

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052920\
 Data File : VU038373.D
 Acq On : 29 May 2020 11:58
 Operator : JC/MD
 Sample : L2756-07 400X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW9

Quant Time: May 29 17:04:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 16:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	636814	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	615956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	302667	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	191622	47.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.86%
7) Chloroethane-d5	1.93	69	154440	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.59	63	299103	36.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.22%
21) 2-Butanone-d5	4.66	46	388372	102.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.25%
24) Chloroform-d	5.10	84	376086	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
26) 1,2-Dichloroethane-d4	5.74	65	258274	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
32) Benzene-d6	5.76	84	787181	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	6.72	67	240909	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.12%
41) Toluene-d8	7.93	98	699239	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%
43) trans-1,3-Dichloropropene-	8.20	79	115565	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.58%
47) 2-Hexanone-d5	8.66	63	288515	110.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.45%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	342693	46.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.34%
64) 1,2-Dichlorobenzene-d4	12.21	152	271051	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%

Target Compounds

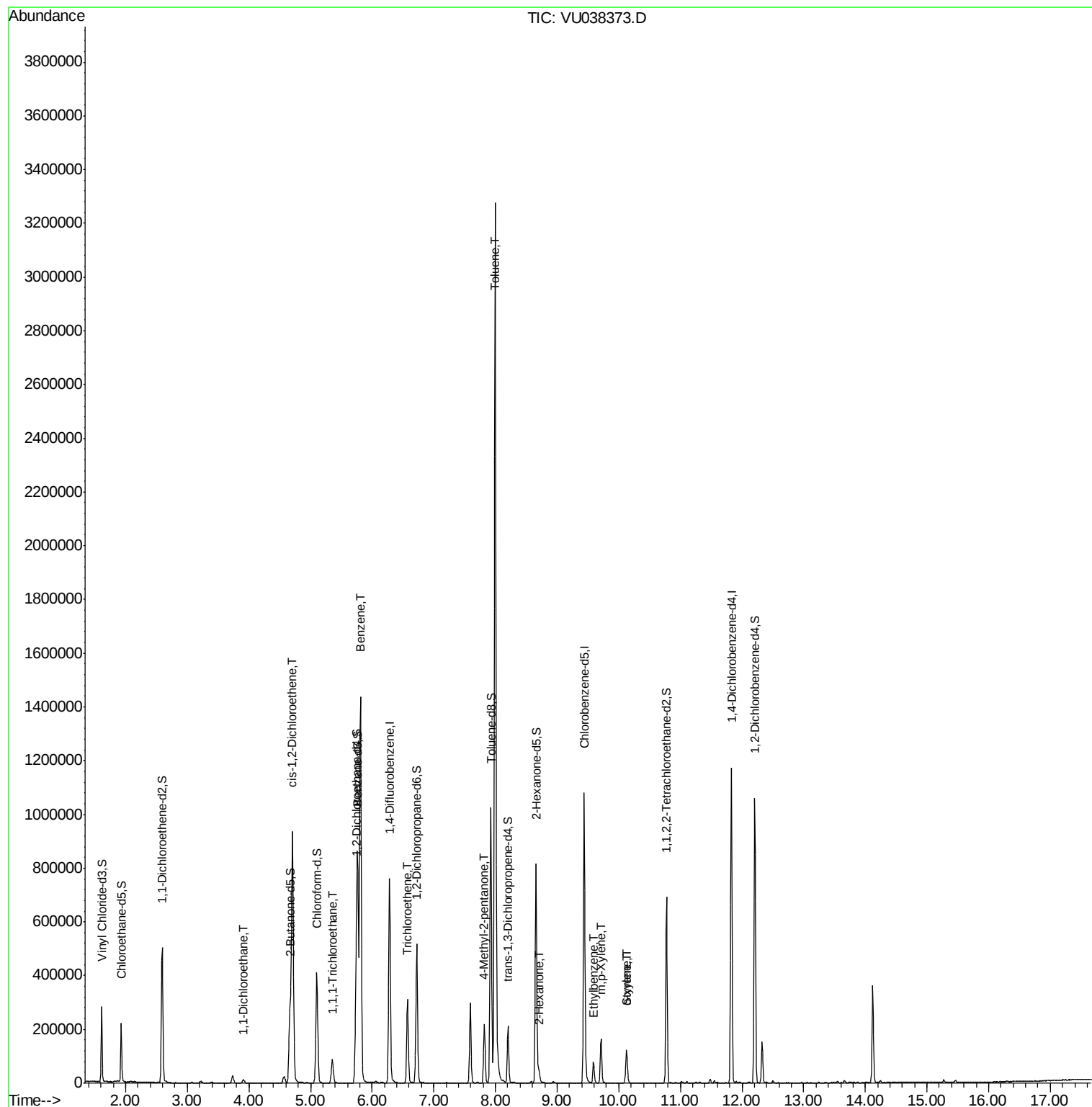
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) 1,1-Dichloroethane	3.91	63	15169	1.93	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	469802	103.41	ug/L	96
30) 1,1,1-Trichloroethane	5.35	97	65205	9.74	ug/L	99
33) Benzene	5.81	78	1345973	77.80	ug/L	100
34) Trichloroethene	6.57	95	105359	23.80	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	141964	19.90	ug/L	99
42) Toluene	8.00	91	2452872	135.05	ug/L	99
48) 2-Hexanone	8.71	43	25808	4.28	ug/L	93
52) Ethylbenzene	9.59	91	58145	2.86	ug/L	99
53) m,p-Xylene	9.71	106	47903	6.16	ug/L	94
54) o-xylene	10.12	106	21037	2.78	ug/L	96
55) Styrene	10.13	104	39548	3.04	ug/L	96

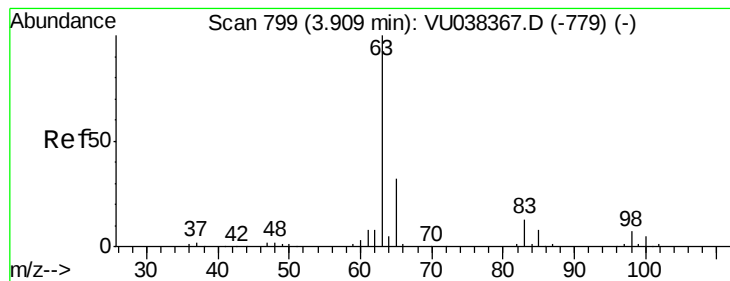
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#19

1,1-Dichloroethane

Concen: 1.93 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038373.D

Acq: 29 May 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

ETKW9

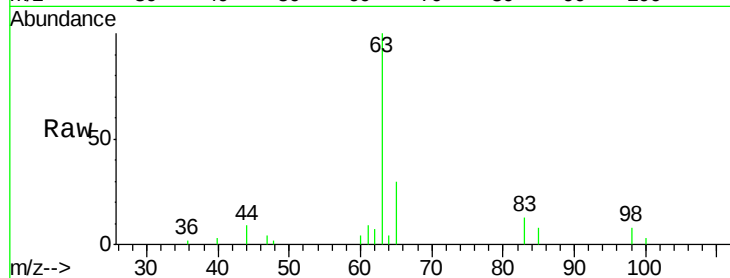
Tgt Ion: 63 Resp: 15169

Ion Ratio Lower Upper

63 100

65 30.3 22.2 41.2

83 13.2 9.4 17.4

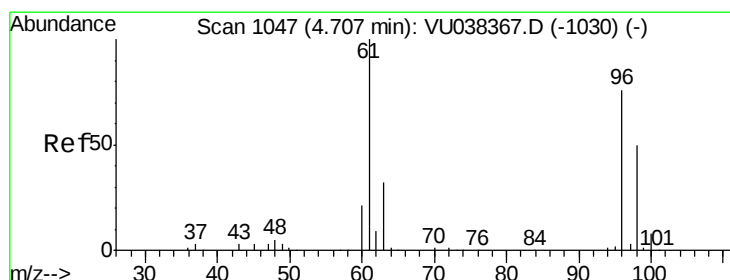
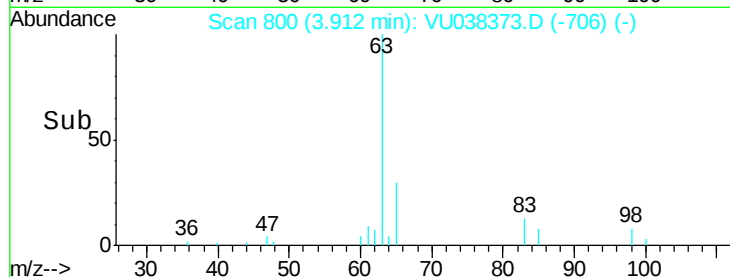


Abundance Ion 63.00 (62.70 to 63.70): VU038373.D (-800) (-)

Ion 65.00 (64.70 to 65.70): VU038373.D (-800) (-)

Ion 83.00 (82.70 to 83.70): VU038373.D (-800) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 103.41 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038373.D

Acq: 29 May 2020 11:58

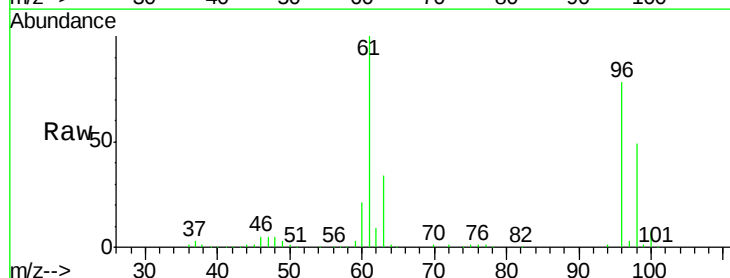
Tgt Ion: 96 Resp: 469802

Ion Ratio Lower Upper

96 100

61 128.2 93.4 173.4

68 0.0 0.0 0.0

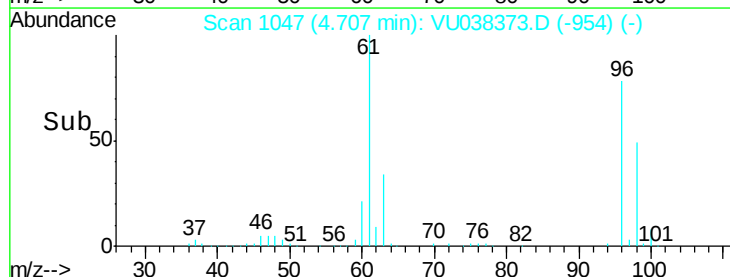


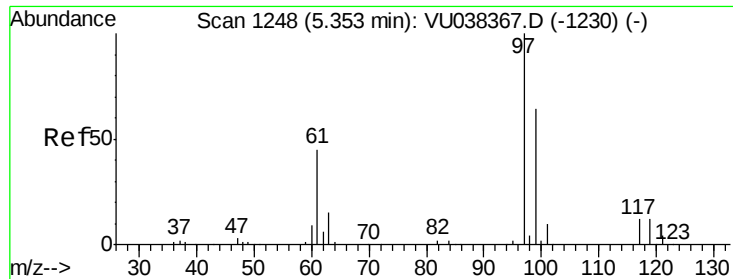
Abundance Ion 96.00 (95.70 to 96.70): VU038373.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU038373.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU038373.D (-1047) (-)

Time-->

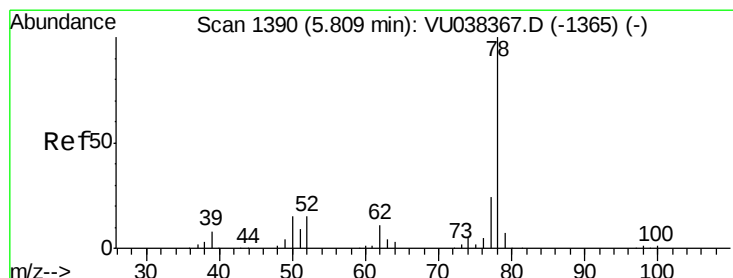
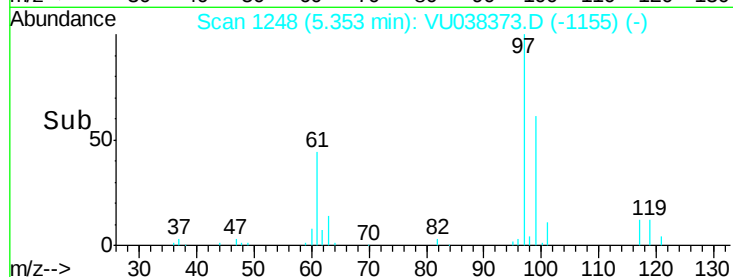
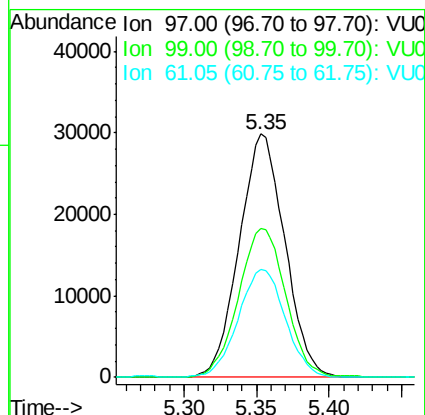
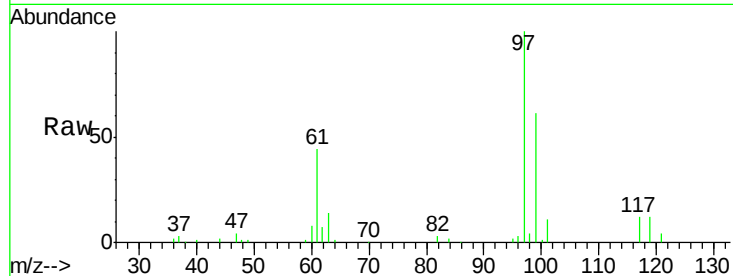




#30
 1,1,1-Trichloroethane
 Concen: 9.74 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038373.D
 Acq: 29 May 2020 11:58

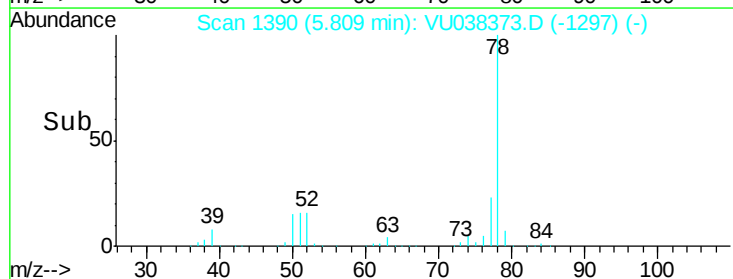
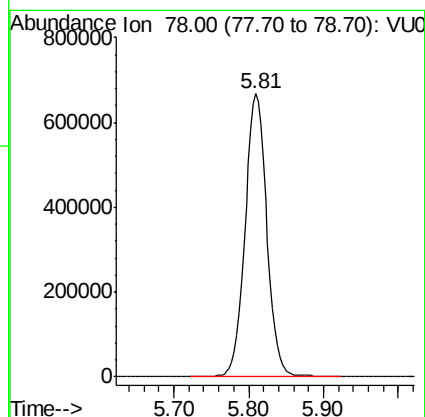
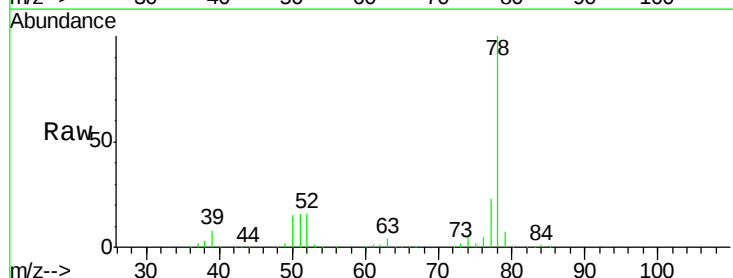
Instrument :
 MSVOA_U
 ClientSampled :
 ETKW9

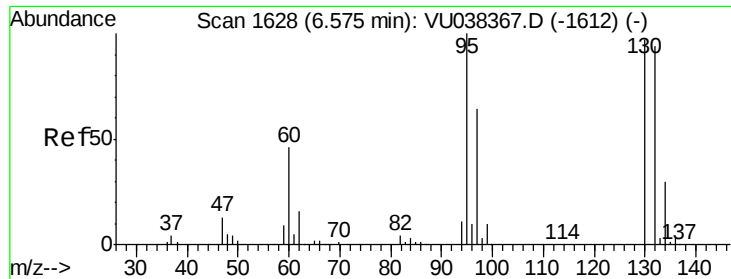
Tgt Ion: 97 Resp: 65205
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.2 76.8
 61 45.7 35.9 53.9



#33
 Benzene
 Concen: 77.80 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU038373.D
 Acq: 29 May 2020 11:58

Tgt Ion: 78 Resp: 1345973

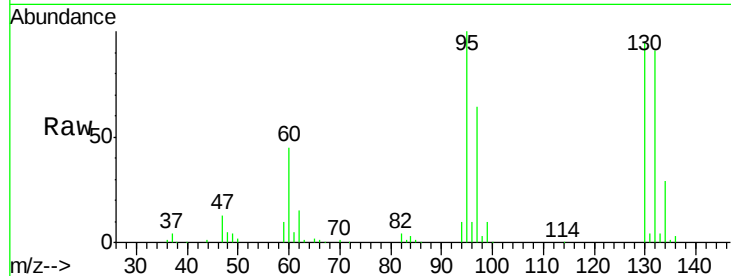




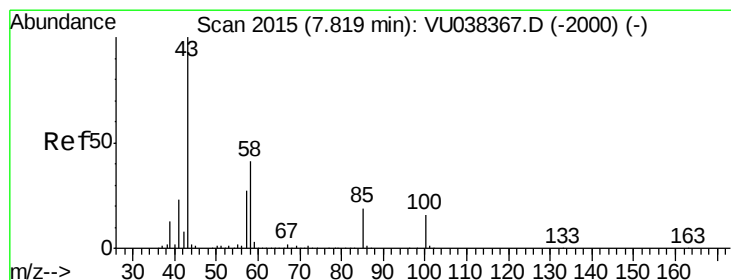
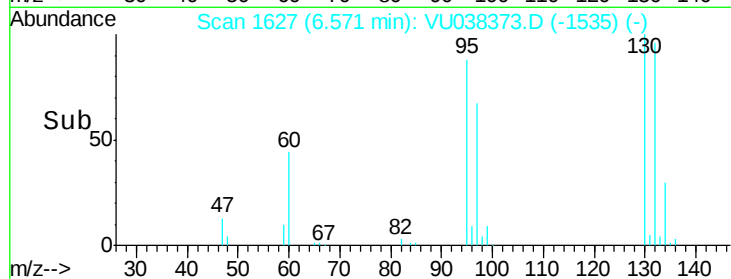
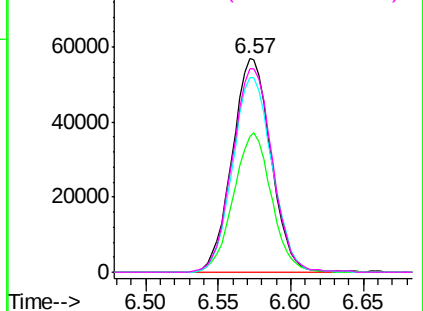
#34
 Trichloroethene
 Concen: 23.80 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038373.D
 Acq: 29 May 2020 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 ETKW9

Tgt Ion:	95	Resp:	105359
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.3	82.3
132	91.2	64.7	120.1
130	95.1	68.5	127.1

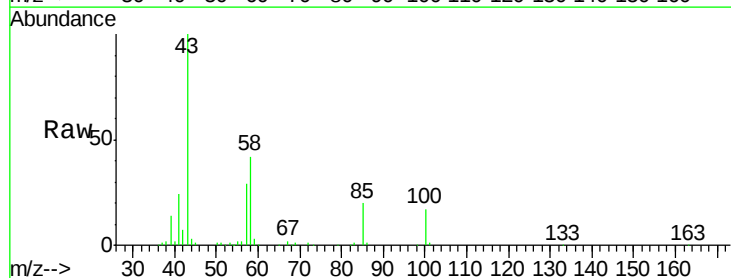


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

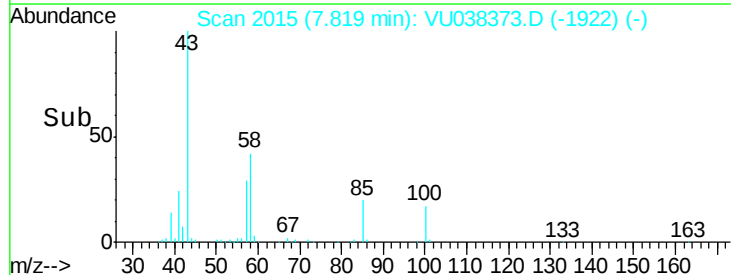
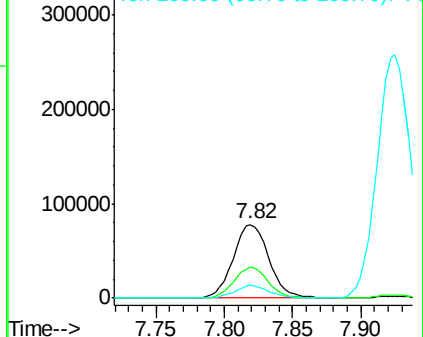


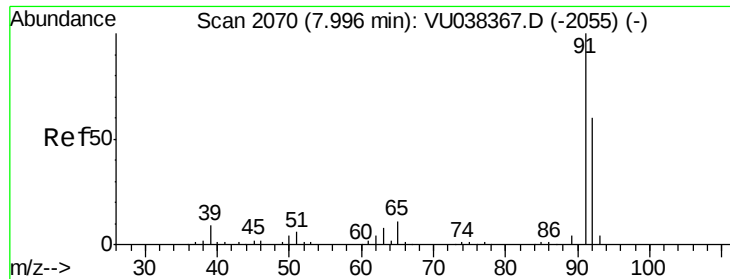
#40
 4-Methyl-2-pentanone
 Concen: 19.90 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038373.D
 Acq: 29 May 2020 11:58

Tgt Ion:	43	Resp:	141964
Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.6	48.8
100	16.4	12.9	19.3



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU





#42

Toluene

Concen: 135.05 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU038373.D

Acq: 29 May 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

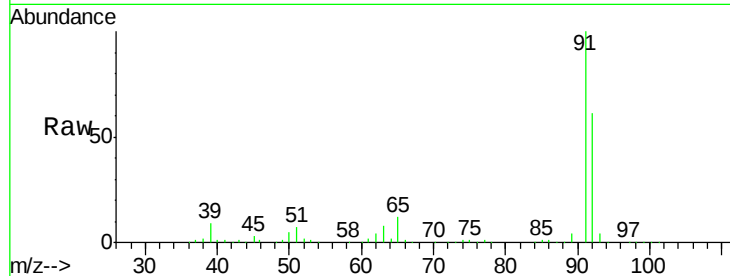
ETKW9

Tgt Ion: 91 Resp: 2452872

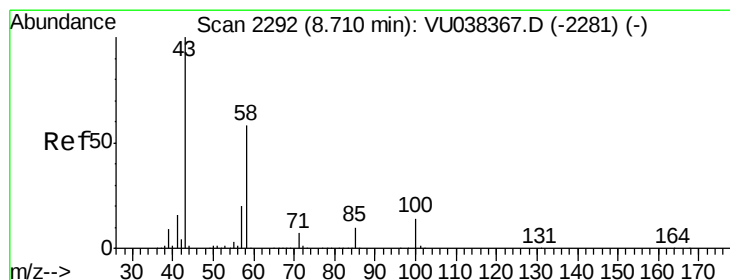
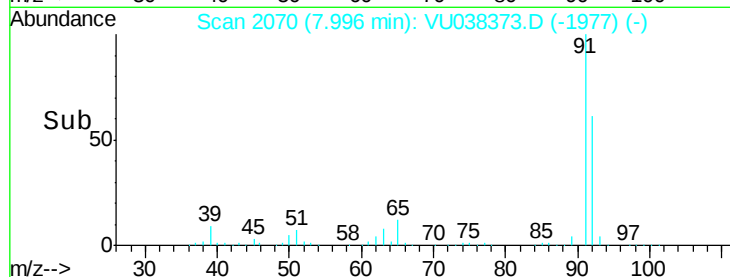
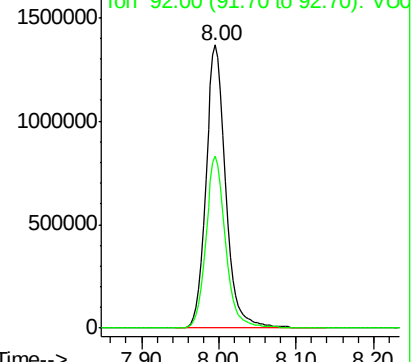
Ion Ratio Lower Upper

91 100

92 60.7 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038373.D (-1977) (-)



#48

2-Hexanone

Concen: 4.28 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU038373.D

Acq: 29 May 2020 11:58

Tgt Ion: 43 Resp: 25808

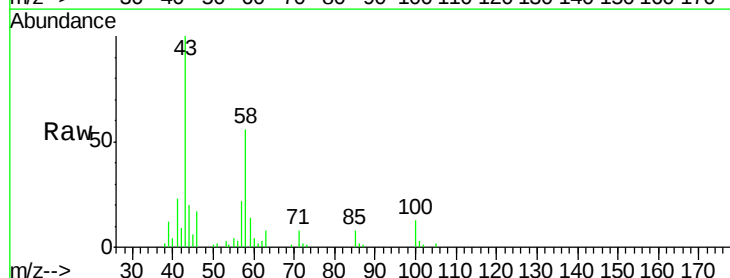
Ion Ratio Lower Upper

43 100

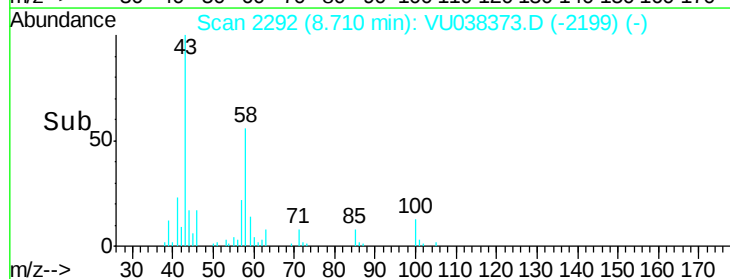
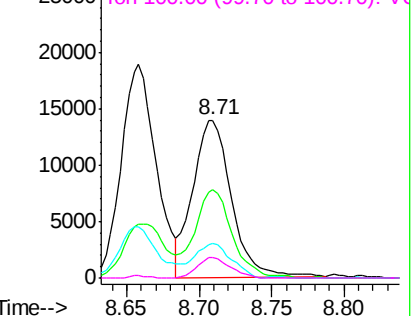
58 50.1 45.5 68.3

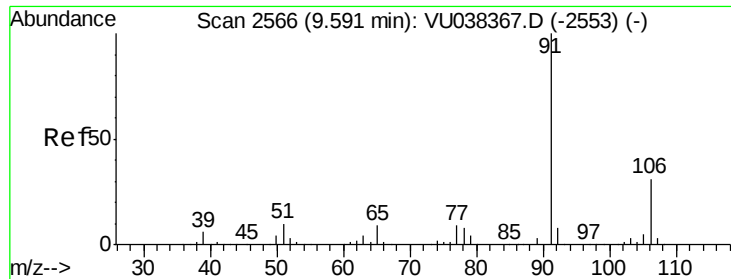
57 20.1 16.3 24.5

100 11.1 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VU038373.D (-2199) (-)





#52

Ethylbenzene

Concen: 2.86 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU038373.D

Acq: 29 May 2020 11:58

Instrument :

MSVOA_U

ClientSampleId :

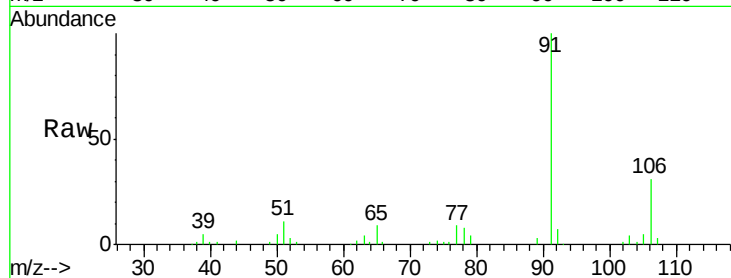
ETKW9

Tgt Ion: 91 Resp: 58145

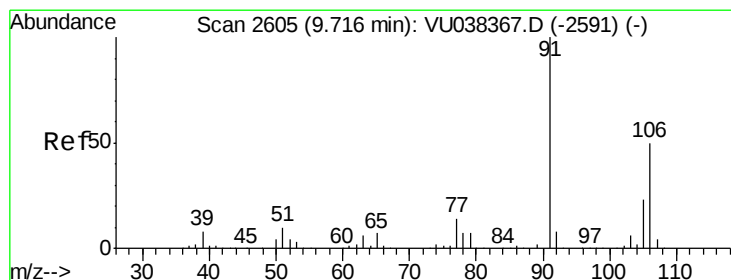
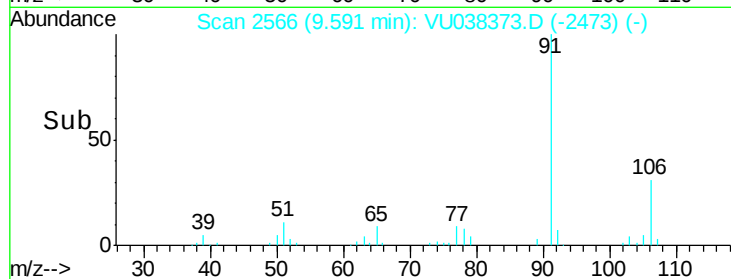
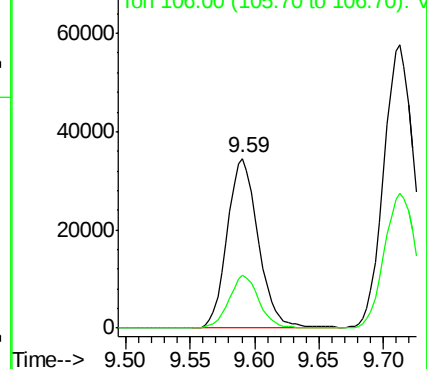
Ion Ratio Lower Upper

91 100

106 30.9 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038367.D (-2553) (-)



#53

m,p-Xylene

Concen: 6.16 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038373.D

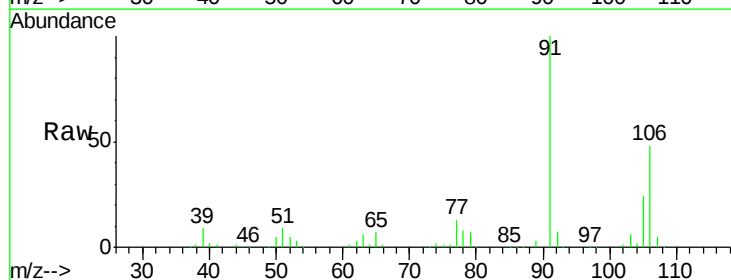
Acq: 29 May 2020 11:58

Tgt Ion: 106 Resp: 47903

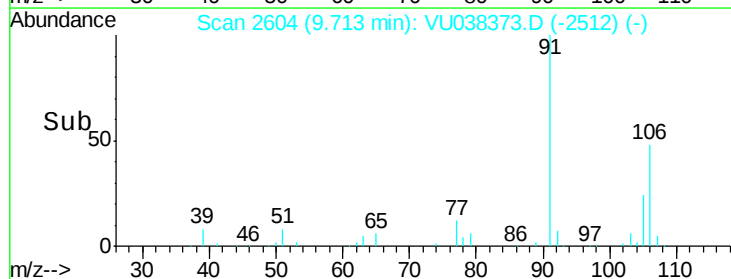
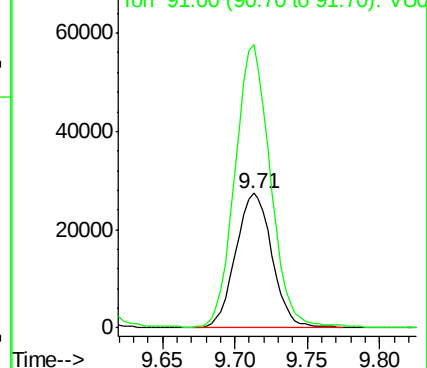
Ion Ratio Lower Upper

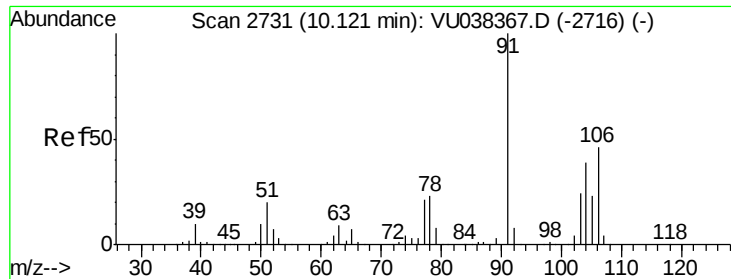
106 100

91 210.5 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038367.D (-2591) (-)





#54

o-xylene

Concen: 2.78 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU038373.D

Acq: 29 May 2020 11:58

Instrument :

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ClientSampleId :

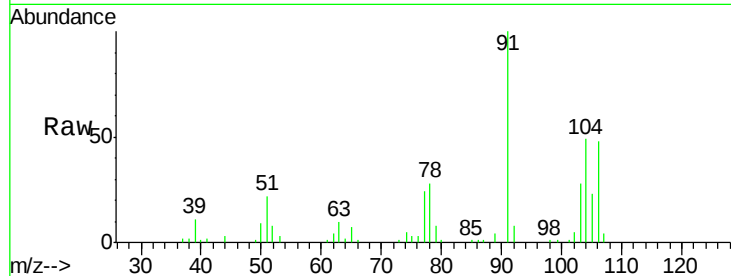
ETKW9

Tgt Ion:106 Resp: 21037

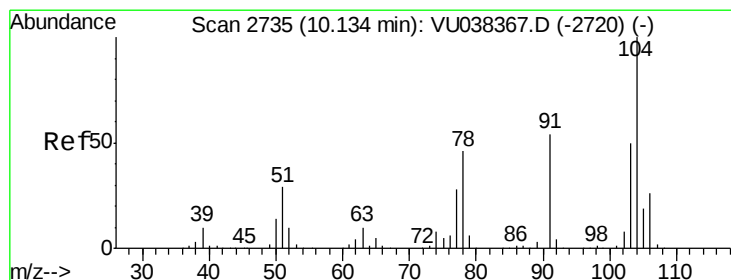
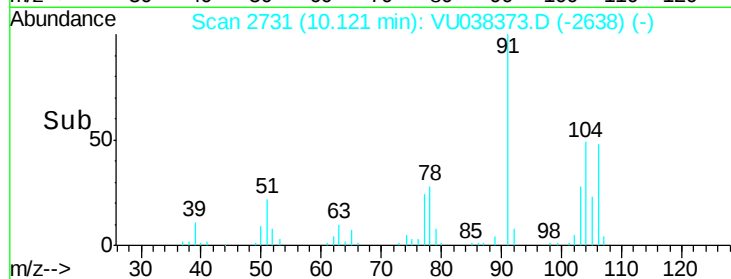
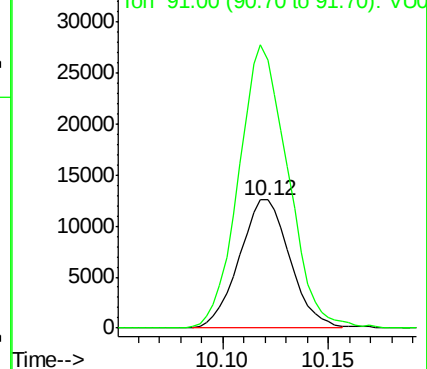
Ion Ratio Lower Upper

106 100

91 209.5 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 3.04 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU038373.D

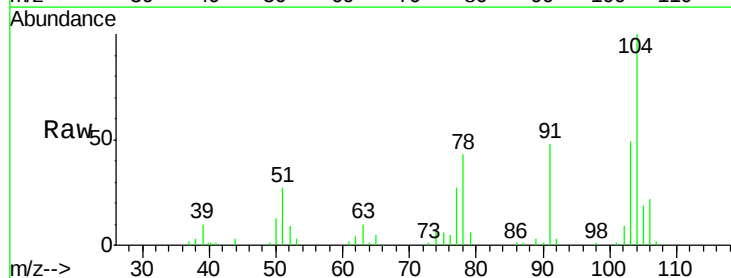
Acq: 29 May 2020 11:58

Tgt Ion:104 Resp: 39548

Ion Ratio Lower Upper

104 100

78 43.4 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

