct 2020 18:18

Tgt Ion: 75 Resp: 1151

Ion Ratio Lower Upper

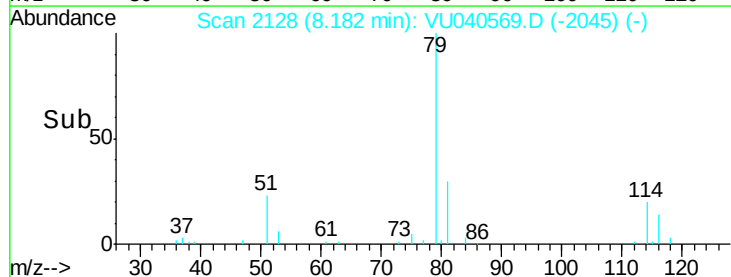
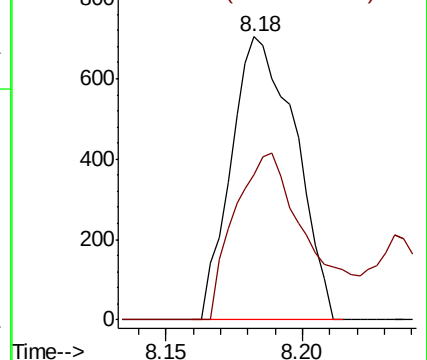
75 100

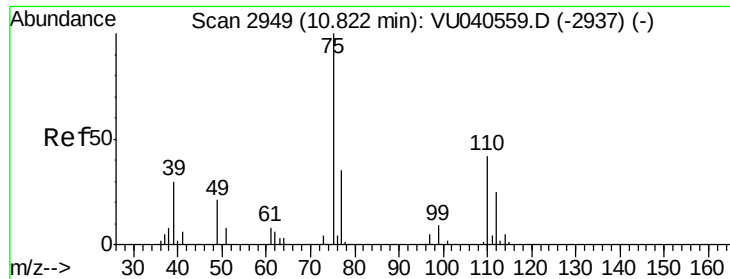
77 51.3 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 0.921 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampled :

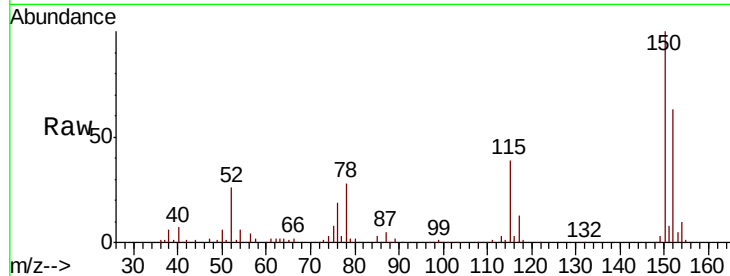
C0AW0

Tot Ion: 75 Resp: 9207

Ion Ratio Lower Upper

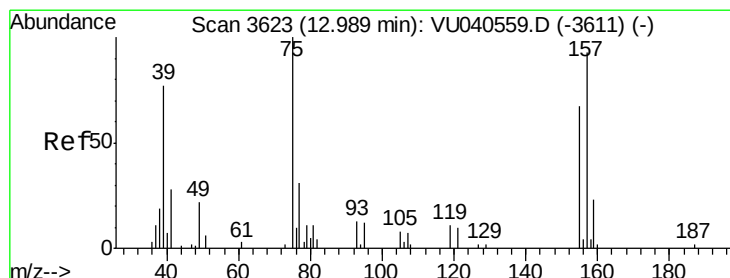
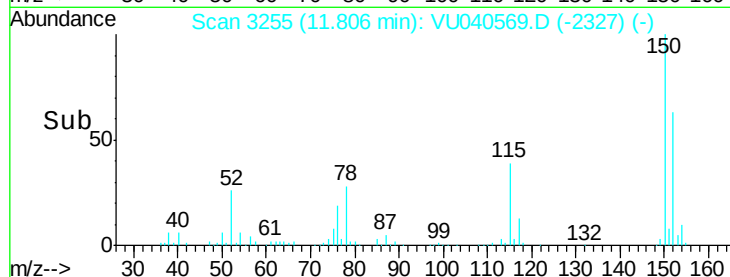
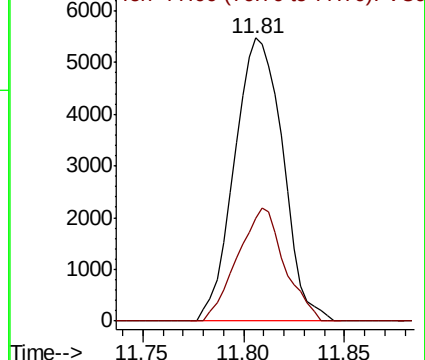
75 100

77 38.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.125 ug/L

RT: 13.20 min Scan# 3689

Delta R.T. 0.21 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

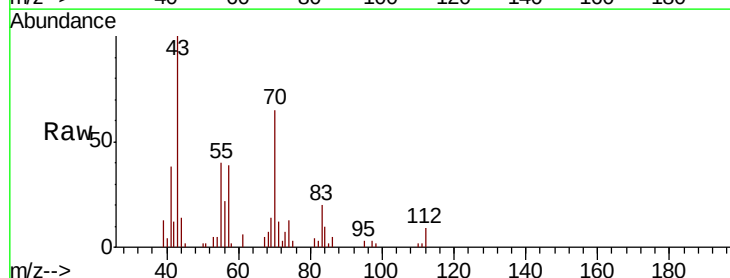
Tgt Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

155 0.0 53.8 80.6#

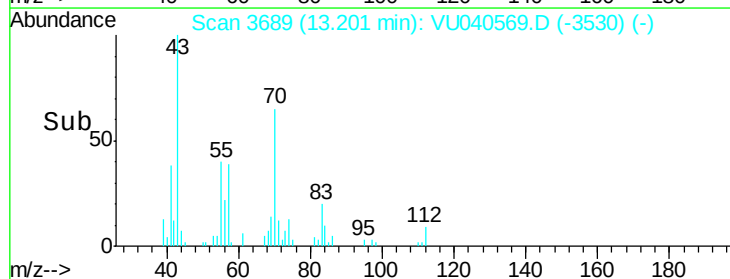
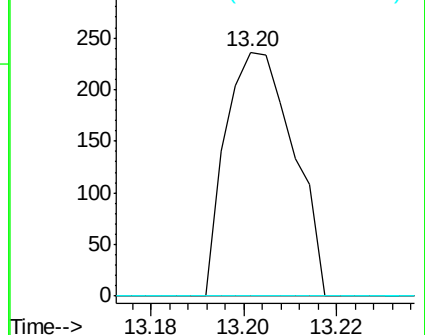
157 0.0 74.6 112.0#

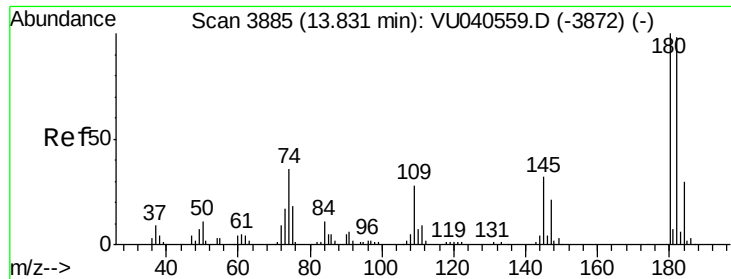


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#68

1,2,4-trichlorobenzene

Concen: 0.040 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU040569.D

Acq: 08 Oct 2020 18:18

Instrument :

MSVOA_U

ClientSampleId :

C0AW0

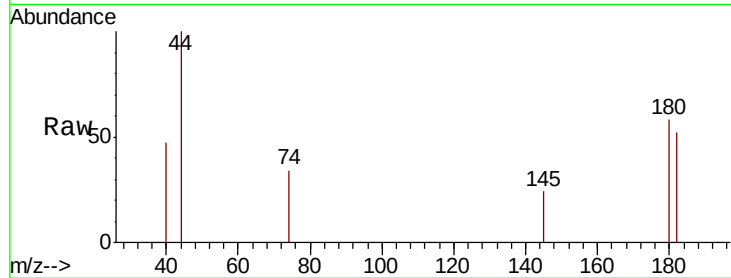
Tot Ion:180 Resp: 488

Ion Ratio Lower Upper

180 100

182 103.5 78.8 118.2

145 17.4 26.1 39.1#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

