

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040894.D
 Acq On : 21 Oct 2020 23:41
 Operator : SY/MD
 Sample : L4447-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ58

Quant Time: Oct 22 00:54:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	212044	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	219727	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	92245	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	67916	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.92	69	61431	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	103932	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.65	46	333407	64.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.20%
24) Chloroform-d	5.08	84	153325	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	99803	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.74	84	269785	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	97518	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	210131	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	36819	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	242889	61.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	94579	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	88158	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2977	0.127 ug/L	87
6) Bromomethane	1.87	94	1738	0.159 ug/L	75
8) Chloroethane	1.94	64	519	0.037 ug/L #	66
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	933	0.056 ug/L #	21
13) Acetone	2.66	43	12139	3.346 ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	1504	0.085 ug/L	87
27) 1,2-Dichloroethane	5.81	62	1380	0.061 ug/L #	76
33) Benzene	5.79	78	28348	0.401 ug/L	100
35) Methylcyclohexane	6.71	83	22005	0.818 ug/L #	16
37) 1,2-Dichloropropane	6.70	63	10700	0.561 ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	2477	0.097 ug/L #	58
42) Toluene	7.97	91	35991	0.507 ug/L	91
44) trans-1,3-Dichloropropene	8.18	75	1729	0.075 ug/L #	60
52) Ethylbenzene	9.57	91	8476	0.111 ug/L	100
53) m,p-Xylene	9.69	106	12089	0.440 ug/L	95
54) o-Xylene	10.10	106	4616	0.177 ug/L	75
59) 1,2,3-Trichloropropane	11.81	75	13420	1.083 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

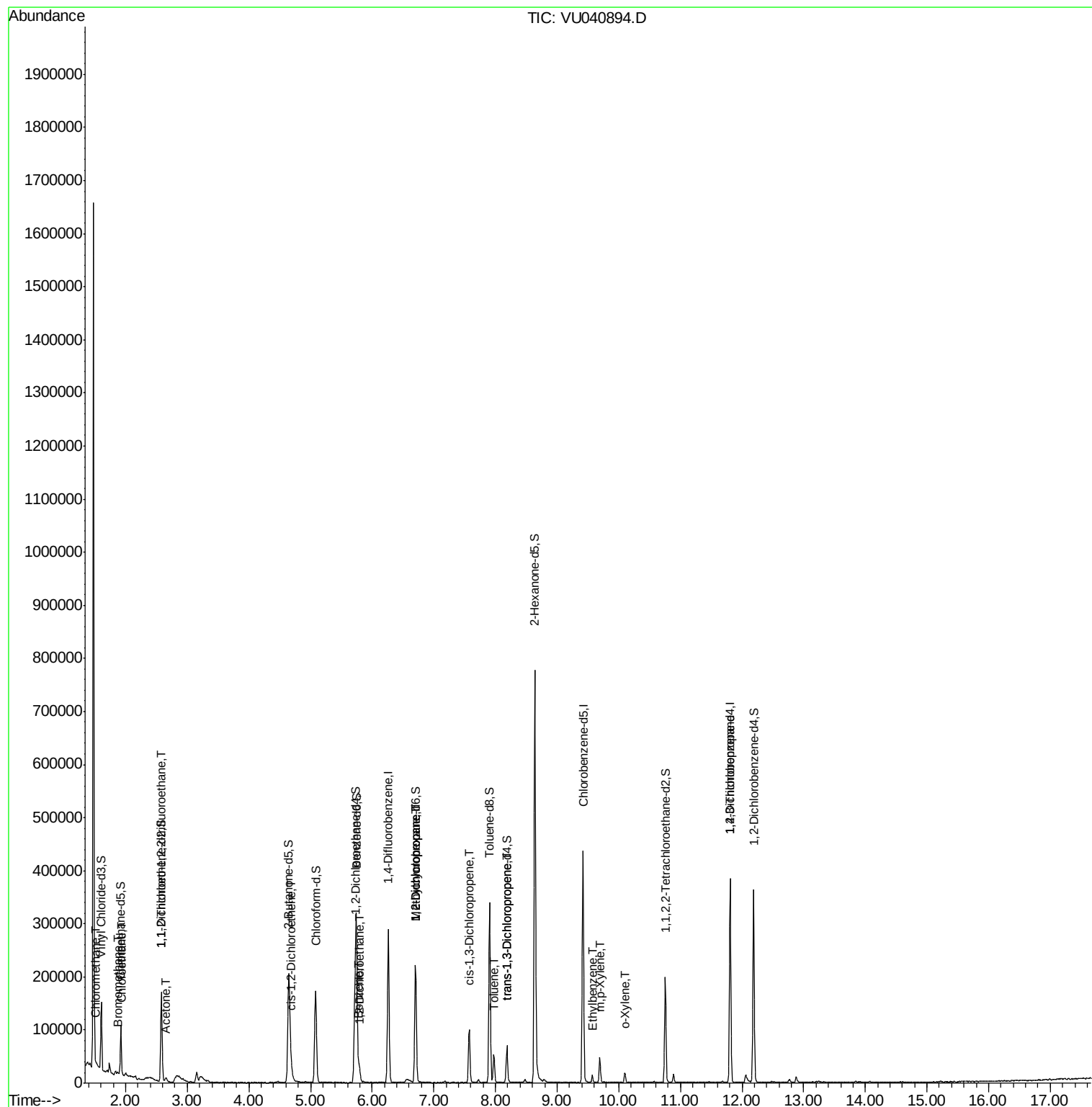
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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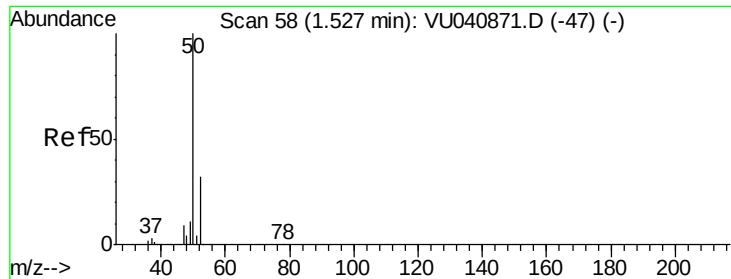
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.127 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

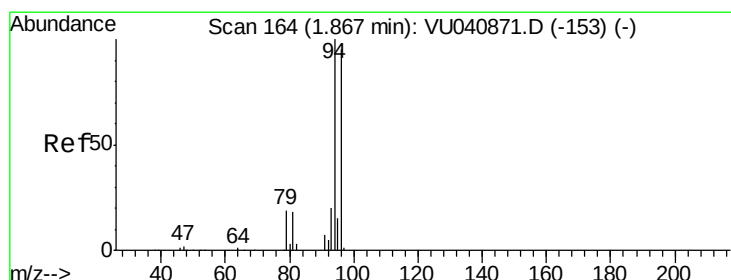
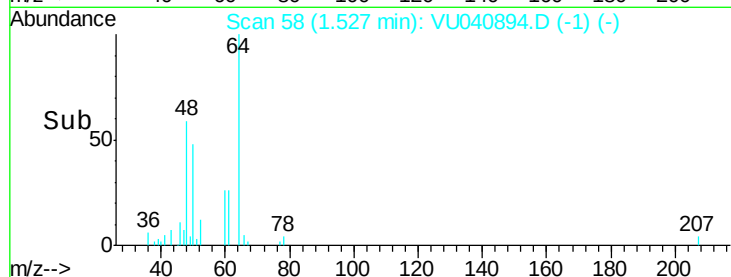
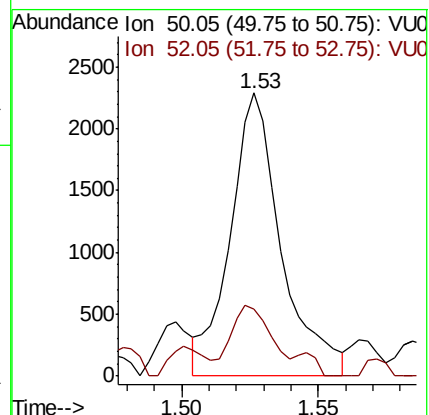
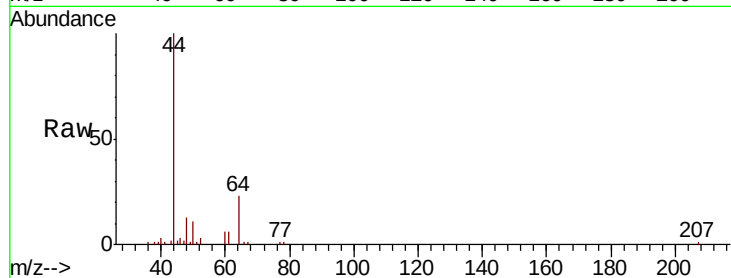
ETZ58

Tot Ion: 50 Resp: 2977

Ion Ratio Lower Upper

50 100

52 23.8 21.8 40.6



#6

Bromomethane

Concen: 0.159 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040894.D

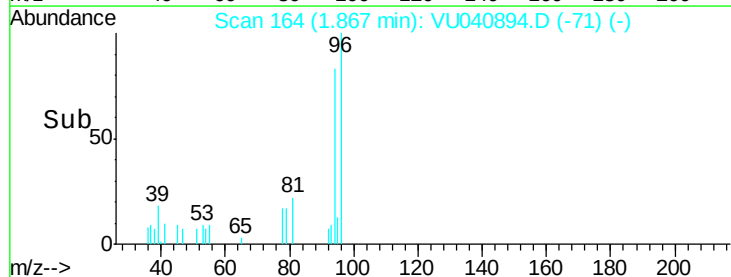
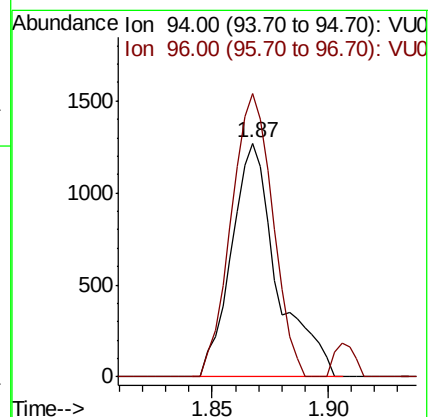
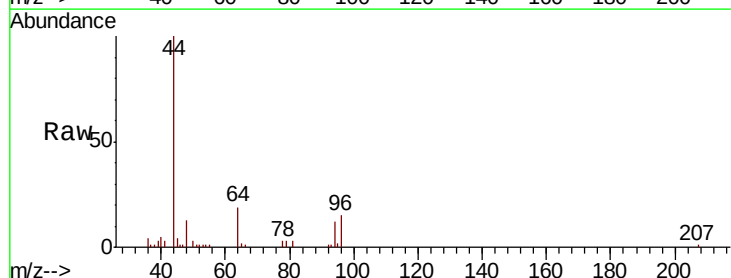
Acq: 21 Oct 2020 23:41

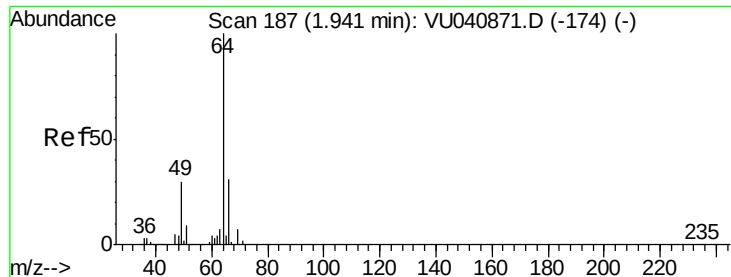
Tgt Ion: 94 Resp: 1738

Ion Ratio Lower Upper

94 100

96 121.2 67.8 125.8





#8

Chloroethane

Concen: 0.037 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

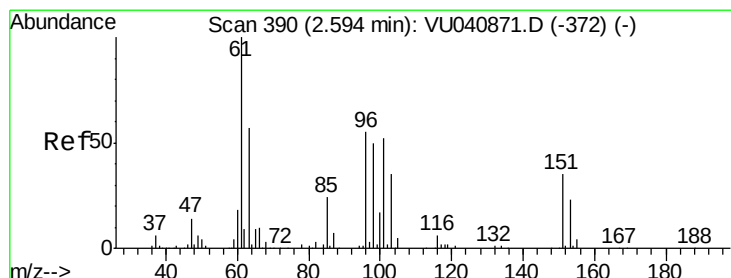
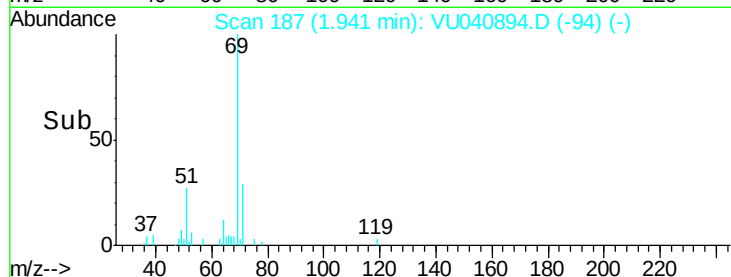
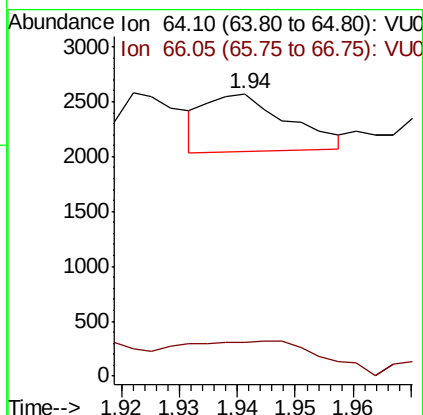
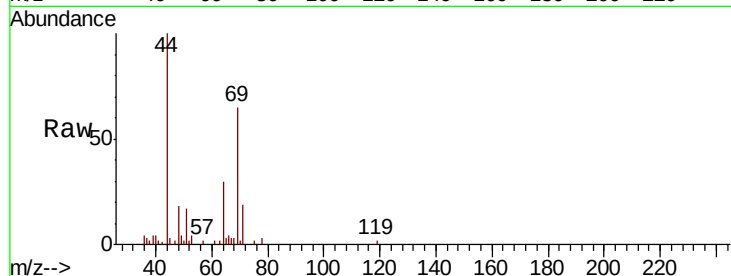
ETZ58

Tot Ion: 64 Resp: 519

Ion Ratio Lower Upper

64 100

66 12.0 21.2 39.4#



#10

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

Concen: 0.056 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

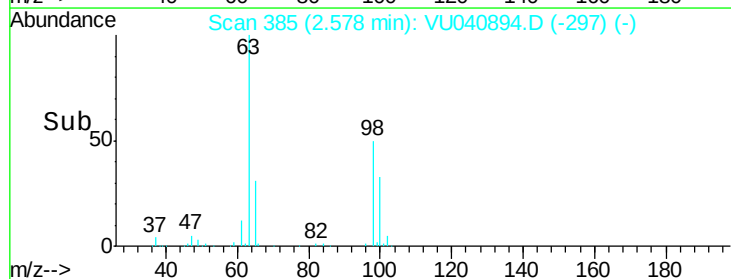
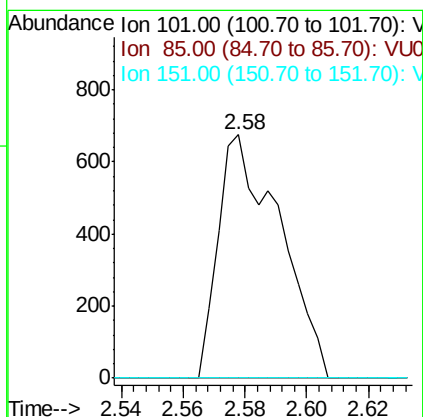
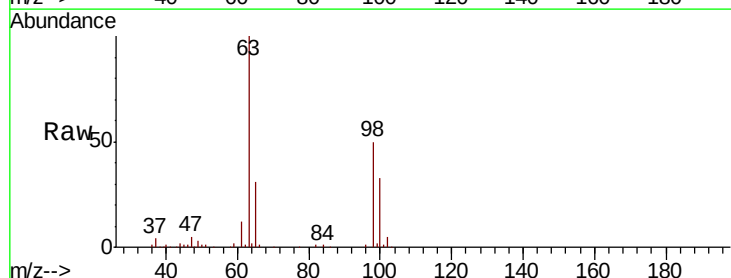
Tgt Ion: 101 Resp: 933

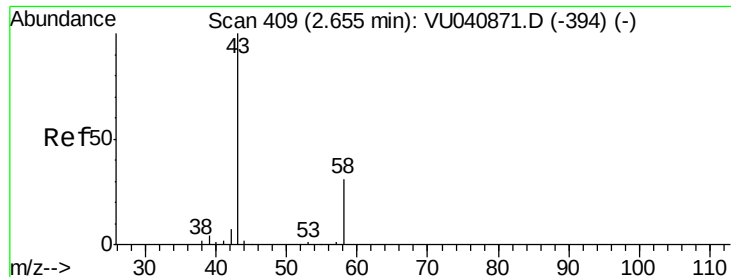
Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

151 0.0 56.3 84.5#





#13

Acetone

Concen: 3.346 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

Instrument :

MSVOA_U

ClientSampled :

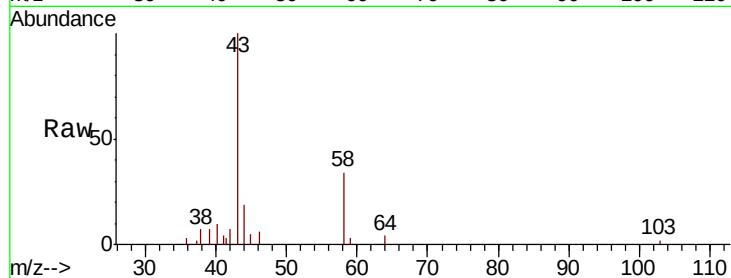
ETZ58

Tot Ion: 43 Resp: 12139

Ion Ratio Lower Upper

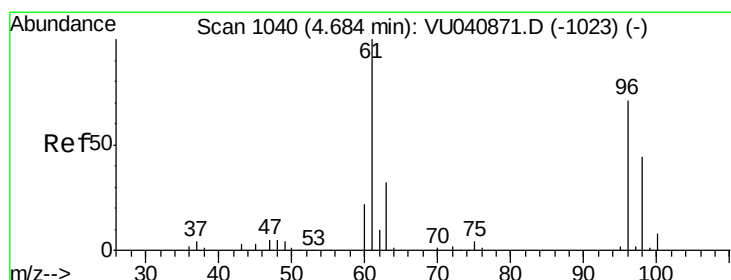
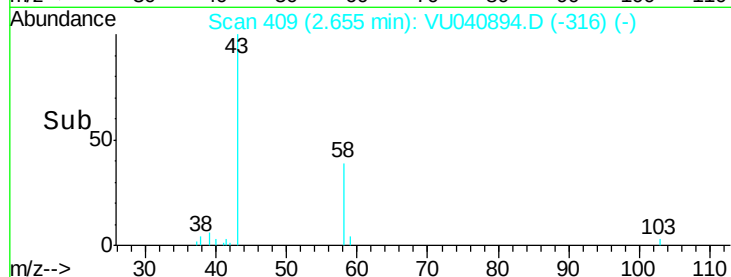
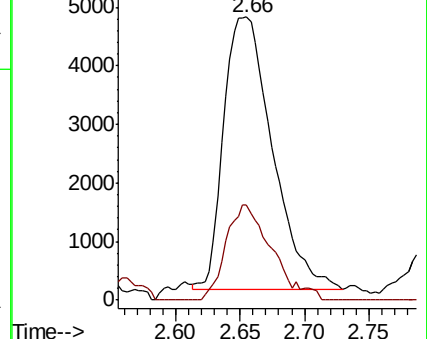
43 100

58 33.1 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.085 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

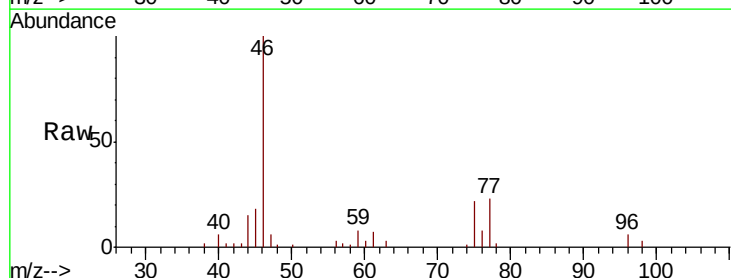
Tgt Ion: 96 Resp: 1504

Ion Ratio Lower Upper

96 100

61 127.0 100.0 185.6

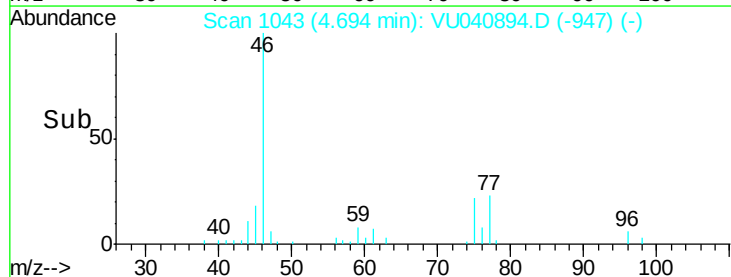
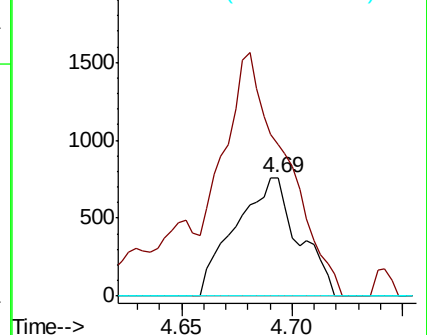
68 0.0 0.0 0.0

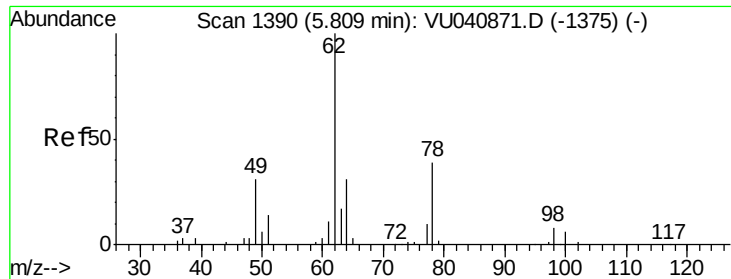


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

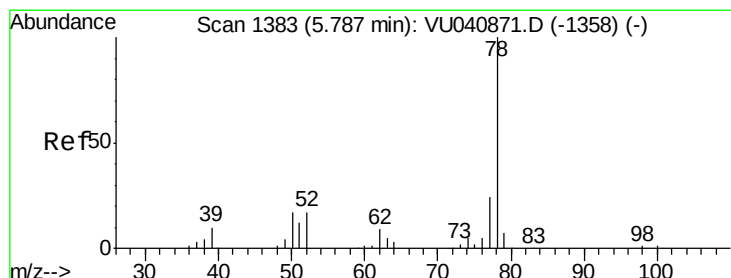
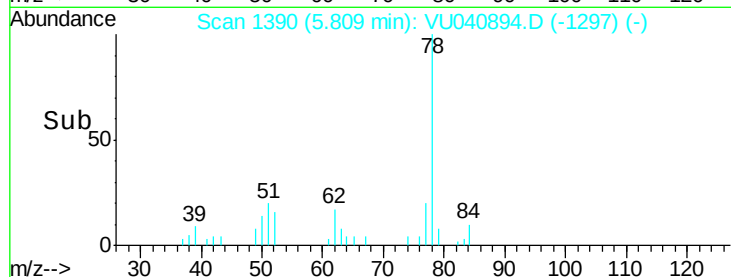
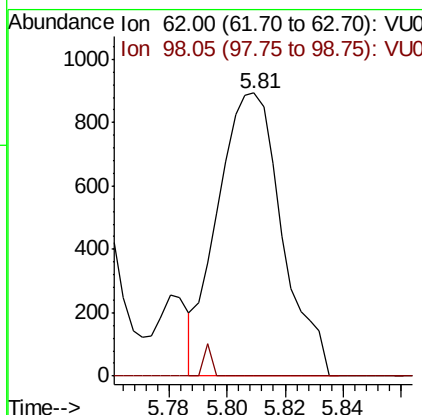
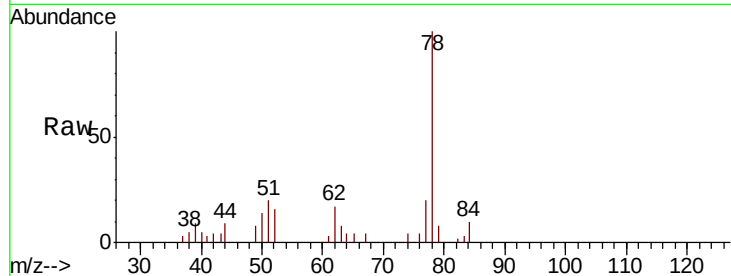




#27
 1,2-Dichloroethane
 Concen: 0.061 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU040894.D
 Acq: 21 Oct 2020 23:41

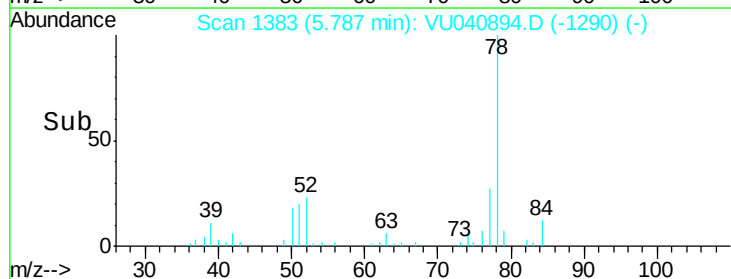
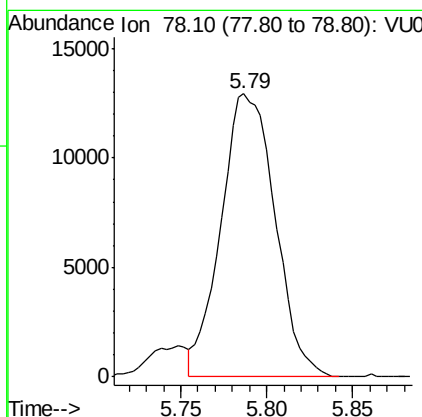
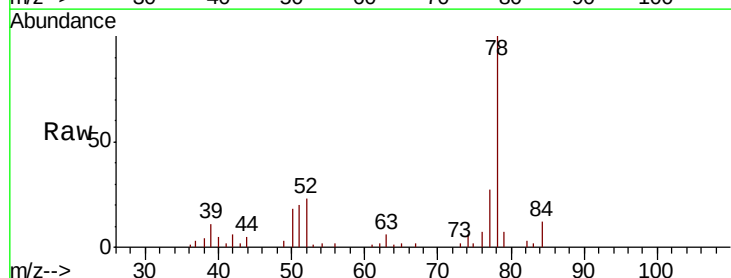
Instrument :
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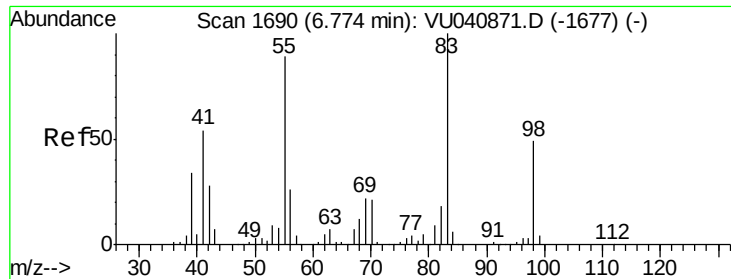
Tot Ion: 62 Resp: 1380
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#33
 Benzene
 Concen: 0.401 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VU040894.D
 Acq: 21 Oct 2020 23:41

Tgt Ion: 78 Resp: 28348

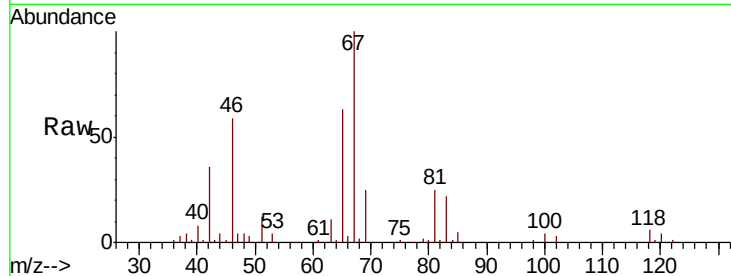




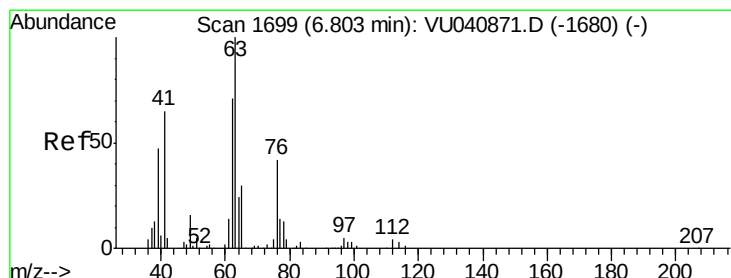
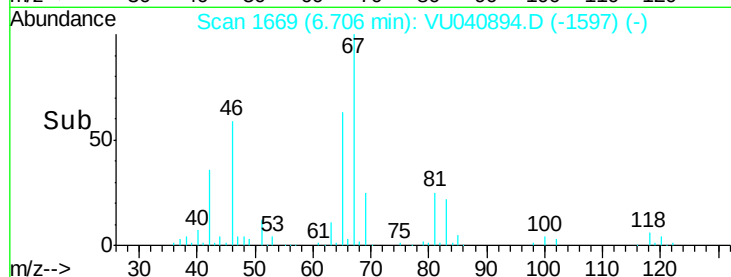
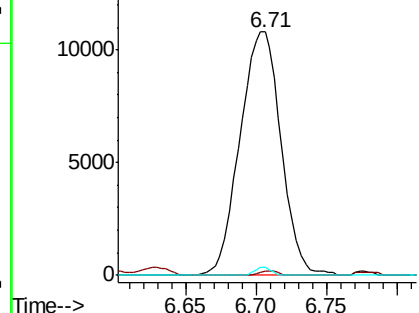
#35
Methylvlcyclohexane
Concen: 0.818 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040894.D
Acq: 21 Oct 2020 23:41

Instrument :
MSVOA_U
ClientSampleId :
ETZ58

Tot Ion: 83 Resp: 22005
Ion Ratio Lower Upper
83 100
55 0.8 69.1 103.7#
98 1.2 37.8 56.6#

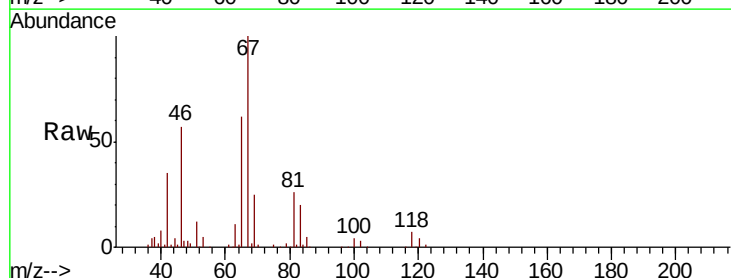


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

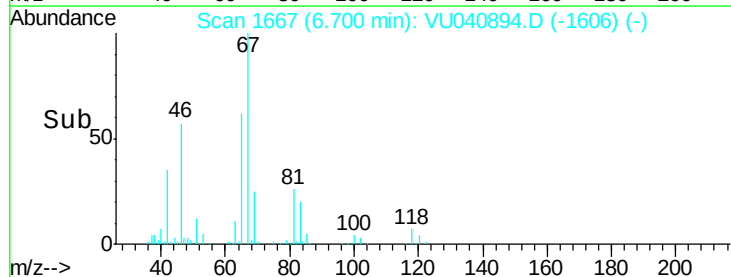
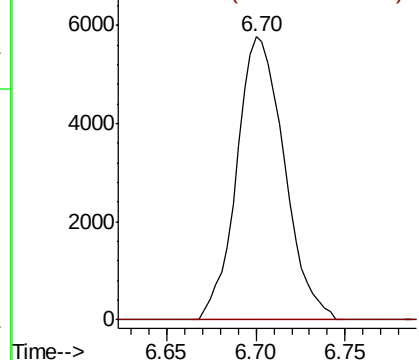


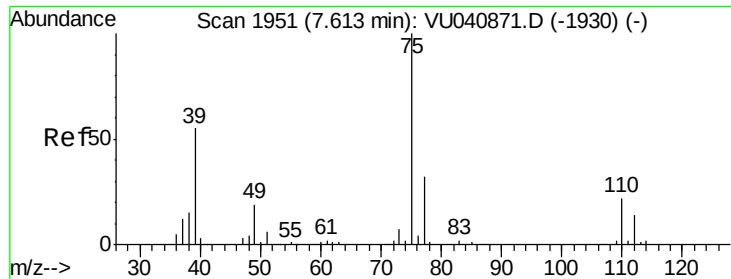
#37
1,2-Dichloropropane
Concen: 0.561 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040894.D
Acq: 21 Oct 2020 23:41

Tgt Ion: 63 Resp: 10700
Ion Ratio Lower Upper
63 100
112 0.8 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

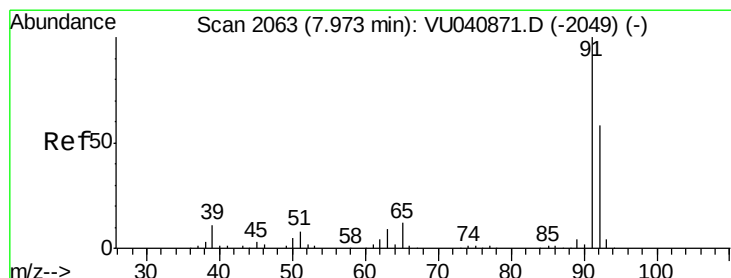
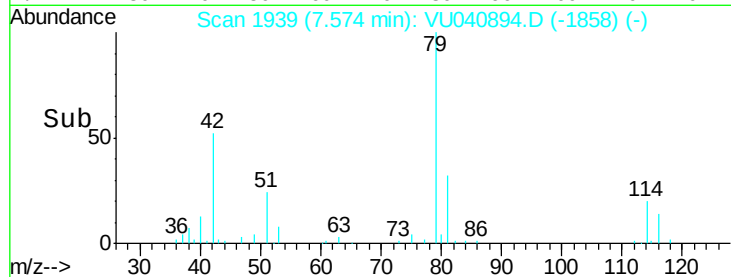
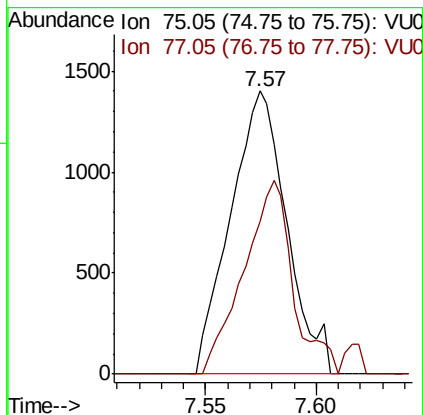
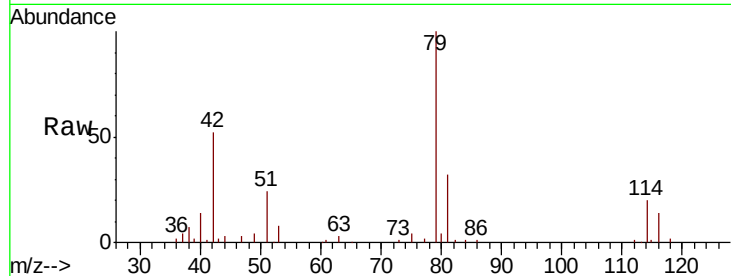




#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040894.D
 Acq: 21 Oct 2020 23:41

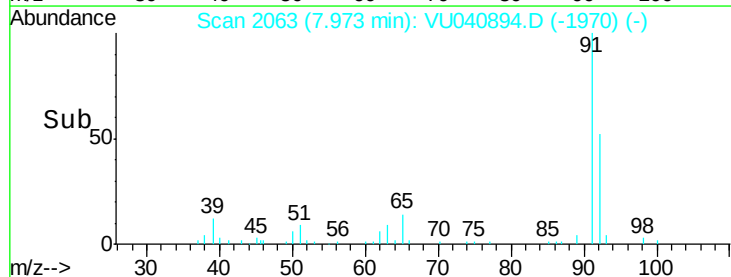
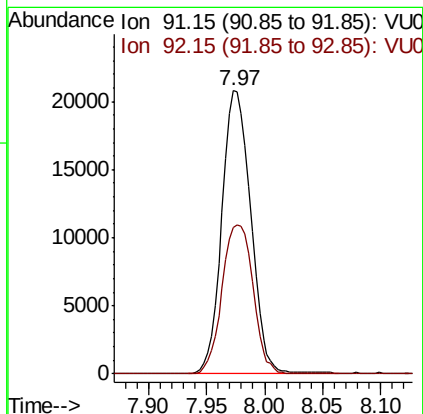
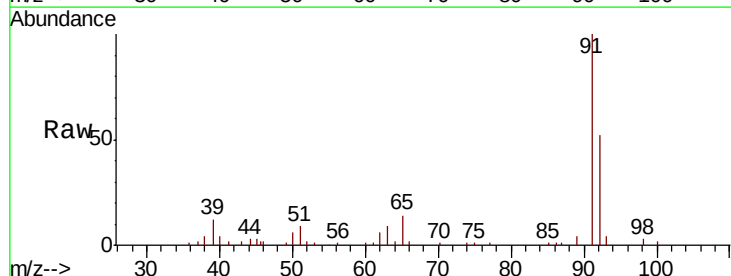
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ58

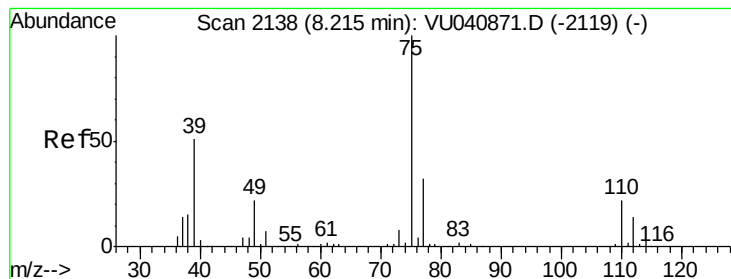
Tot Ion: 75 Resp: 2477
 Ion Ratio Lower Upper
 75 100
 77 54.0 21.6 40.2#



#42
 Toluene
 Concen: 0.507 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU040894.D
 Acq: 21 Oct 2020 23:41

Tgt Ion: 91 Resp: 35991
 Ion Ratio Lower Upper
 91 100
 92 51.6 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

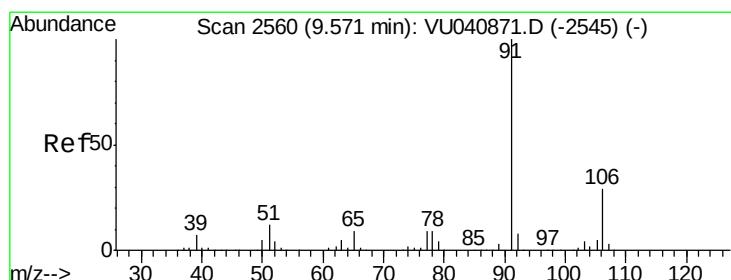
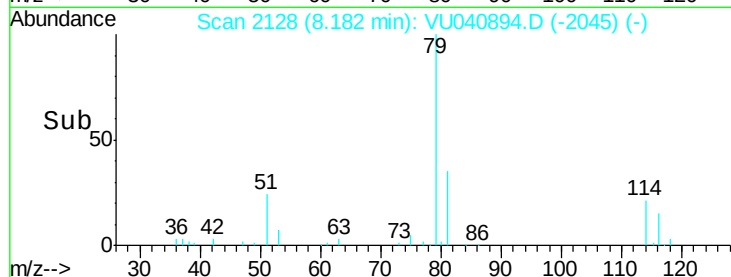
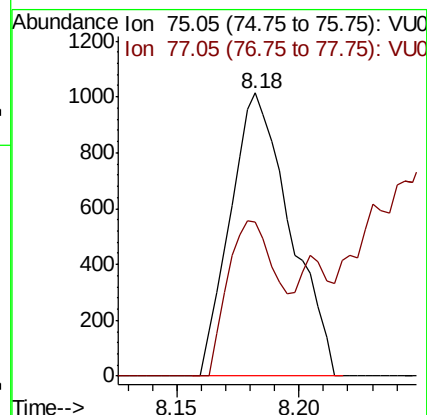
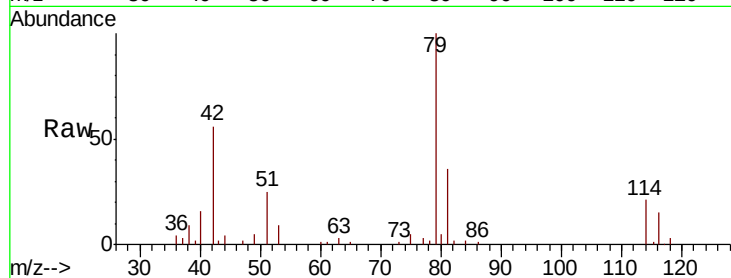
ETZ58

Tot Ion: 75 Resp: 1729

Ion Ratio Lower Upper

75 100

77 54.7 22.6 42.0#



#52

Ethylbenzene

Concen: 0.111 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040894.D

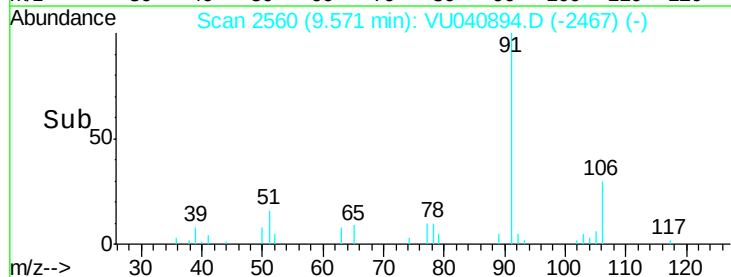
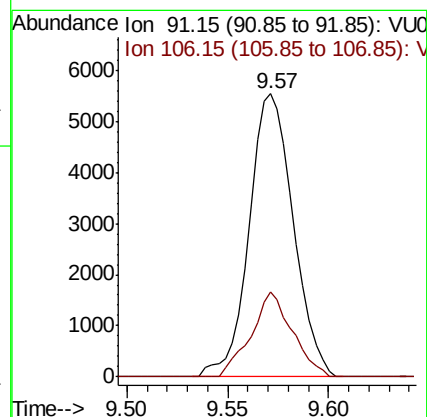
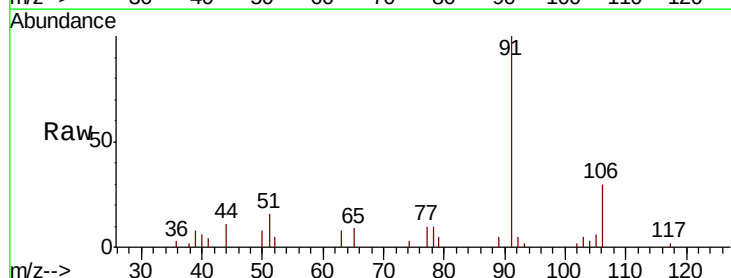
Acq: 21 Oct 2020 23:41

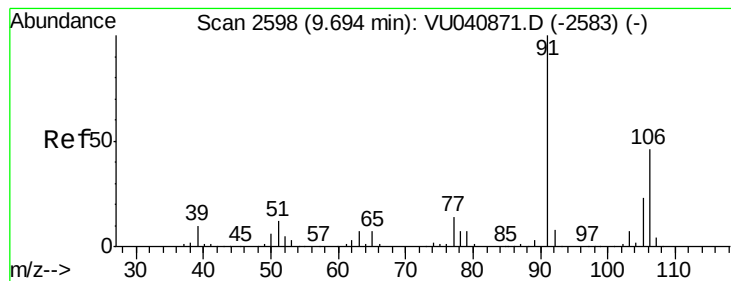
Tgt Ion: 91 Resp: 8476

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4





#53

m,p-Xylene

Concen: 0.440 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

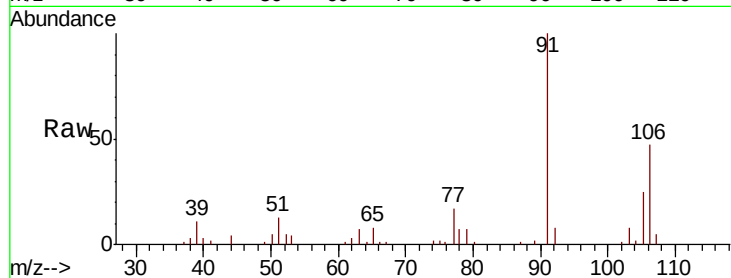
ETZ58

Tot Ion:106 Resp: 12089

Ion Ratio Lower Upper

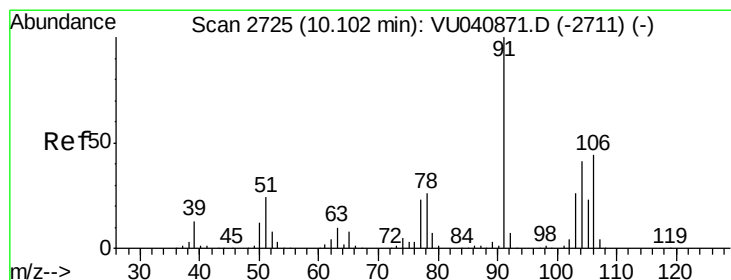
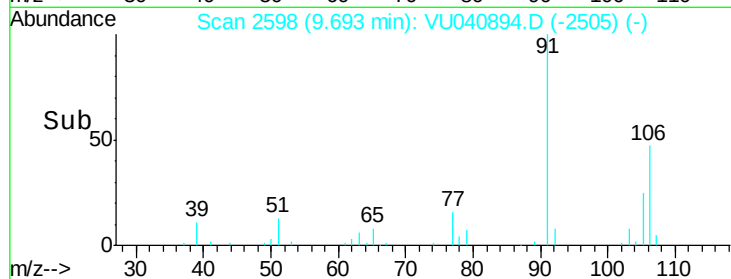
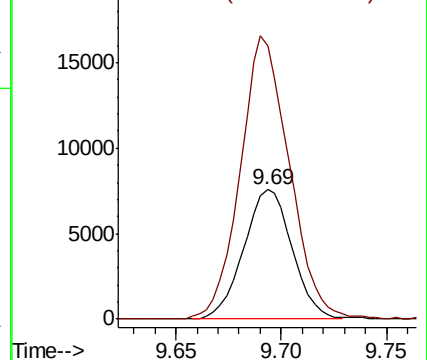
106 100

91 211.3 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.177 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040894.D

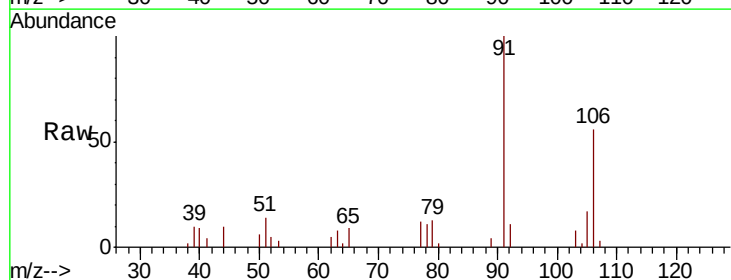
Acq: 21 Oct 2020 23:41

Tgt Ion:106 Resp: 4616

Ion Ratio Lower Upper

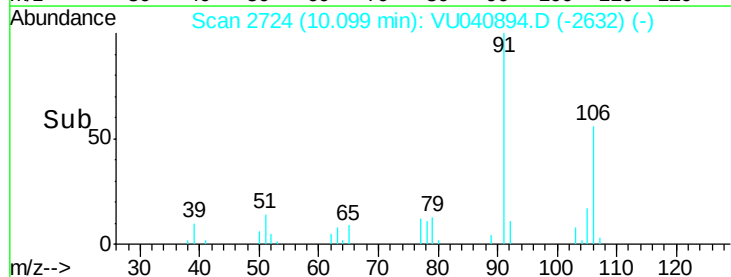
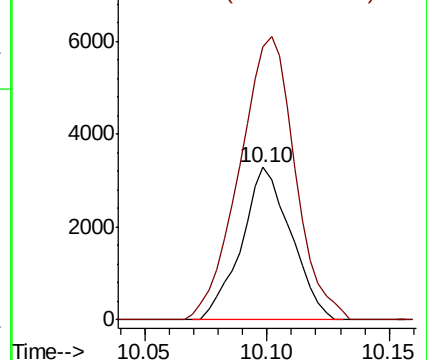
106 100

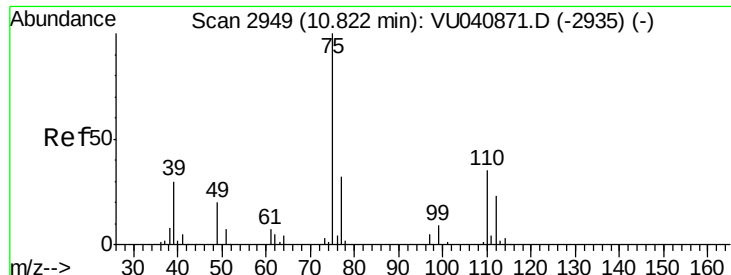
91 179.3 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.083 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040894.D

Acq: 21 Oct 2020 23:41

Instrument :

MSVOA_U

ClientSampleId :

ETZ58

Tot Ion: 75 Resp: 13420

Ion Ratio Lower Upper

75 100

77 36.5 27.5 41.3

