

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038746.D
 Acq On : 10 Jun 2020 00:18
 Operator : SY/MD
 Sample : L2897-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW0K7

Quant Time: Jun 10 05:13:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 05:09:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	526543	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	523682	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	247319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	138713	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.30%
7) Chloroethane-d5	1.93	69	120301	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.42%
11) 1,1-Dichloroethene-d2	2.59	63	232042	36.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.38%
21) 2-Butanone-d5	4.66	46	321694	112.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.40%
24) Chloroform-d	5.10	84	328835	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.68%
26) 1,2-Dichloroethane-d4	5.74	65	223984	53.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.56%
32) Benzene-d6	5.76	84	654557	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.78%
36) 1,2-Dichloropropane-d6	6.72	67	204692	52.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.30%
41) Toluene-d8	7.92	98	567315	49.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.54%
43) trans-1,3-Dichloropropene-	8.20	79	94586	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.64%
47) 2-Hexanone-d5	8.65	63	232390	112.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.30%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	308069	53.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.24%
64) 1,2-Dichlorobenzene-d4	12.20	152	238111	55.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.90%

Target Compounds

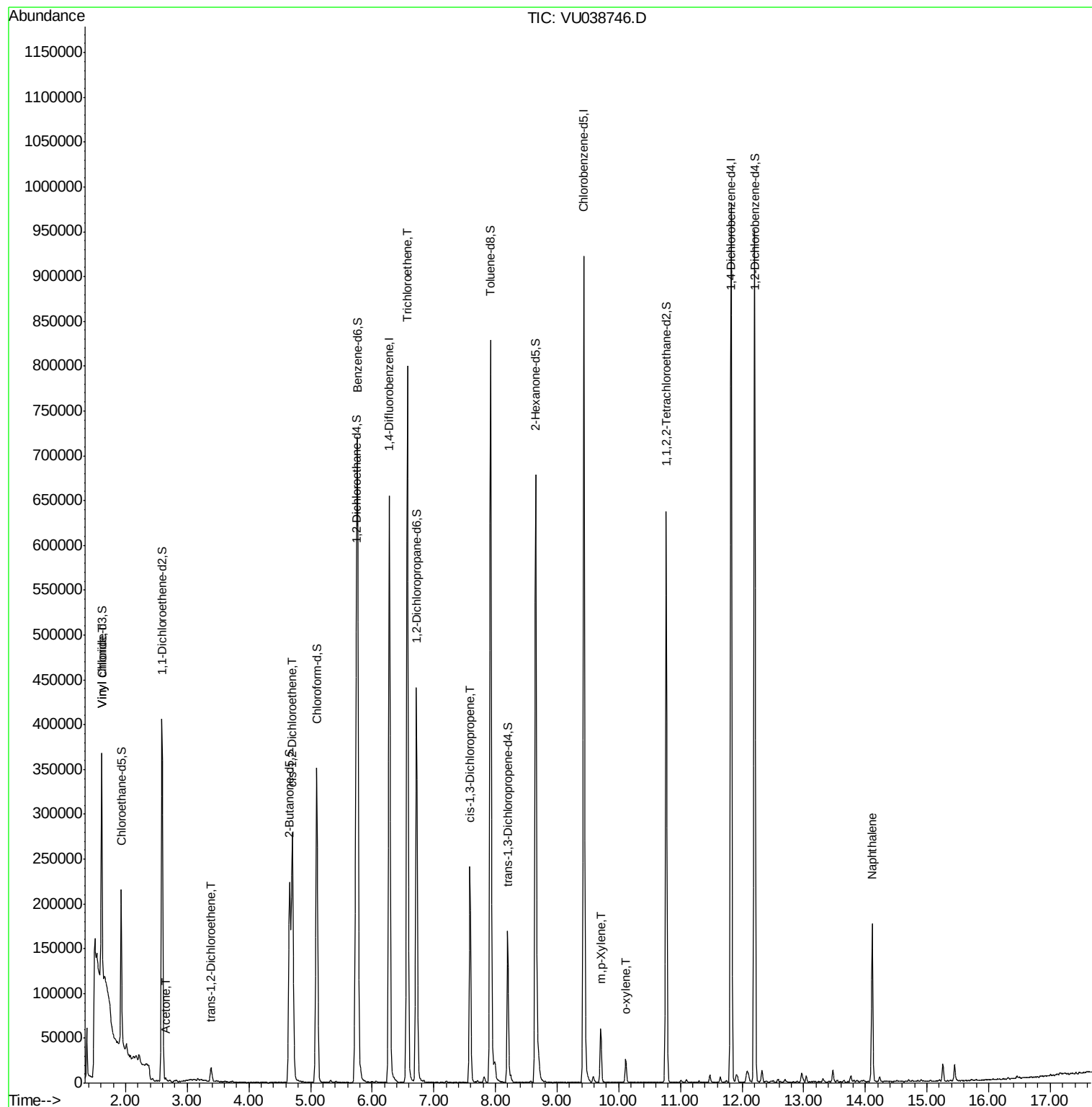
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	14875	3.531	ug/L #	1
13) Acetone	2.66	43	3716	1.611	ug/L	68
17) trans-1,2-Dichloroethene	3.39	96	6157	1.688	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	134466	33.353	ug/L	98
34) Trichloroethene	6.57	95	265466	67.120	ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	5884	0.941	ug/L #	62
53) m,p-Xylene	9.71	106	17963	2.608	ug/L	97
54) o-xylene	10.12	106	7226	1.081	ug/L	85
69) Naphthalene	14.11	128	136793	7.485	ug/L	100

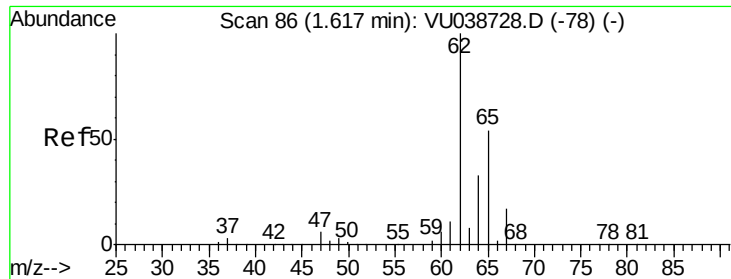
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.531 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038746.D

Acq: 10 Jun 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

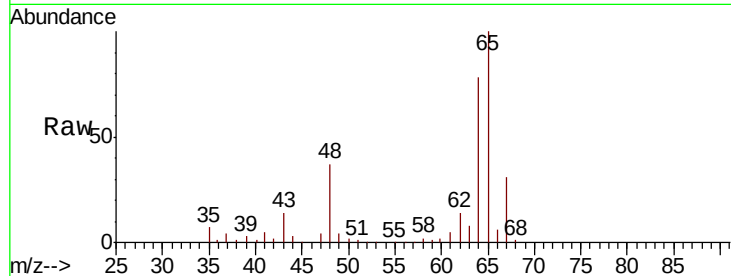
EW0K7

Tot Ion: 62 Resp: 14875

Ion Ratio Lower Upper

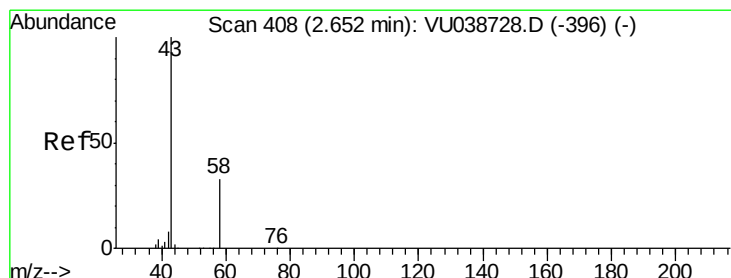
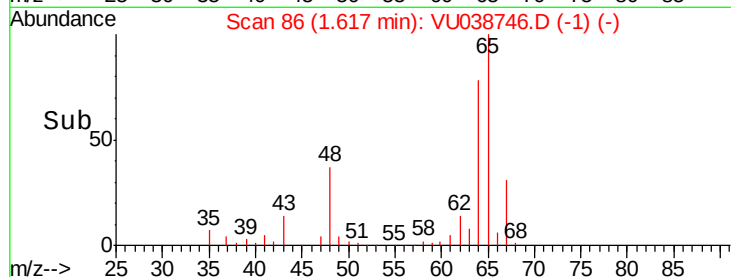
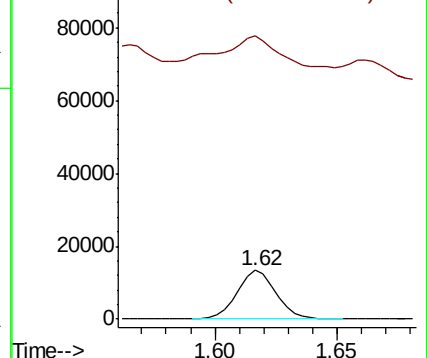
62 100

64 576.4 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 1.611 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038746.D

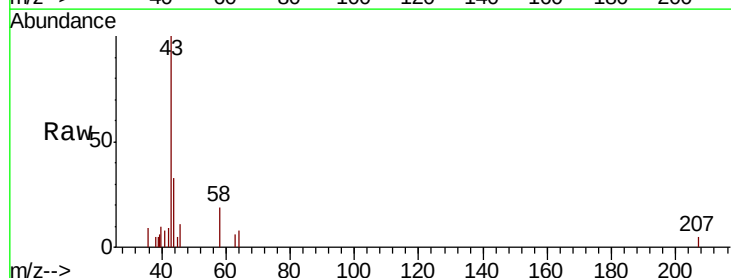
Acq: 10 Jun 2020 00:18

Tgt Ion: 43 Resp: 3716

Ion Ratio Lower Upper

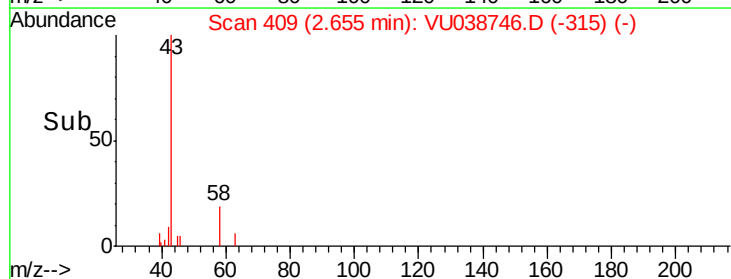
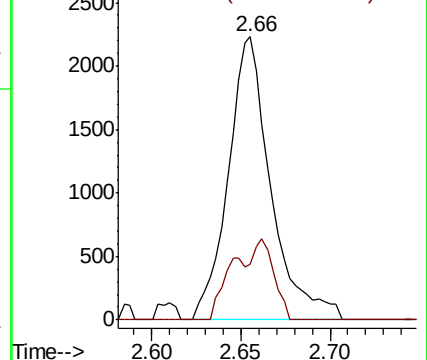
43 100

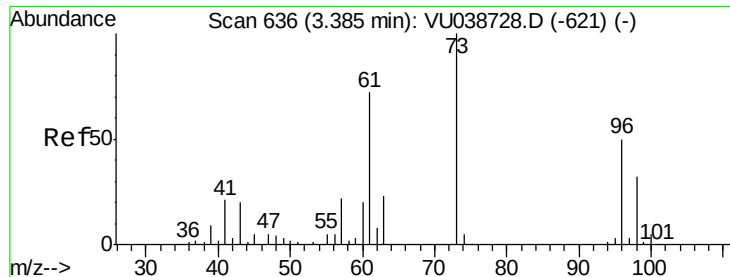
58 15.5 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

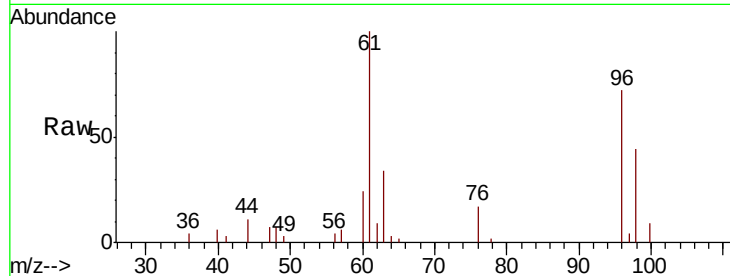




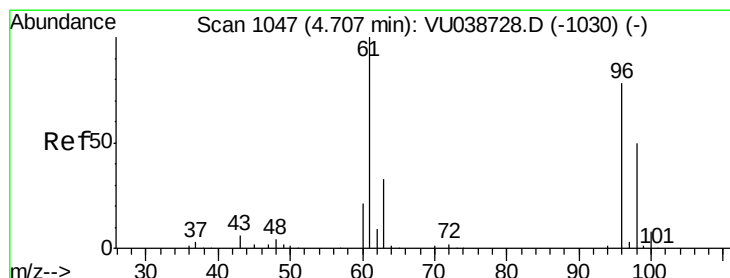
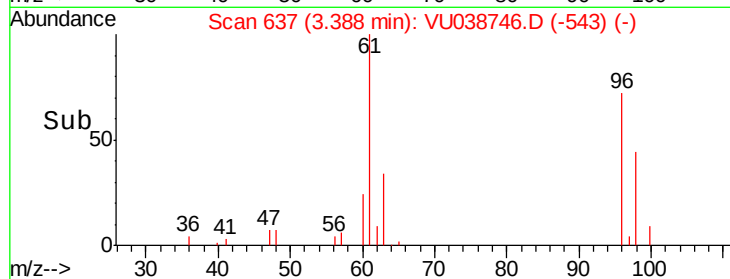
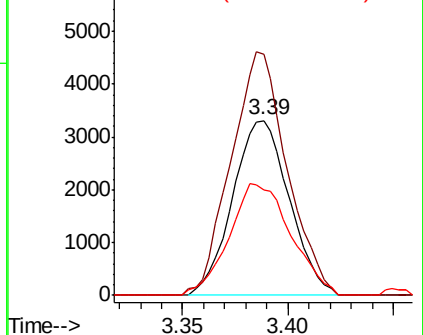
#17
trans-1,2-Dichloroethene
Concen: 1.688 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038746.D
Acq: 10 Jun 2020 00:18

Instrument :
MSVOA_U
ClientSampleId :
EW0K7

Tot Ion: 96 Resp: 6157
Ion Ratio Lower Upper
96 100
61 138.3 98.2 182.4
98 60.7 44.3 82.3

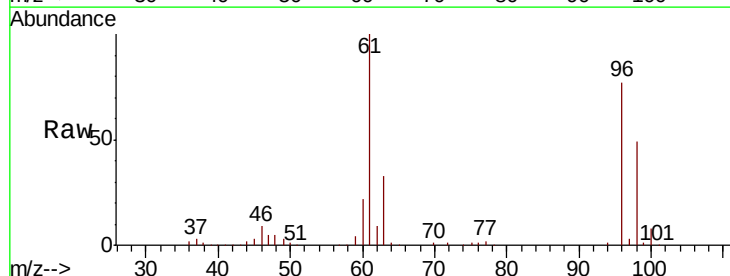


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

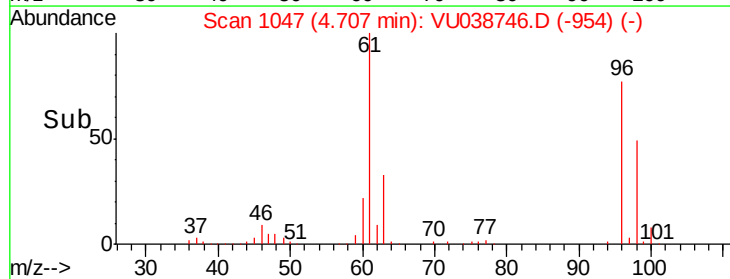
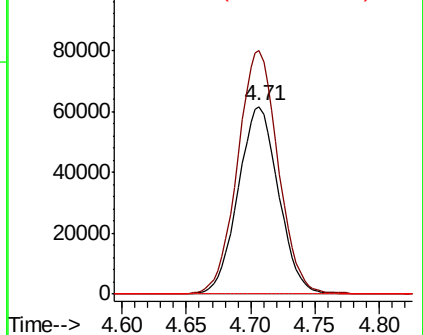


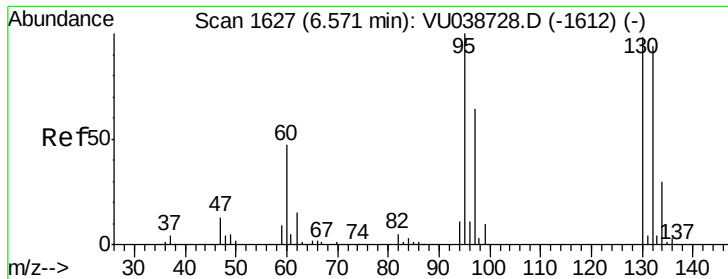
#20
cis-1,2-Dichloroethene
Concen: 33.353 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU038746.D
Acq: 10 Jun 2020 00:18

Tgt Ion: 96 Resp: 134466
Ion Ratio Lower Upper
96 100
61 129.7 89.5 166.1
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

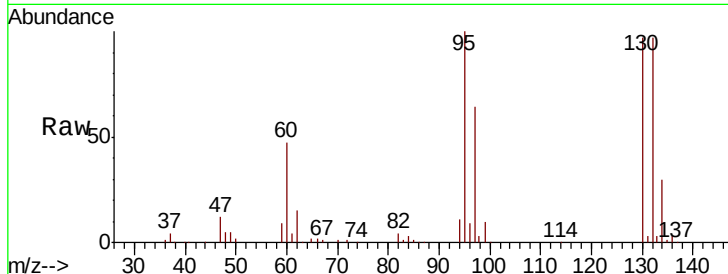




#34
 Trichloroethene
 Concen: 67.120 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038746.D
 Acq: 10 Jun 2020 00:18

Instrument :
 MSVOA_U
 ClientSampled :
 EW0K7

Tot Ion:	95	Resp:	265466
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.4
132	96.7	64.9	120.5
130	96.9	68.6	127.4



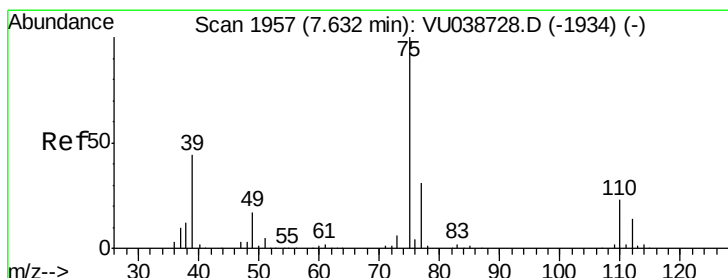
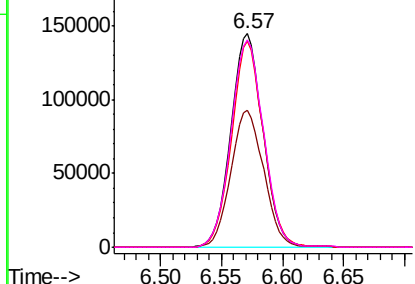
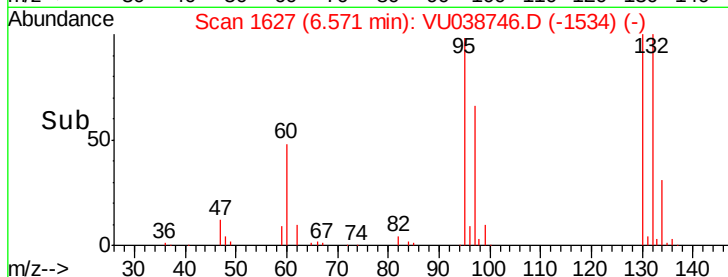
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

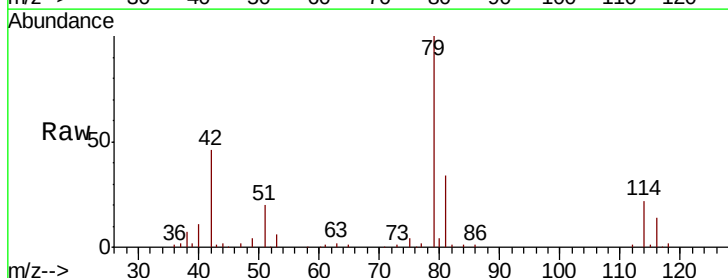
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#39
 cis-1,3-Dichloropropene
 Concen: 0.941 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038746.D
 Acq: 10 Jun 2020 00:18

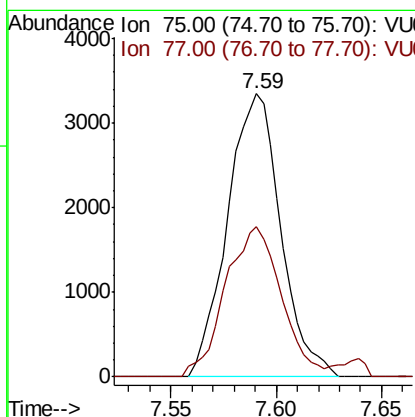
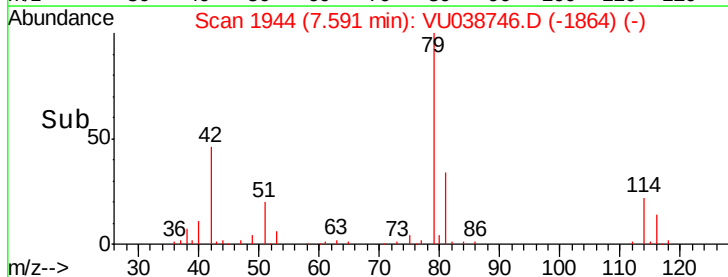
Tgt Ion:	75	Resp:	5884
Ion	Ratio	Lower	Upper
75	100		
77	52.9	22.2	41.2#

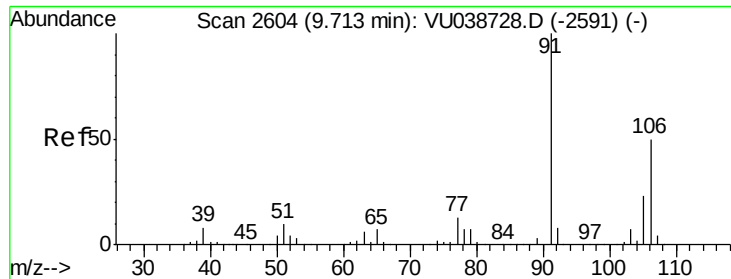


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#53

m,p-Xylene

Concen: 2.608 ug/L

RT: 9.71 min Scan# 2602

Delta R.T. -0.01 min

Lab File: VU038746.D

Acq: 10 Jun 2020 00:18

Instrument :

MSVOA_U

ClientSampleId :

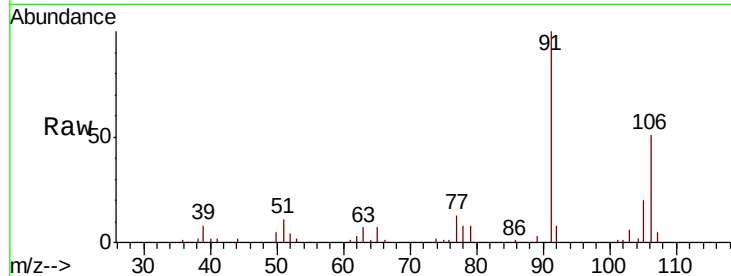
EW0K7

Tot Ion:106 Resp: 17963

Ion Ratio Lower Upper

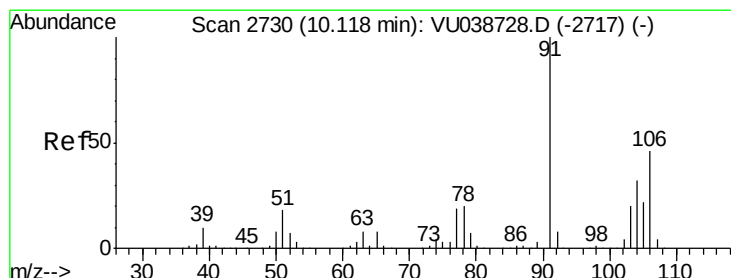
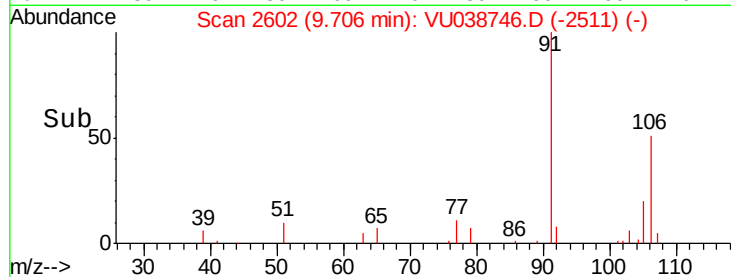
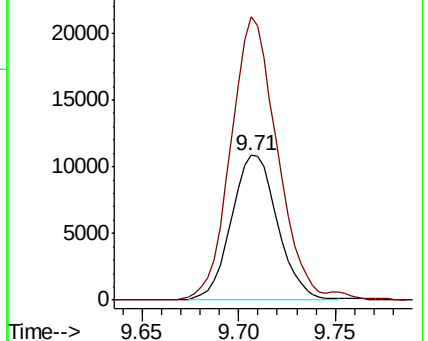
106 100

91 195.6 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.081 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038746.D

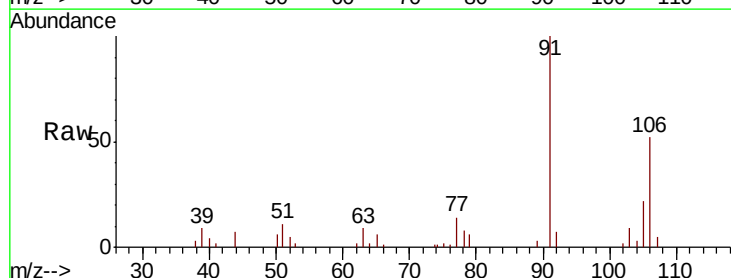
Acq: 10 Jun 2020 00:18

Tgt Ion:106 Resp: 7226

Ion Ratio Lower Upper

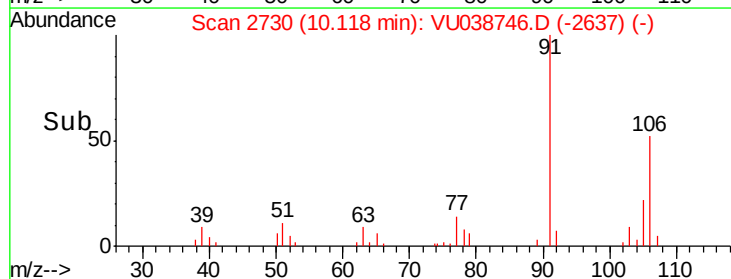
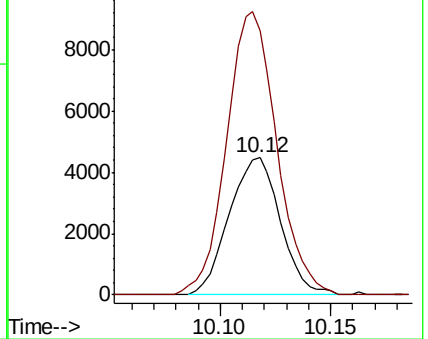
106 100

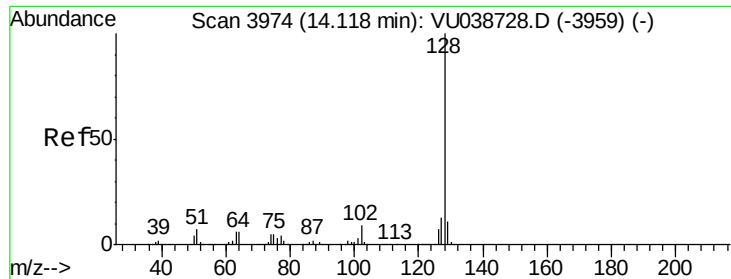
91 192.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 7.485 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

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ClientSampleId :

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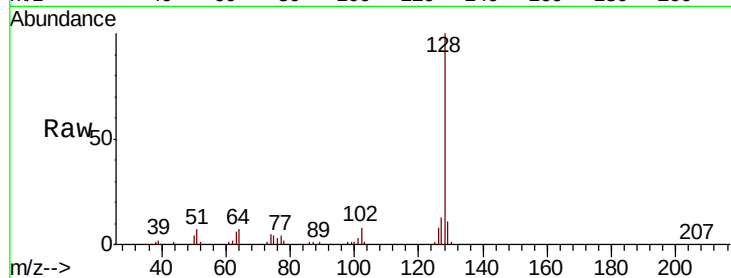
Tot Ion:128 Resp: 136793

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.6 8.6 12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

