

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040682.D
 Acq On : 13 Oct 2020 15:03
 Operator : SY/MD
 Sample : L4354-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ04

Quant Time: Oct 14 06:05:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125882	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40761	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.92	69	36761	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	66577	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.66	46	172802	53.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.50%
24) Chloroform-d	5.08	84	90525	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	55362	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	158283	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	56337	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	122146	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.19	79	21648	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	120234	48.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50489	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51773	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

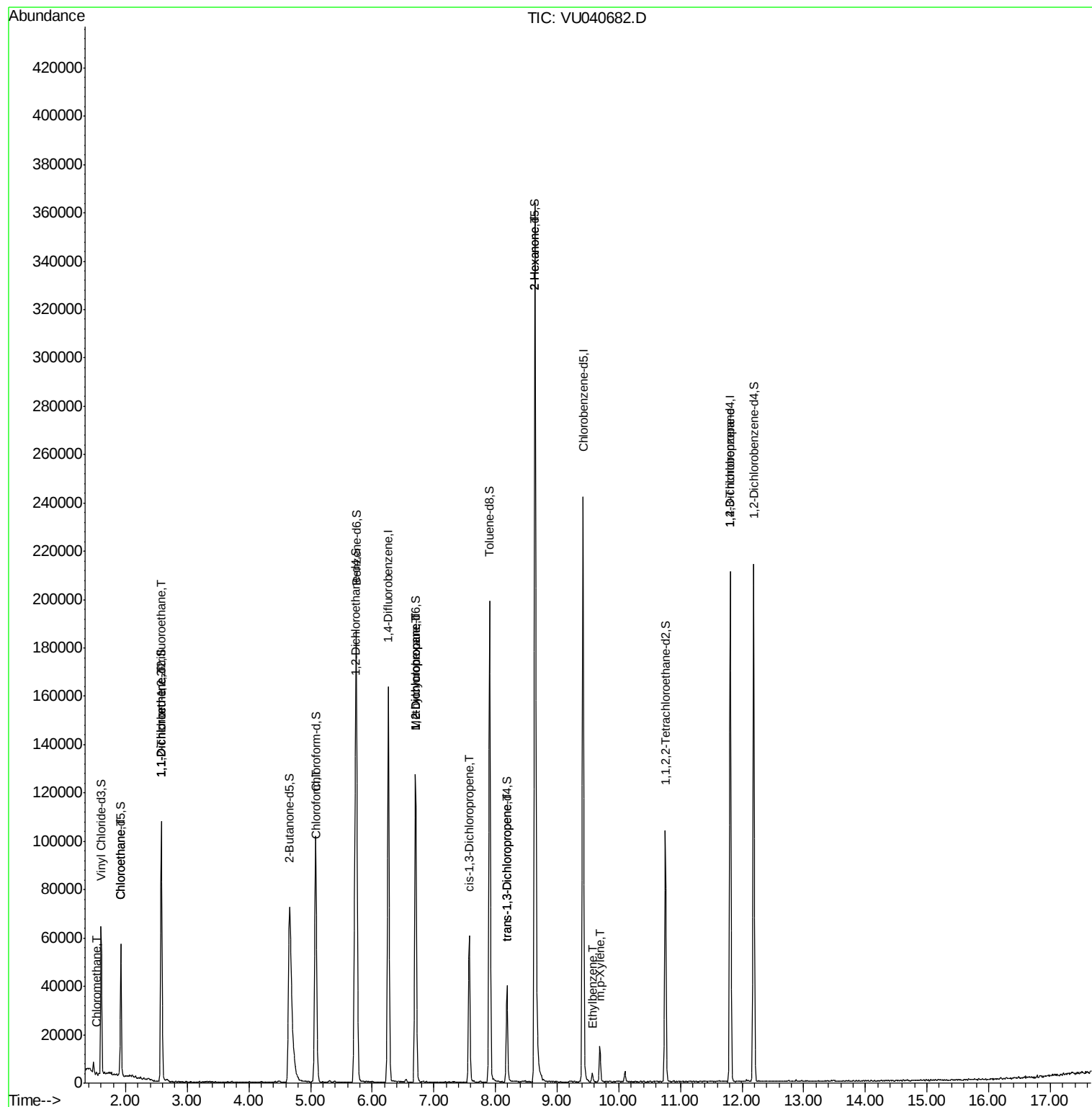
					Ovalue
3) Chloromethane	1.53	50	454	0.044	ug/L 100
8) Chloroethane	1.93	64	396	0.057	ug/L # 41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	560	0.056	ug/L # 20
12) 1,1-Dichloroethene	2.58	96	461	0.053	ug/L # 1
25) Chloroform	5.10	83	2660	0.139	ug/L 99
35) Methylcyclohexane	6.71	83	13495	0.908	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	6441	0.572	ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1712	0.111	ug/L # 72
44) trans-1,3-Dichloropropene	8.19	75	1139	0.080	ug/L # 51
48) 2-Hexanone	8.64	43	18943	2.832	ug/L # 72
52) Ethylbenzene	9.57	91	2778	0.062	ug/L 91
53) m,p-Xylene	9.69	106	3956	0.243	ug/L 92
59) 1,2,3-Trichloropropane	11.81	75	6722	0.812	ug/L 89

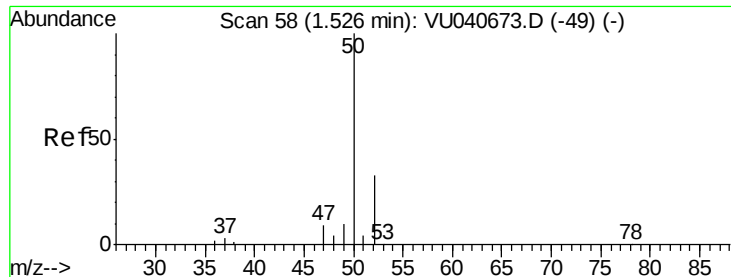
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 14 05:57:05 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.044 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

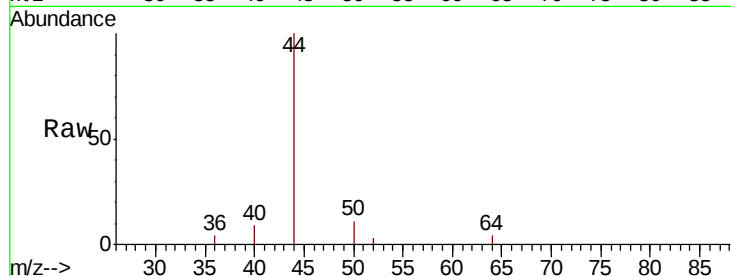
ETZ04

Tot Ion: 50 Resp: 454

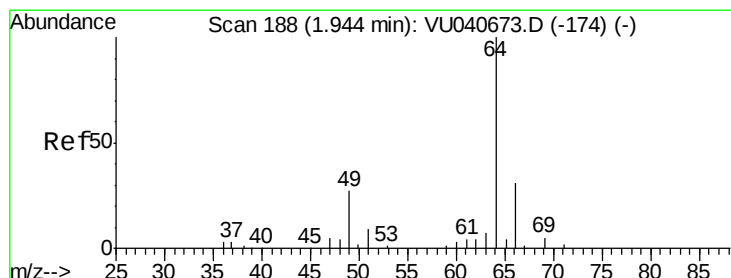
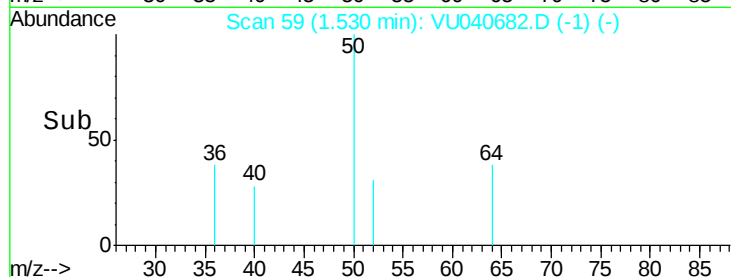
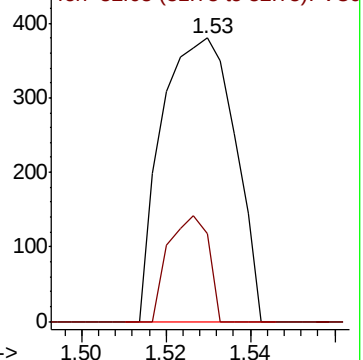
Ion Ratio Lower Upper

50 100

52 31.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040673.D (-49) (-)



#8

Chloroethane

Concen: 0.057 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.02 min

Lab File: VU040682.D

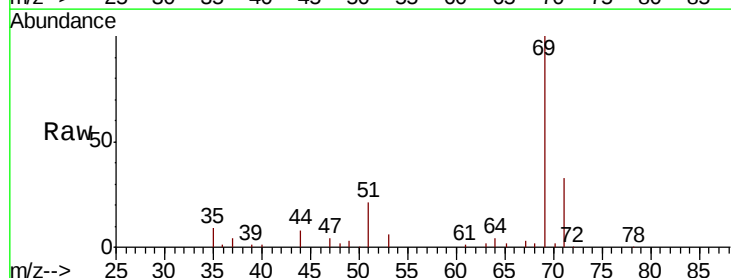
Acq: 13 Oct 2020 15:03

Tgt Ion: 64 Resp: 396

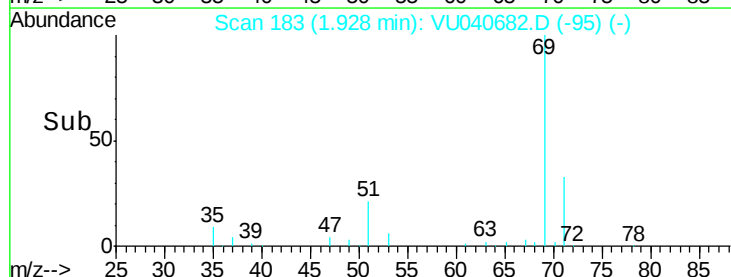
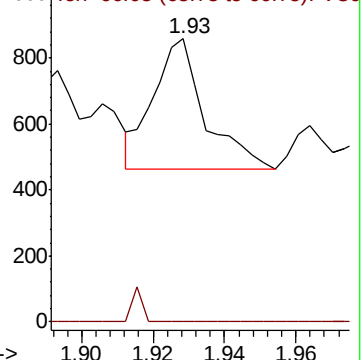
Ion Ratio Lower Upper

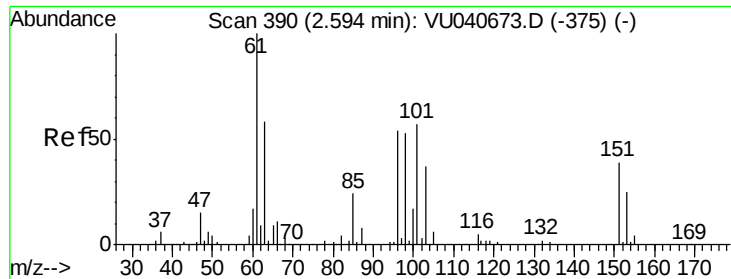
64 100

66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040673.D (-174) (-)





#10

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

Concen: 0.056 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

ETZ04

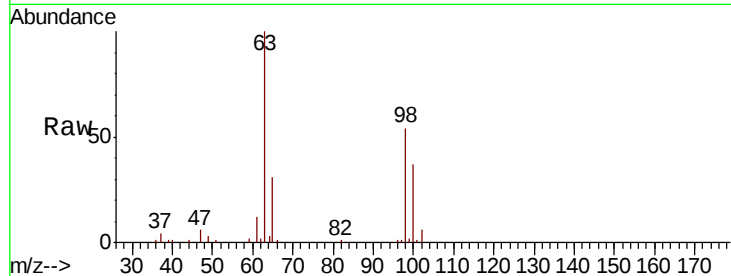
Tot Ion:101 Resp: 560

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

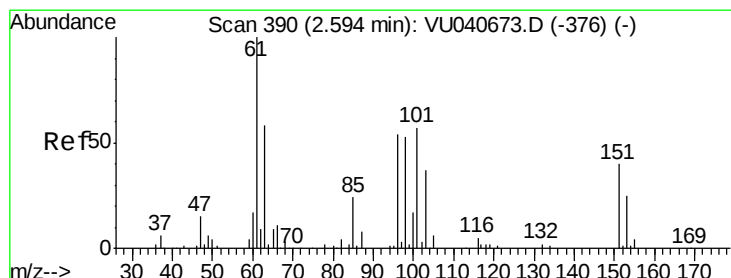
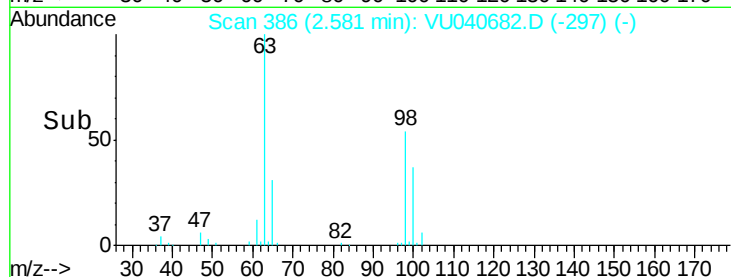
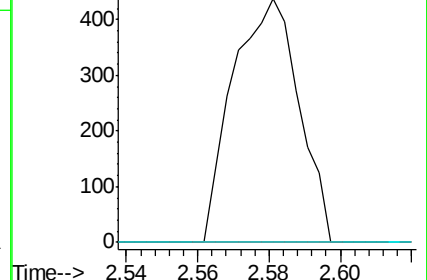
151 0.0 58.0 87.0#



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: 0.053 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

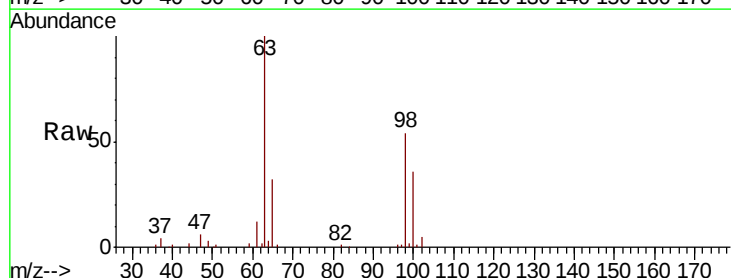
Tgt Ion: 96 Resp: 461

Ion Ratio Lower Upper

96 100

61 1289.5 128.8 239.2#

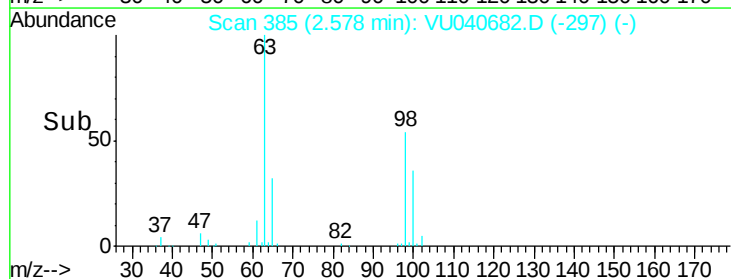
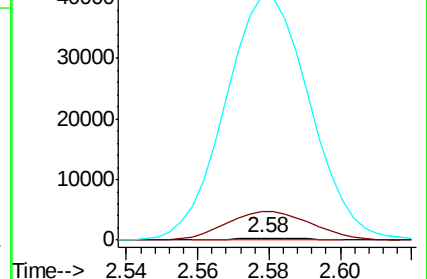
63 10815.1 84.6 157.2#

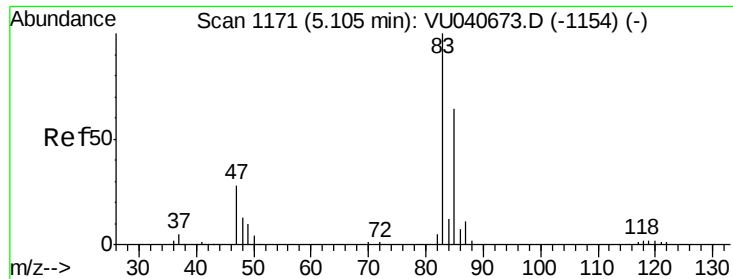


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

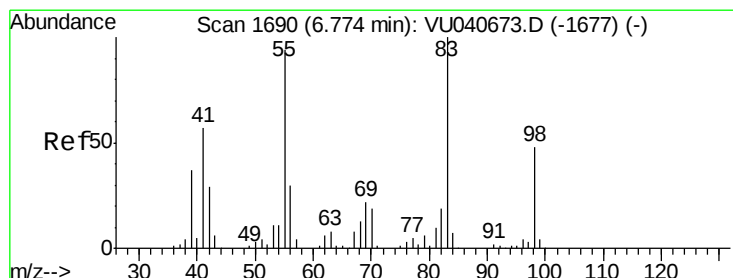
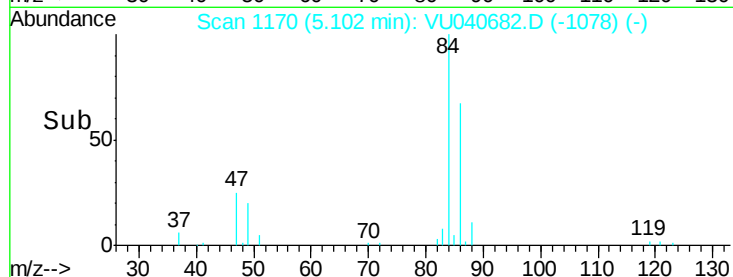
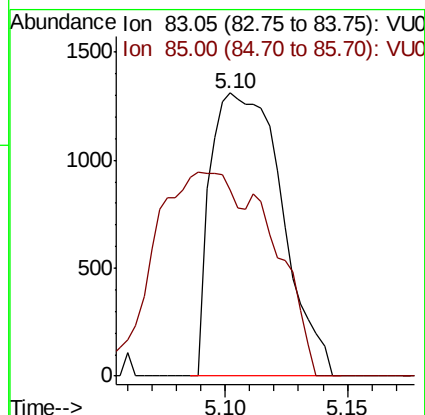
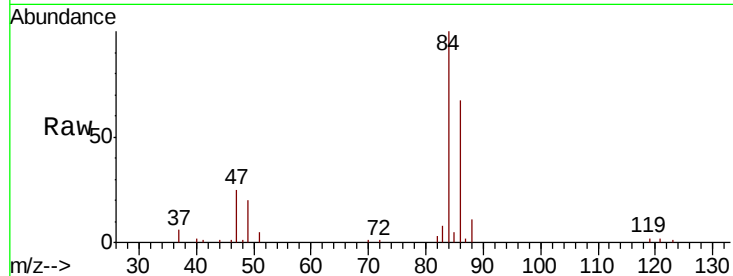




#25
Chloroform
Concen: 0.139 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040682.D
Acq: 13 Oct 2020 15:03

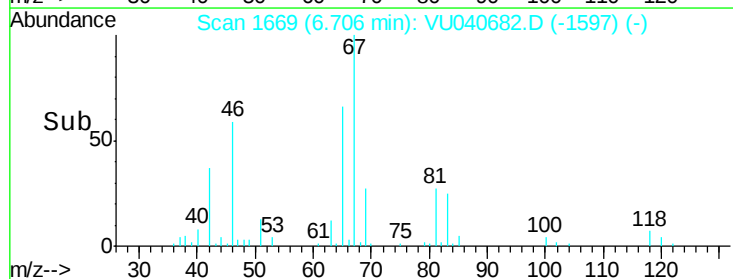
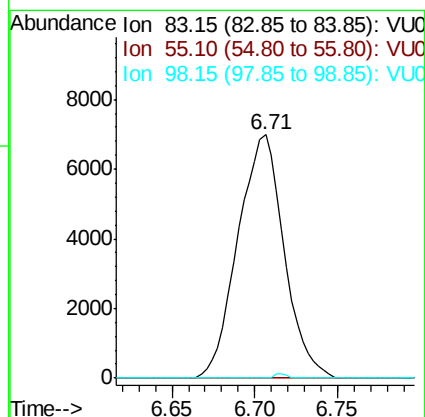
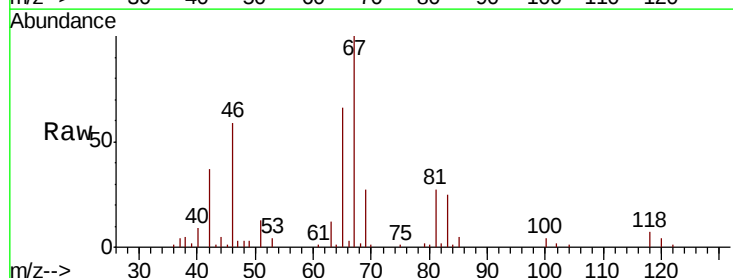
Instrument :
MSVOA_U
ClientSampled :
ETZ04

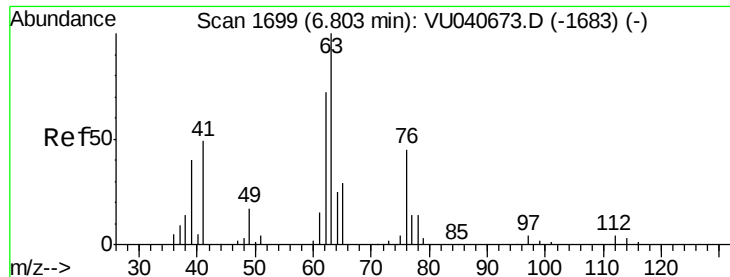
Tot Ion: 83 Resp: 2660
Ion Ratio Lower Upper
83 100
85 65.8 46.5 86.5



#35
Methylcyclohexane
Concen: 0.908 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040682.D
Acq: 13 Oct 2020 15:03

Tgt Ion: 83 Resp: 13495
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.5 38.4 57.6#

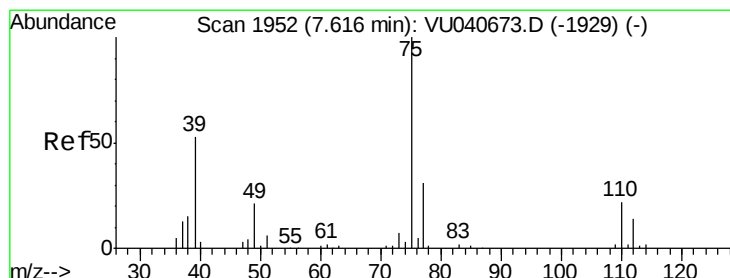
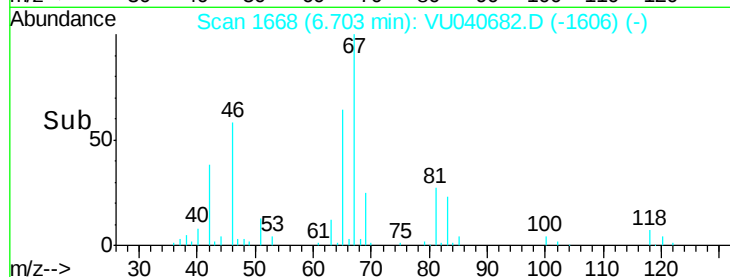
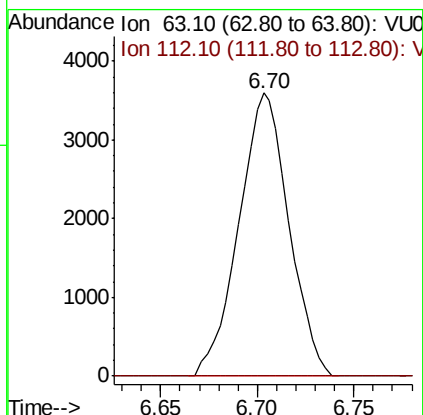
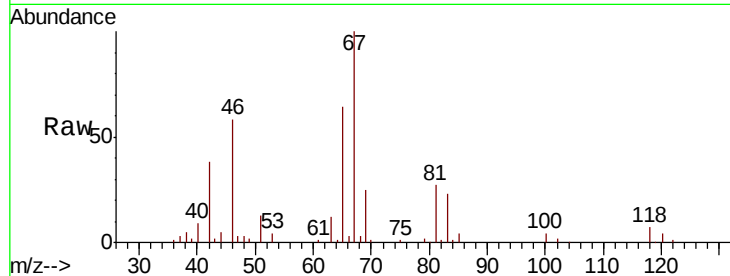




#37
 1,2-Dichloropropane
 Concen: 0.572 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040682.D
 Acq: 13 Oct 2020 15:03

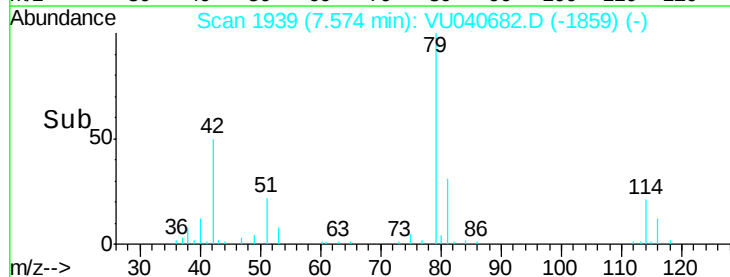
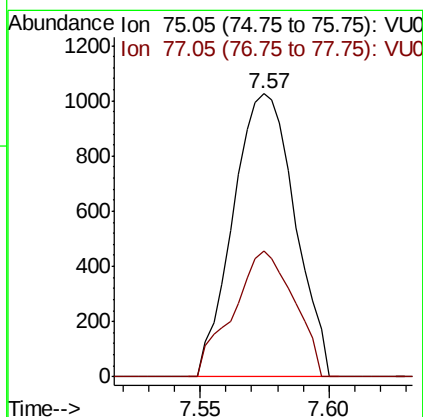
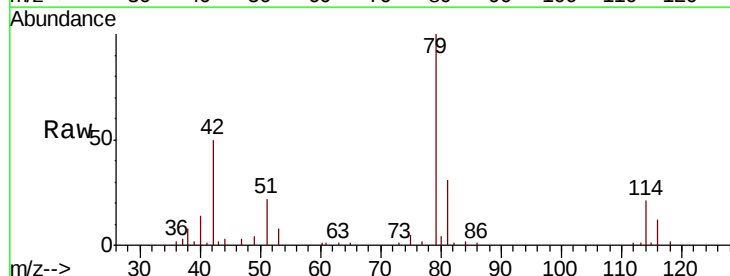
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ04

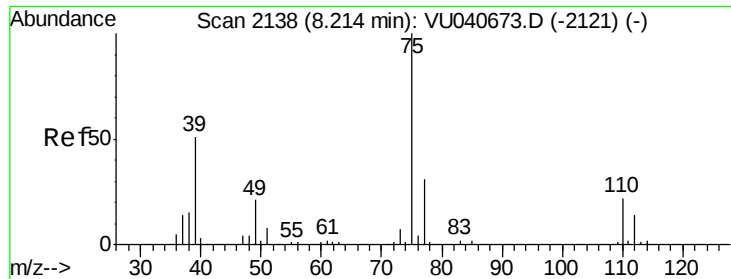
Tot Ion: 63 Resp: 6441
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040682.D
 Acq: 13 Oct 2020 15:03

Tgt Ion: 75 Resp: 1712
 Ion Ratio Lower Upper
 75 100
 77 44.3 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

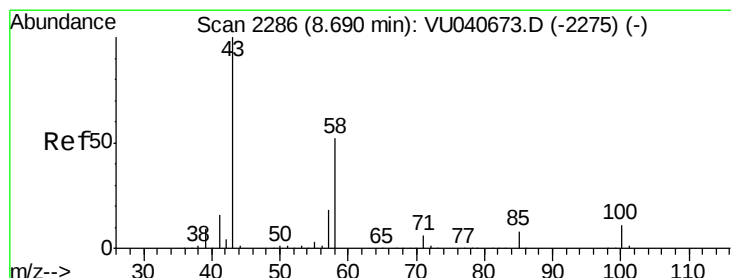
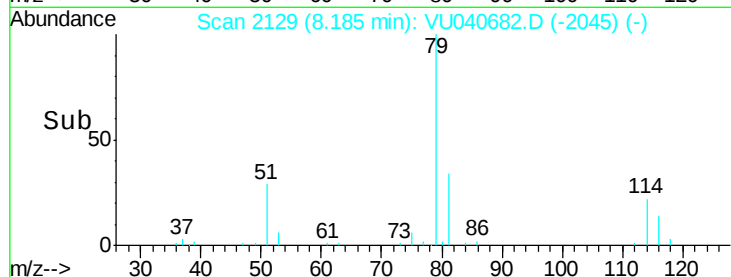
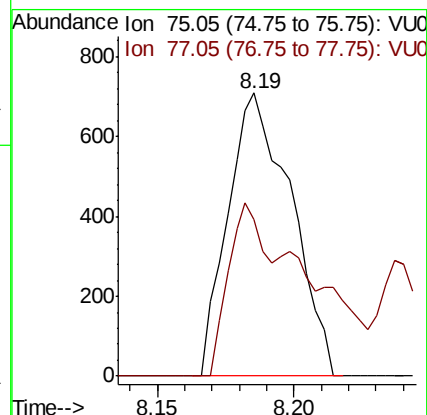
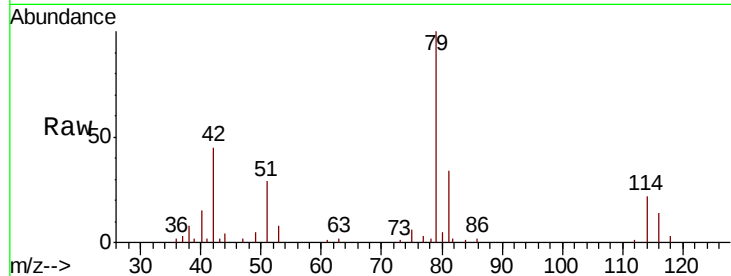
ETZ04

Tot Ion: 75 Resp: 1139

Ion Ratio Lower Upper

75 100

77 55.4 20.4 38.0#



#48

2-Hexanone

Concen: 2.832 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

Tgt Ion: 43 Resp: 18943

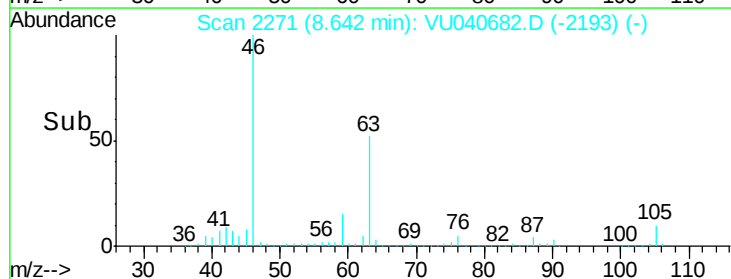
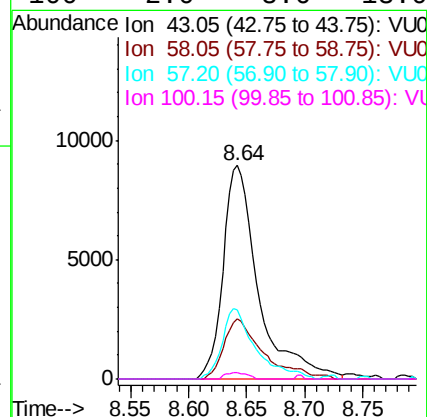
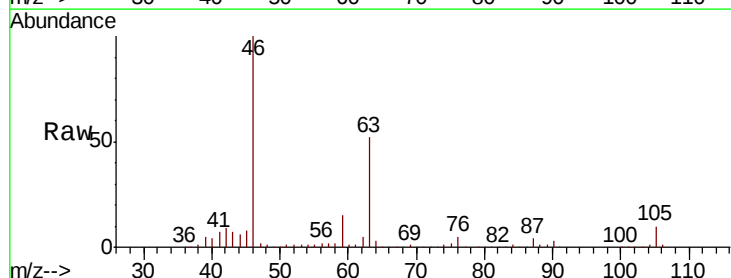
Ion Ratio Lower Upper

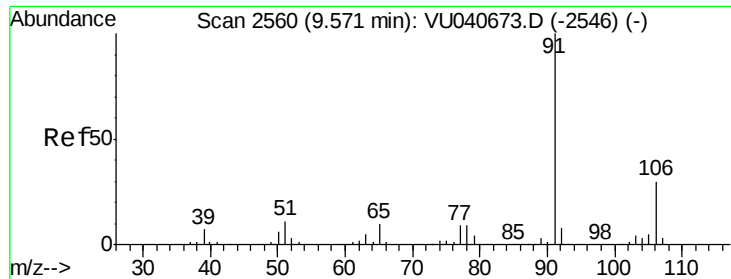
43 100

58 31.2 41.0 61.6#

57 31.2 14.4 21.6#

100 2.0 8.6 13.0#





#52

Ethylbenzene

Concen: 0.062 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

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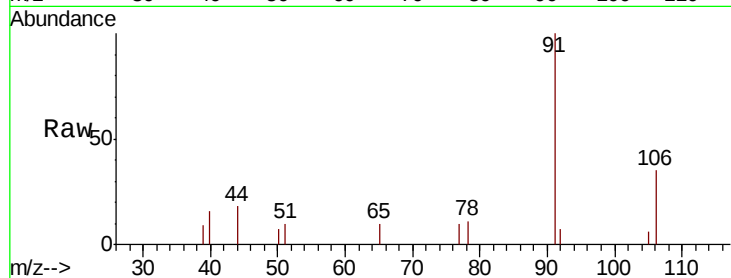
ETZ04

Tot Ion: 91 Resp: 2778

Ion Ratio Lower Upper

91 100

106 34.7 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040673.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040673.D (-2546) (-)

2000

1500

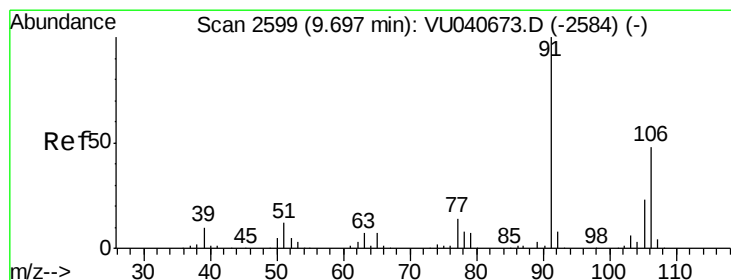
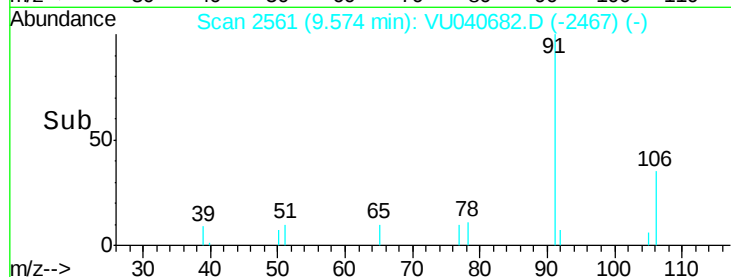
1000

500

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 0.243 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040682.D

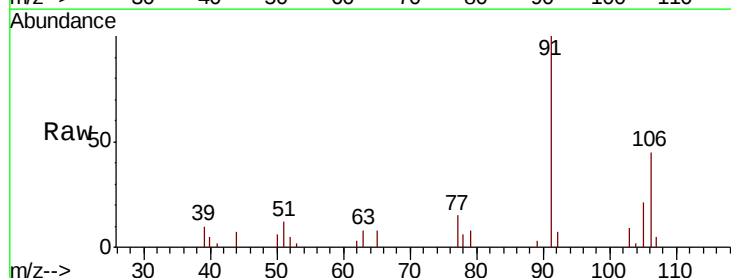
Acq: 13 Oct 2020 15:03

Tgt Ion: 106 Resp: 3956

Ion Ratio Lower Upper

106 100

91 224.5 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040673.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040673.D (-2584) (-)

6000

5000

4000

3000

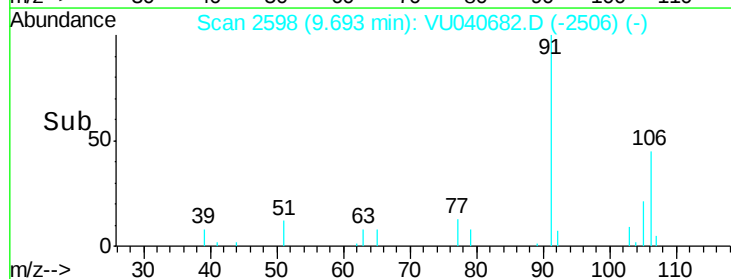
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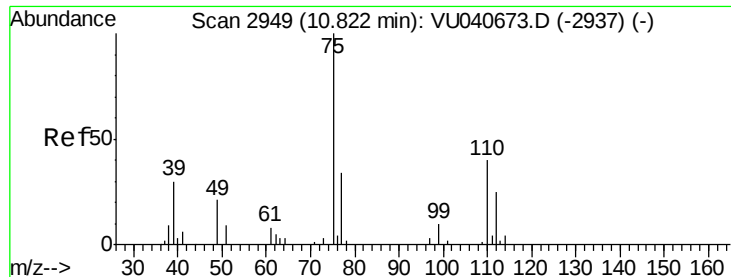
1000

0

9.65 9.70 9.75

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.812 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040682.D

Acq: 13 Oct 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

ETZ04

Tot Ion: 75 Resp: 6722

Ion Ratio Lower Upper

75 100

77 39.0 26.4 39.6

