

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081020\
 Data File : VU039828.D
 Acq On : 10 Aug 2020 16:55
 Operator : SY/MD
 Sample : L3578-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFWP0

Quant Time: Aug 11 05:43:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 11 04:57:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	81230	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	80217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37640	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27689	6.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.20%
7) Chloroethane-d5	1.92	69	20047	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	32891	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.67	46	98748	51.19	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.38%
24) Chloroform-d	5.08	84	41923	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
26) 1,2-Dichloroethane-d4	5.72	65	25028	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
32) Benzene-d6	5.74	84	77970	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.70	67	25649	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.40%
41) Toluene-d8	7.91	98	65339	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.18	79	9014	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	8.64	63	55576	40.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.96%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	23046	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	29531	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

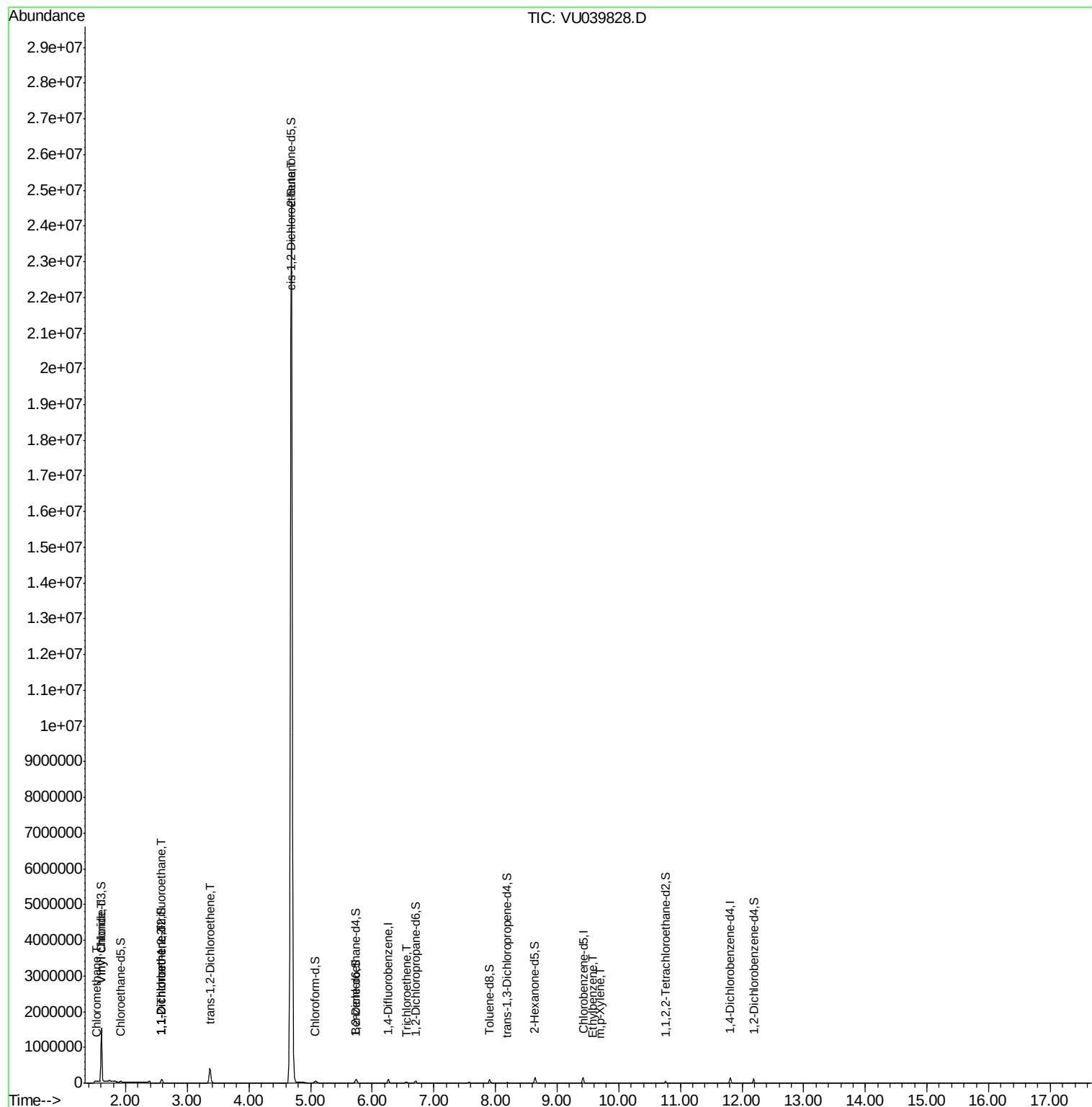
					Ovalue
3) Chloromethane	1.53	50	6296	0.914 ug/L	83
5) Vinyl chloride	1.61	62	940137	142.347 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	17716	3.179 ug/L	96
12) 1,1-Dichloroethene	2.59	96	6782	1.400 ug/L #	47
18) trans-1,2-Dichloroethene	3.37	96	171060	31.709 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	10130545	1726.557 ug/L	73
34) Trichloroethene	6.55	95	11424	2.013 ug/L	91
52) Ethylbenzene	9.57	91	6014	0.234 ug/L	97
53) m,p-Xylene	9.70	106	1153	0.118 ug/L	64

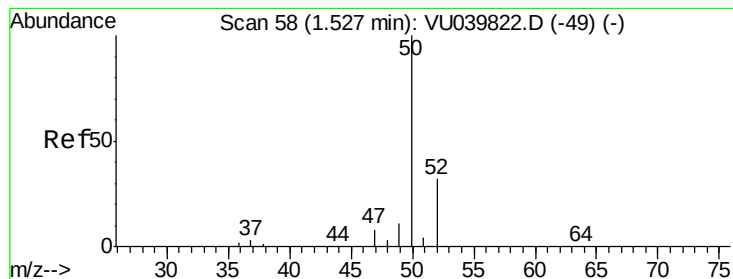
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.914 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039828.D

Acq: 10 Aug 2020 16:55

Instrument :

MSVOA_U

ClientSampleId :

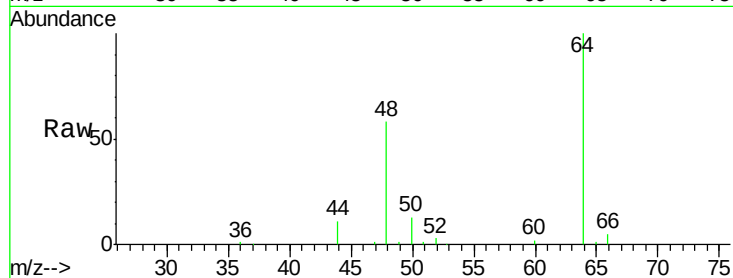
BFWP0

Tot Ion: 50 Resp: 6296

Ion Ratio Lower Upper

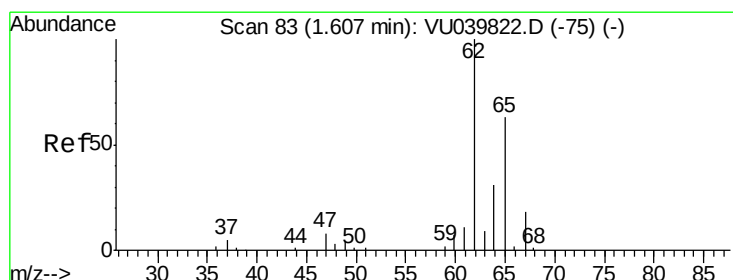
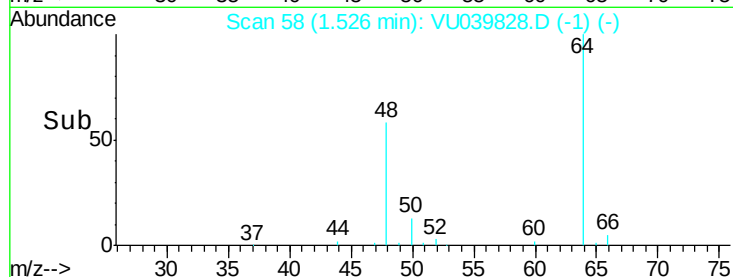
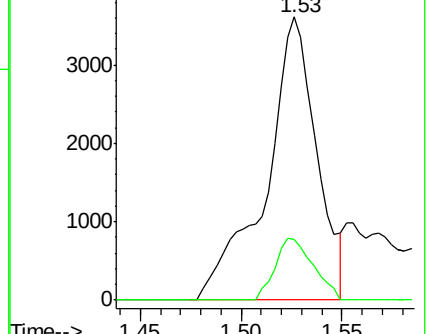
50 100

52 21.7 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 142.347 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039828.D

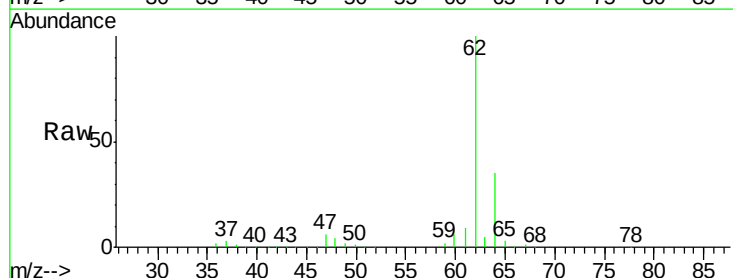
Acq: 10 Aug 2020 16:55

Tgt Ion: 62 Resp: 940137

Ion Ratio Lower Upper

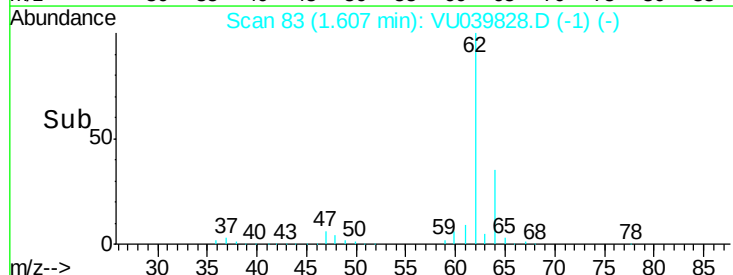
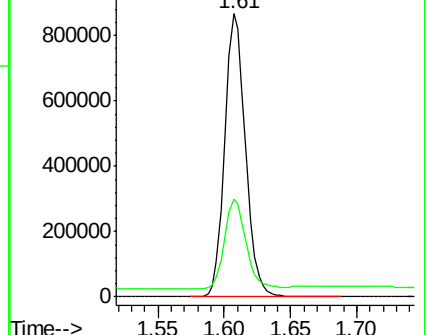
62 100

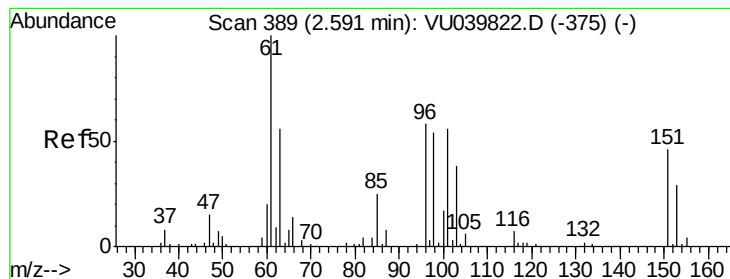
64 34.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 3.179 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039828.D

Acq: 10 Aug 2020 16:55

Instrument :

MSVOA_U

ClientSampled :

BFWP0

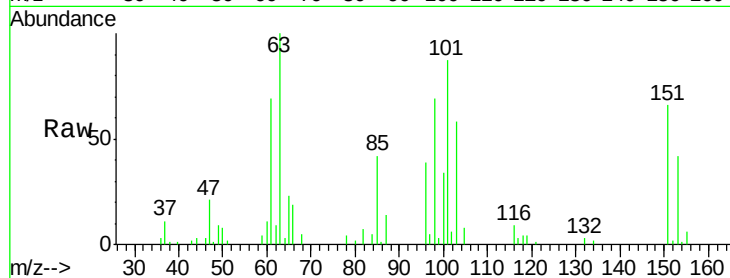
Tot Ion:101 Resp: 17716

Ion Ratio Lower Upper

101 100

85 47.5 37.9 56.9

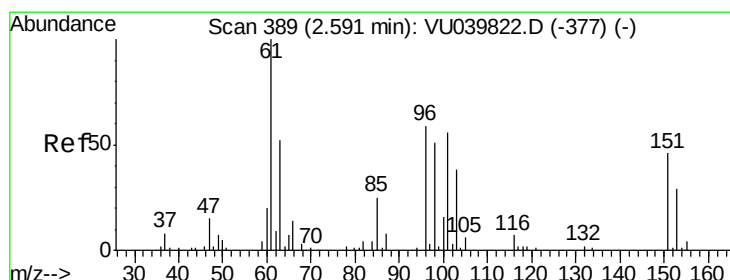
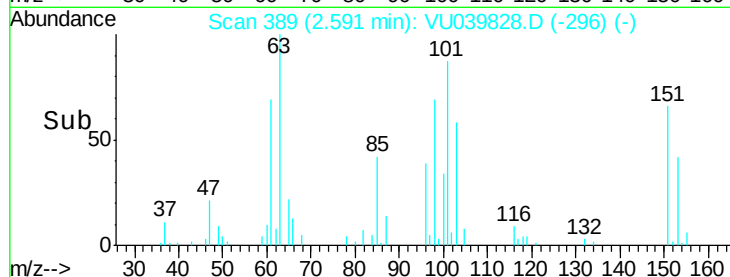
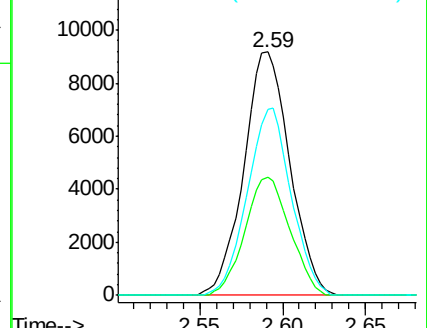
151 73.2 54.7 82.1



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



#12

1,1-Dichloroethene

Concen: 1.400 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039828.D

Acq: 10 Aug 2020 16:55

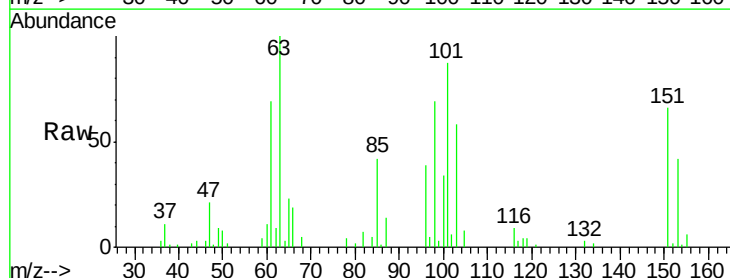
Tgt Ion: 96 Resp: 6782

Ion Ratio Lower Upper

96 100

61 177.5 121.7 225.9

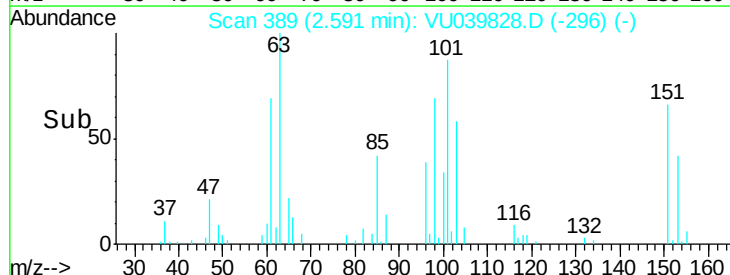
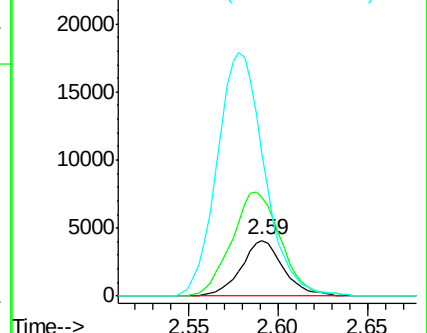
63 256.4 82.1 152.5#

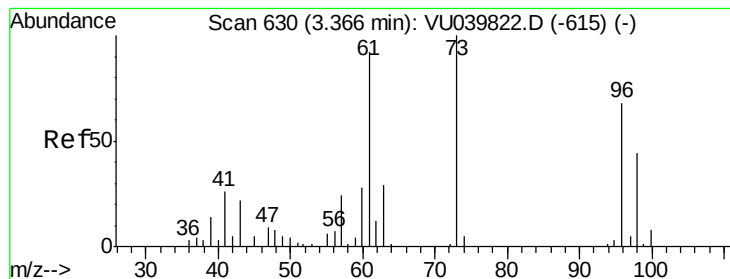


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 31.709 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039828.D

Acq: 10 Aug 2020 16:55

Instrument :

MSVOA_U

ClientSampleId :

BFWP0

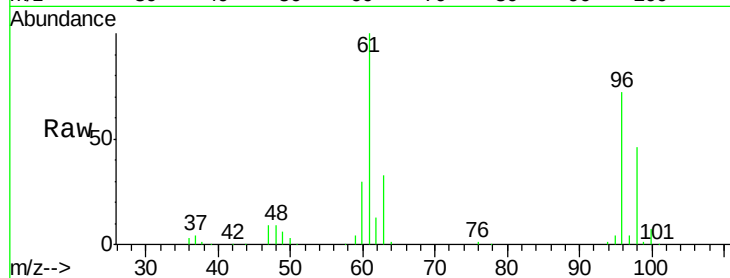
Tot Ion: 96 Resp: 171060

Ion Ratio Lower Upper

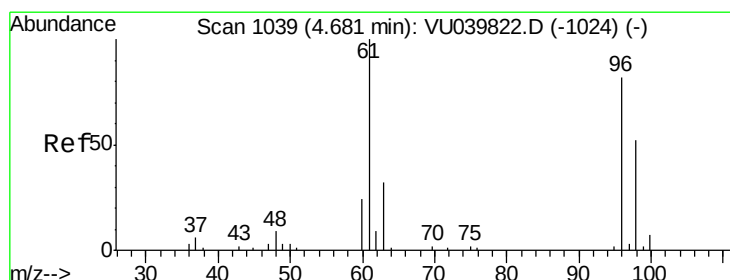
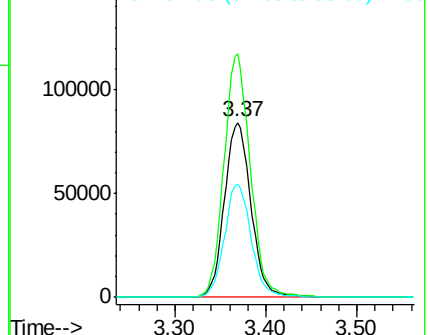
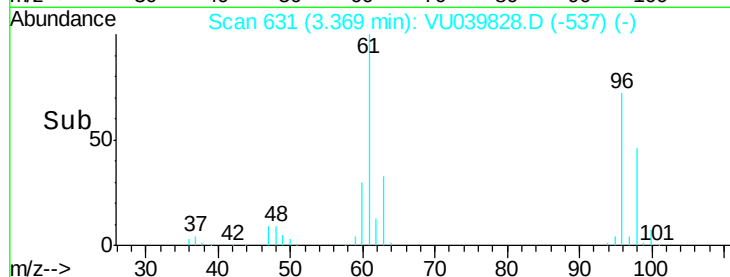
96 100

61 139.4 96.5 179.1

98 64.6 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039828.D (-537) (-)



#22

cis-1,2-Dichloroethene

Concen: 1726.557 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039828.D

Acq: 10 Aug 2020 16:55

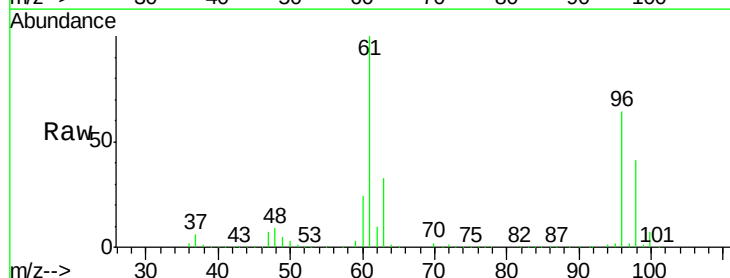
Tgt Ion: 96 Resp:10130545

Ion Ratio Lower Upper

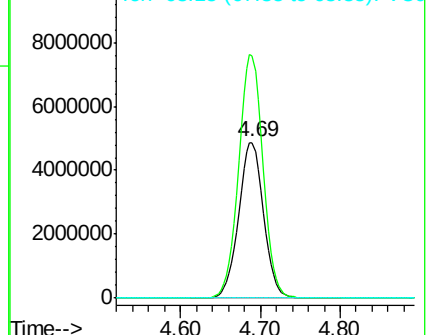
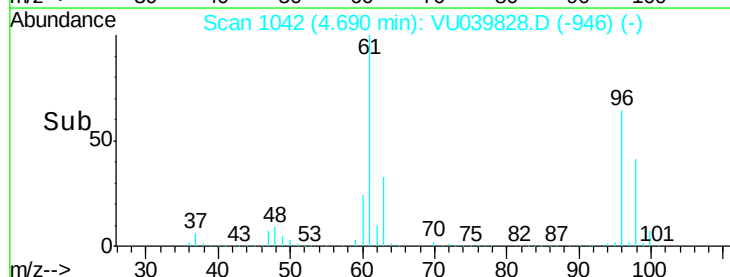
96 100

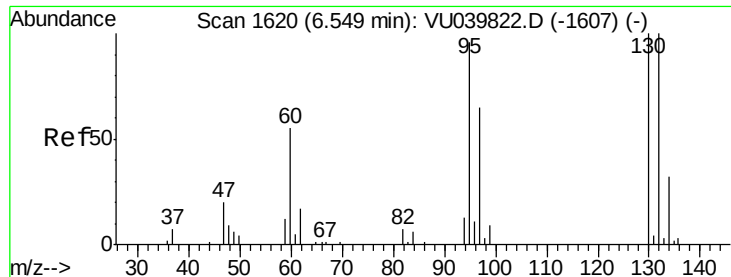
61 155.8 87.4 162.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039828.D (-946) (-)

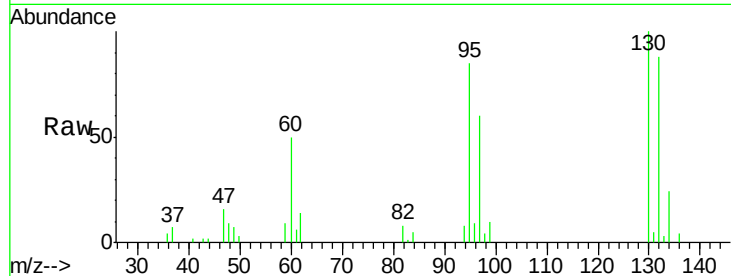




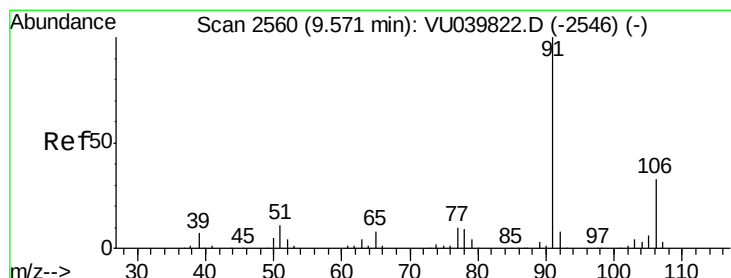
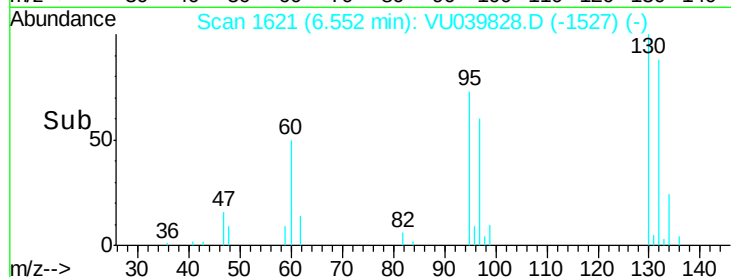
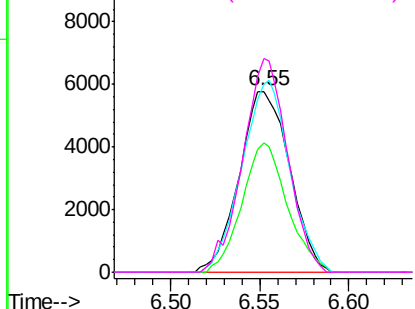
#34
 Trichloroethene
 Concen: 2.013 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039828.D
 Acq: 10 Aug 2020 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFWP0

Tot Ion: 95 Resp: 11424
 Ion Ratio Lower Upper
 95 100
 97 71.5 44.0 81.8
 132 104.1 71.7 133.3
 130 118.3 71.1 132.1

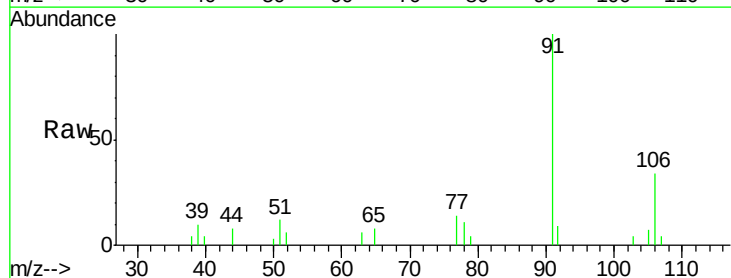


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

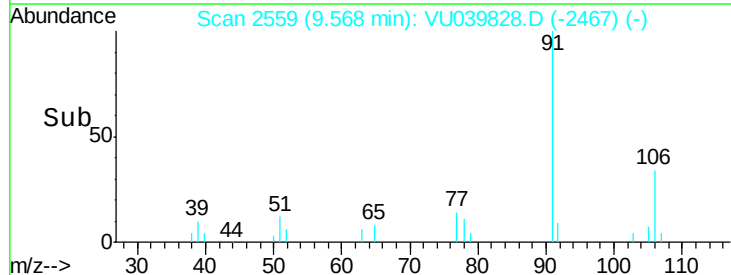
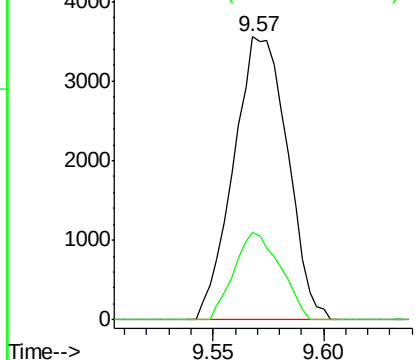


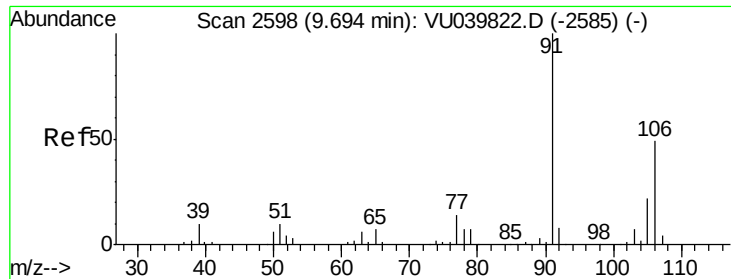
#52
 Ethylbenzene
 Concen: 0.234 ug/L
 RT: 9.57 min Scan# 2559
 Delta R.T. -0.00 min
 Lab File: VU039828.D
 Acq: 10 Aug 2020 16:55

Tgt Ion: 91 Resp: 6014
 Ion Ratio Lower Upper
 91 100
 106 30.9 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 106.15 (105.85 to 106.85): V





#53
 m,p-Xylene
 Concen: 0.118 ug/L
 RT: 9.70 min Scan# 2600
 Delta R.T. 0.01 min
 Lab File: VU039828.D
 Acq: 10 Aug 2020 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFWP0

Tot Ion:106 Resp: 1153
 Ion Ratio Lower Upper
 106 100
 91 140.0 135.5 251.7

