

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040602.D
 Acq On : 09 Oct 2020 23:01
 Operator : SY/MD
 Sample : L4352-16MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ09MS

Quant Time: Oct 10 06:06:10 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	131114	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59108	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49337	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.92	69	40606	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	97208	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.66	46	187752	54.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.00%
24) Chloroform-d	5.08	84	93150	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	58933	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.75	84	177116	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.70	67	61406	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.91	98	145109	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	23849	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.64	63	138258	52.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53378	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	58603	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
8) Chloroethane	1.91	64	343	0.046 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	604	0.055 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	40827	4.364 ug/L	92
25) Chloroform	5.11	83	2350	0.114 ug/L	99
27) 1,2-Dichloroethane	5.79	62	2022	0.138 ug/L #	77
33) Benzene	5.79	78	192108	4.423 ug/L	100
34) Trichloroethene	6.56	95	47120	4.185 ug/L	97
35) Methylcyclohexane	6.70	83	14183	0.888 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6728	0.556 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1908	0.115 ug/L #	82
42) Toluene	7.98	91	187262	4.231 ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	1110	0.073 ug/L #	78
48) 2-Hexanone	8.64	43	18246	2.540 ug/L #	71
51) Chlorobenzene	9.45	112	128654	4.413 ug/L	99
52) Ethylbenzene	9.57	91	4392	0.092 ug/L	94
53) m,p-Xylene	9.69	106	6696	0.383 ug/L	98
54) o-Xylene	10.10	106	1705	0.102 ug/L	79

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

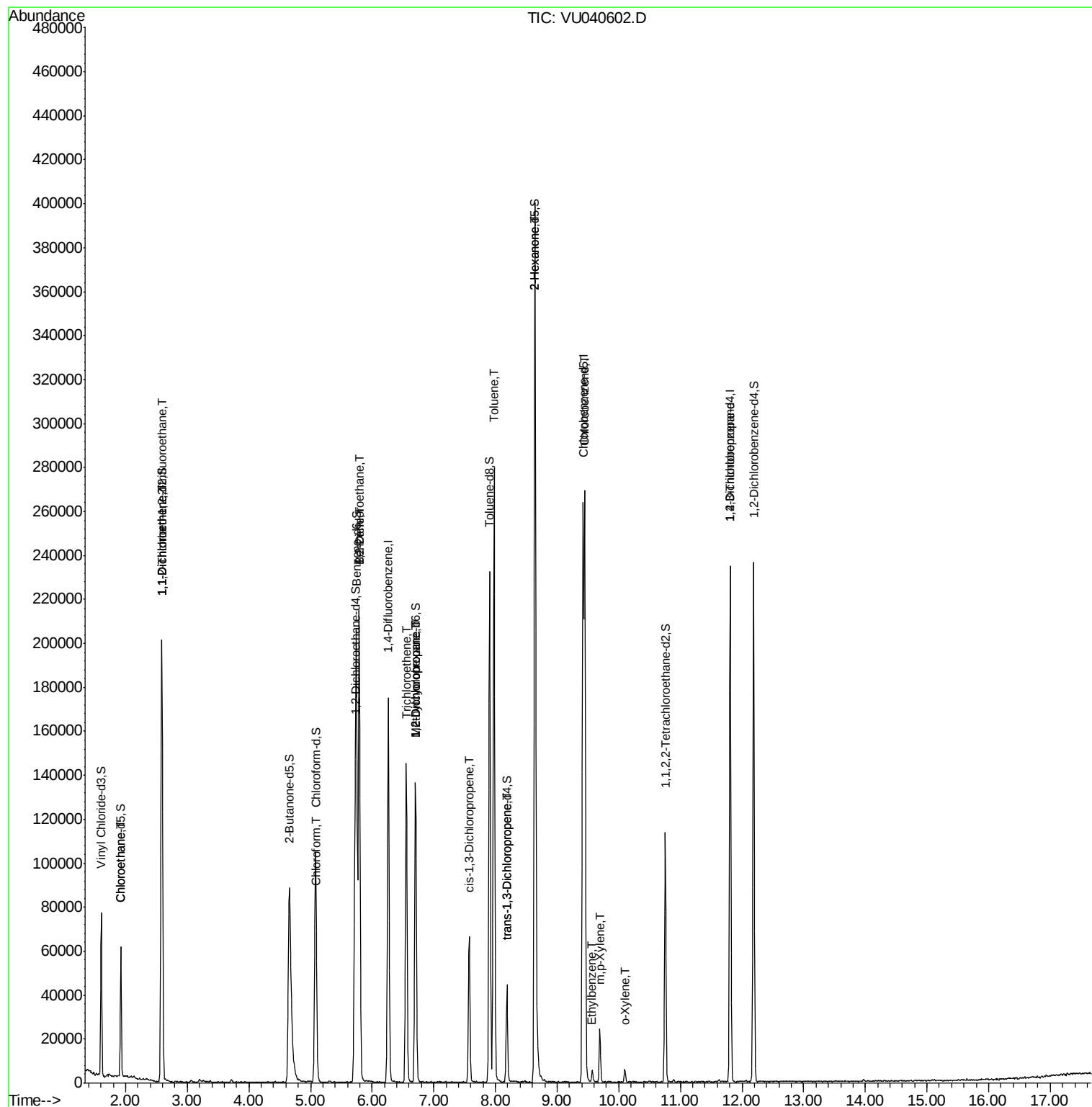
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	8361	0.940	ug/L	95

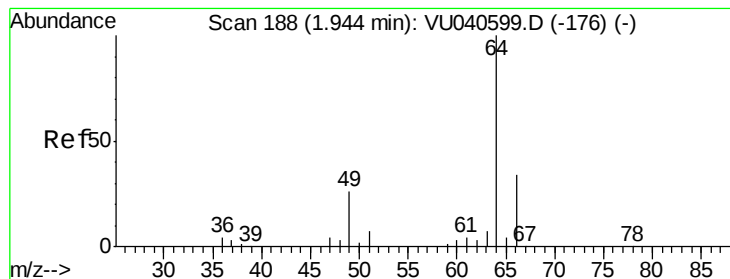
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.046 ug/L

RT: 1.91 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU040602.D

Acq: 09 Oct 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

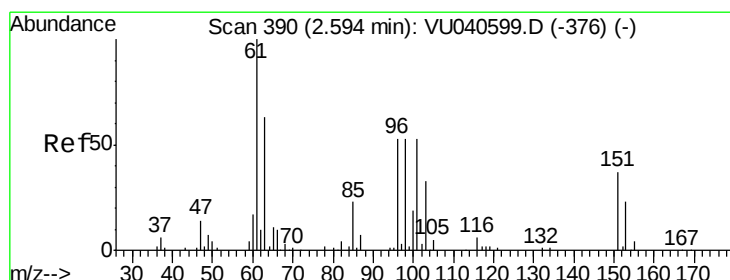
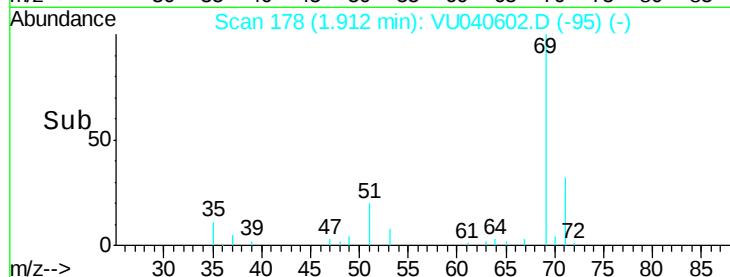
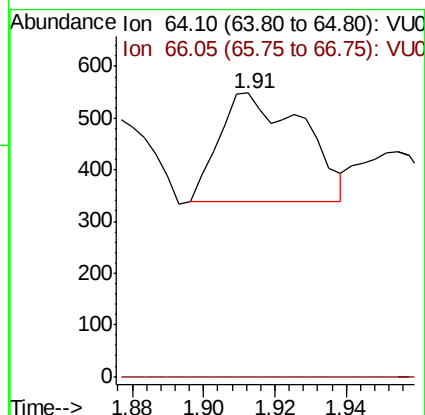
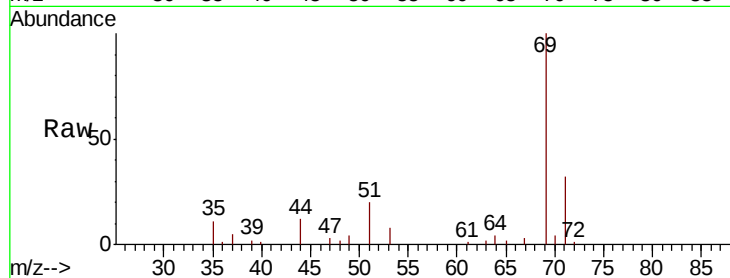
ETZ09MS

Tot Ion: 64 Resp: 343

Ion Ratio Lower Upper

64 100

66 0.0 23.3 43.3#



#10

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

Concen: 0.055 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040602.D

Acq: 09 Oct 2020 23:01

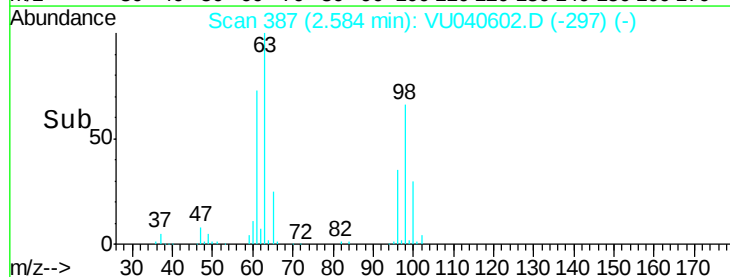
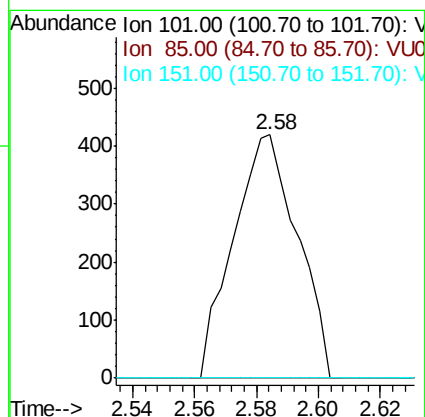
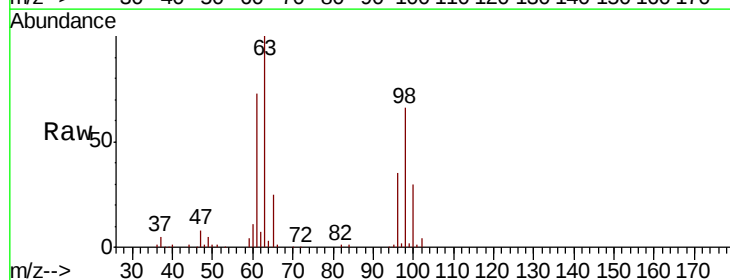
Tgt Ion: 101 Resp: 604

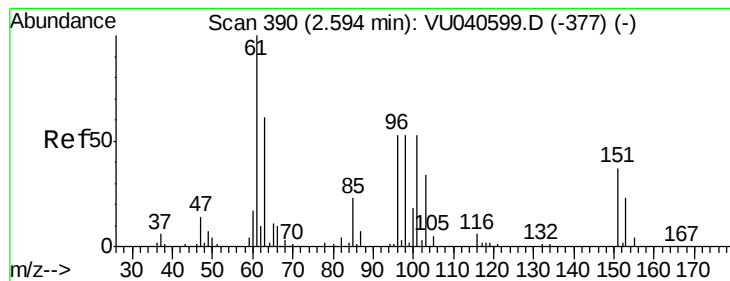
Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 4.364 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040602.D

Acq: 09 Oct 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

ETZ09MS

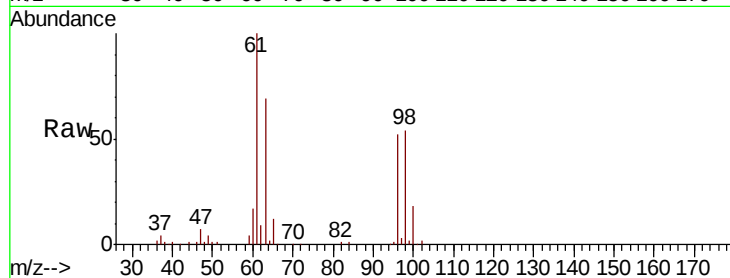
Tot Ion: 96 Resp: 40827

Ion Ratio Lower Upper

96 100

61 193.2 128.8 239.2

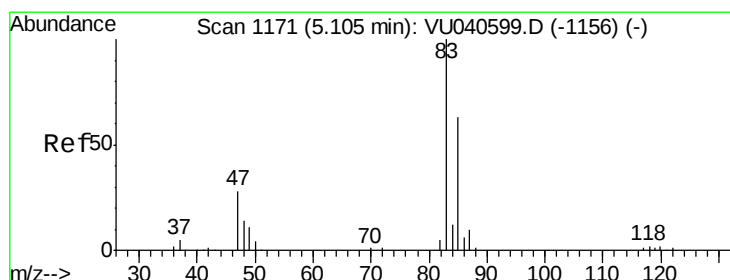
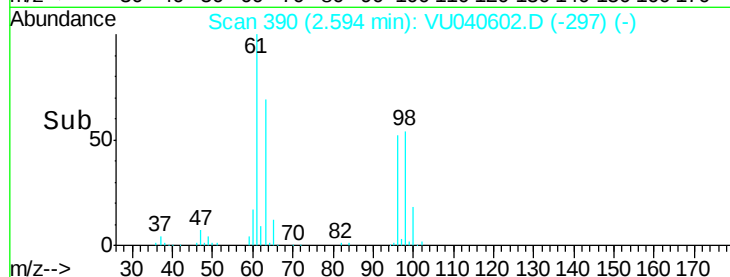
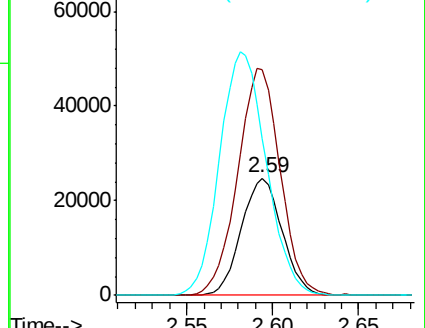
63 133.7 84.6 157.2



Abundance Ion 96.00 (95.70 to 96.70): VU040602.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040602.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040602.D (-297) (-)



#25

Chloroform

Concen: 0.114 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040602.D

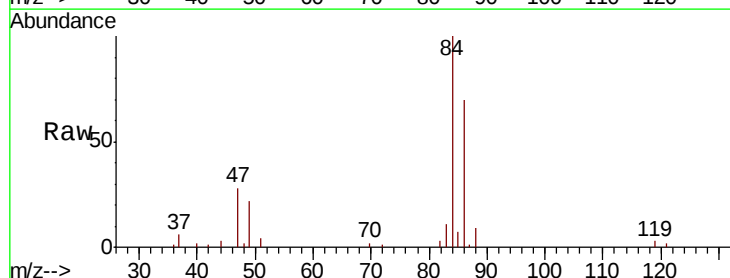
Acq: 09 Oct 2020 23:01

Tgt Ion: 83 Resp: 2350

Ion Ratio Lower Upper

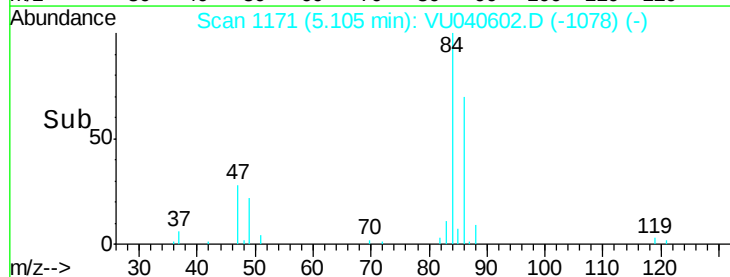
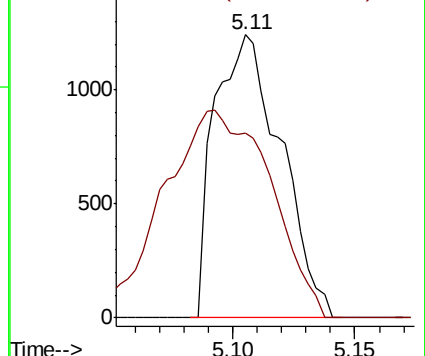
83 100

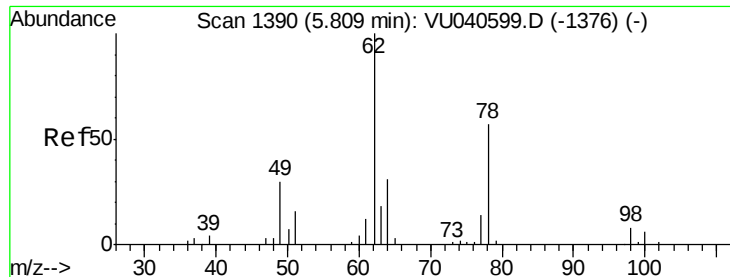
85 65.4 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040602.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040602.D (-1078) (-)





#27

1,2-Dichloroethane

Concen: 0.138 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. -0.02 min

Lab File: VU040602.D

Acq: 09 Oct 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

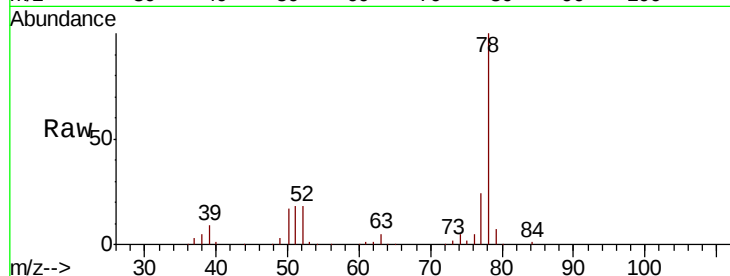
ETZ09MS

Tot Ion: 62 Resp: 2022

Ion Ratio Lower Upper

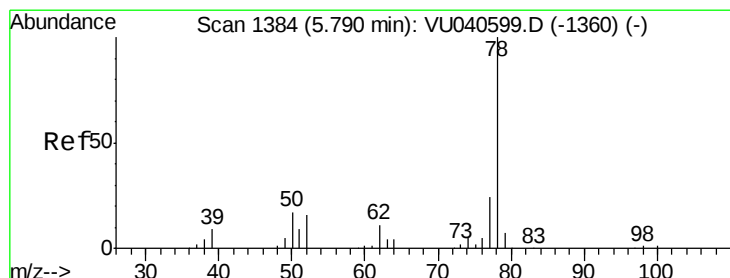
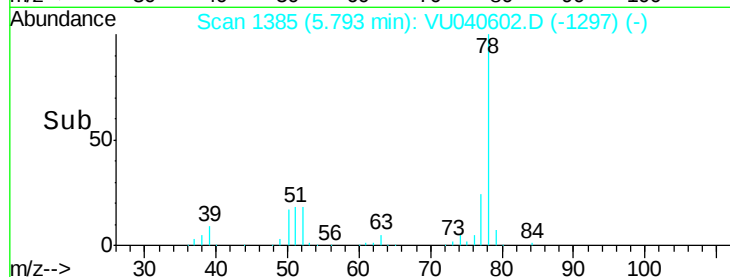
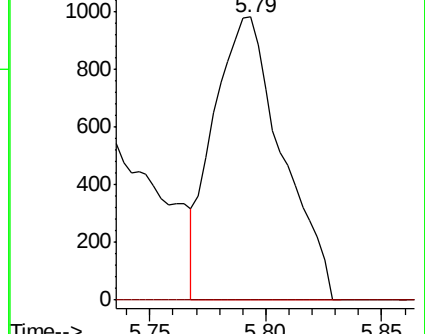
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 4.423 ug/L

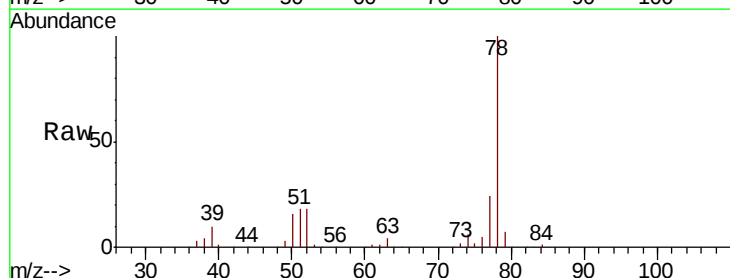
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040602.D

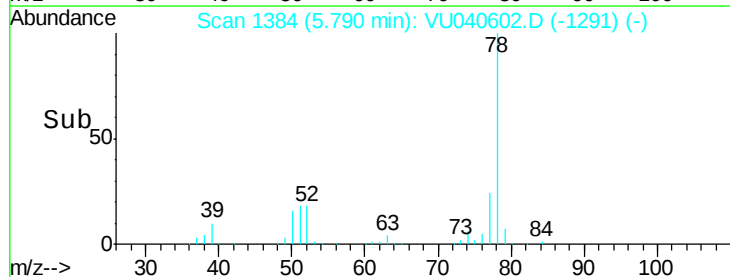
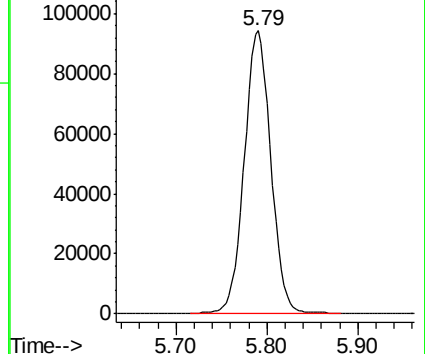
Acq: 09 Oct 2020 23:01

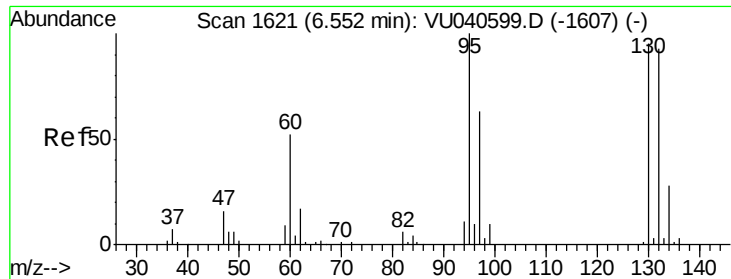
Tgt Ion: 78 Resp: 192108



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 98.05 (97.75 to 98.75): VU0

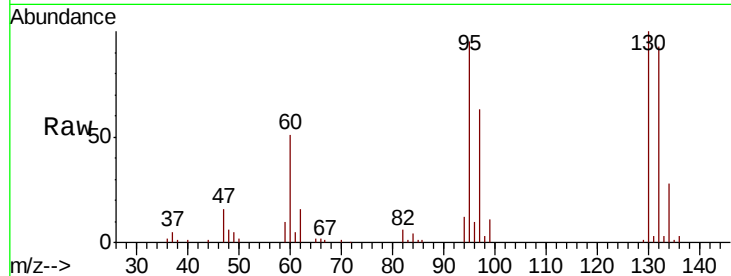




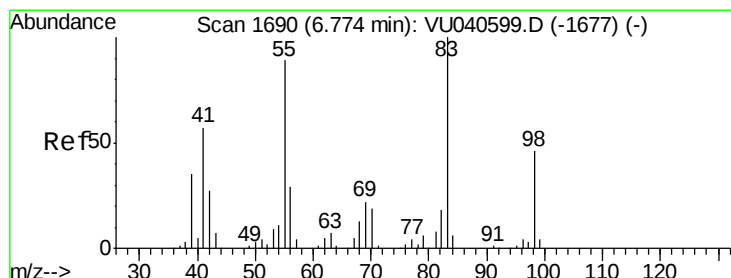
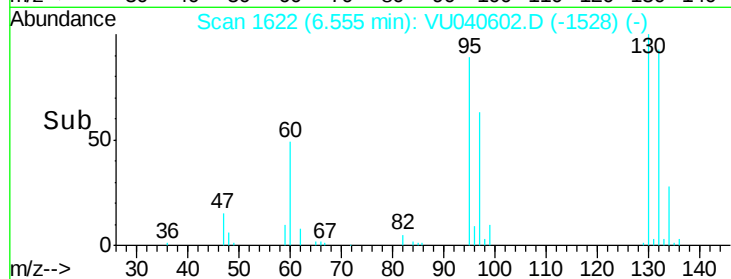
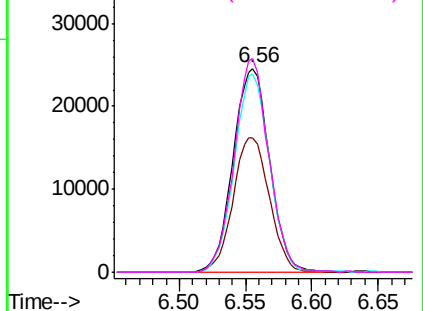
#34
 Trichloroethene
 Concen: 4.185 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040602.D
 Acq: 09 Oct 2020 23:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ09MS

Tot Ion: 95 Resp: 47120
 Ion Ratio Lower Upper
 95 100
 97 66.2 45.5 84.5
 132 97.5 67.5 125.4
 130 104.7 69.9 129.9

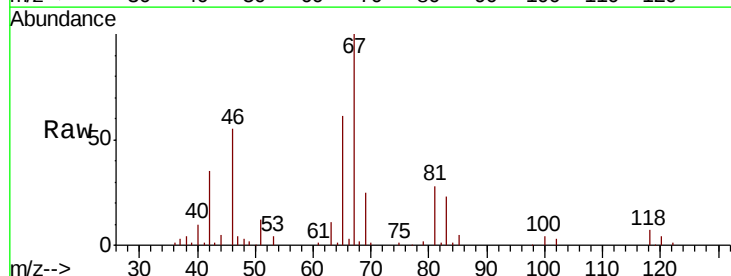


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

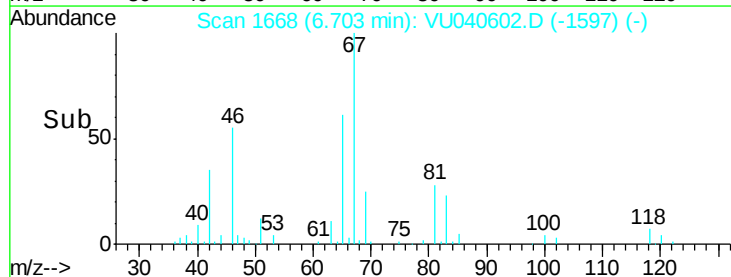
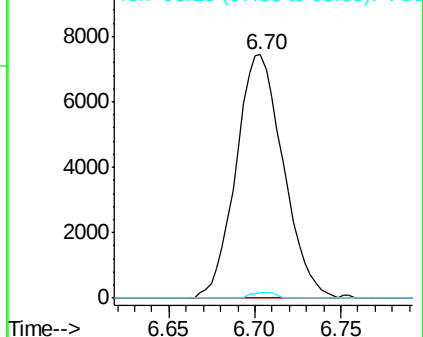


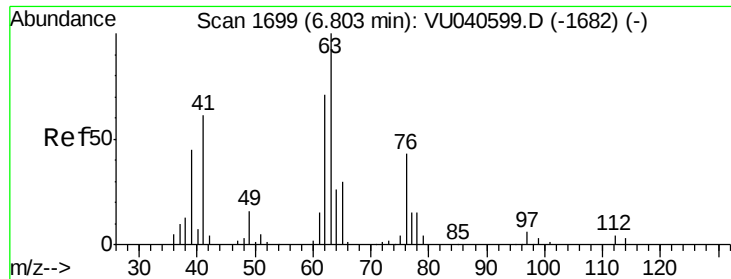
#35
 Methylcyclohexane
 Concen: 0.888 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040602.D
 Acq: 09 Oct 2020 23:01

Tgt Ion: 83 Resp: 14183
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 1.2 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

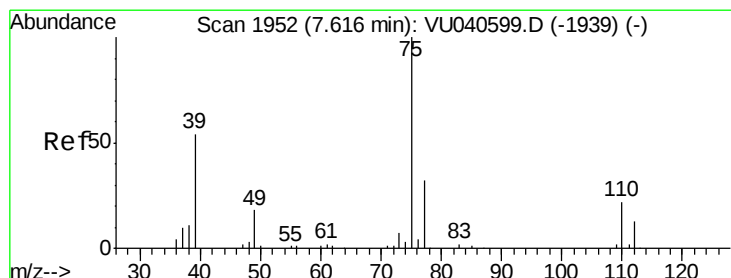
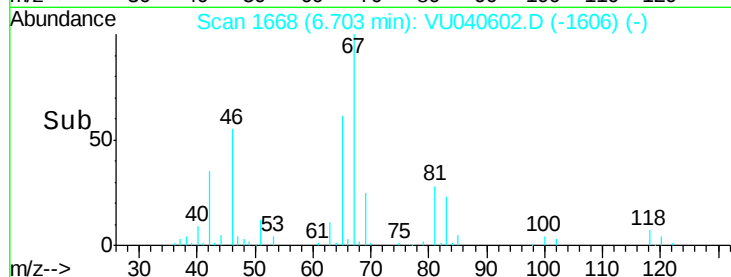
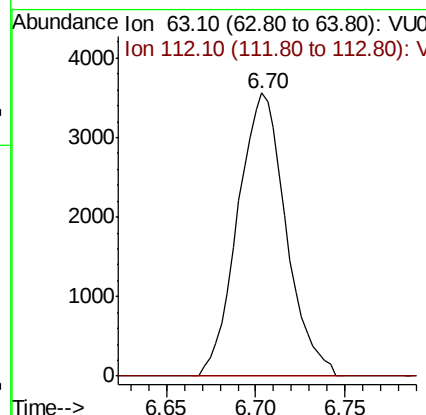
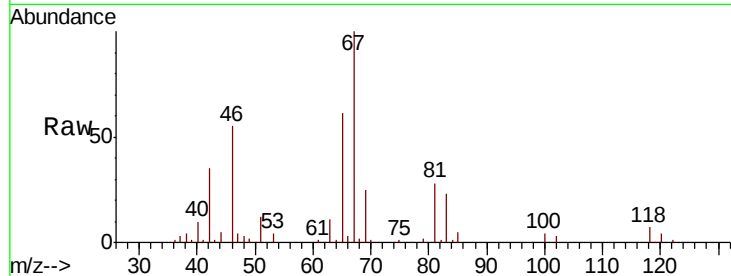




#37
 1,2-Dichloropropane
 Concen: 0.556 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040602.D
 Acq: 09 Oct 2020 23:01

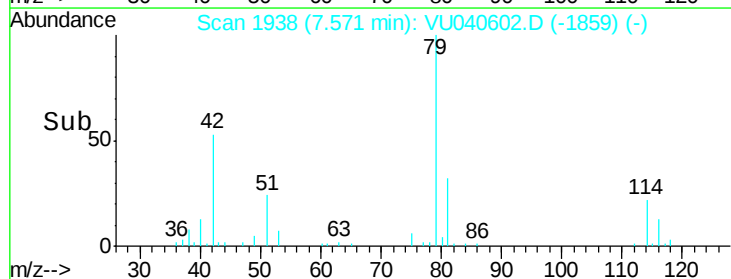
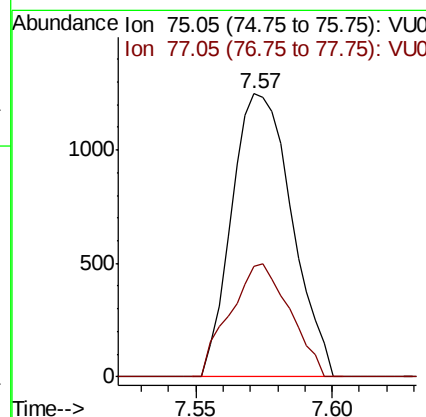
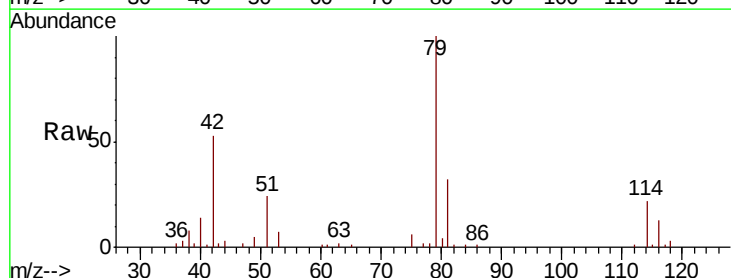
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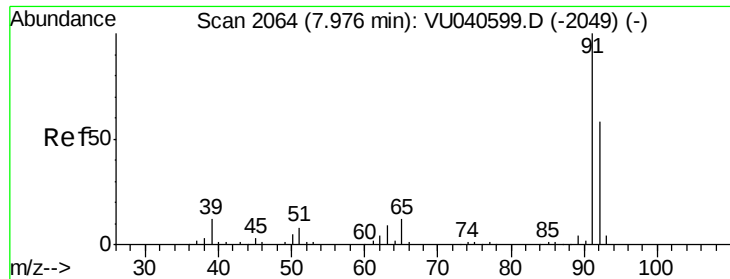
Tot Ion: 63 Resp: 6728
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040602.D
 Acq: 09 Oct 2020 23:01

Tgt Ion: 75 Resp: 1908
 Ion Ratio Lower Upper
 75 100
 77 39.2 20.5 38.1#





#42

Toluene

Concen: 4.231 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040602.D

Acq: 09 Oct 2020 23:01

Instrument :

MSVOA_U

ClientSampleId :

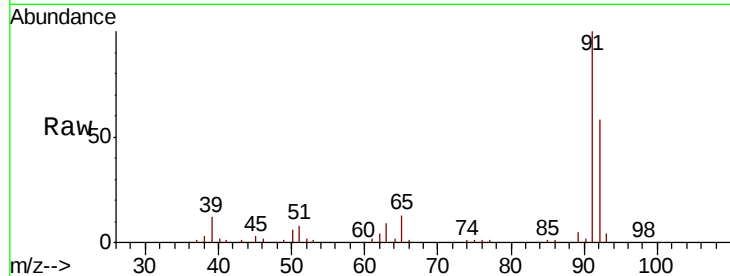
ETZ09MS

Tot Ion: 91 Resp: 187262

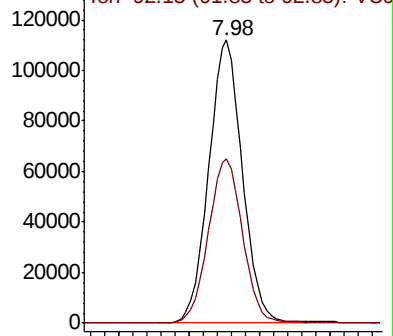
Ion Ratio Lower Upper

91 100

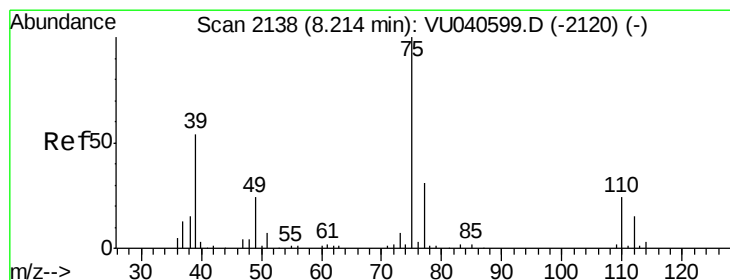
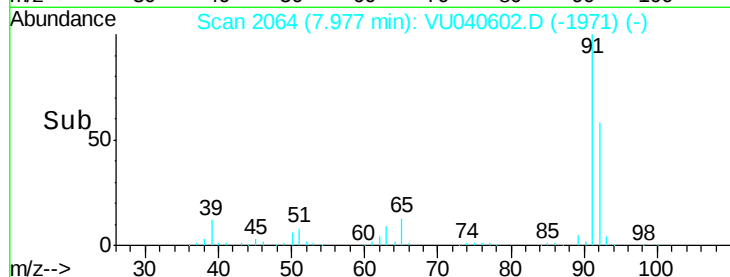
92 57.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2049) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040602.D

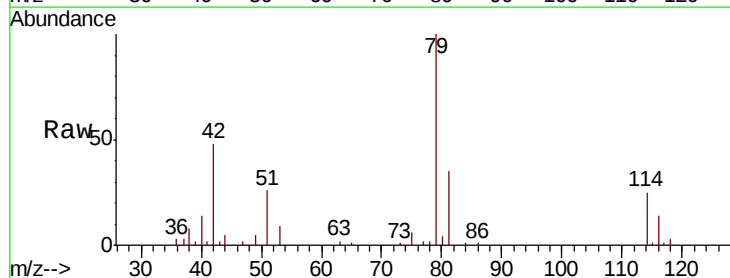
Acq: 09 Oct 2020 23:01

Tgt Ion: 75 Resp: 1110

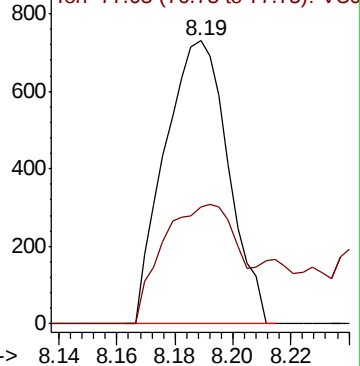
Ion Ratio Lower Upper

75 100

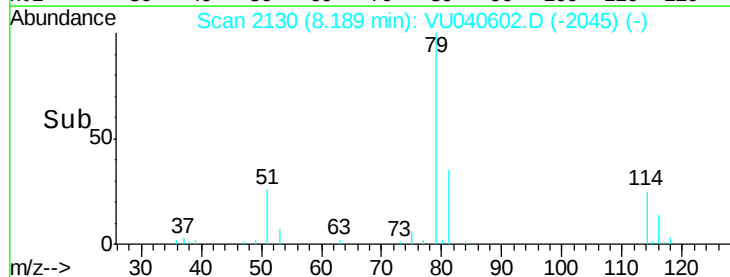
77 41.2 20.4 38.0#

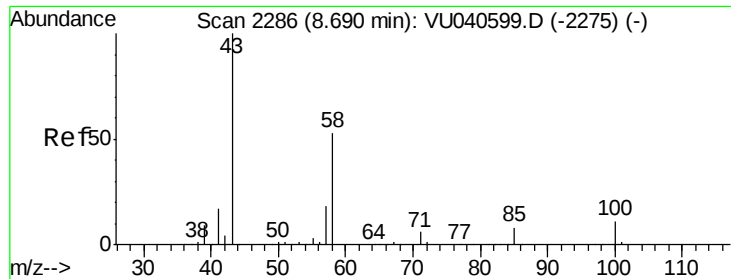


Abundance Ion 75.05 (74.75 to 75.75): VU040599.D (-2120) (-)



Time-->

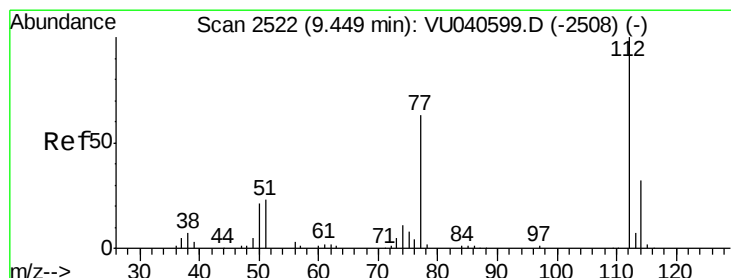
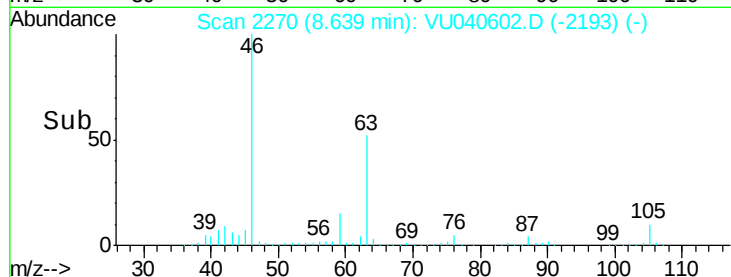
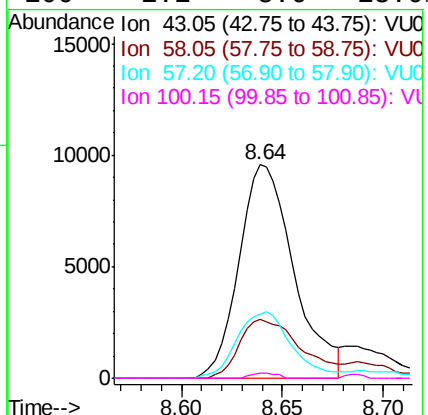
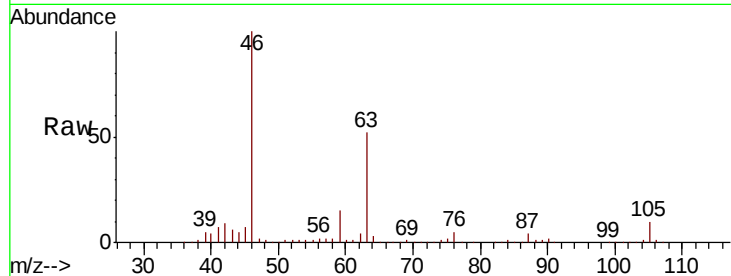




#48
2-Hexanone
Concen: 2.540 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040602.D
Acq: 09 Oct 2020 23:01

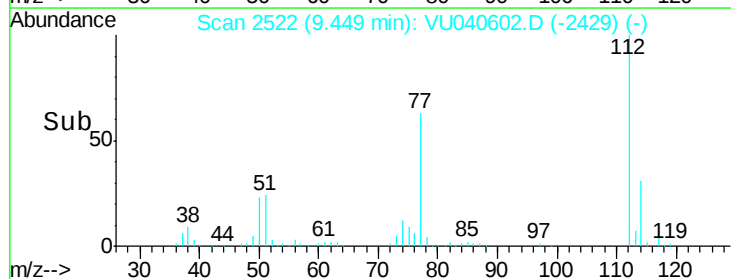
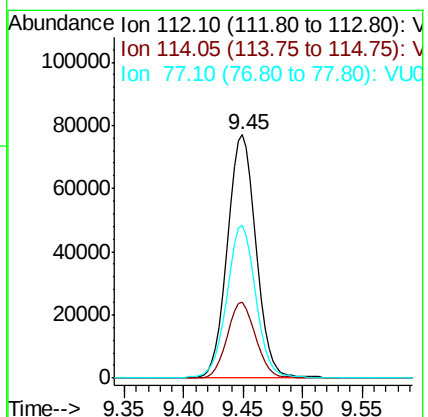
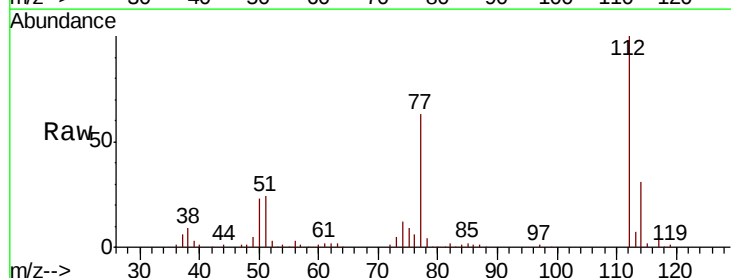
Instrument :
MSVOA_U
ClientSampleId :
ETZ09MS

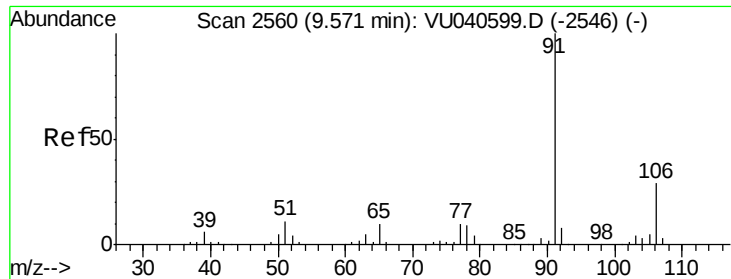
Tot Ion	Ratio	Lower	Upper
43	100		
58	30.7	41.0	61.6#
57	31.2	14.4	21.6#
100	1.1	8.6	13.0#



#51
Chlorobenzene
Concen: 4.413 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040602.D
Acq: 09 Oct 2020 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	23.1	42.9
77	62.8	50.3	75.5

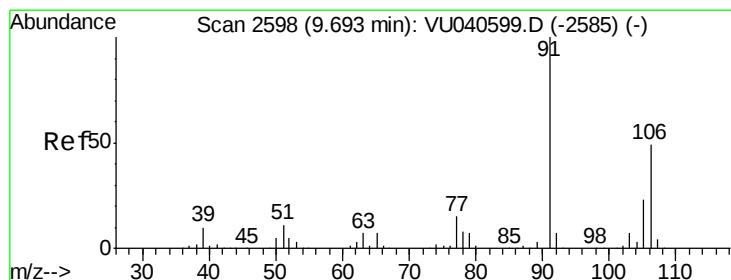
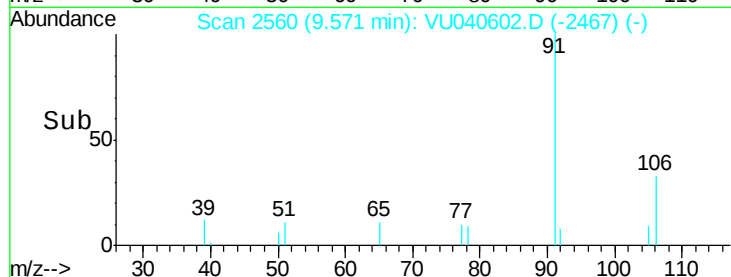
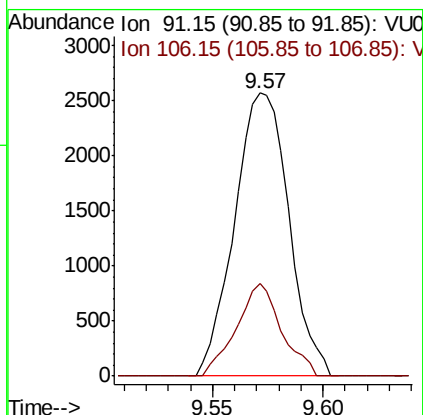
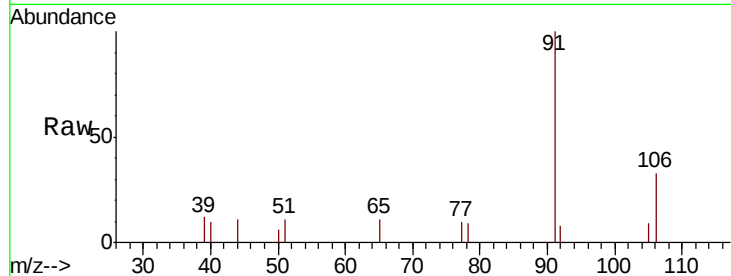




#52
Ethylbenzene
Concen: 0.092 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040602.D
Acq: 09 Oct 2020 23:01

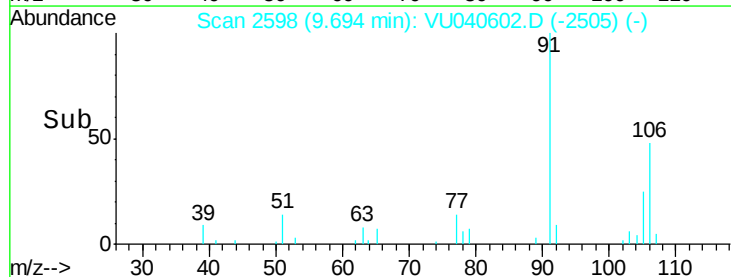
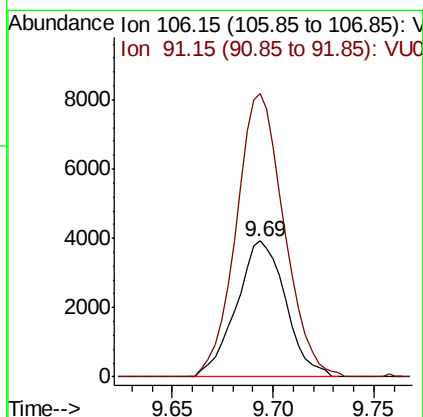
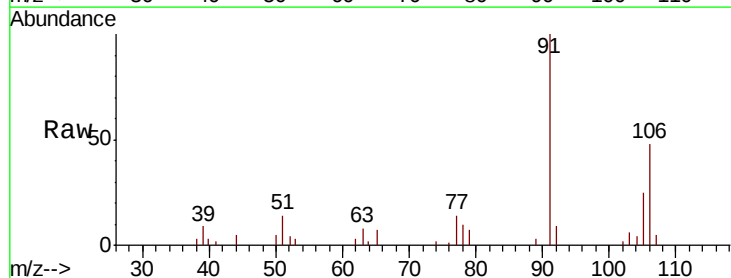
Instrument :
MSVOA_U
ClientSampleId :
ETZ09MS

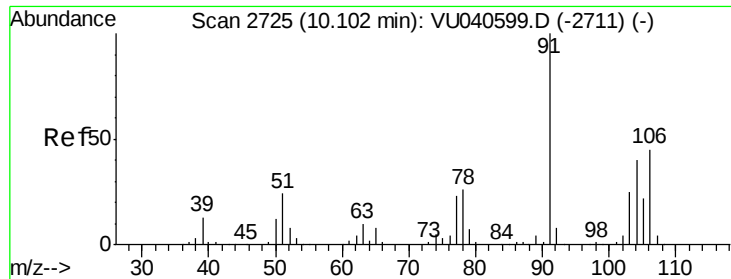
Tot Ion: 91 Resp: 4392
Ion Ratio Lower Upper
91 100
106 32.8 20.7 38.5



#53
m,p-Xylene
Concen: 0.383 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040602.D
Acq: 09 Oct 2020 23:01

Tgt Ion: 106 Resp: 6696
Ion Ratio Lower Upper
106 100
91 208.5 148.5 275.7

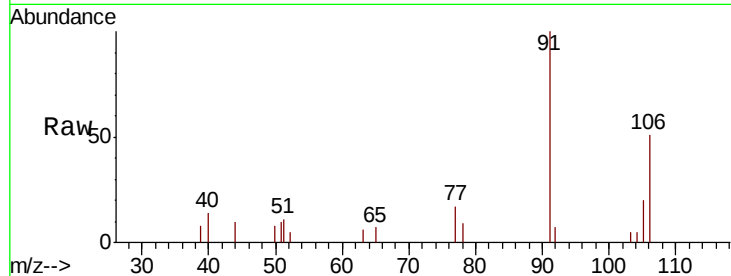




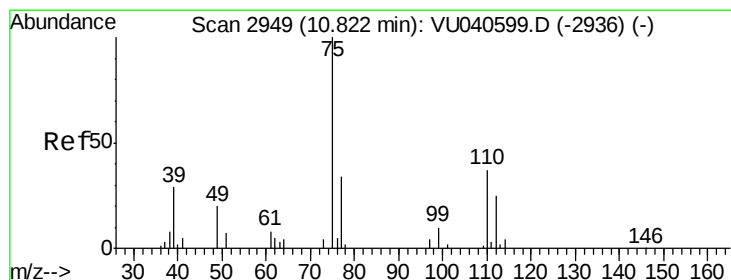
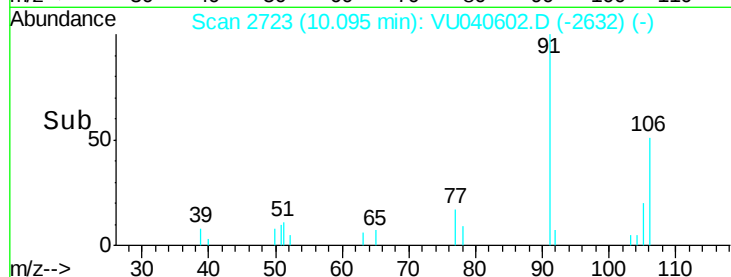
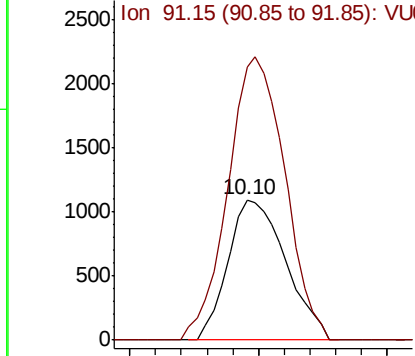
#54
o-Xylene
Concen: 0.102 ug/L
RT: 10.10 min Scan# 2723
Delta R.T. -0.01 min
Lab File: VU040602.D
Acq: 09 Oct 2020 23:01

Instrument :
MSVOA_U
ClientSampleId :
ETZ09MS

Tot Ion: 106 Resp: 1705
Ion Ratio Lower Upper
106 100
91 194.7 160.2 297.4

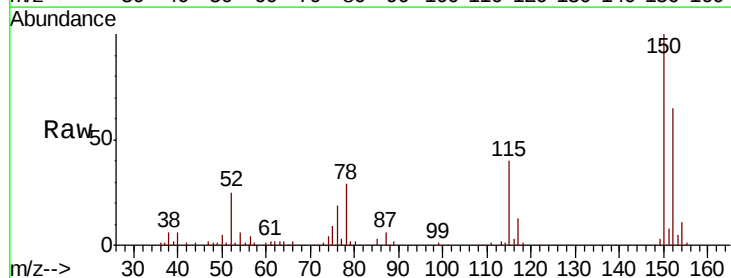


Abundance Ion 106.15 (105.85 to 106.85): VU040602.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU040602.D (-2632) (-)



#59
1,2,3-Trichloropropane
Concen: 0.940 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040602.D
Acq: 09 Oct 2020 23:01

Tgt Ion: 75 Resp: 8361
Ion Ratio Lower Upper
75 100
77 35.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040602.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU040602.D (-2327) (-)

