

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040757.D
 Acq On : 16 Oct 2020 19:01
 Operator : SY/MD
 Sample : L4354-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ20

Quant Time: Oct 16 23:43:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109916	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113293	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38093	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	35415	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	61750	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.66	46	162269	55.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.36%
24) Chloroform-d	5.08	84	88114	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.72	65	52692	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.75	84	154826	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.70	67	53507	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.91	98	118392	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	17599	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.64	63	105940	47.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48032	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	49569	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

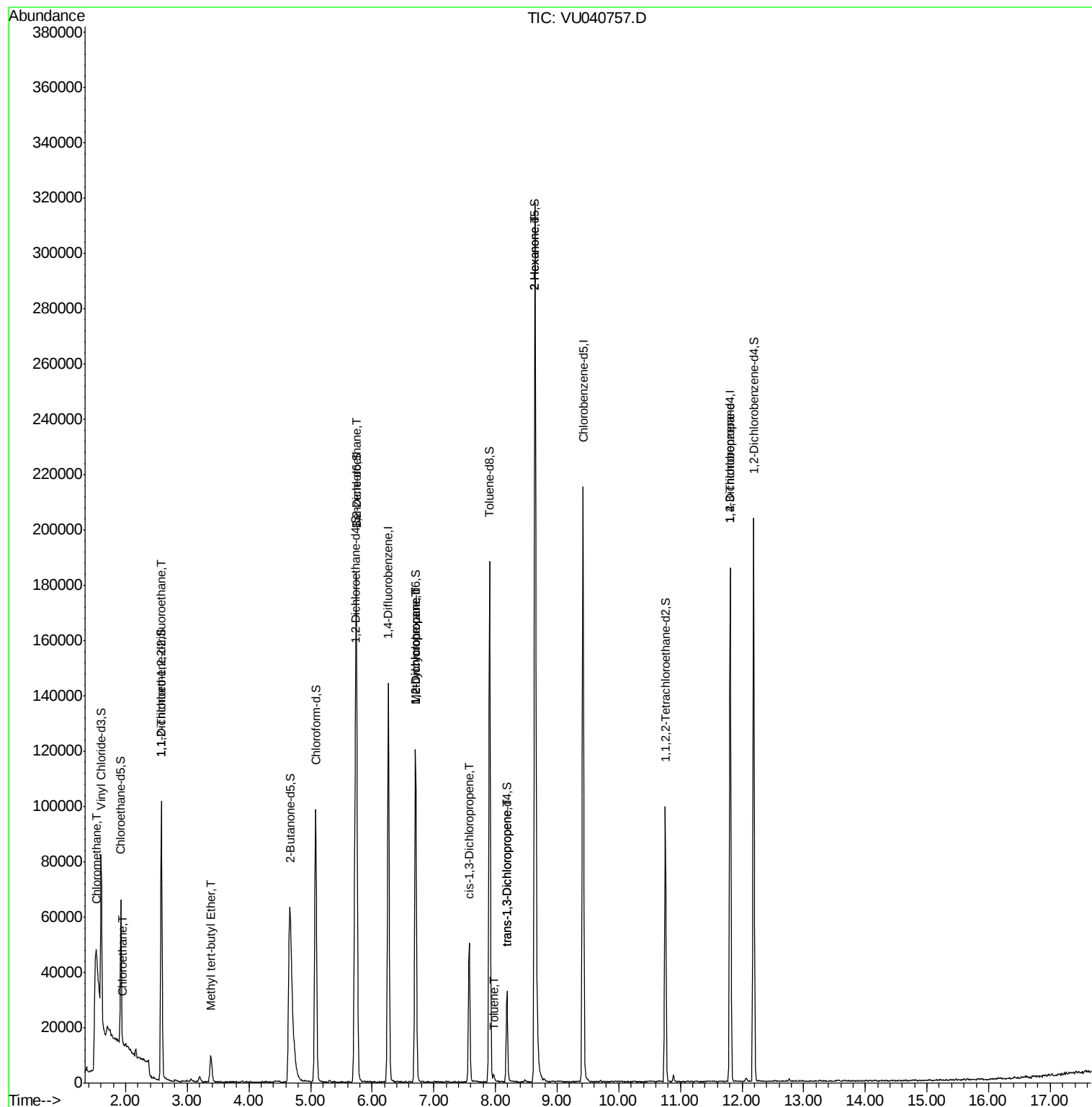
					Ovalue
3) Chloromethane	1.52	50	3761	0.404 ug/L #	71
8) Chloroethane	1.96	64	710	0.114 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	459	0.050 ug/L #	20
17) Methyl tert-butyl Ether	3.38	73	9773	0.441 ug/L	96
27) 1,2-Dichloroethane	5.74	62	1146	0.093 ug/L #	77
35) Methylcyclohexane	6.70	83	12767	0.954 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6183	0.610 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1266	0.091 ug/L #	75
42) Toluene	7.97	91	1736	0.047 ug/L	80
44) trans-1,3-Dichloropropene	8.19	75	870	0.068 ug/L #	66
48) 2-Hexanone	8.64	43	15539	2.581 ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	6291	0.844 ug/L #	87

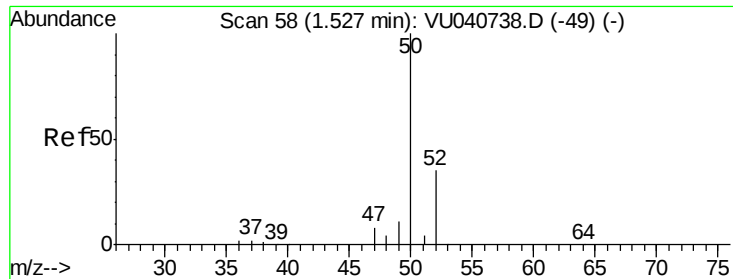
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.404 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040757.D

Acq: 16 Oct 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

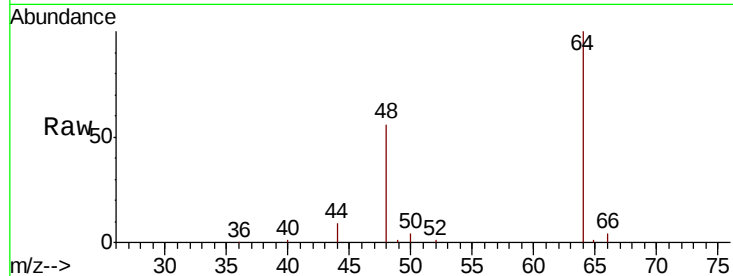
ETZ20

Tot Ion: 50 Resp: 3761

Ion Ratio Lower Upper

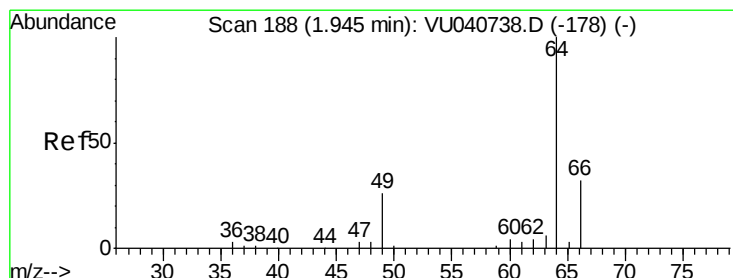
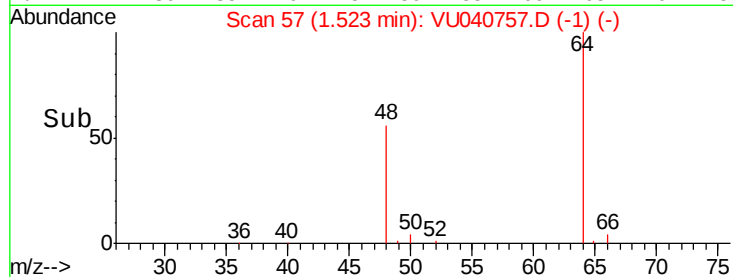
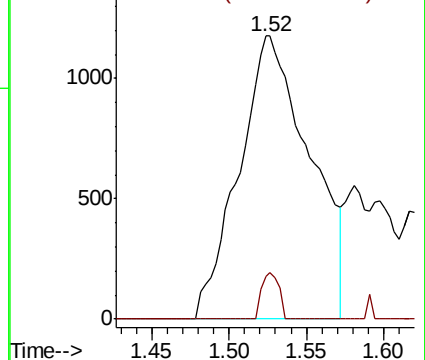
50 100

52 15.2 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.114 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.02 min

Lab File: VU040757.D

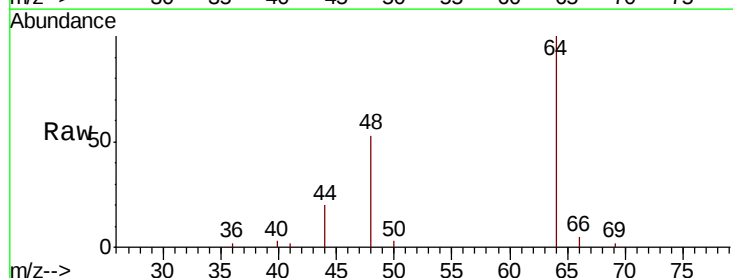
Acq: 16 Oct 2020 19:01

Tgt Ion: 64 Resp: 710

Ion Ratio Lower Upper

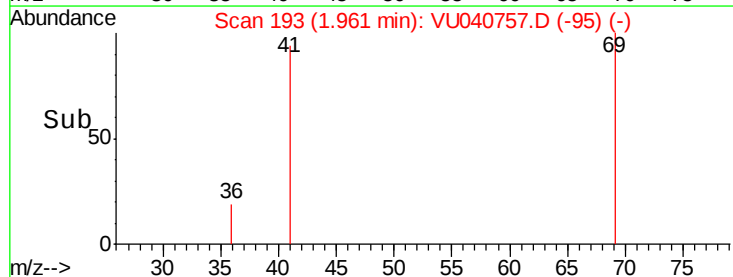
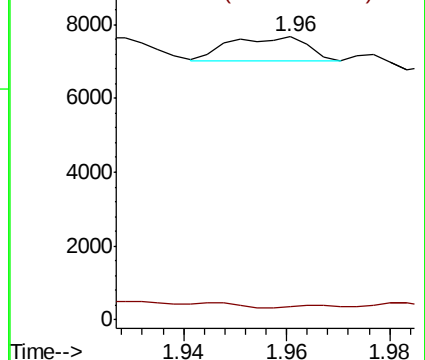
64 100

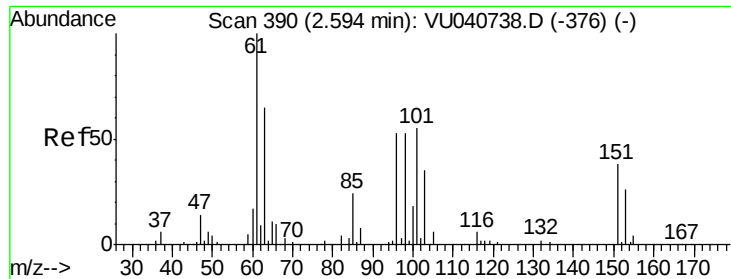
66 4.6 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040757.D

Acq: 16 Oct 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

ETZ20

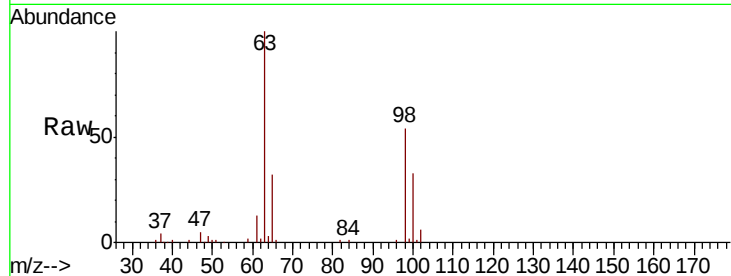
Tot Ion:101 Resp: 459

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

2.58

400

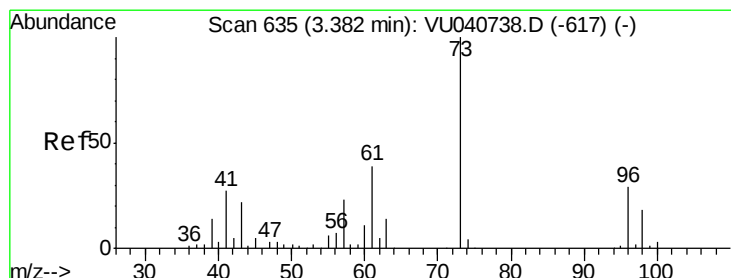
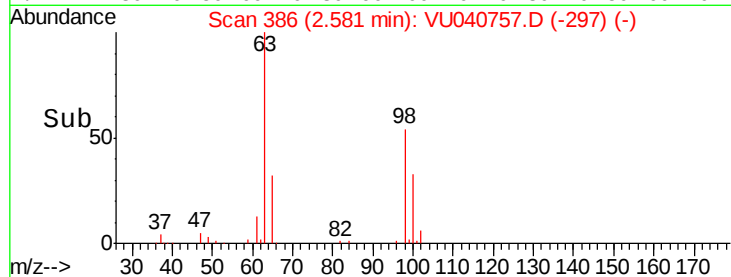
300

200

100

0

Time--> 2.54 2.56 2.58 2.60



#17

Methyl tert-butyl Ether

Concen: 0.441 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040757.D

Acq: 16 Oct 2020 19:01

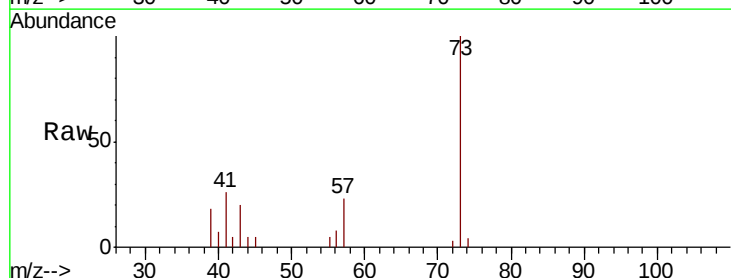
Tgt Ion: 73 Resp: 9773

Ion Ratio Lower Upper

73 100

43 23.9 18.2 27.4

57 26.0 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

6000

5000

4000

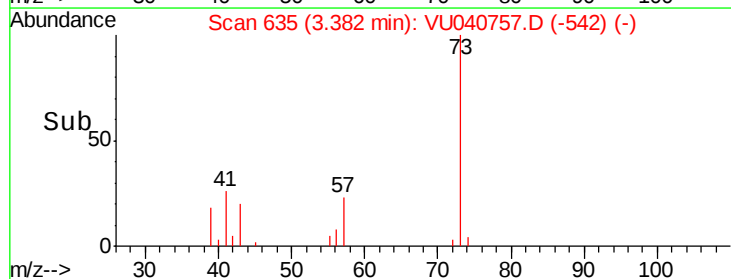
3000

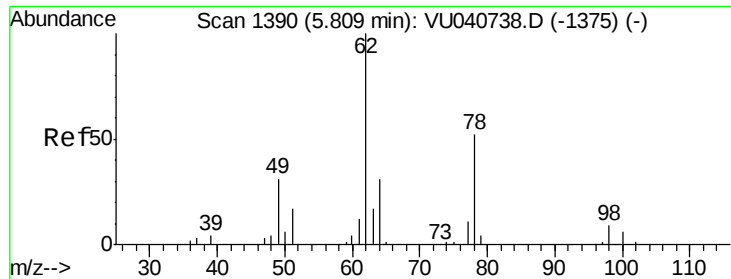
2000

1000

0

Time--> 3.30 3.35 3.40 3.45

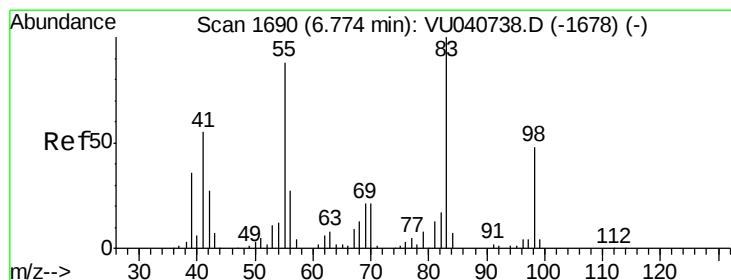
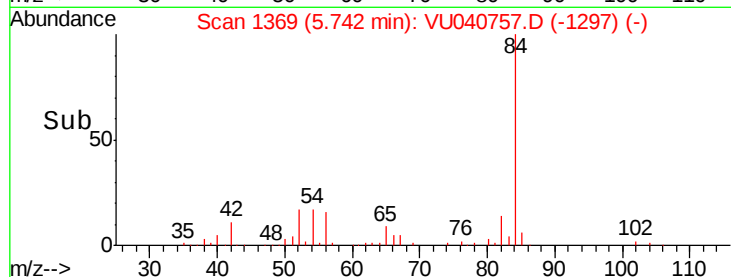
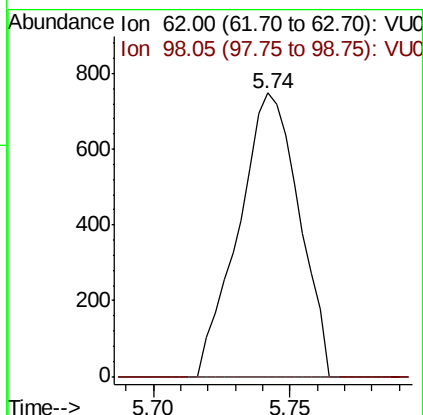
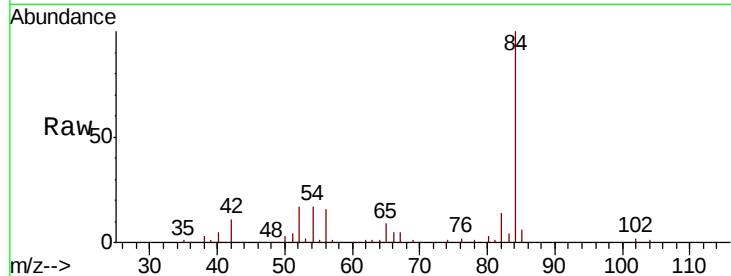




#27
 1,2-Dichloroethane
 Concen: 0.093 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU040757.D
 Acq: 16 Oct 2020 19:01

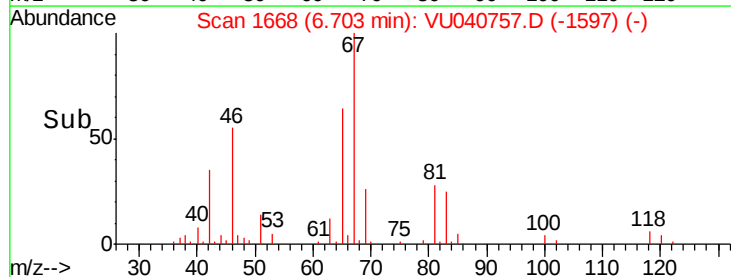
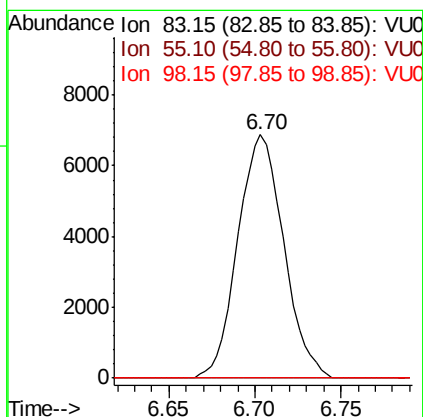
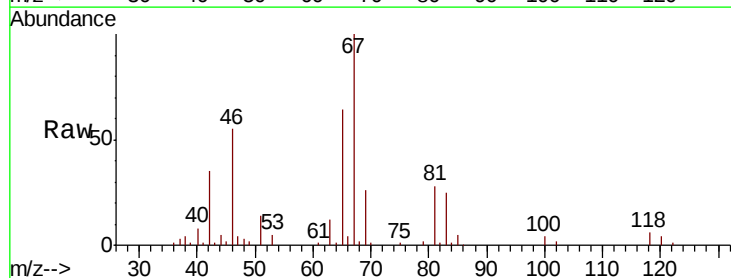
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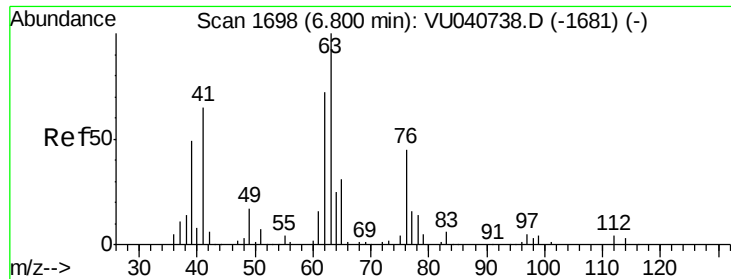
Tot Ion: 62 Resp: 1146
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.954 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040757.D
 Acq: 16 Oct 2020 19:01

Tgt Ion: 83 Resp: 12767
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 0.0 38.4 57.6#

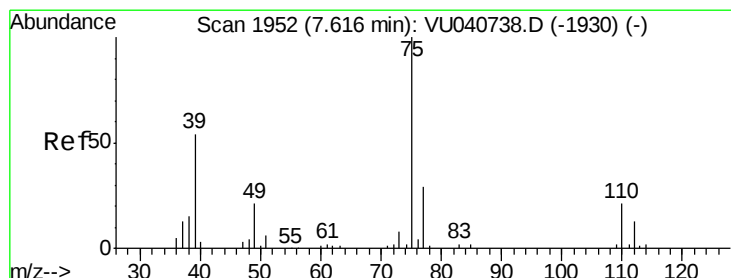
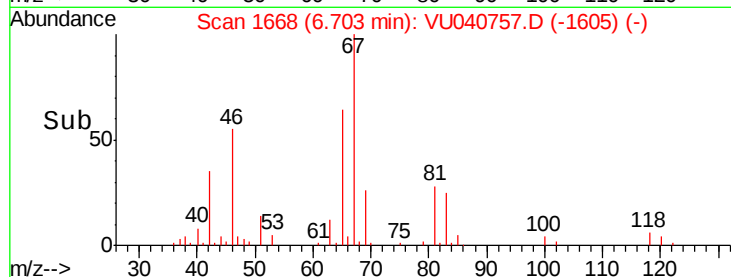
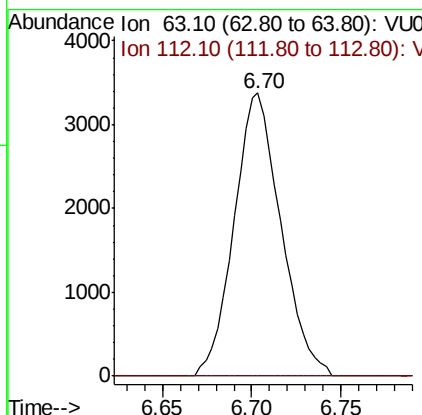
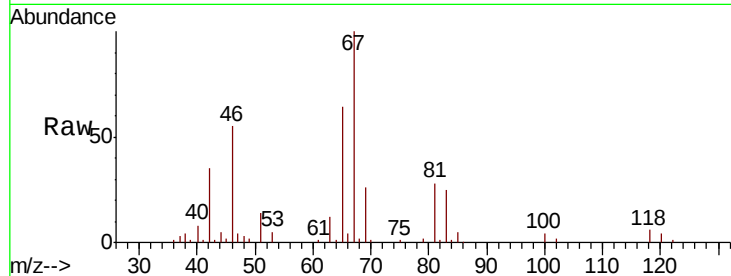




#37
 1,2-Dichloropropane
 Concen: 0.610 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040757.D
 Acq: 16 Oct 2020 19:01

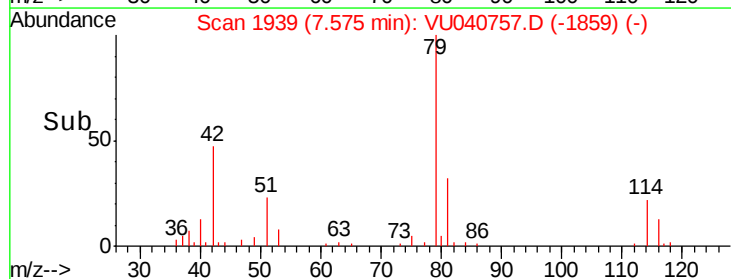
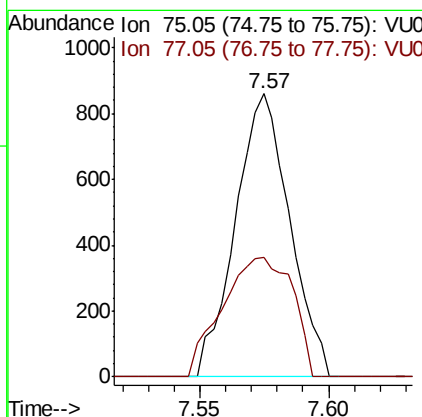
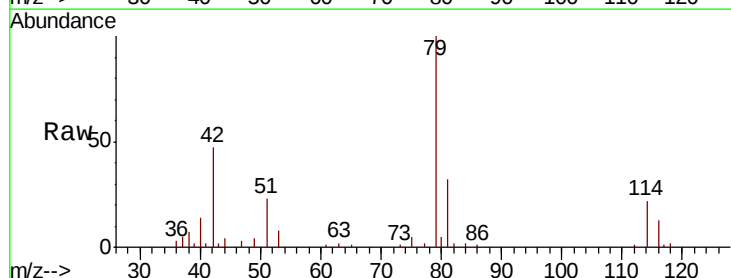
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ20

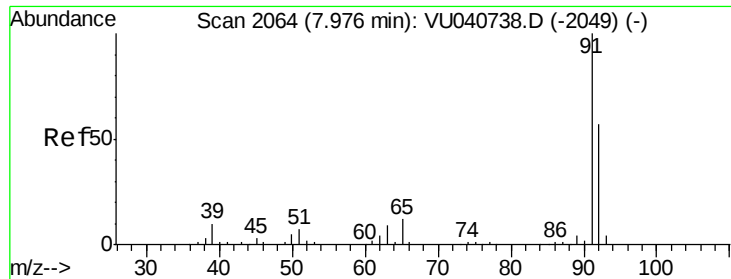
Tot Ion: 63 Resp: 6183
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040757.D
 Acq: 16 Oct 2020 19:01

Tgt Ion: 75 Resp: 1266
 Ion Ratio Lower Upper
 75 100
 77 42.4 20.5 38.1#





#42

Toluene

Concen: 0.047 ug/L

RT: 7.97 min Scan# 2062

Delta R.T. -0.01 min

Lab File: VU040757.D

Acq: 16 Oct 2020 19:01

Instrument :

MSVOA_U

ClientSampleId :

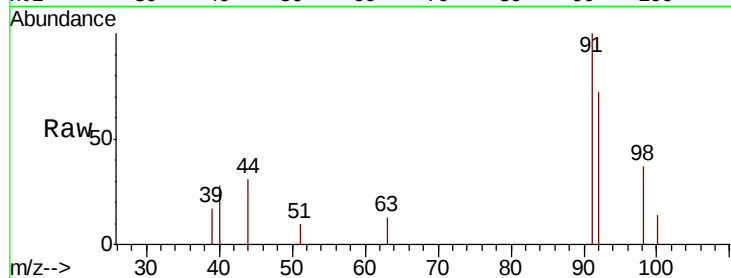
ETZ20

Tot Ion: 91 Resp: 1736

Ion Ratio Lower Upper

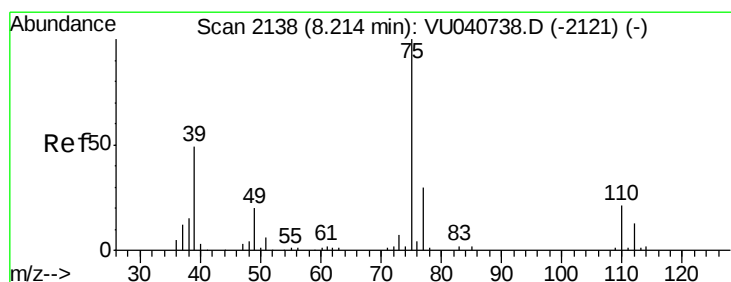
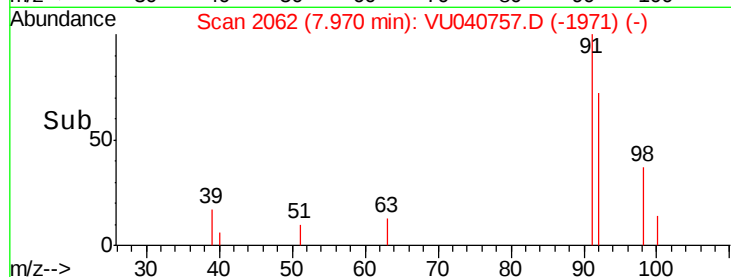
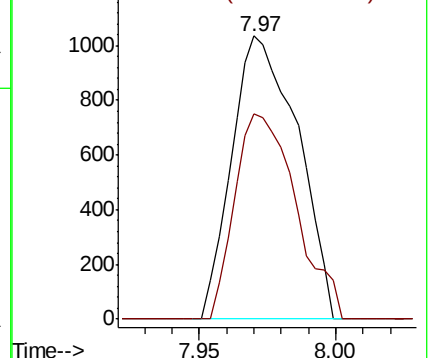
91 100

92 72.5 40.2 74.6



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: 0.068 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040757.D

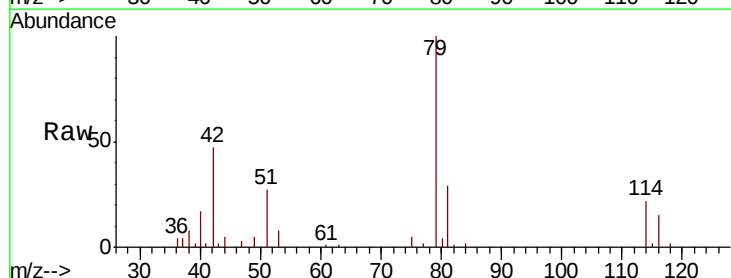
Acq: 16 Oct 2020 19:01

Tgt Ion: 75 Resp: 870

Ion Ratio Lower Upper

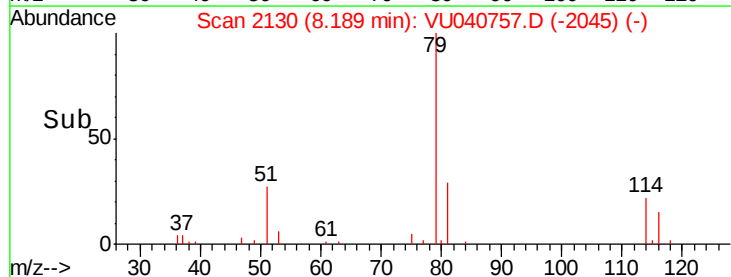
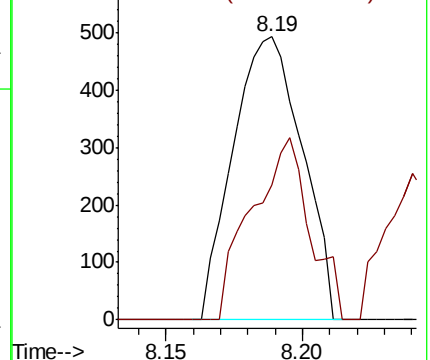
75 100

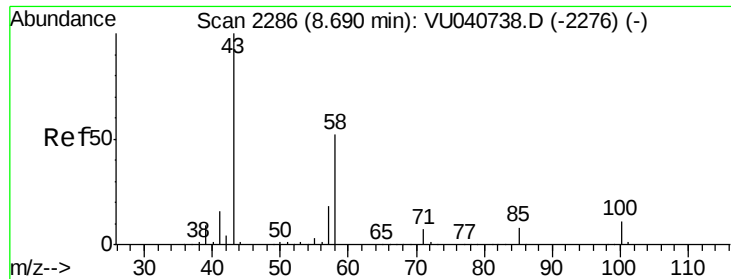
77 47.7 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

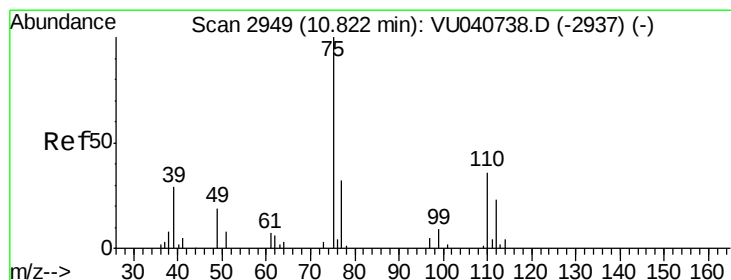
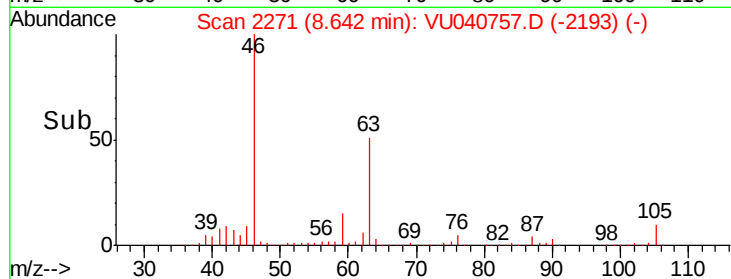
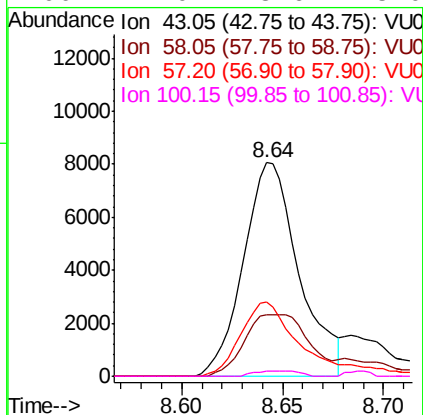
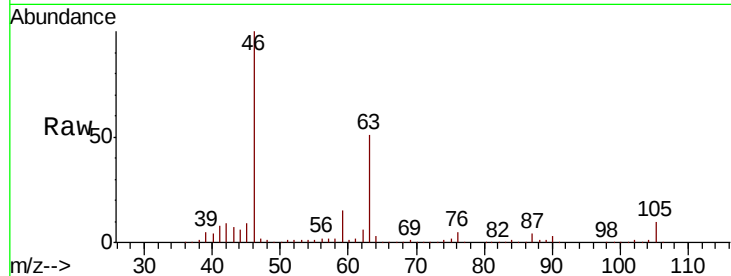




#48
 2-Hexanone
 Concen: 2.581 ug/L
 RT: 8.64 min Scan# 2271
 Delta R.T. -0.05 min
 Lab File: VU040757.D
 Acq: 16 Oct 2020 19:01

Instrument :
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 ClientSampleId :
 ETZ20

Tot Ion:	43	Resp:	15539
Ion	Ratio	Lower	Upper
43	100		
58	33.0	41.0	61.6#
57	38.5	14.4	21.6#
100	2.0	8.6	13.0#



#59
 1,2,3-Trichloropropane
 Concen: 0.844 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040757.D
 Acq: 16 Oct 2020 19:01

Tgt Ion:	75	Resp:	6291
Ion	Ratio	Lower	Upper
75	100		
77	40.4	26.4	39.6#

