

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041287.D
 Acq On : 17 Nov 2020 17:55
 Operator : SY/MD
 Sample : L4740-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB116

Quant Time: Nov 17 22:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64080	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26967	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22438	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	20366	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.58	63	35365	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.66	46	92340	47.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.02%
24) Chloroform-d	5.08	84	49524	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.72	65	31635	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.74	84	87879	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	32769	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.91	98	75849	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	12386	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.64	63	64707	45.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26783	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	27422	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	340	0.060 ug/L #	81
6) Bromomethane	1.87	94	317	0.096 ug/L	90
8) Chloroethane	1.93	64	137	0.037 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	212	0.045 ug/L #	22
13) Acetone	2.66	43	13826	10.724 ug/L	82
21) 2-Butanone	4.74	43	4366	2.230 ug/L	88
22) cis-1,2-Dichloroethene	4.69	96	3396	0.740 ug/L	95
33) Benzene	5.79	78	1473	0.082 ug/L	100
34) Trichloroethene	6.56	95	666	0.137 ug/L	93
35) Methylcyclohexane	6.70	83	7419	1.148 ug/L #	13
37) 1,2-Dichloropropane	6.71	63	3755	0.714 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	778	0.106 ug/L	88
42) Toluene	7.98	91	2487	0.129 ug/L	85
44) trans-1,3-Dichloropropene	8.19	75	627	0.090 ug/L #	64
48) 2-Hexanone	8.69	43	2039	0.627 ug/L #	78
53) m,p-Xylene	9.69	106	376	0.051 ug/L	92
59) 1,2,3-Trichloropropane	11.81	75	3521	0.849 ug/L #	82

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QLast Update : Tue Nov 17 22:32:58 2020
Response via : Initial Calibration

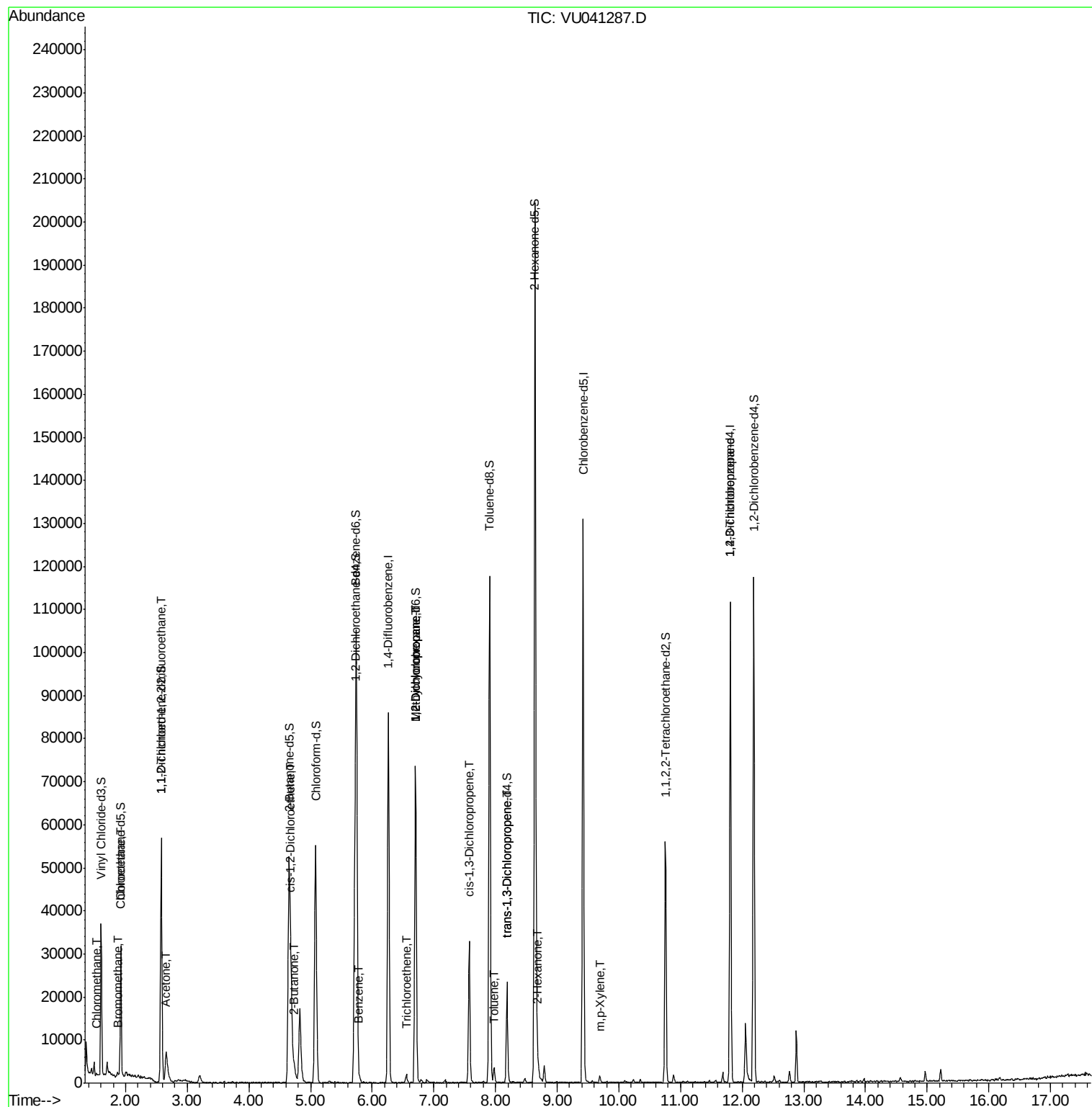
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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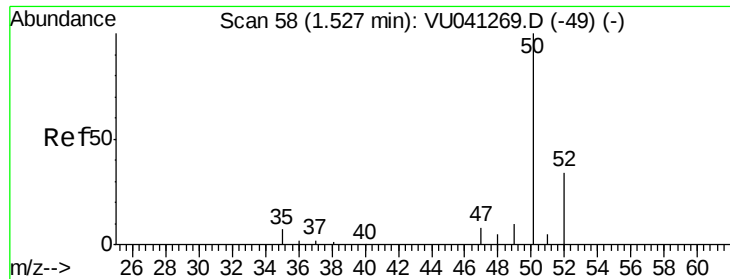
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111720\
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#3

Chloromethane

Concen: 0.060 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041287.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA_U

ClientSampleId :

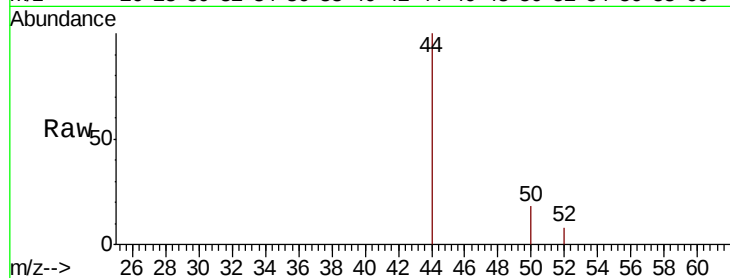
GB116

Tot Ion: 50 Resp: 340

Ion Ratio Lower Upper

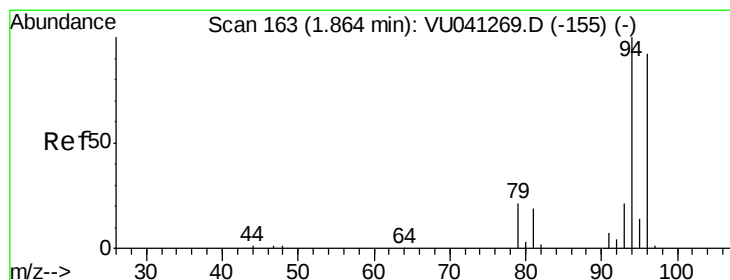
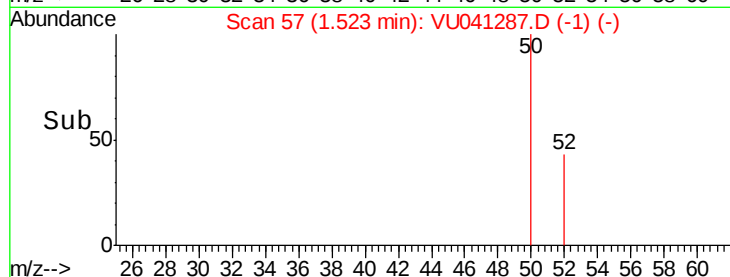
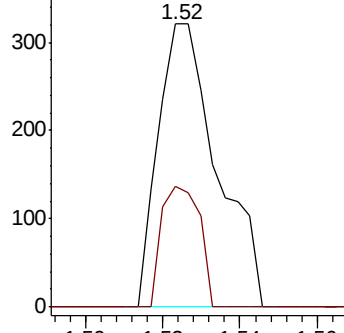
50 100

52 42.7 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.096 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041287.D

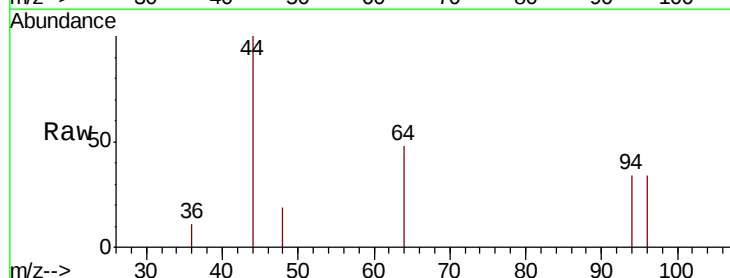
Acq: 17 Nov 2020 17:55

Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

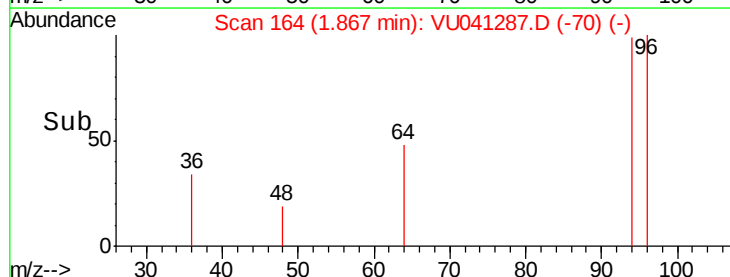
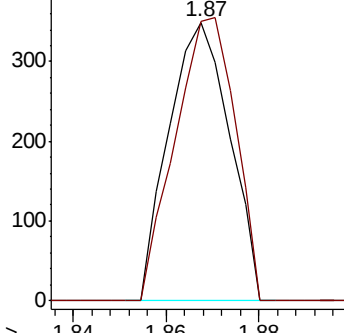
94 100

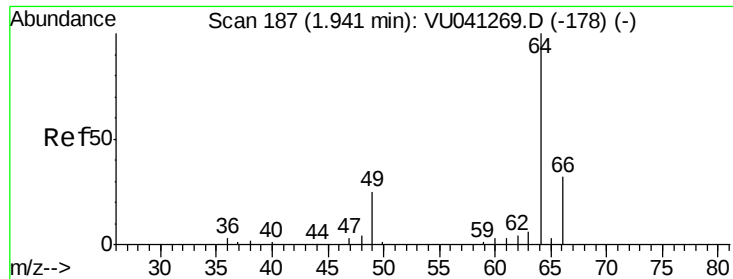
96 100.6 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

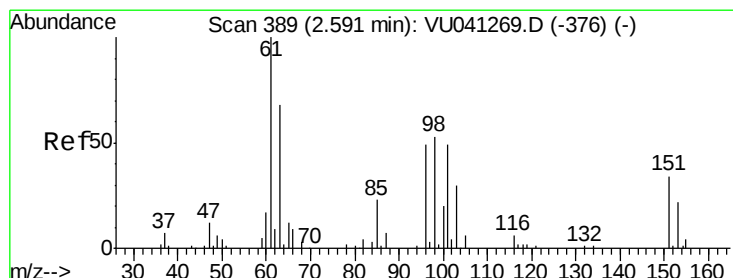
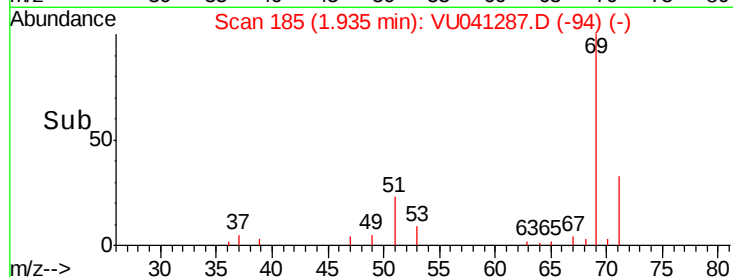
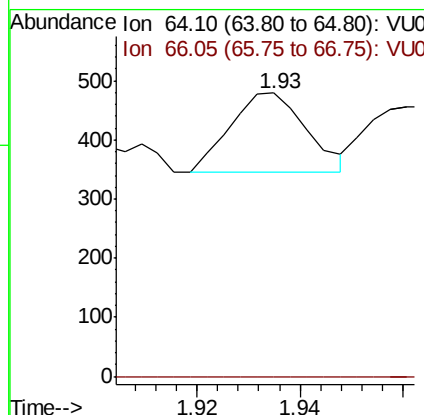
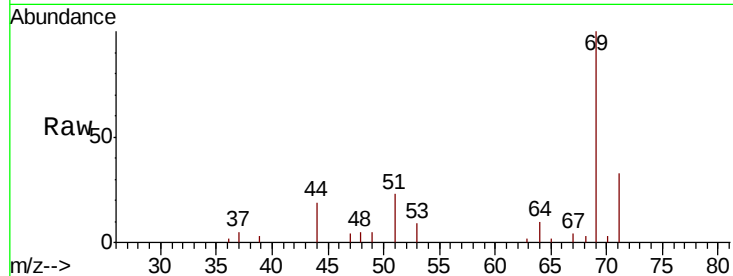




#8
 Chloroethane
 Concen: 0.037 ug/L
 RT: 1.93 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VU041287.D
 Acq: 17 Nov 2020 17:55

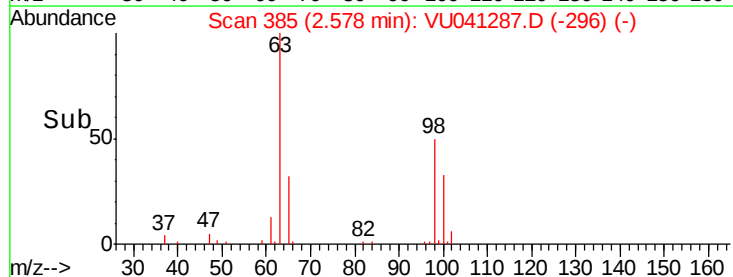
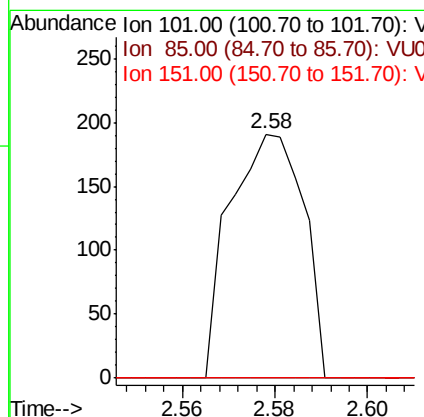
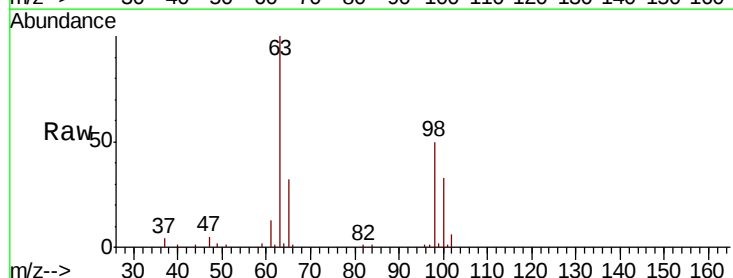
Instrument :
 MSVOA_U
 ClientSampled :
 GB116

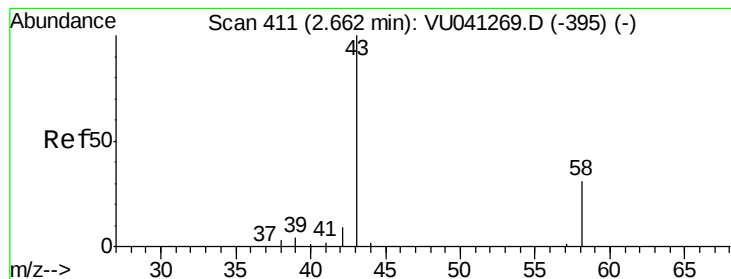
Tot Ion: 64 Resp: 137
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.3 41.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.045 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041287.D
 Acq: 17 Nov 2020 17:55

Tgt Ion: 101 Resp: 212
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.0 52.4#
 151 0.0 55.3 82.9#





#13

Acetone

Concen: 10.724 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041287.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA_U

ClientSampled :

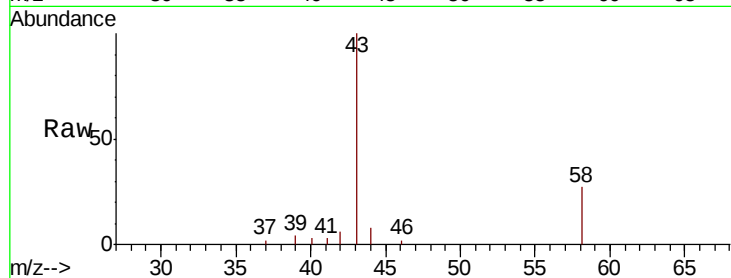
GB116

Tot Ion: 43 Resp: 13826

Ion Ratio Lower Upper

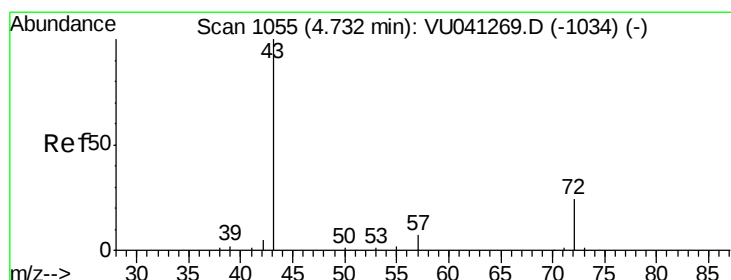
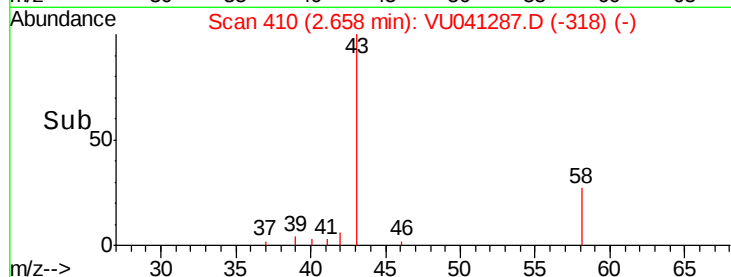
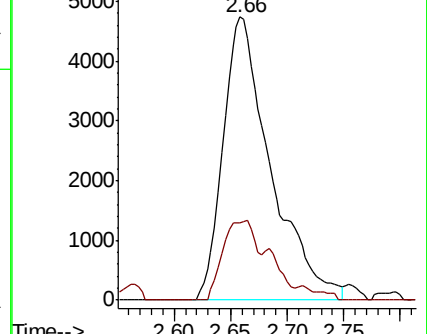
43 100

58 19.9 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 2.230 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU041287.D

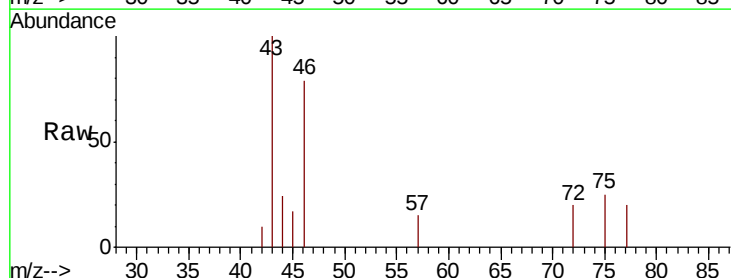
Acq: 17 Nov 2020 17:55

Tgt Ion: 43 Resp: 4366

Ion Ratio Lower Upper

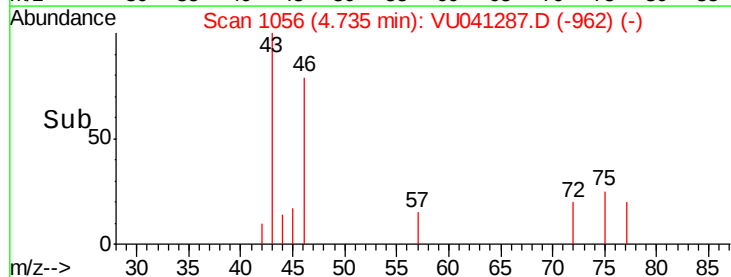
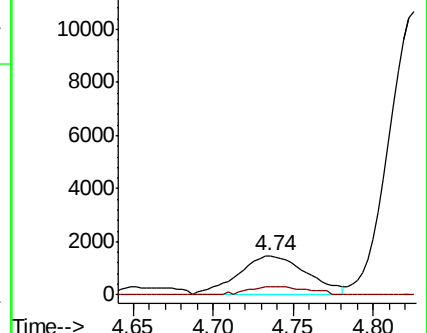
43 100

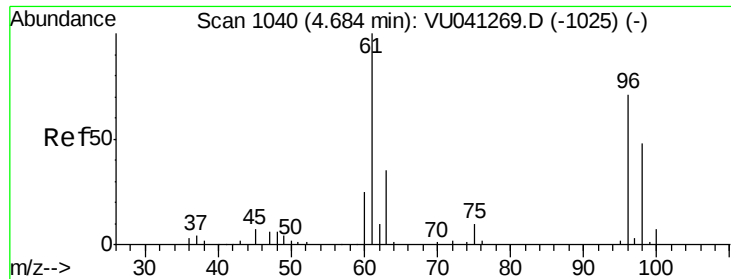
72 17.9 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.740 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041287.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA_U

ClientSampled :

GB116

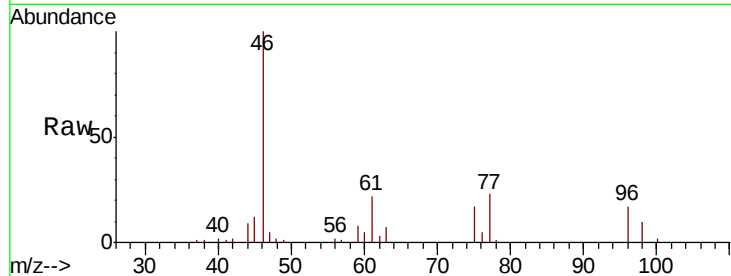
Tot Ion: 96 Resp: 3396

Ion Ratio Lower Upper

96 100

61 133.2 97.2 180.4

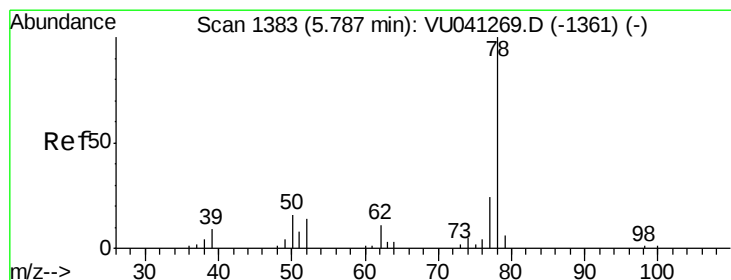
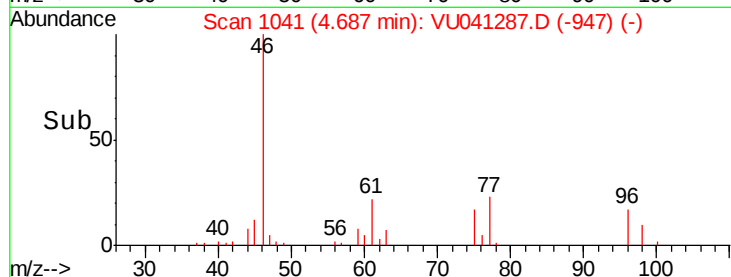
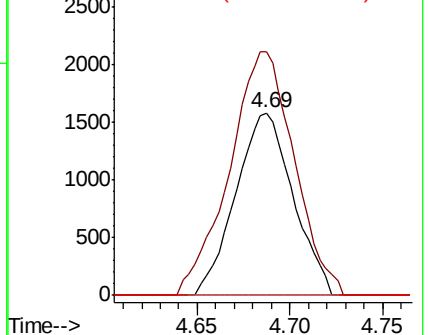
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#33

Benzene

Concen: 0.082 ug/L

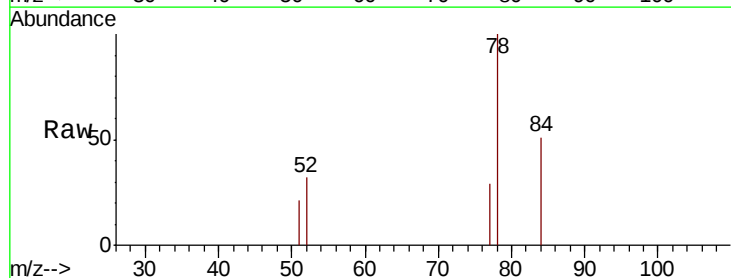
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

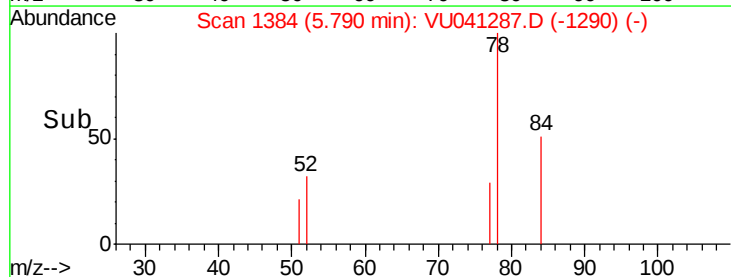
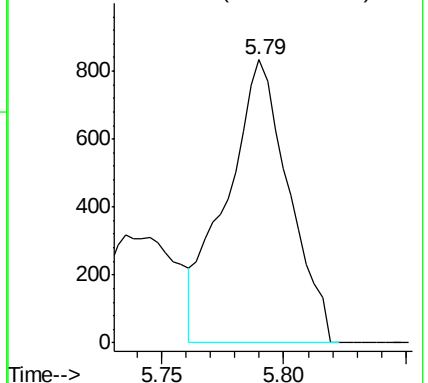
Lab File: VU041287.D

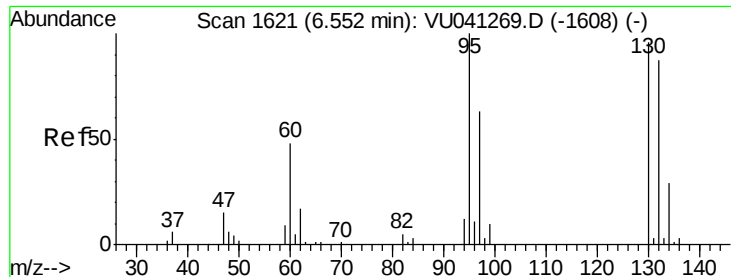
Acq: 17 Nov 2020 17:55

Tgt Ion: 78 Resp: 1473



Abundance Ion 78.10 (77.80 to 78.80): VU0

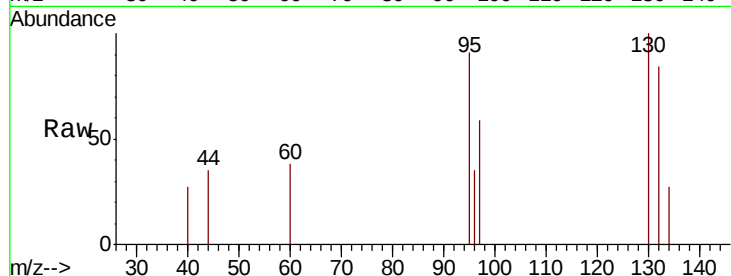




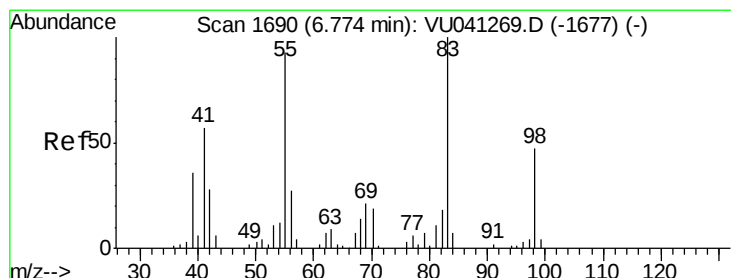
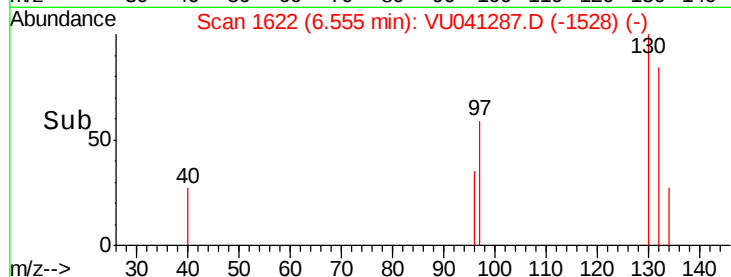
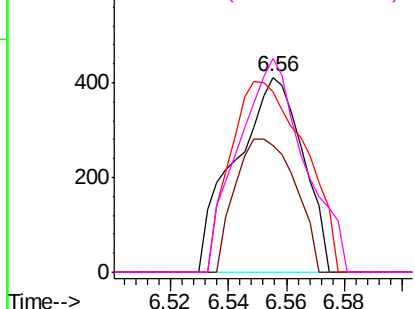
#34
 Trichloroethene
 Concen: 0.137 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041287.D
 Acq: 17 Nov 2020 17:55

Instrument :
 MSVOA_U
 ClientSampleId :
 GB116

Tot Ion: 95 Resp: 666
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.6 84.6
 132 92.5 64.8 120.4
 130 109.7 64.8 120.4

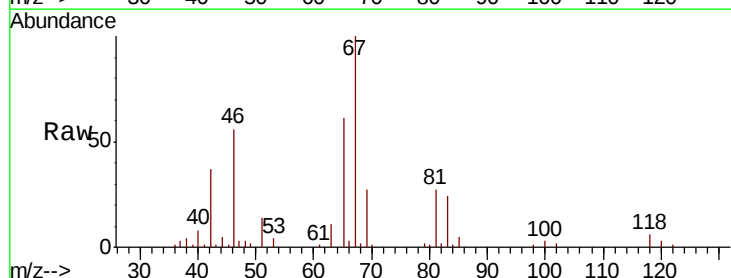


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

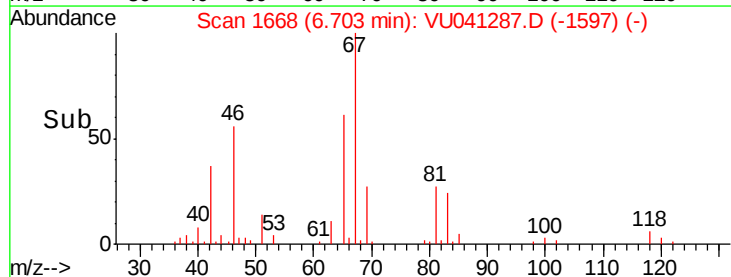
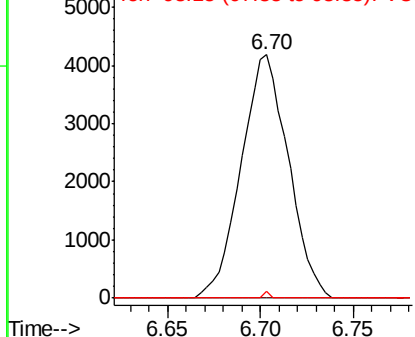


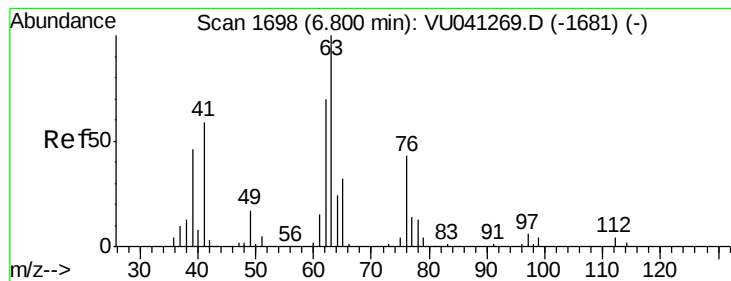
#35
 Methylcyclohexane
 Concen: 1.148 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041287.D
 Acq: 17 Nov 2020 17:55

Tgt Ion: 83 Resp: 7419
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 0.3 36.6 55.0#



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: 0.714 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.09 min

Lab File: VU041287.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA_U

ClientSampleId :

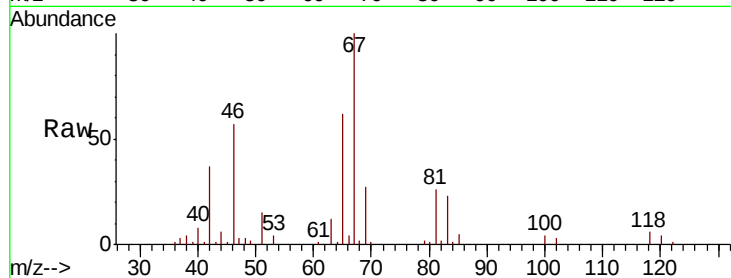
GB116

Tot Ion: 63 Resp: 3755

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041287.D (-1669) (-)

Ion 112.10 (111.80 to 112.80): VU041287.D (-1669) (-)

6.71

2000

1500

1000

500

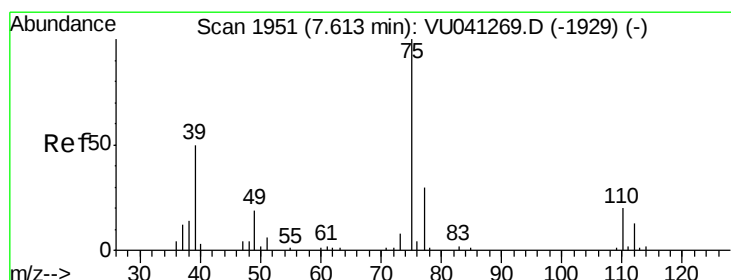
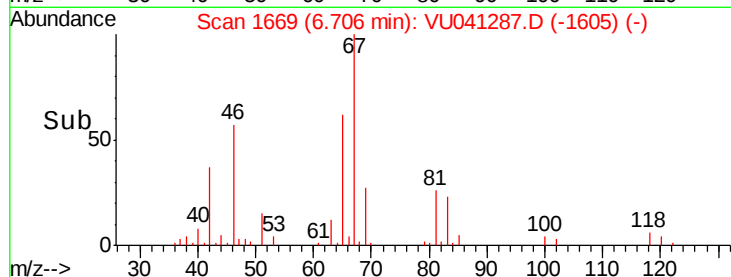
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041287.D

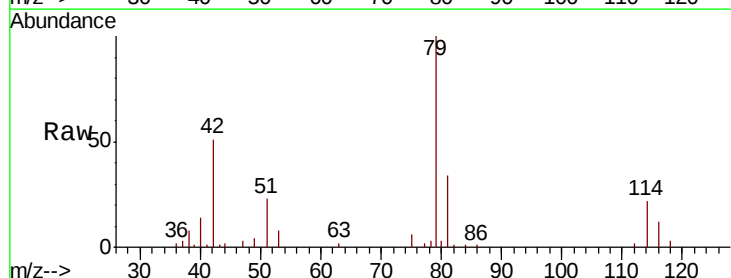
Acq: 17 Nov 2020 17:55

Tgt Ion: 75 Resp: 778

Ion Ratio Lower Upper

75 100

77 39.4 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041287.D (-1939) (-)

Ion 77.05 (76.75 to 77.75): VU041287.D (-1939) (-)

7.57

600

400

200

0

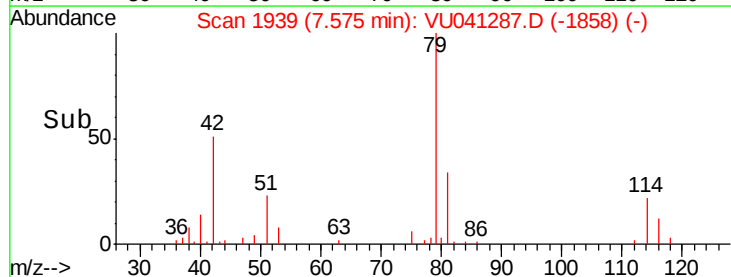
7.54

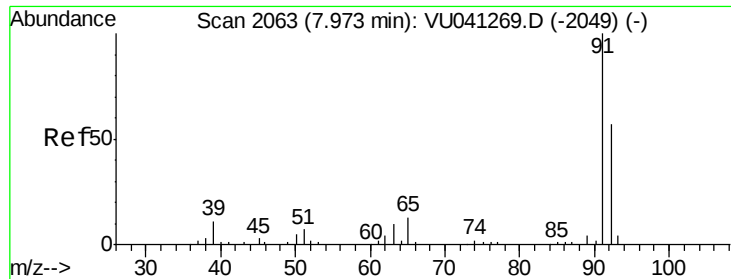
7.56

7.58

7.60

Time-->





#42

Toluene

Concen: 0.129 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041287.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA_U

ClientSampleId :

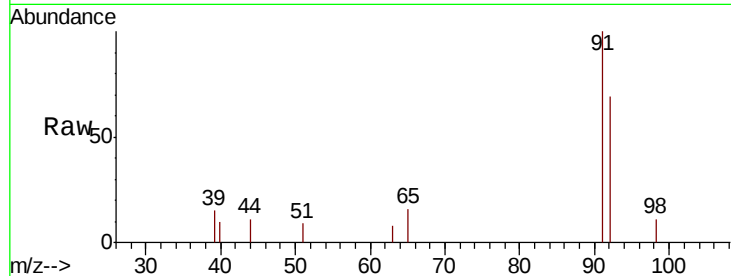
GB116

Tot Ion: 91 Resp: 2487

Ion Ratio Lower Upper

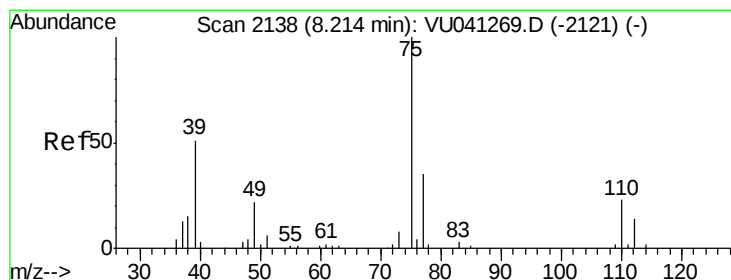
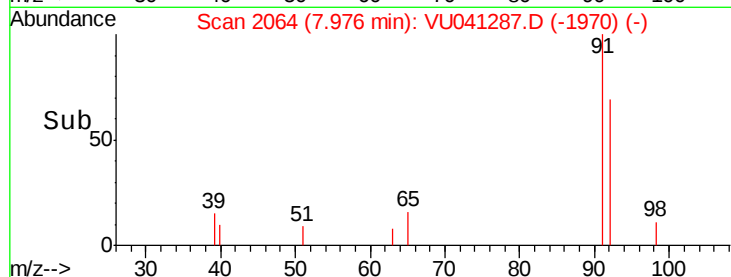
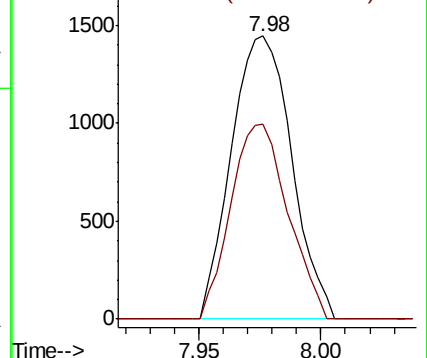
91 100

92 68.9 40.6 75.4



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: 0.090 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041287.D

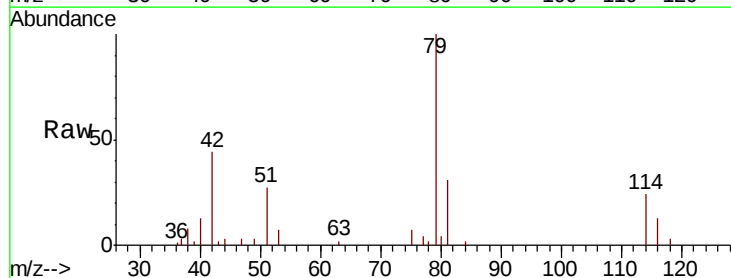
Acq: 17 Nov 2020 17:55

Tgt Ion: 75 Resp: 627

Ion Ratio Lower Upper

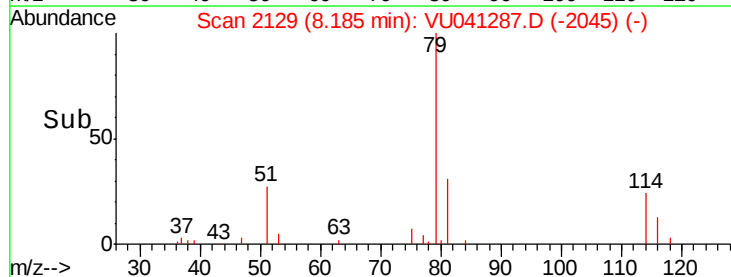
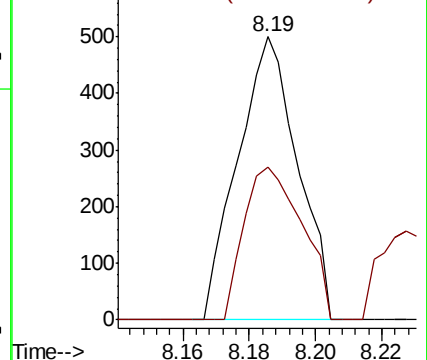
75 100

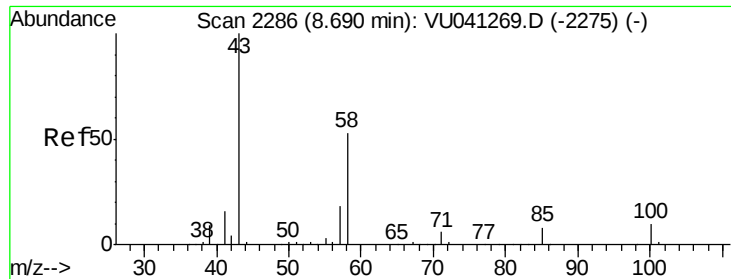
77 53.8 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

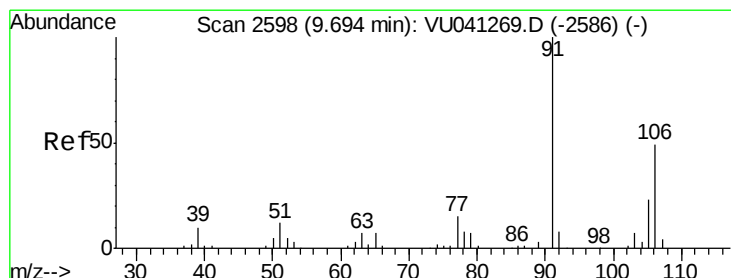
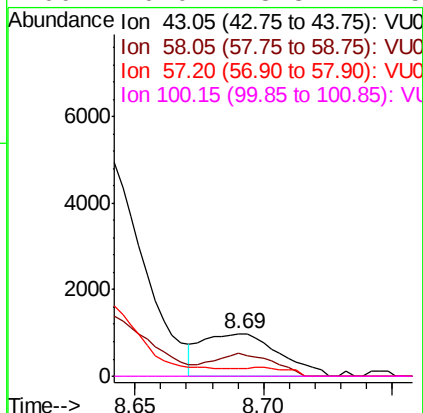
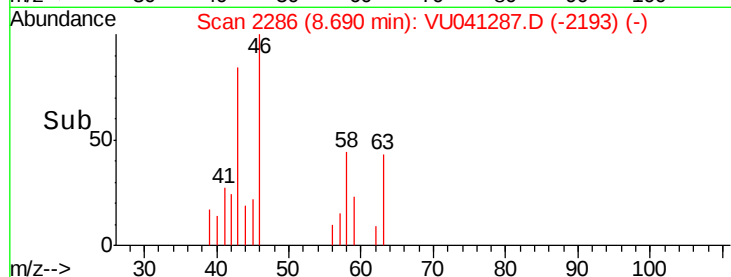
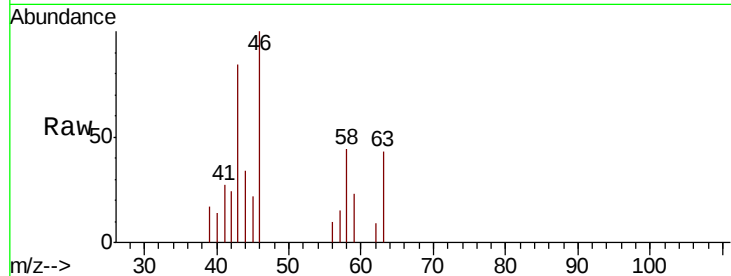




#48
2-Hexanone
Concen: 0.627 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041287.D
Acq: 17 Nov 2020 17:55

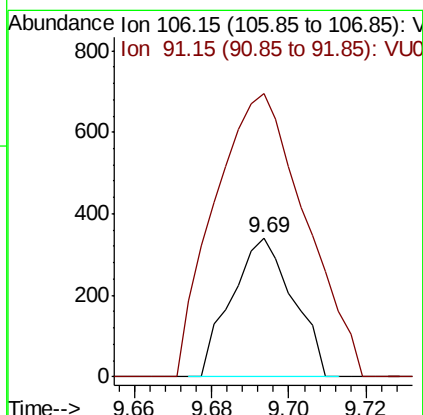
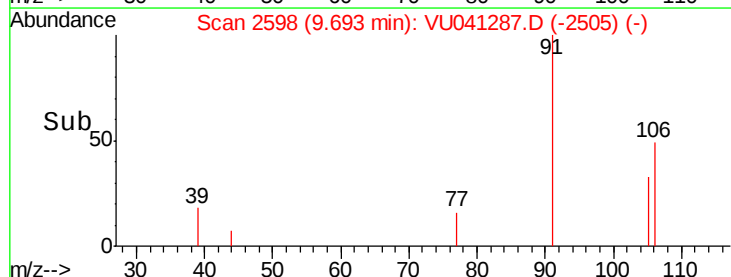
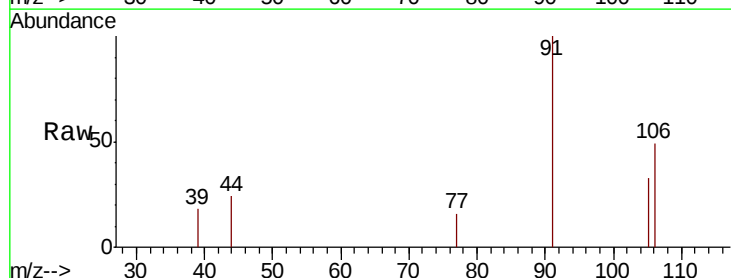
Instrument :
MSVOA_U
ClientSampleId :
GB116

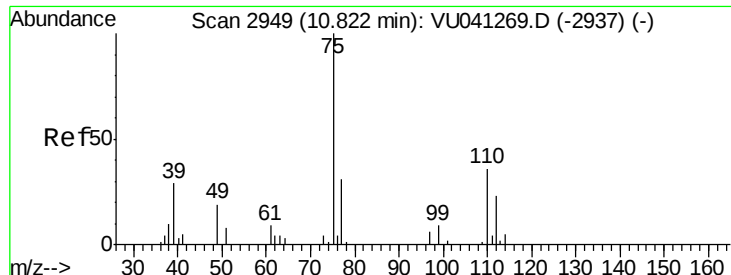
Tot Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
58 41.3 41.4 62.2#
57 0.0 14.6 21.8#
100 0.0 8.3 12.5#



#53
m,p-Xylene
Concen: 0.051 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041287.D
Acq: 17 Nov 2020 17:55

Tgt Ion: 106 Resp: 376
Ion Ratio Lower Upper
106 100
91 203.5 150.9 280.3





#59

1,2,3-Trichloropropane

Concen: 0.849 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041287.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA_U

ClientSampleId :

GB116

Tot Ion: 75 Resp: 3521

Ion Ratio Lower Upper

75 100

77 42.0 25.7 38.5#

