

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038216.D
 Acq On : 18 May 2020 13:39
 Operator : JC/MD
 Sample : L2657-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST6DL

Quant Time: May 18 22:58:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	343101	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338345	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158264	5.00	ug/L	0.00

System Monitoring Compounds

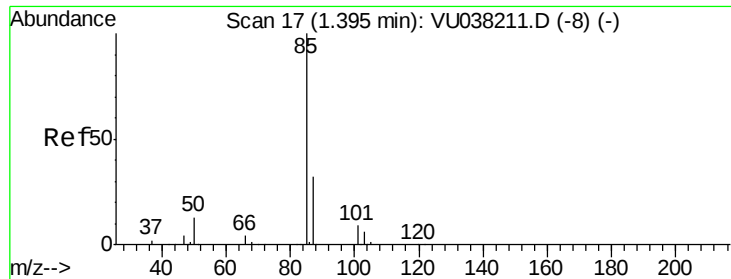
4) Vinyl Chloride-d3	1.61	65	117229	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	111738	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.59	63	148252	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.68	46	433613	56.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.00%
24) Chloroform-d	5.10	84	212681	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.74	65	129816	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.76	84	433794	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.72	67	150589	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.92	98	369237	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.20	79	56987	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.65	63	328213	53.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	124960	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	142764	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15455	0.493 ug/L	97
9) Trichlorofluoromethane	2.16	101	211822	5.591 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6939	0.295 ug/L #	81
12) 1,1-Dichloroethene	2.60	96	5227	0.220 ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	22841	0.345 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	5556	0.214 ug/L	97
19) 1,1-Dichloroethane	3.91	63	12167	0.240 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	14358	0.513 ug/L	100
34) Trichloroethene	6.57	95	131684	4.859 ug/L	99
47) Tetrachloroethene	8.57	164	112605	5.941 ug/L	98

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

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Acq On : 18 May 2020 13:39
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Sample : L2657-03DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 0.493 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

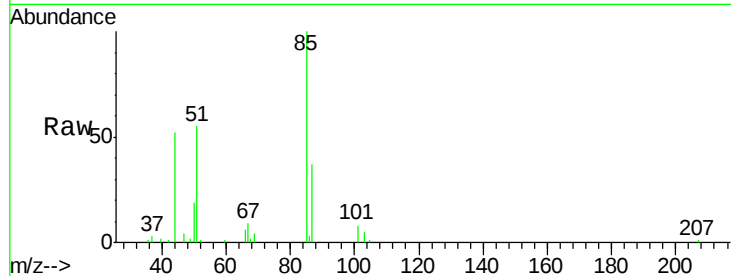
BFST6DL

Tot Ion: 85 Resp: 15455

Ion Ratio Lower Upper

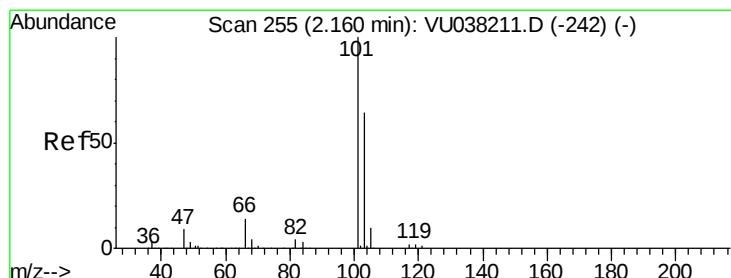
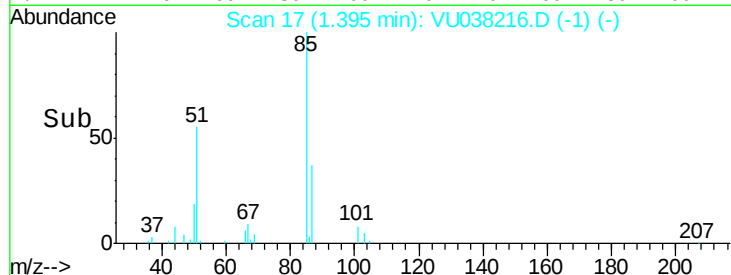
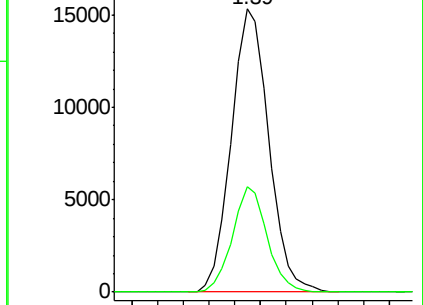
85 100

87 34.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038216.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038216.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 5.591 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038216.D

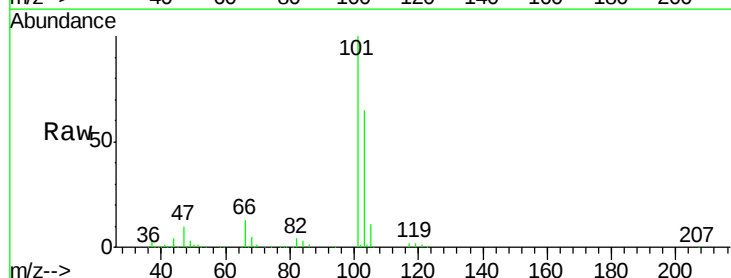
Acq: 18 May 2020 13:39

Tgt Ion: 101 Resp: 211822

Ion Ratio Lower Upper

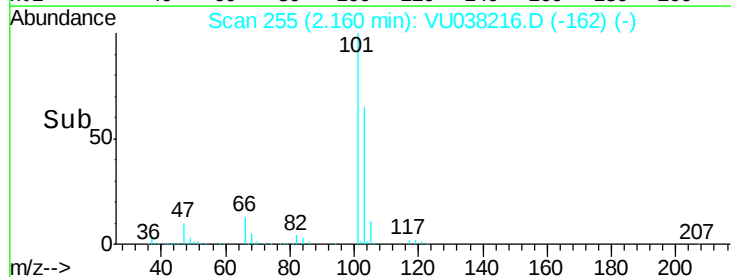
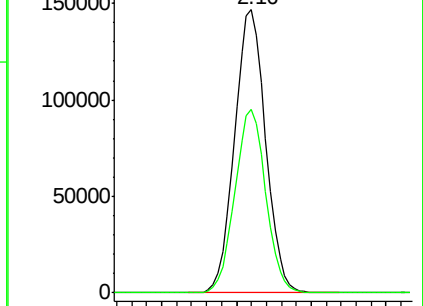
101 100

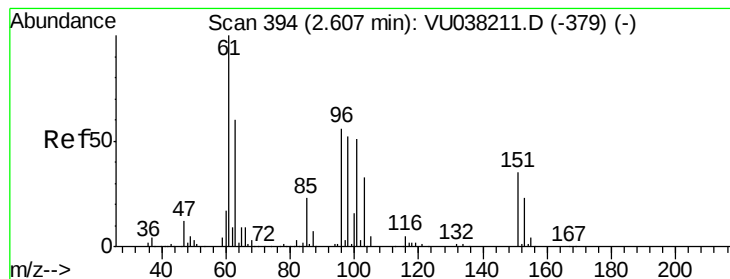
103 64.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038216.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU038216.D (-162) (-)





#10

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

Concen: 0.295 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

BFST6DL

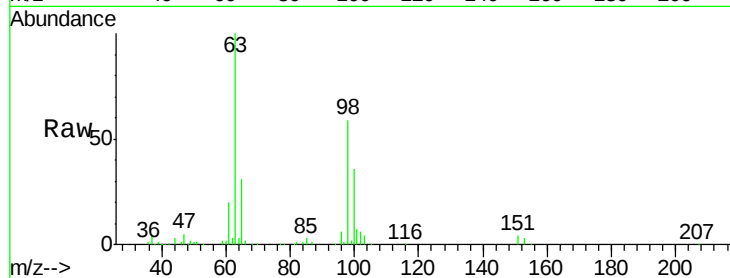
Tot Ion:101 Resp: 6939

Ion Ratio Lower Upper

101 100

85 34.2 35.3 52.9#

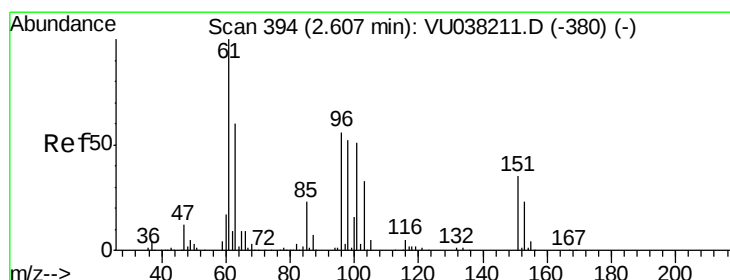
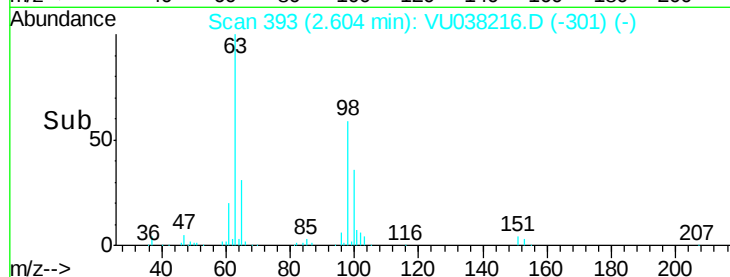
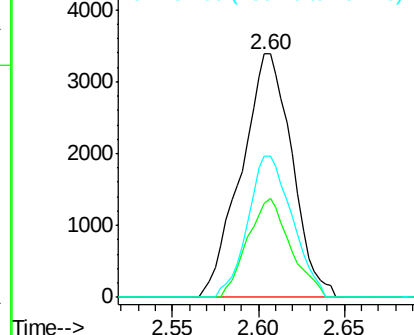
151 50.5 54.2 81.2#



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: 0.220 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

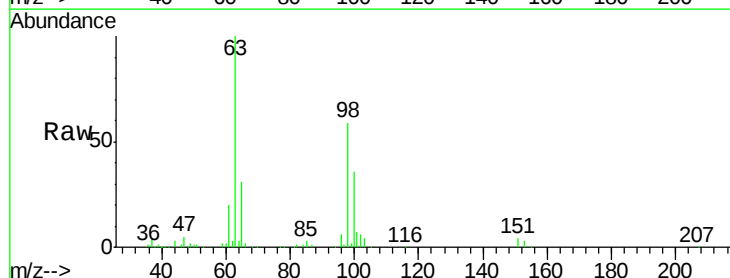
Tgt Ion: 96 Resp: 5227

Ion Ratio Lower Upper

96 100

61 342.3 126.2 234.4#

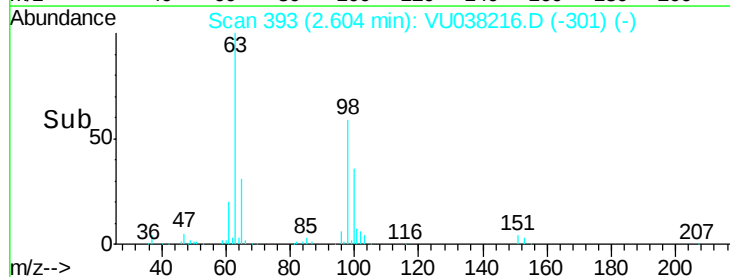
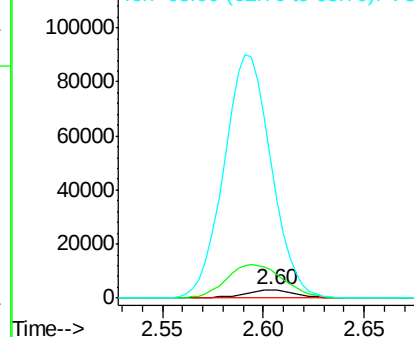
63 1702.1 96.9 179.9#

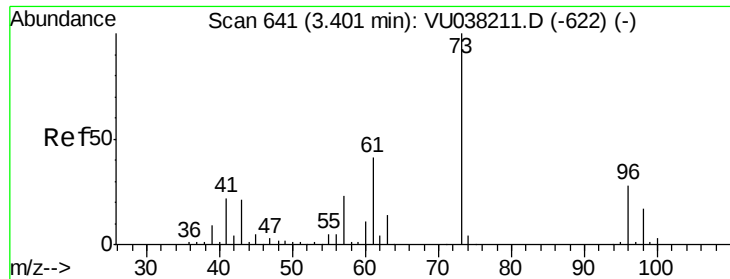


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

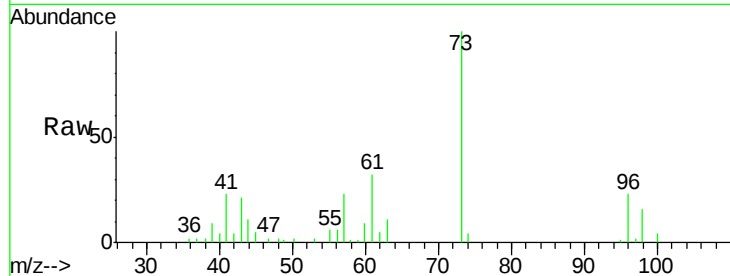




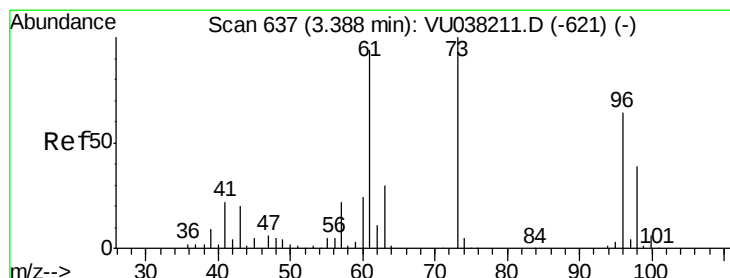
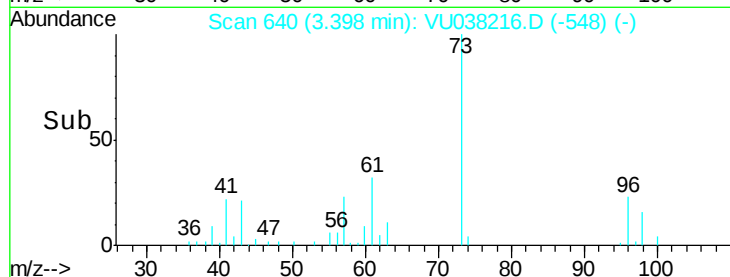
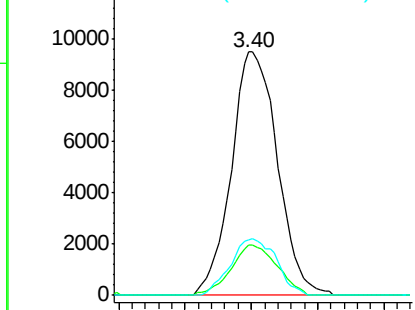
#17
Methvl tert-butvl Ether
Concen: 0.345 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038216.D
Acq: 18 May 2020 13:39

Instrument :
MSVOA_U
ClientSampleId :
BFST6DL

Tot Ion: 73 Resp: 22841
Ion Ratio Lower Upper
73 100
43 20.7 16.9 25.3
57 23.2 18.2 27.2

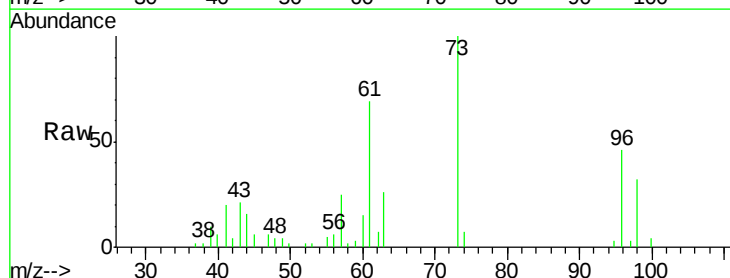


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

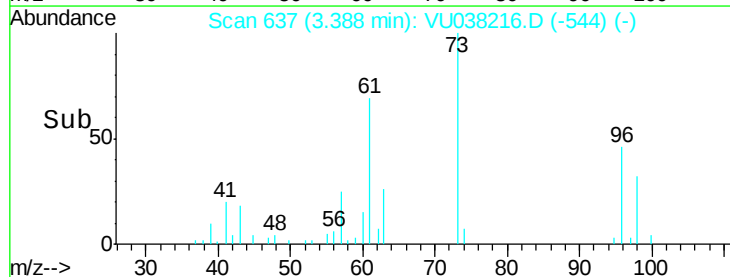
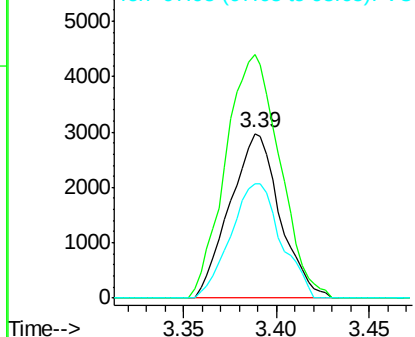


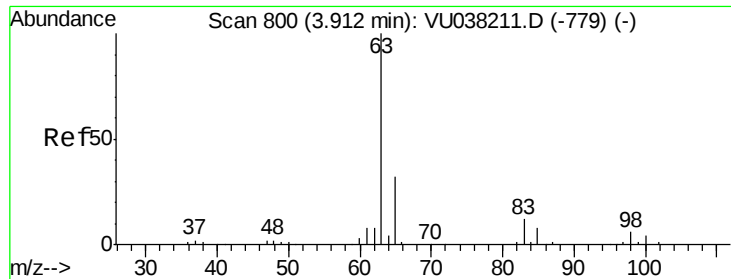
#18
trans-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038216.D
Acq: 18 May 2020 13:39

Tgt Ion: 96 Resp: 5556
Ion Ratio Lower Upper
96 100
61 148.0 102.1 189.5
98 69.7 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

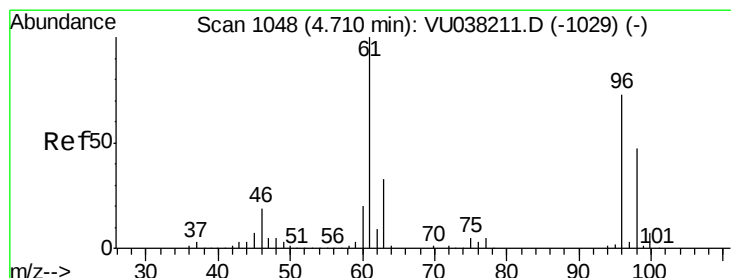
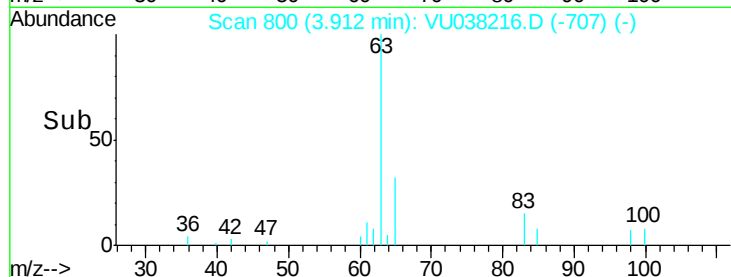
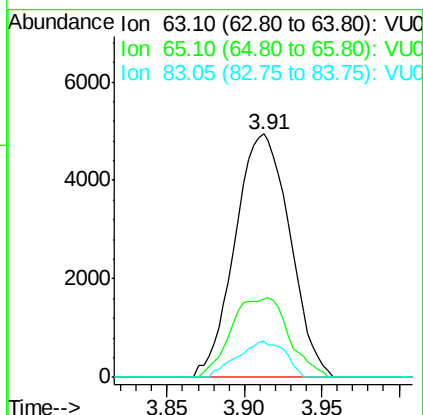
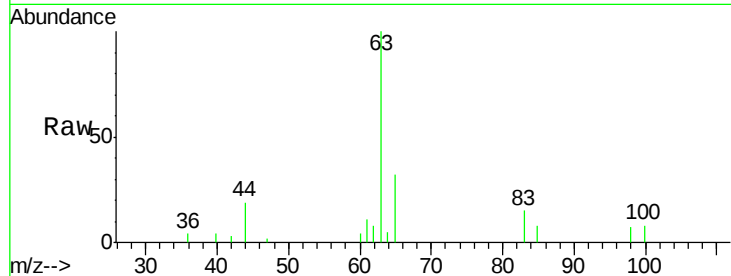




#19
 1,1-Dichloroethane
 Concen: 0.240 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU038216.D
 Acq: 18 May 2020 13:39

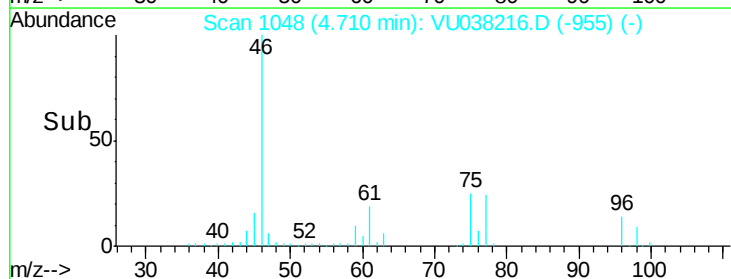
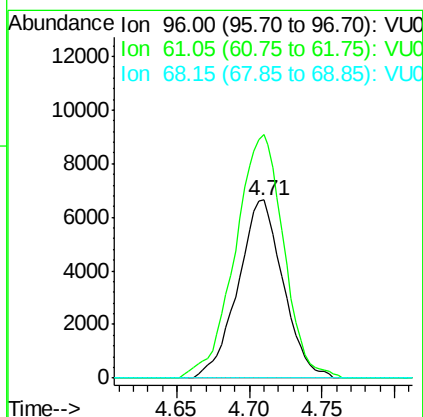
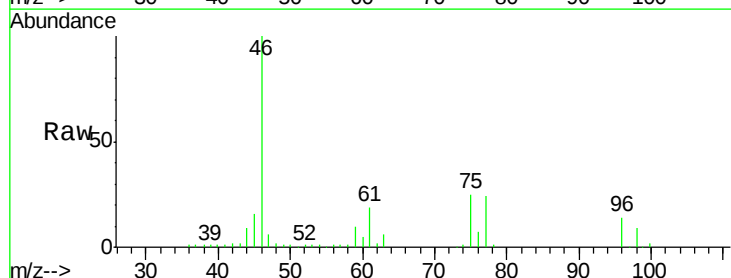
Instrument :
 MSVOA_U
 ClientSampleId :
 BFST6DL

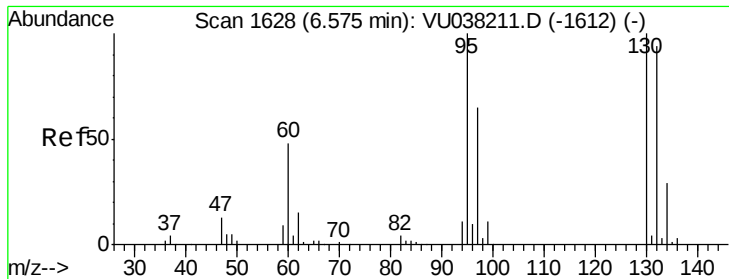
Tot Ion: 63 Resp: 12167
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.7
 83 14.7 8.9 16.5



#22
 cis-1,2-Dichloroethene
 Concen: 0.513 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU038216.D
 Acq: 18 May 2020 13:39

Tgt Ion: 96 Resp: 14358
 Ion Ratio Lower Upper
 96 100
 61 136.6 95.3 176.9
 68 0.0 0.0 0.0

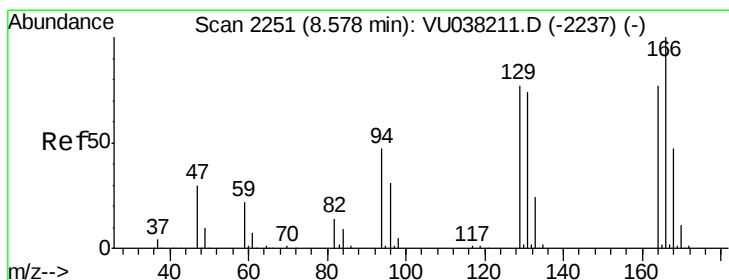
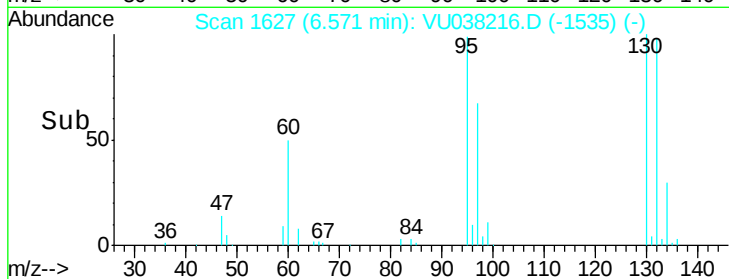
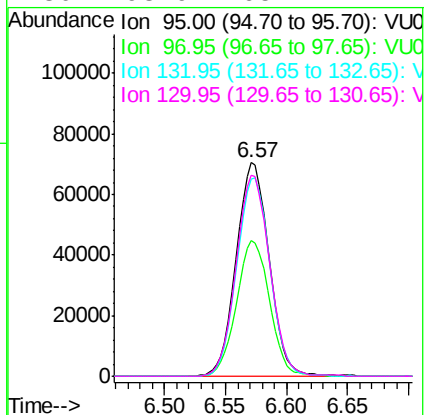
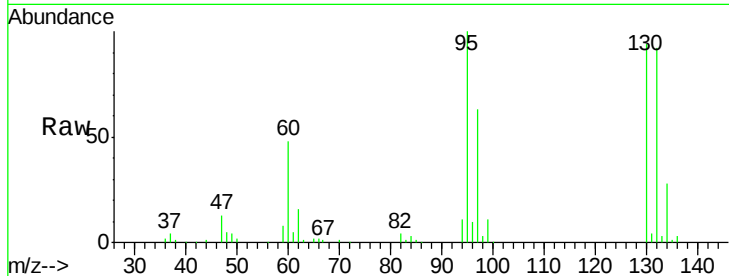




#34
 Trichloroethene
 Concen: 4.859 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038216.D
 Acq: 18 May 2020 13:39

Instrument :
 MSVOA_U
 ClientSampled :
 BFST6DL

Tot Ion:	95	Resp:	131684
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.9	83.3
132	92.2	63.3	117.5
130	93.9	65.7	122.1



#47
 Tetrachloroethene
 Concen: 5.941 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038216.D
 Acq: 18 May 2020 13:39

Tgt Ion:	164	Resp:	112605
Ion	Ratio	Lower	Upper
164	100		
129	94.3	68.8	127.8
131	93.9	66.8	124.2
166	126.1	88.9	165.1

