

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038228.D
 Acq On : 19 May 2020 12:24
 Operator : JC/MD
 Sample : L2657-01DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST4DL

Quant Time: May 20 01:36:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	371389	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	361436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	172250	5.00	ug/L	0.00

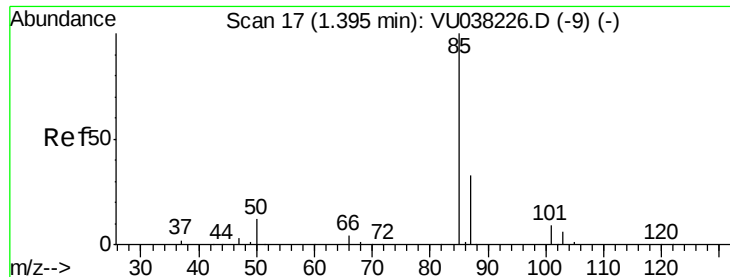
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105398	3.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.00%
7) Chloroethane-d5	1.93	69	103237	3.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.20%
11) 1,1-Dichloroethene-d2	2.59	63	134726	2.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.40%#
20) 2-Butanone-d5	4.68	46	448011	53.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.90%
24) Chloroform-d	5.10	84	202367	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.74	65	126619	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.76	84	405514	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
36) 1,2-Dichloropropane-d6	6.72	67	138902	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.40%
41) Toluene-d8	7.92	98	336512	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.20%#
43) trans-1,3-Dichloropropene-	8.20	79	53519	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.66	63	331407	50.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	124605	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	137936	4.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6321	0.186 ug/L	99
9) Trichlorofluoromethane	2.16	101	44065	1.074 ug/L	97
12) 1,1-Dichloroethene	2.60	96	4339	0.168 ug/L #	1
22) cis-1,2-Dichloroethene	4.71	96	23482	0.774 ug/L	99
34) Trichloroethene	6.57	95	214425	7.407 ug/L	99
47) Tetrachloroethene	8.58	164	148507	7.334 ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.186 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038228.D

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Instrument :

MSVOA_U

ClientSampleId :

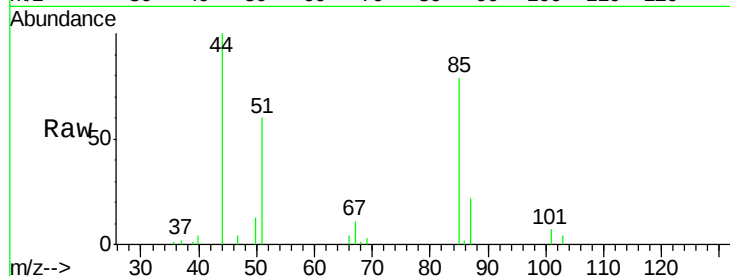
BFST4DL

Tot Ion: 85 Resp: 6321

Ion Ratio Lower Upper

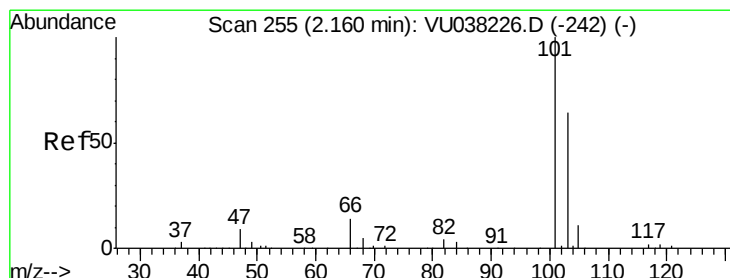
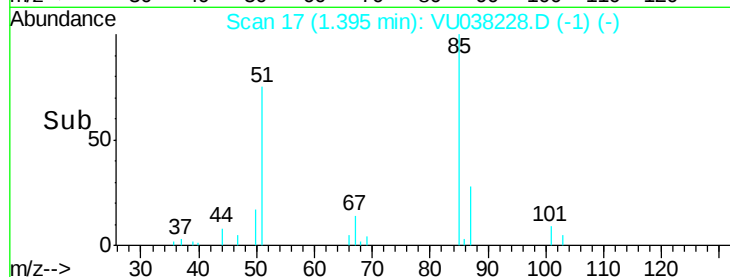
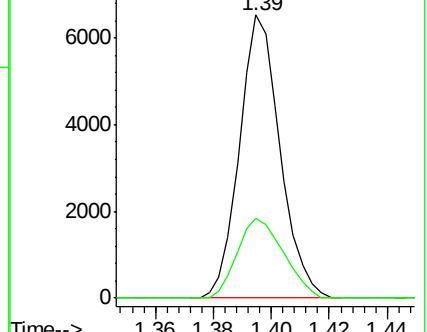
85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038228.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038228.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 1.074 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038228.D

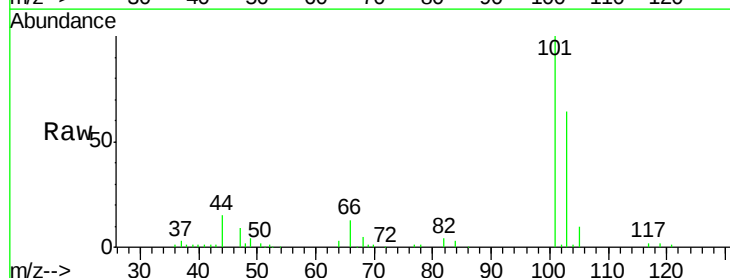
Acq: 19 May 2020 12:24

Tgt Ion: 101 Resp: 44065

Ion Ratio Lower Upper

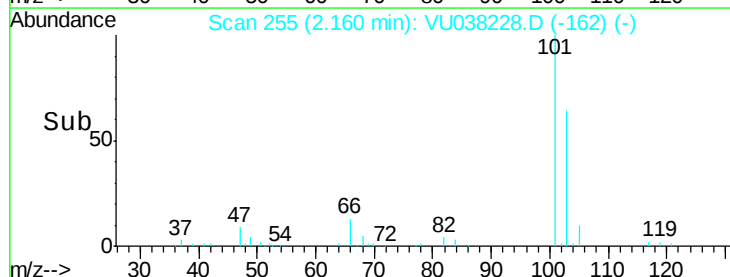
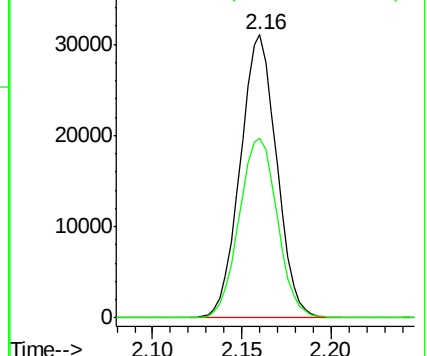
101 100

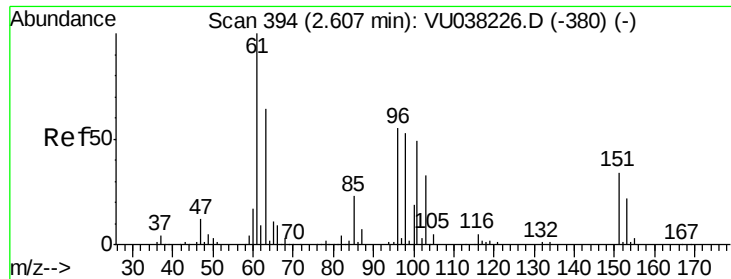
103 66.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038228.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU038228.D (-162) (-)





#12

1,1-Dichloroethene

Concen: 0.168 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Instrument :

MSVOA_U

ClientSampled :

BFST4DL

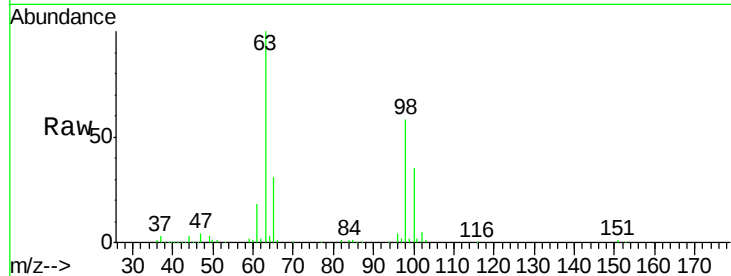
Tot Ion: 96 Resp: 4339

Ion Ratio Lower Upper

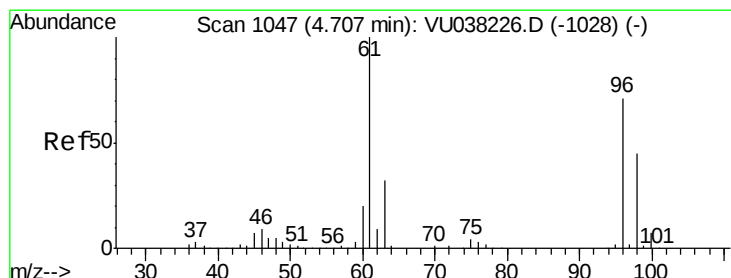
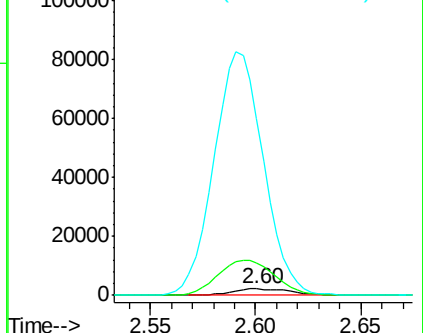
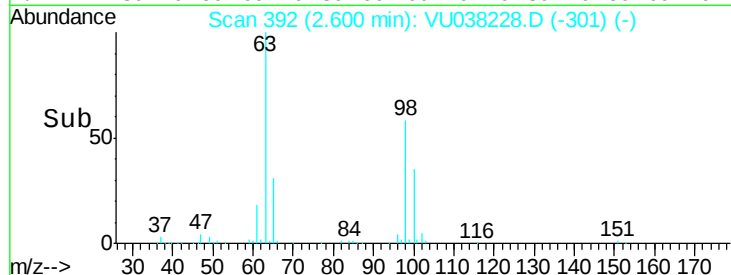
96 100

61 512.1 126.2 234.4#

63 2795.2 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038228.D (-301) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.774 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

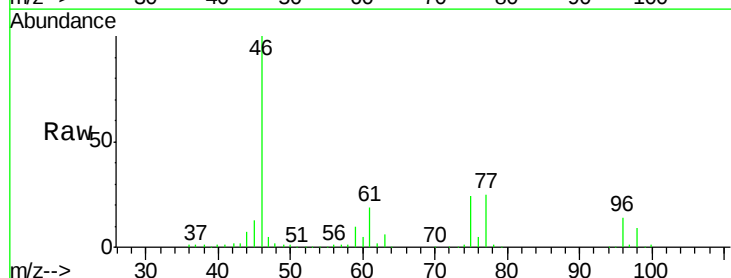
Tgt Ion: 96 Resp: 23482

Ion Ratio Lower Upper

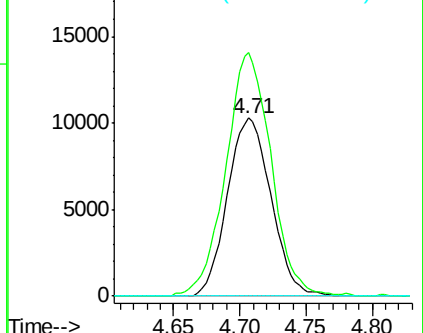
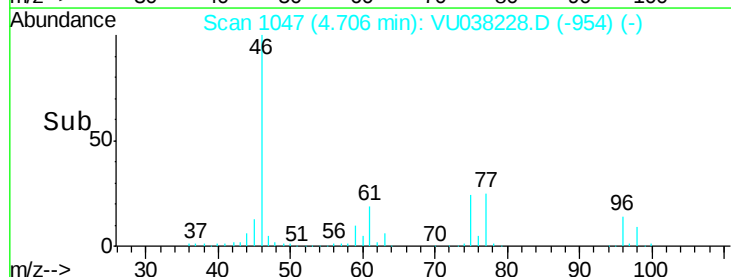
96 100

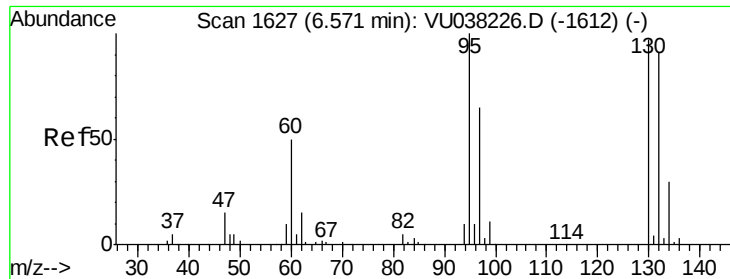
61 136.9 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038228.D (-954) (-)

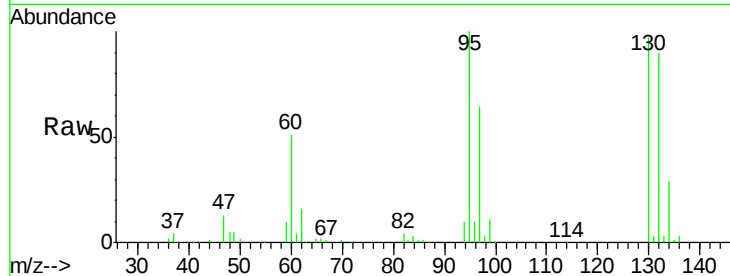




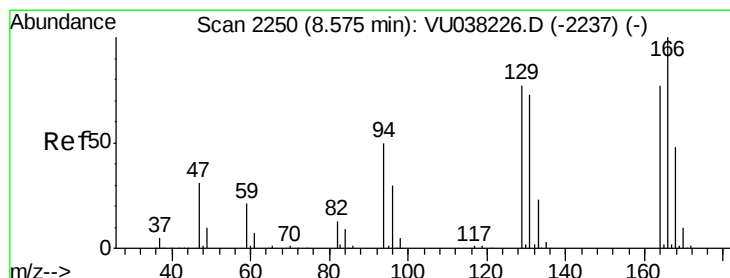
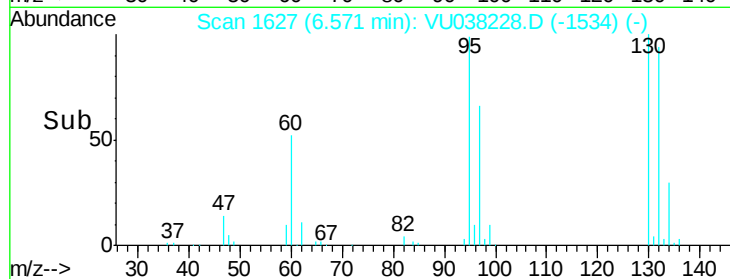
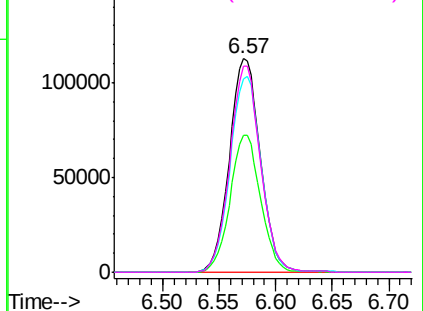
#34
 Trichloroethene
 Concen: 7.407 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038228.D
 Acq: 19 May 2020 12:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST4DL

Tot Ion: 95 Resp: 214425
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.9 83.3
 132 90.3 63.3 117.5
 130 96.6 65.7 122.1

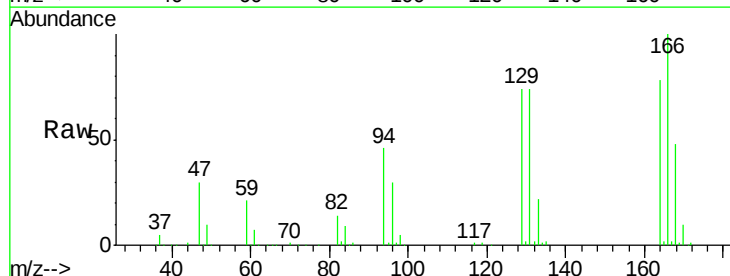


Abundance Ion 95.00 (94.70 to 95.70): VU038228.D (-1534) (-)
 Ion 96.95 (96.65 to 97.65): VU038228.D (-1534) (-)
 Ion 131.95 (131.65 to 132.65): VU038228.D (-1534) (-)
 Ion 129.95 (129.65 to 130.65): VU038228.D (-1534) (-)



#47
 Tetrachloroethene
 Concen: 7.334 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU038228.D
 Acq: 19 May 2020 12:24

Tgt Ion: 164 Resp: 148507
 Ion Ratio Lower Upper
 164 100
 129 95.2 68.8 127.8
 131 94.7 66.8 124.2
 166 128.2 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): VU038228.D (-2157) (-)
 Ion 128.95 (128.65 to 129.65): VU038228.D (-2157) (-)
 Ion 130.95 (130.65 to 131.65): VU038228.D (-2157) (-)
 Ion 165.90 (165.60 to 166.60): VU038228.D (-2157) (-)

