

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040785.D
 Acq On : 18 Oct 2020 00:41
 Operator : SY/MD
 Sample : L4354-17MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ35MSD

Quant Time: Oct 19 05:20:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125520	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35884	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.93	69	34056	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.58	63	79446	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.67	46	184983	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	5.08	84	81563	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.72	65	52933	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	146722	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	50505	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.91	98	111276	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	8.19	79	19141	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.64	63	121246	48.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49834	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47157	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

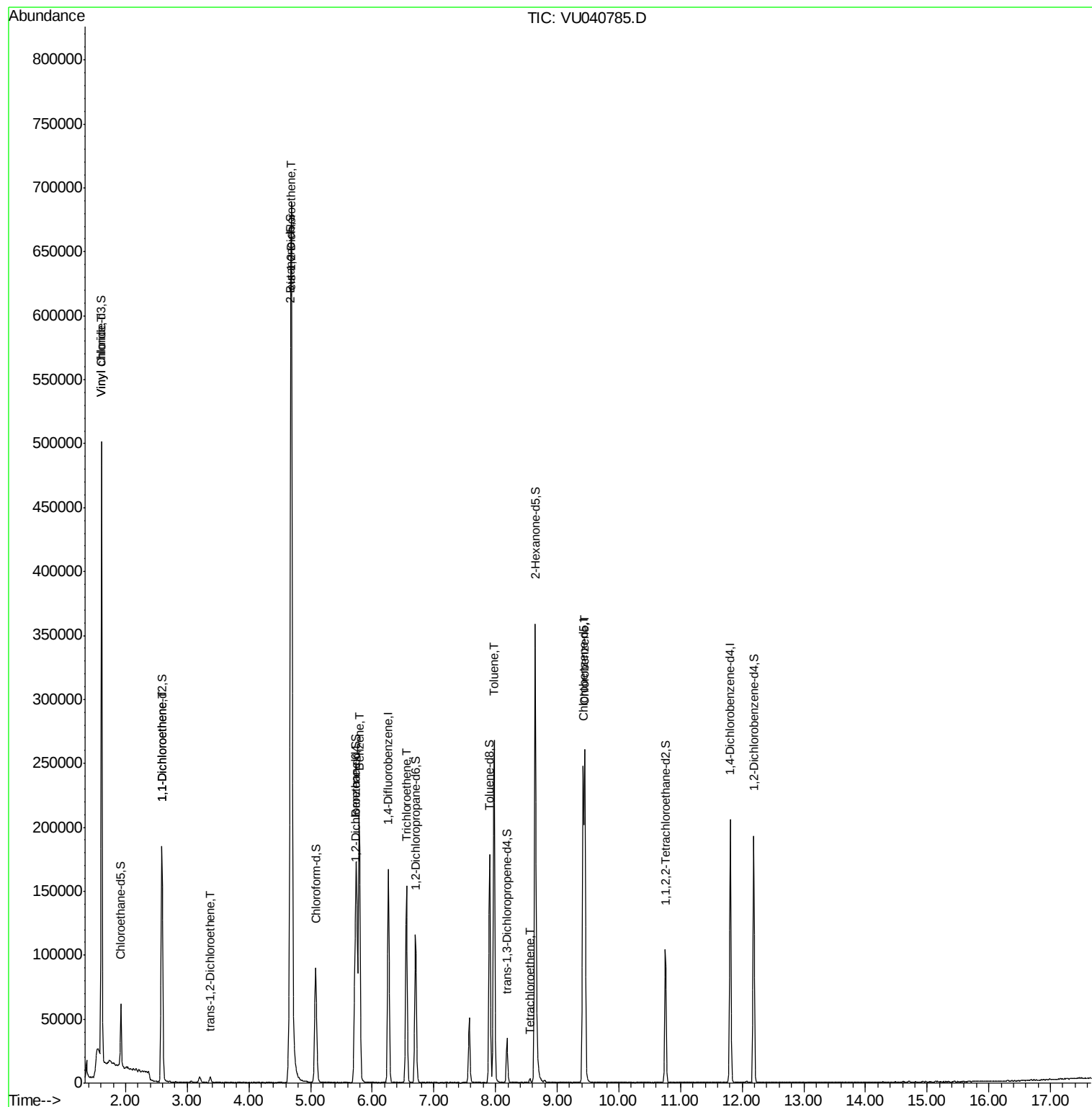
					Ovalue
5) Vinyl chloride	1.61	62	286394	25.570 ug/L	96
12) 1,1-Dichloroethene	2.59	96	43172	4.820 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	1625	0.173 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	318076	31.461 ug/L	95
33) Benzene	5.79	78	189078	4.624 ug/L	100
34) Trichloroethene	6.56	95	51347	4.845 ug/L	99
42) Toluene	7.98	91	182975	4.391 ug/L	99
47) Tetrachloroethene	8.56	164	739	0.098 ug/L #	81
51) Chlorobenzene	9.45	112	128372	4.677 ug/L	100

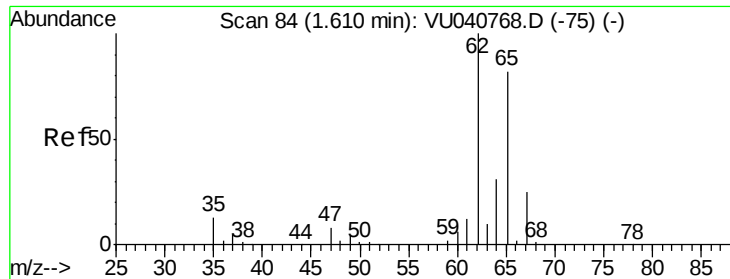
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 19 03:08:11 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 25.570 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Instrument :

MSVOA_U

ClientSampleId :

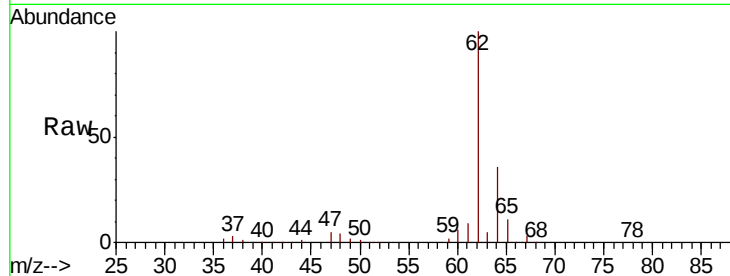
ETZ35MSD

Tot Ion: 62 Resp: 286394

Ion Ratio Lower Upper

62 100

64 36.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040785.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU040785.D (-1) (-)

1.61

250000

200000

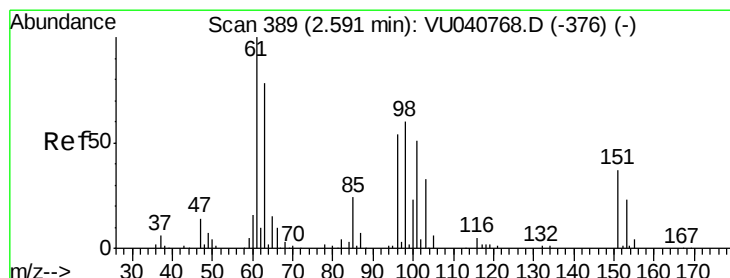
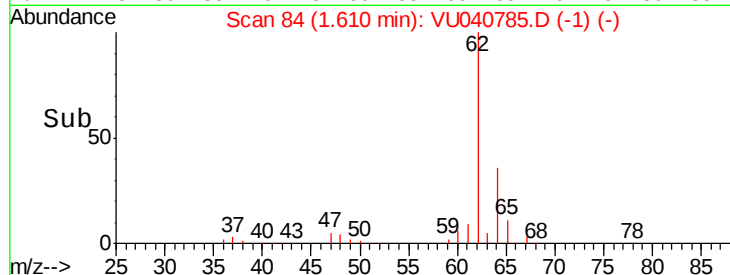
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 4.820 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

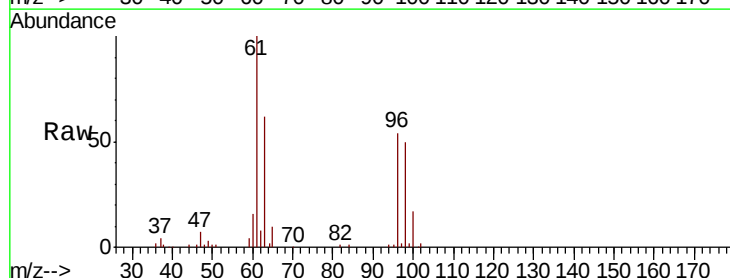
Tgt Ion: 96 Resp: 43172

Ion Ratio Lower Upper

96 100

61 186.1 128.8 239.2

63 115.1 84.6 157.2



Abundance Ion 96.00 (95.70 to 96.70): VU040785.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040785.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040785.D (-296) (-)

2.59

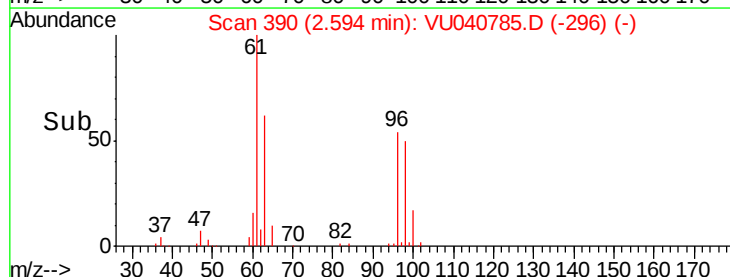
60000

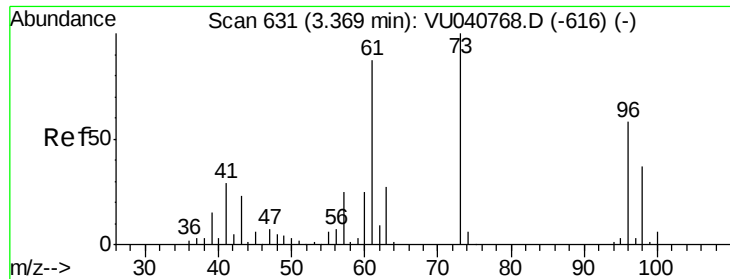
40000

20000

0

Time-->

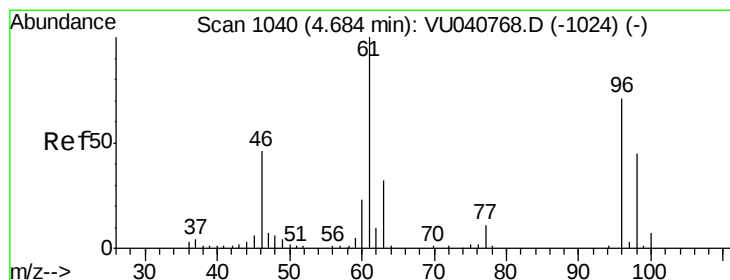
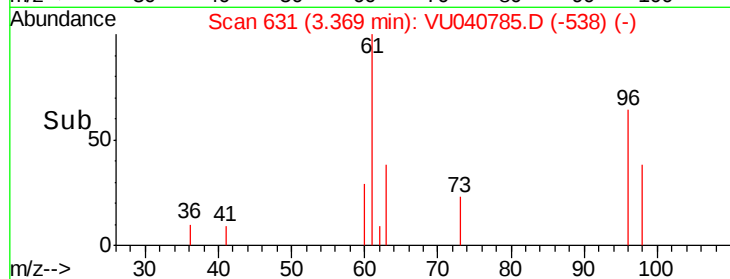
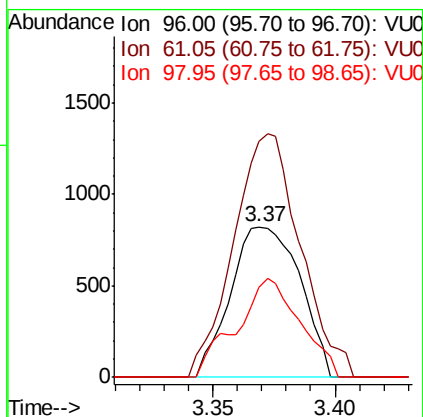
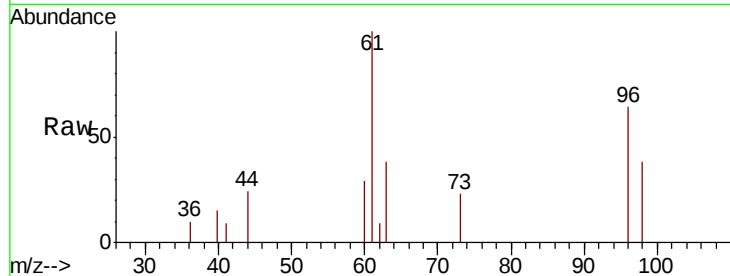




#18
 trans-1,2-Dichloroethene
 Concen: 0.173 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040785.D
 Acq: 18 Oct 2020 00:41

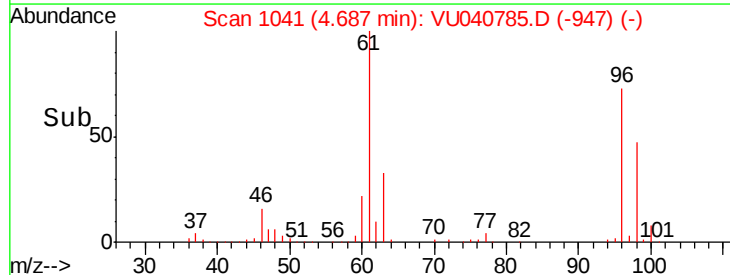
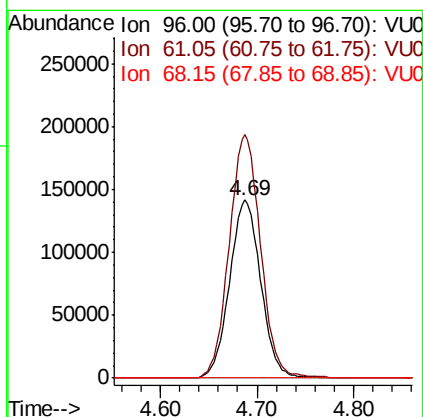
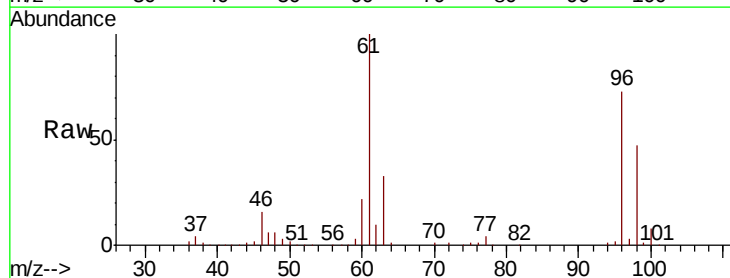
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ35MSD

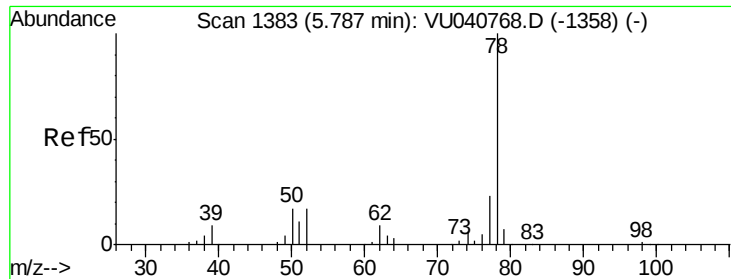
Tot Ion: 96 Resp: 1625
 Ion Ratio Lower Upper
 96 100
 61 157.1 105.9 196.7
 98 59.9 43.8 81.3



#22
 cis-1,2-Dichloroethene
 Concen: 31.461 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040785.D
 Acq: 18 Oct 2020 00:41

Tgt Ion: 96 Resp: 318076
 Ion Ratio Lower Upper
 96 100
 61 136.6 99.8 185.4
 68 0.0 0.0 0.0





#33

Benzene

Concen: 4.624 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

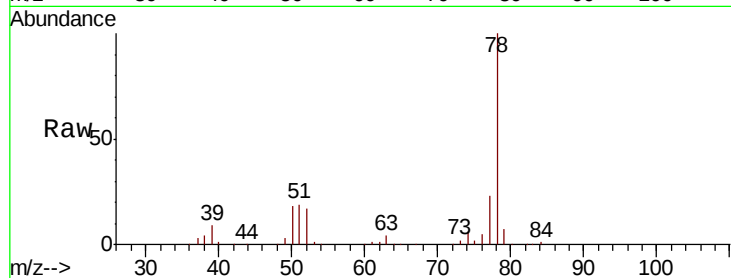
Instrument :

MSVOA_U

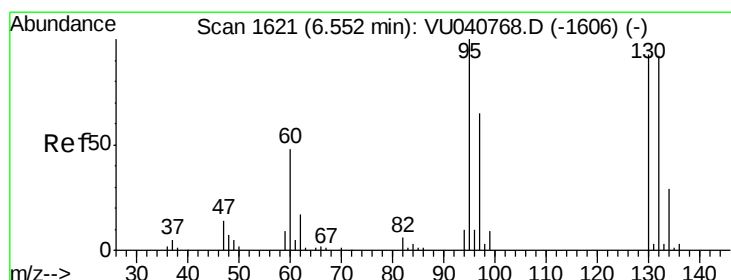
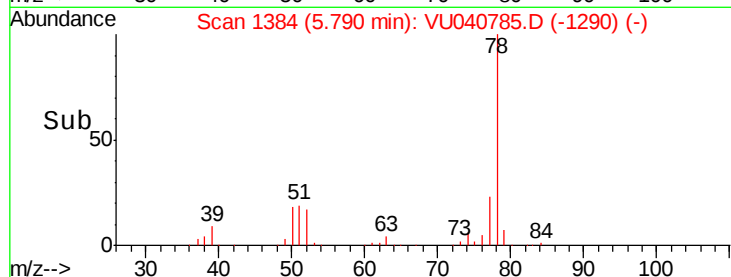
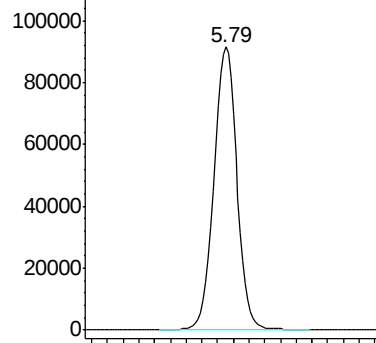
ClientSampleId :

ETZ35MSD

Tgt Ion: 78 Resp: 189078



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.845 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Tgt Ion: 95 Resp: 51347

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.5	84.5
132	94.7	67.5	125.4
130	98.2	69.9	129.9

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

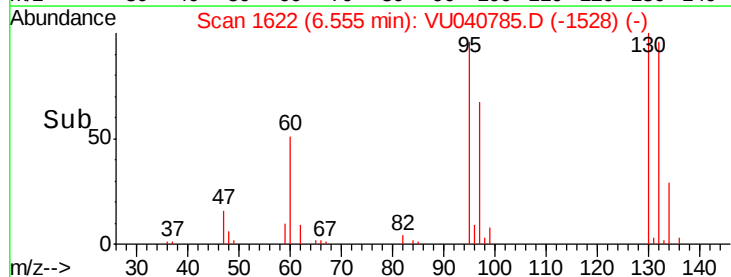
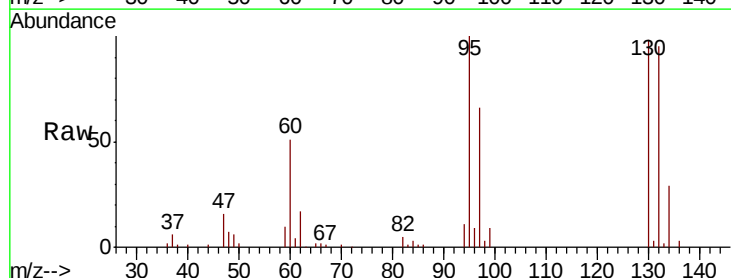
Ion 129.95 (129.65 to 130.65): V

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



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

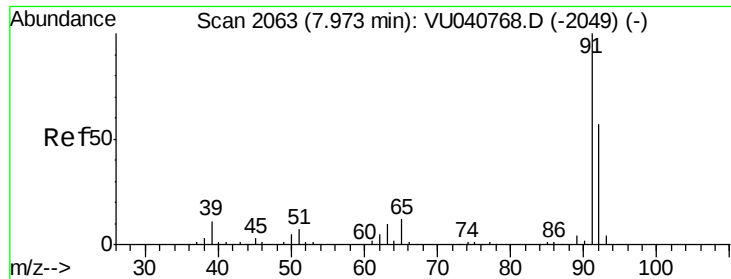
Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#42

Toluene

Concen: 4.391 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Instrument :

MSVOA_U

ClientSampleId :

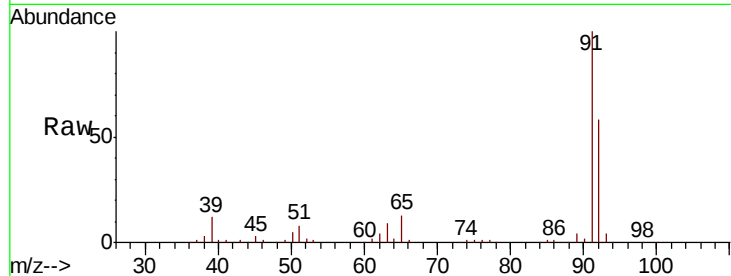
ETZ35MSD

Tot Ion: 91 Resp: 182975

Ion Ratio Lower Upper

91 100

92 58.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040768.D (-2049) (-)

7.98

120000

100000

80000

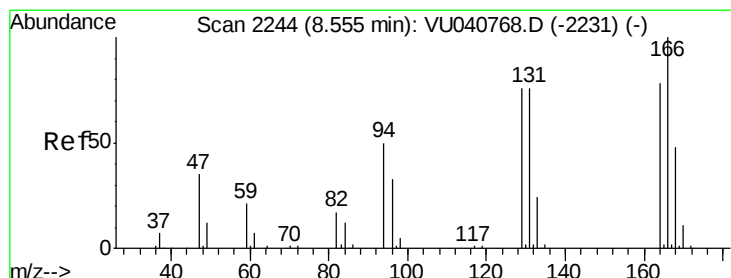
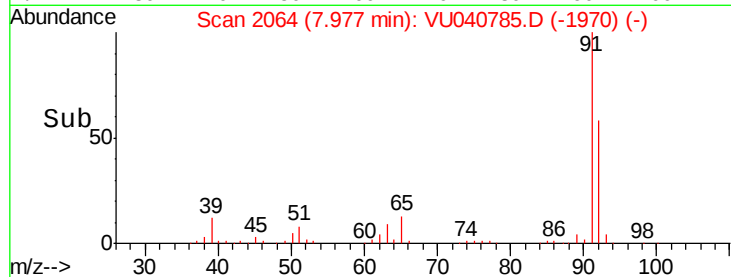
60000

40000

20000

0

Time-->



#47

Tetrachloroethene

Concen: 0.098 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040785.D

Acq: 18 Oct 2020 00:41

Tgt Ion: 164 Resp: 739

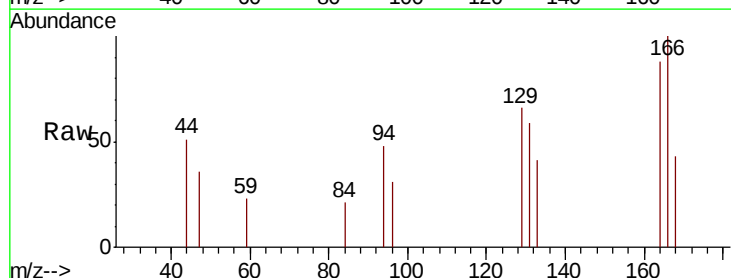
Ion Ratio Lower Upper

164 100

129 75.2 68.8 127.8

131 66.6 66.7 123.9#

166 113.4 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040768.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040768.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040768.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040768.D (-2231) (-)

1000

800

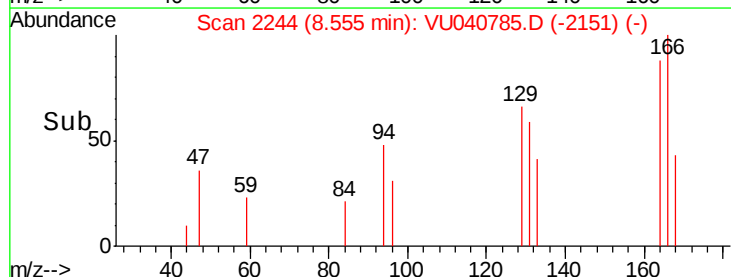
600

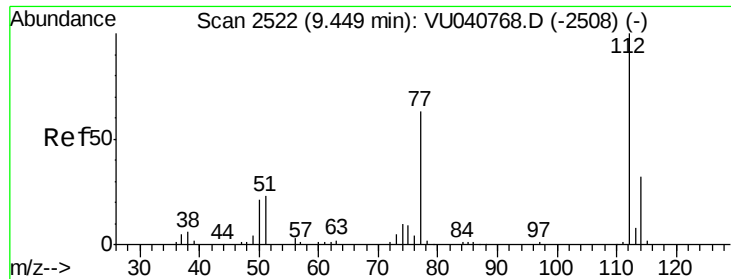
400

200

0

Time-->





#51
 Chlorobenzene
 Concen: 4.677 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040785.D
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Instrument :
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 ClientSampleId :
 ETZ35MSD

Tot Ion:	112	Resp:	128372
Ion	Ratio	Lower	Upper
112	100		
114	32.8	23.1	42.9
77	62.8	50.3	75.5

