

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040604.D
 Acq On : 09 Oct 2020 23:47
 Operator : SY/MD
 Sample : L4352-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETYZ0

Quant Time: Oct 10 06:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131756	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134604	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57049	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47986	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	41364	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	74760	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.67	46	191612	54.85	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.70%
24) Chloroform-d	5.08	84	96834	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	58619	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.75	84	178278	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	60039	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	143675	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	23323	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	134641	51.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52477	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	57610	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

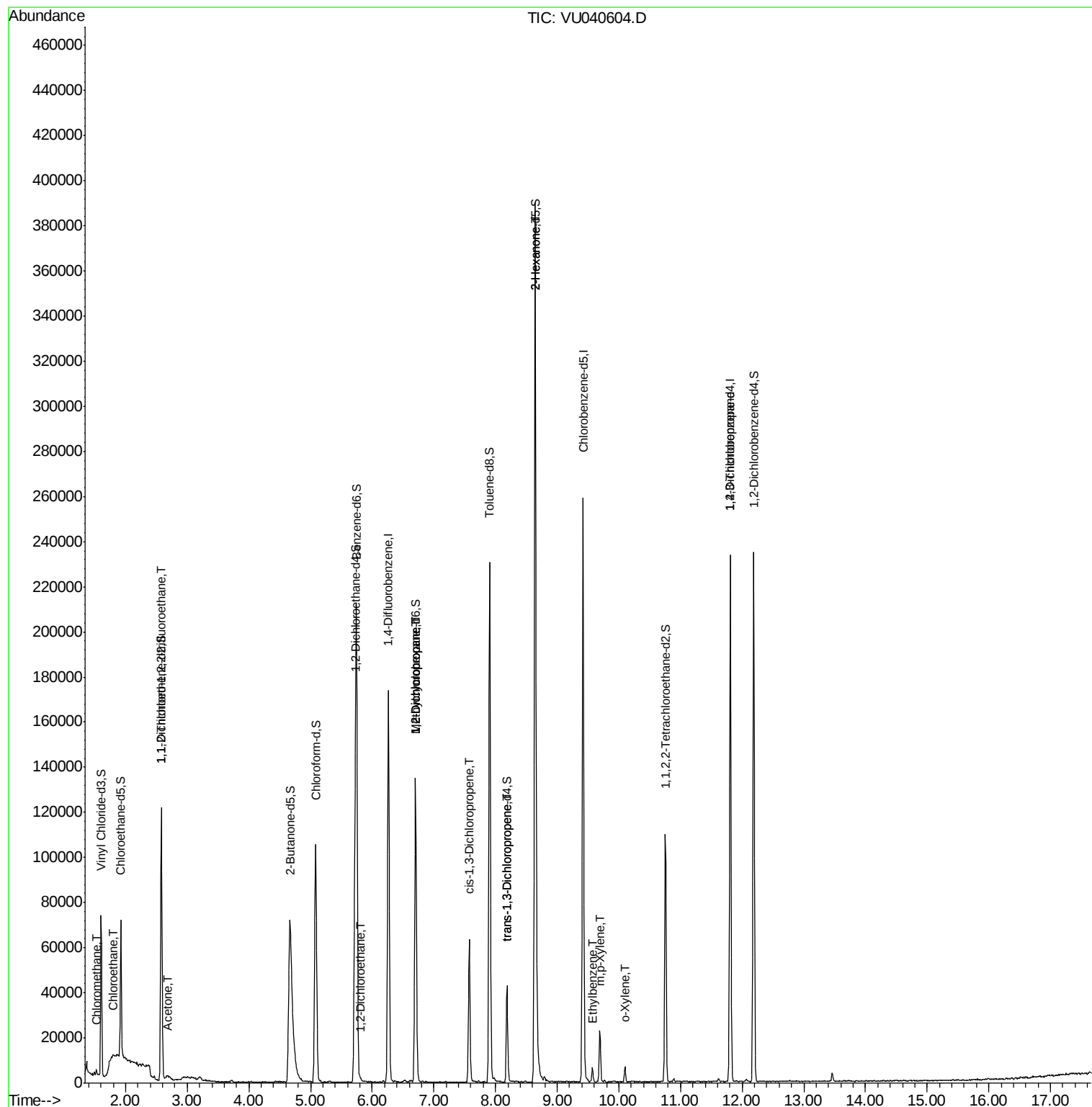
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	1544	0.138	ug/L	91
8) Chloroethane	1.79	64	898	0.120	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	585	0.053	ug/L #	20
13) Acetone	2.68	43	3429	1.266	ug/L	61
27) 1,2-Dichloroethane	5.81	62	574	0.039	ug/L #	77
35) Methylcyclohexane	6.70	83	13671	0.860	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6902	0.573	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1832	0.111	ug/L #	73
44) trans-1,3-Dichloropropene	8.19	75	1052	0.069	ug/L #	70
48) 2-Hexanone	8.64	43	21829	3.052	ug/L #	70
52) Ethylbenzene	9.57	91	4406	0.092	ug/L	99
53) m,p-Xylene	9.69	106	5971	0.343	ug/L	93
54) o-Xylene	10.10	106	1615	0.097	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	7744	0.875	ug/L	93

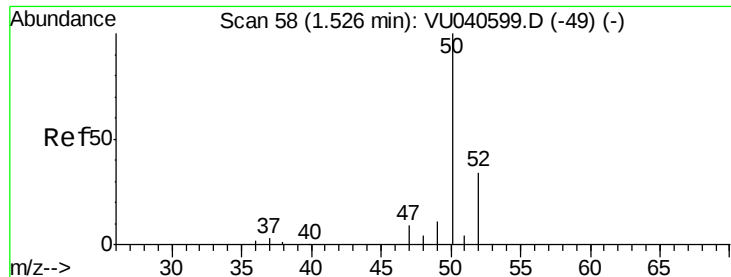
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 05:58:50 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.138 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

Instrument :

MSVOA_U

ClientSampled :

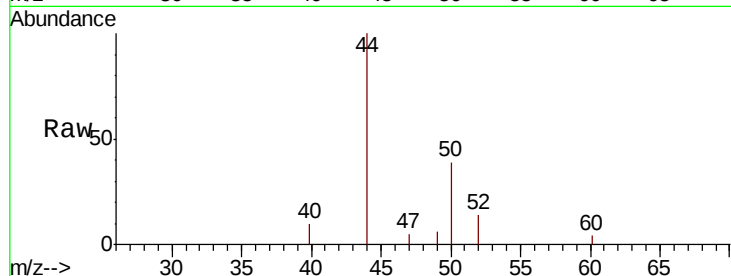
ETYZ0

Tot Ion: 50 Resp: 1544

Ion Ratio Lower Upper

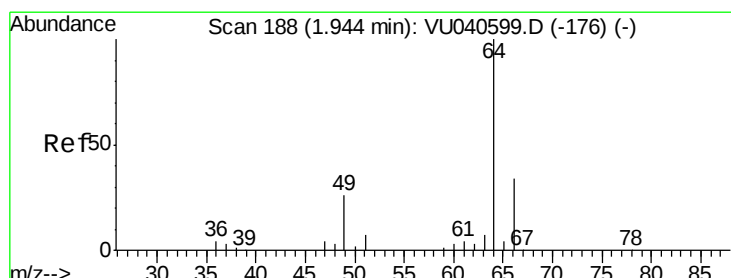
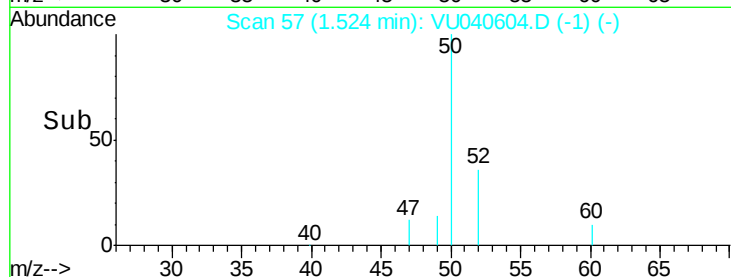
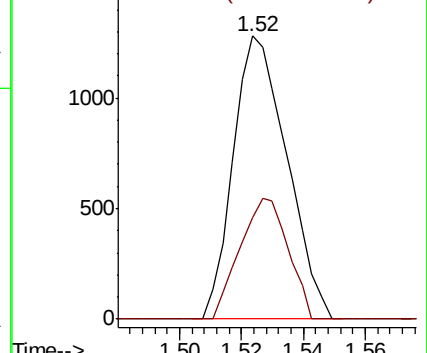
50 100

52 36.0 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040604.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040604.D (-1) (-)



#8

Chloroethane

Concen: 0.120 ug/L

RT: 1.79 min Scan# 140

Delta R.T. -0.15 min

Lab File: VU040604.D

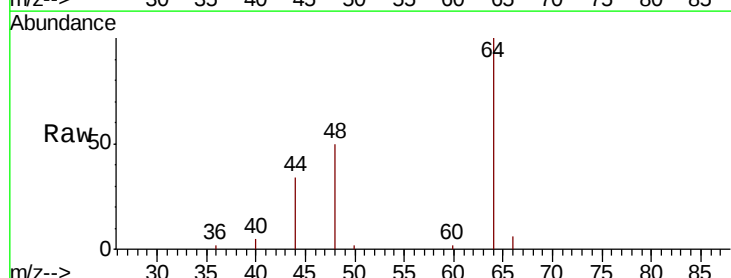
Acq: 09 Oct 2020 23:47

Tgt Ion: 64 Resp: 898

Ion Ratio Lower Upper

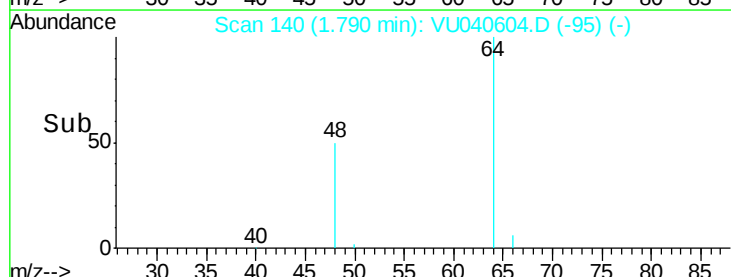
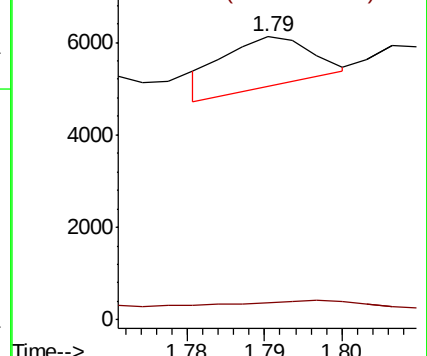
64 100

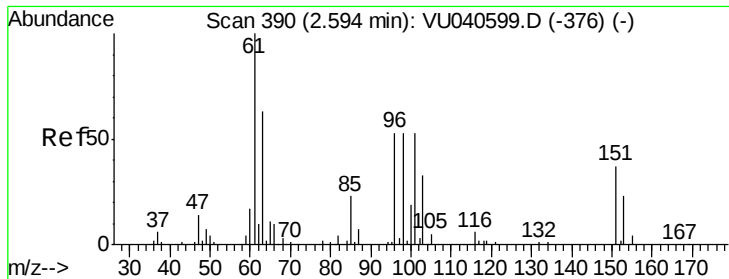
66 6.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040604.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040604.D (-95) (-)





#10

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

Concen: 0.053 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

Instrument :

MSVOA_U

ClientSampled :

ETY20

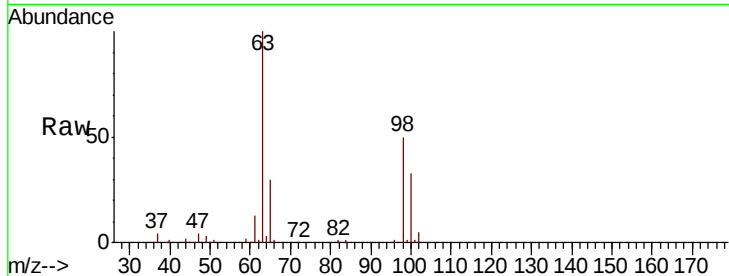
Tot Ion:101 Resp: 585

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

2.57

400

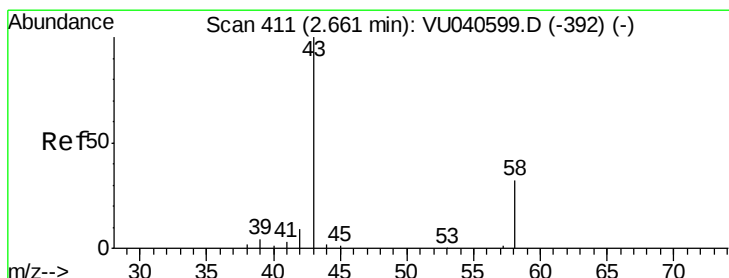
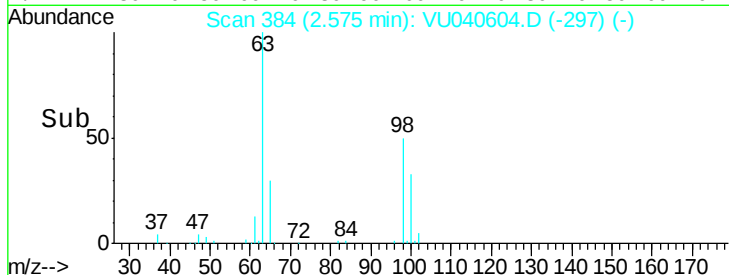
300

200

100

0

Time--> 2.54 2.56 2.58 2.60 2.62



#13

Acetone

Concen: 1.266 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.02 min

Lab File: VU040604.D

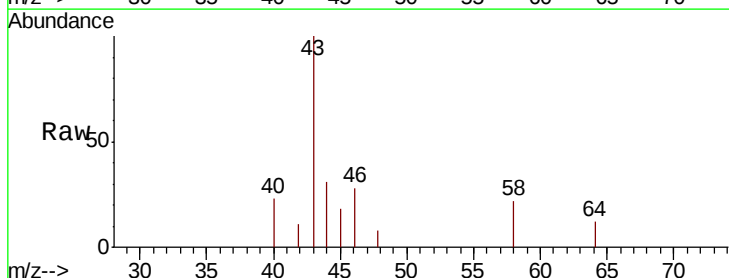
Acq: 09 Oct 2020 23:47

Tgt Ion: 43 Resp: 3429

Ion Ratio Lower Upper

43 100

58 9.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

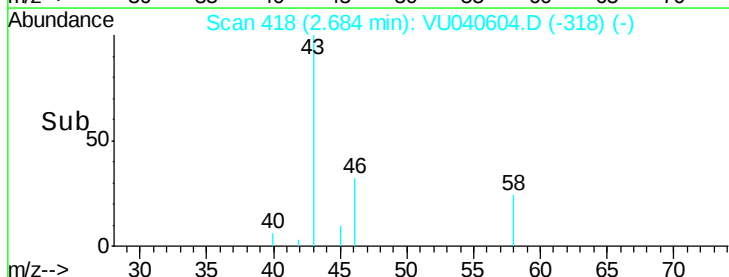
1500

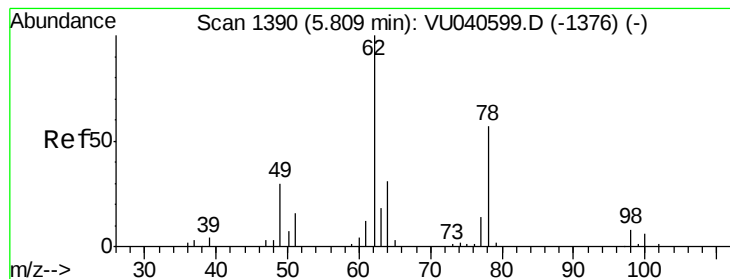
1000

500

0

Time--> 2.60 2.65 2.70





#27

1,2-Dichloroethane

Concen: 0.039 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

Instrument :

MSVOA_U

ClientSampled :

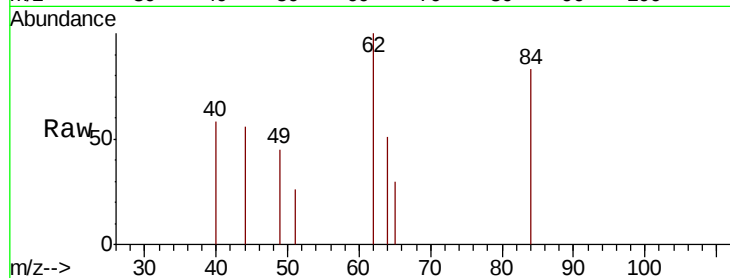
ETY20

Tot Ion: 62 Resp: 574

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040604.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040604.D (-1297) (-)

5.81

400

300

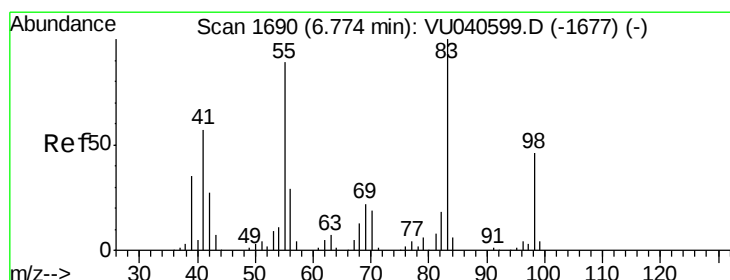
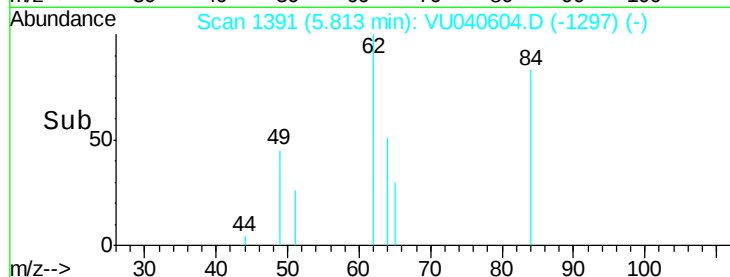
200

100

0

5.80 5.82 5.84

Time-->



#35

Methylcyclohexane

Concen: 0.860 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

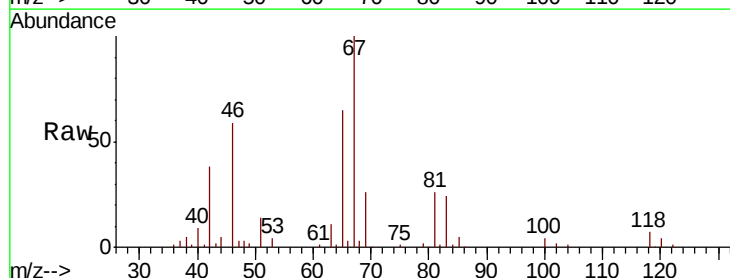
Tgt Ion: 83 Resp: 13671

Ion Ratio Lower Upper

83 100

55 0.4 70.7 106.1#

98 0.3 38.4 57.6#



Abundance Ion 83.15 (82.85 to 83.85): VU040604.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040604.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040604.D (-1597) (-)

6.70

8000

6000

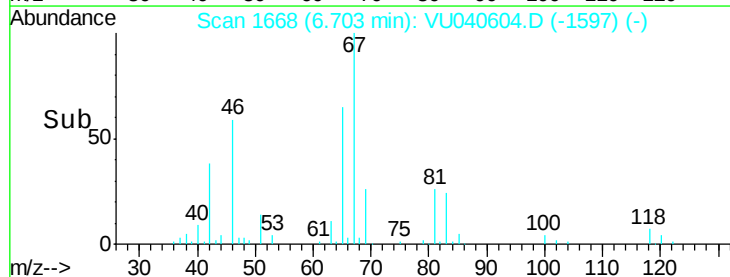
4000

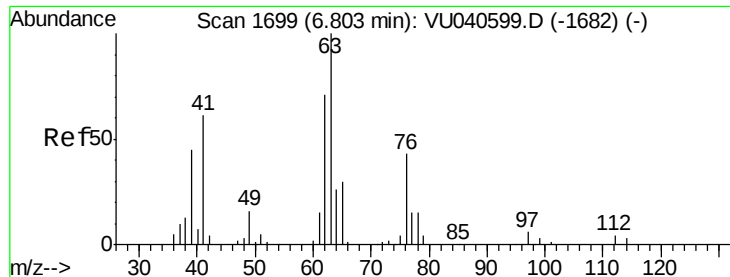
2000

0

6.65 6.70 6.75

Time-->

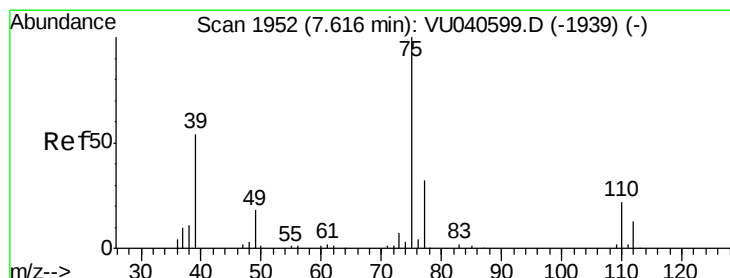
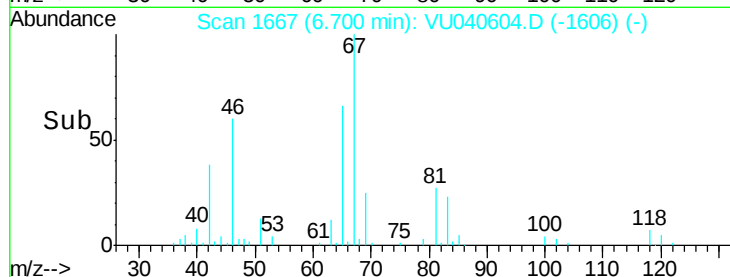
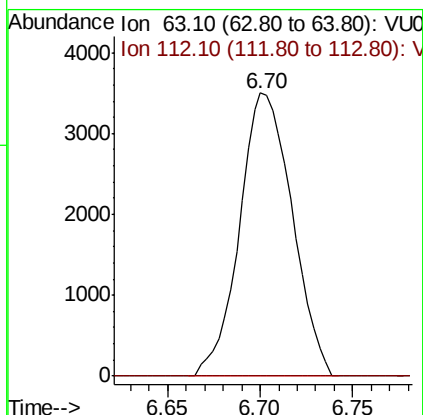
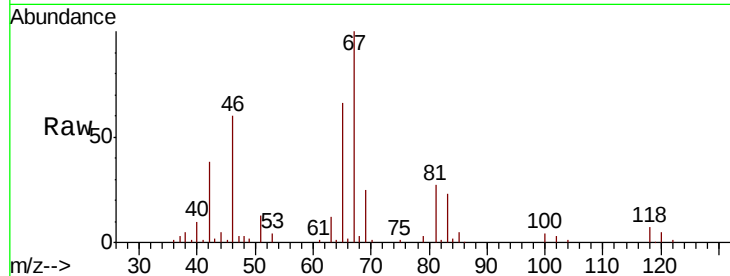




#37
 1,2-Dichloropropane
 Concen: 0.573 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040604.D
 Acq: 09 Oct 2020 23:47

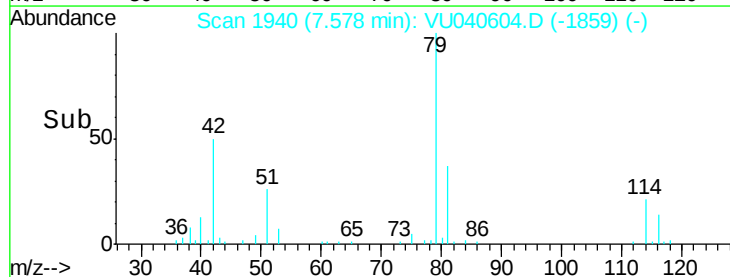
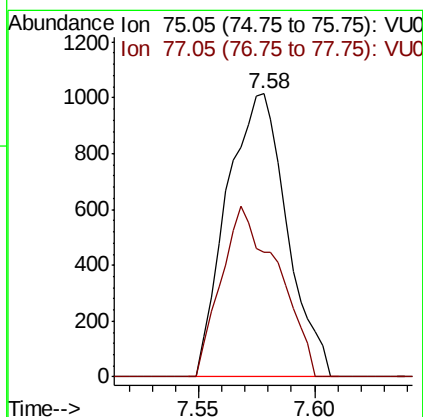
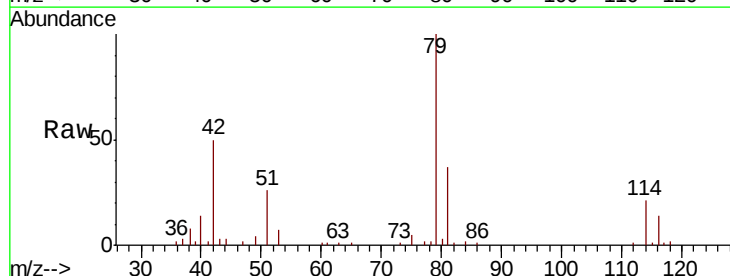
Instrument :
 MSVOA_U
 ClientSampleId :
 ETYZ0

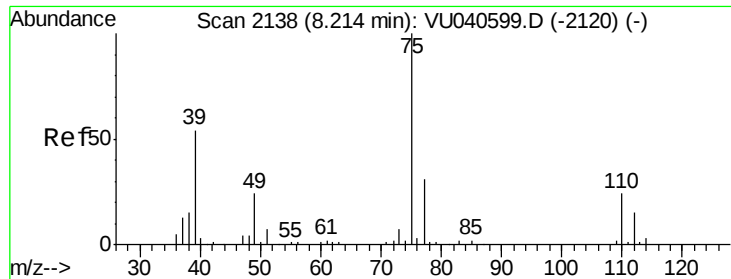
Tot Ion: 63 Resp: 6902
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040604.D
 Acq: 09 Oct 2020 23:47

Tgt Ion: 75 Resp: 1832
 Ion Ratio Lower Upper
 75 100
 77 43.9 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

Instrument :

MSVOA_U

ClientSampleId :

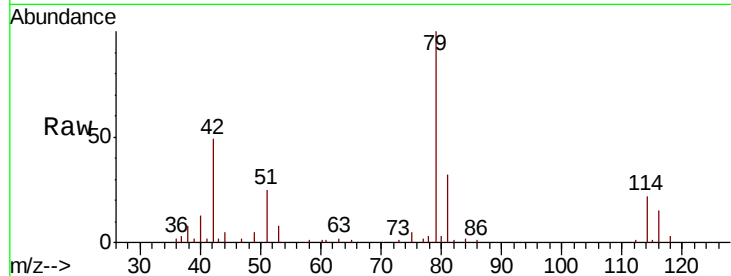
ETYZ0

Tot Ion: 75 Resp: 1052

Ion Ratio Lower Upper

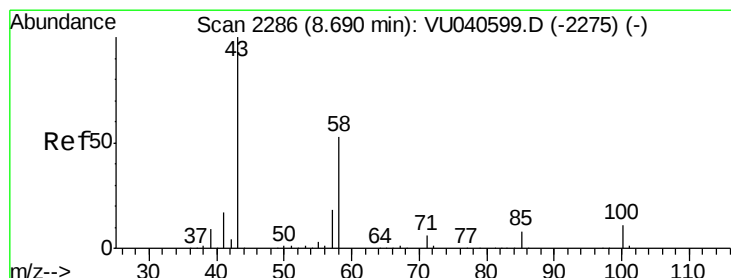
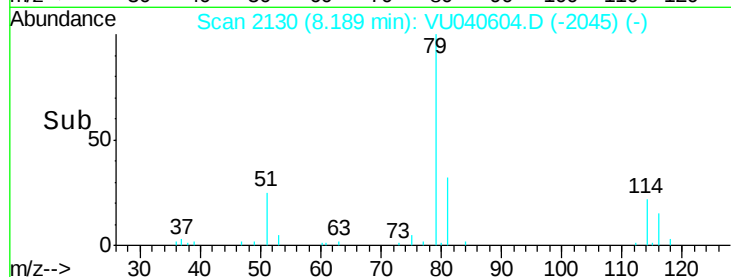
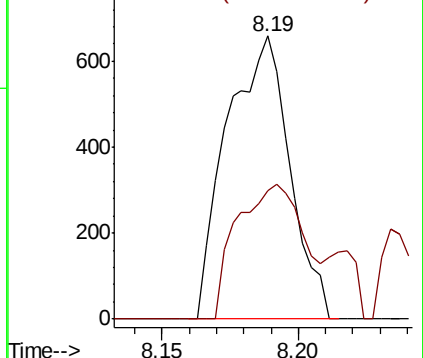
75 100

77 45.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 3.052 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

Tgt Ion: 43 Resp: 21829

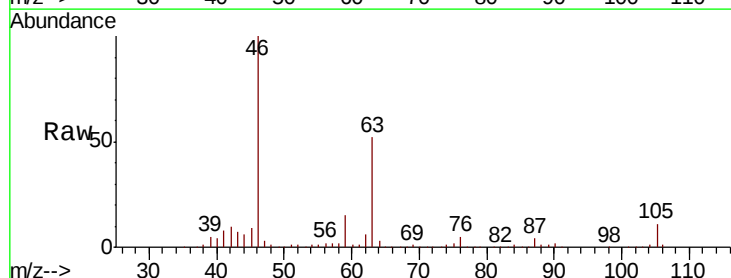
Ion Ratio Lower Upper

43 100

58 26.5 41.0 61.6#

57 25.6 14.4 21.6#

100 0.2 8.6 13.0#

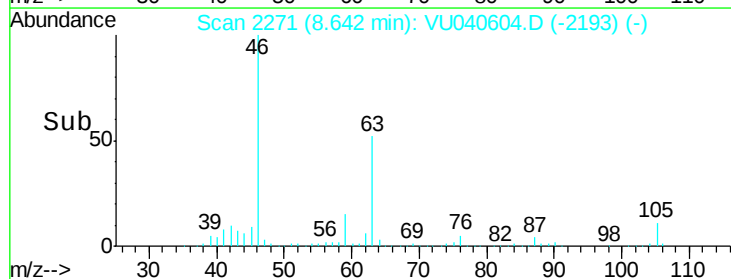
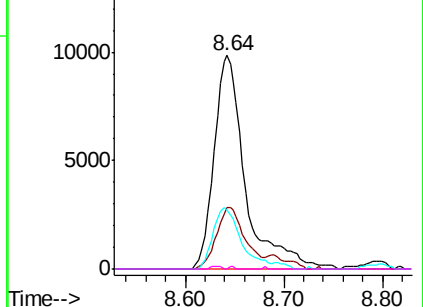


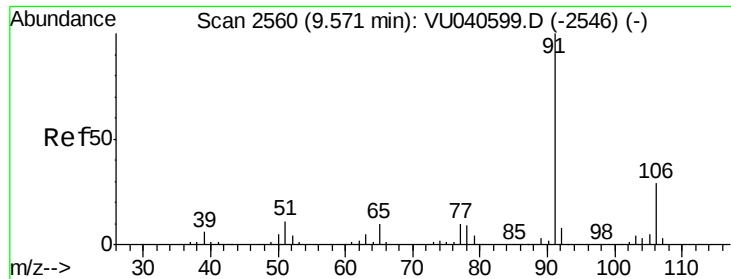
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#52

Ethylbenzene

Concen: 0.092 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040604.D

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MSVOA_U

ClientSampleID :

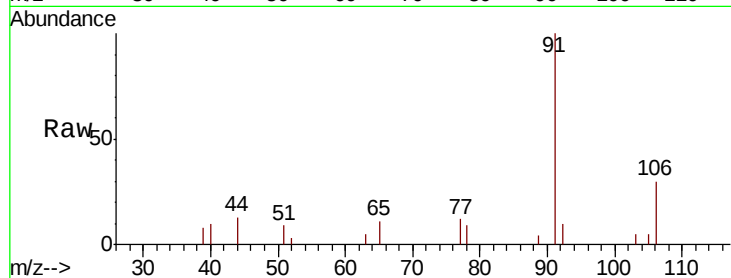
ETY20

Tot Ion: 91 Resp: 4406

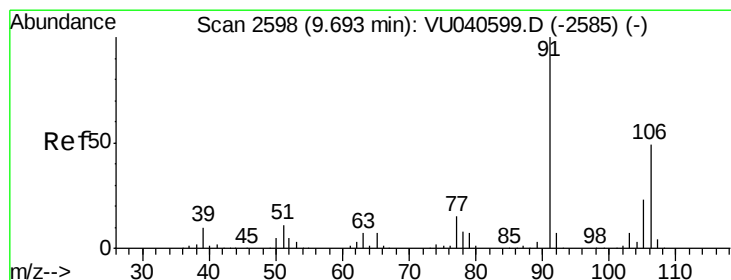
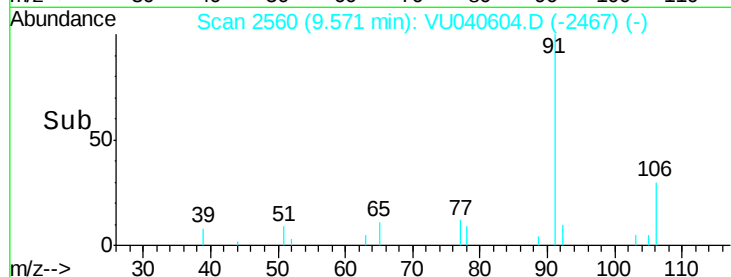
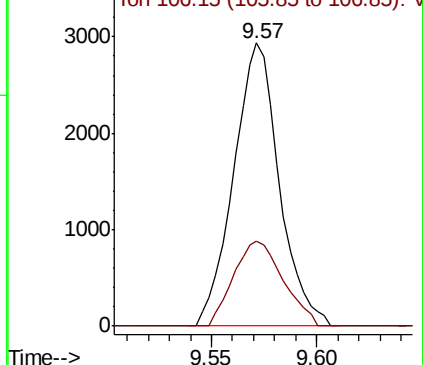
Ion Ratio Lower Upper

91 100

106 30.0 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.343 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040604.D

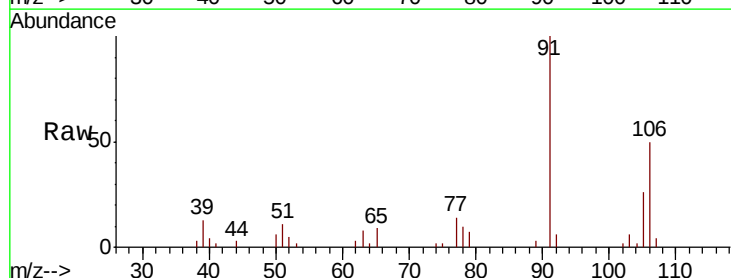
Acq: 09 Oct 2020 23:47

Tgt Ion: 106 Resp: 5971

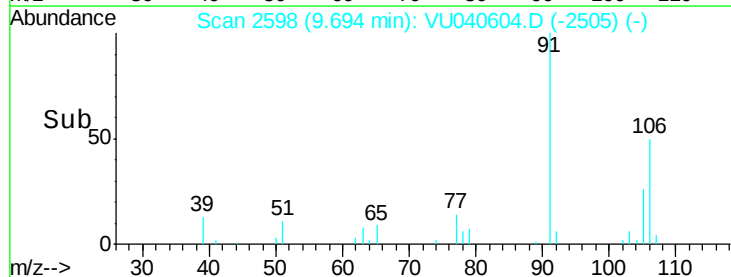
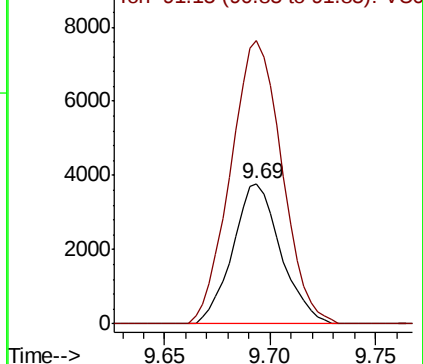
Ion Ratio Lower Upper

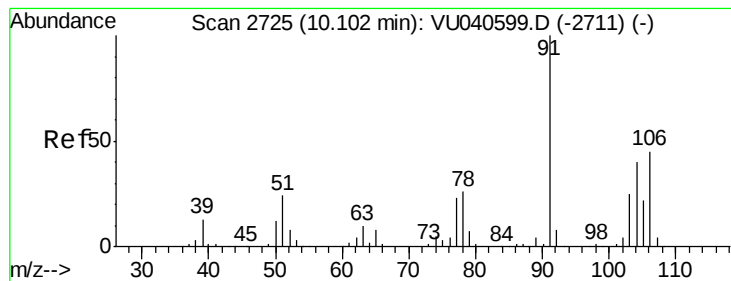
106 100

91 201.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040599.D (-2585) (-)





#54

o-Xylene

Concen: 0.097 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040604.D

Acq: 09 Oct 2020 23:47

Instrument :

MSVOA_U

ClientSampleId :

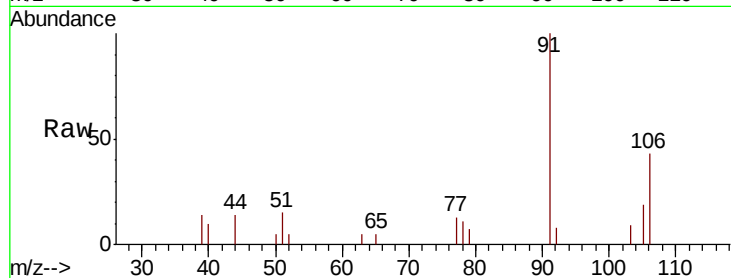
ETY20

Tot Ion:106 Resp: 1615

Ion Ratio Lower Upper

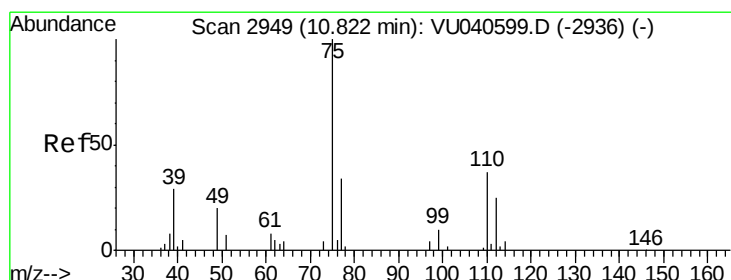
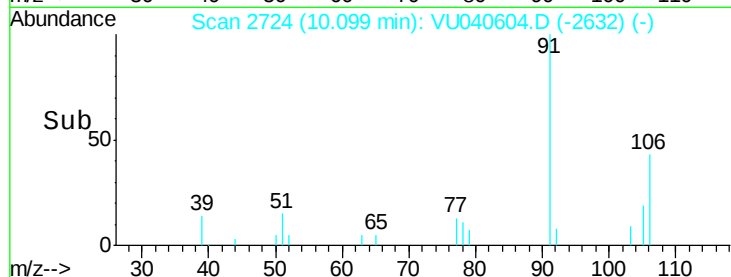
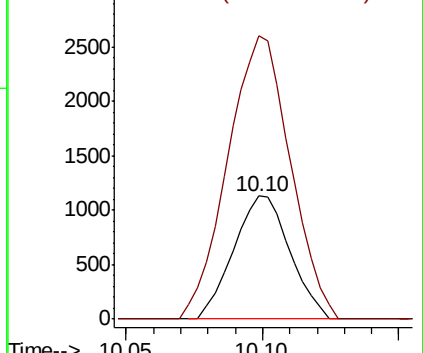
106 100

91 230.0 160.2 297.4



Abundance Ion 106.15 (105.85 to 106.85): VU040599.D (-2711) (-)

Ion 91.15 (90.85 to 91.85): VU040599.D (-2711) (-)



#59

1,2,3-Trichloropropane

Concen: 0.875 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040604.D

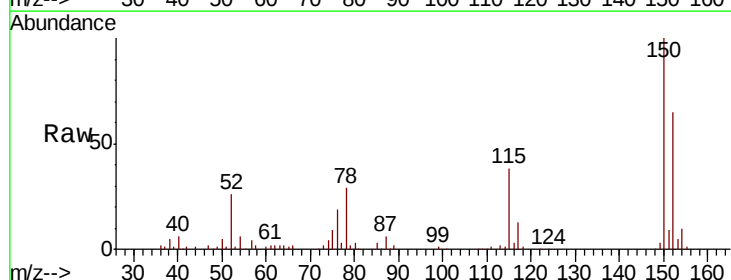
Acq: 09 Oct 2020 23:47

Tgt Ion: 75 Resp: 7744

Ion Ratio Lower Upper

75 100

77 36.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040599.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040599.D (-2936) (-)

