

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038200.D
 Acq On : 15 May 2020 16:03
 Operator : JC/MD
 Sample : L2657-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST9

Quant Time: May 18 16:13:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 16 03:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	332953	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	322925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153638	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114181	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.93	69	114961	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.59	63	165922	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.66	46	396216	52.73	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.46%
24) Chloroform-d	5.10	84	218107	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.74	65	132101	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.76	84	458391	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.72	67	156623	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.92	98	399846	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	53831	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.65	63	326658	55.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120984	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	148357	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

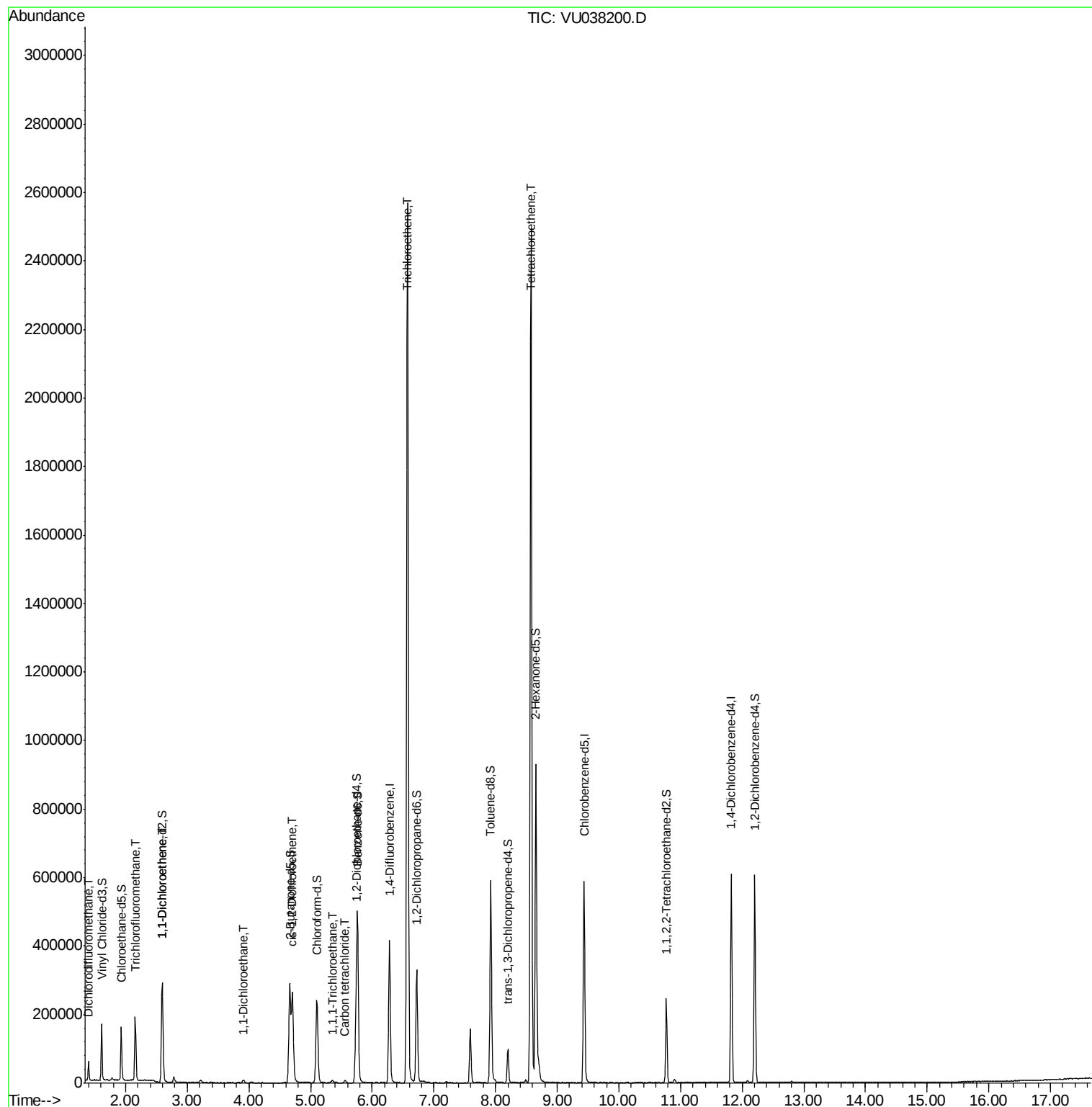
					Ovalue
2) Dichlorodifluoromethane	1.39	85	26984	0.886 ug/L	98
9) Trichlorofluoromethane	2.16	101	118374	3.220 ug/L	99
12) 1,1-Dichloroethene	2.60	96	20314	0.879 ug/L #	1
19) 1,1-Dichloroethane	3.91	63	9610	0.195 ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	120975	4.450 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	4911	0.133 ug/L	95
31) Carbon tetrachloride	5.57	117	3456	0.116 ug/L	95
34) Trichloroethene	6.57	95	868546	33.581 ug/L	98
47) Tetrachloroethene	8.57	164	545642	30.161 ug/L	99

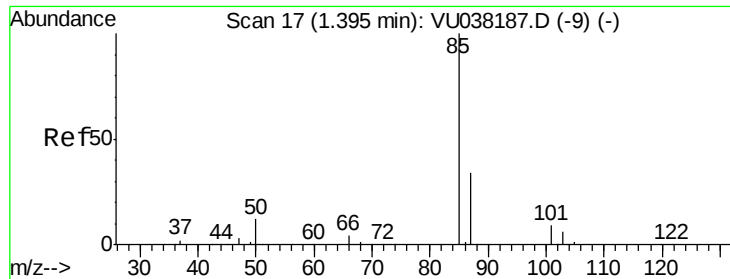
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.886 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

ClientSampleId :

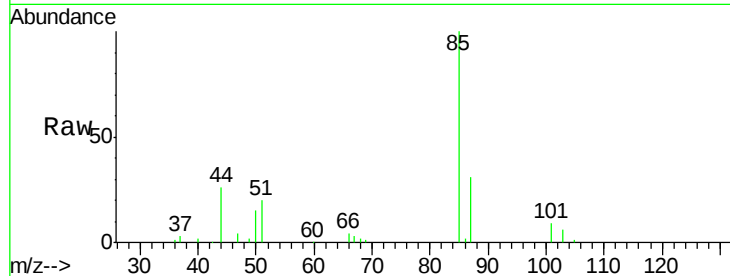
BFST9

Tot Ion: 85 Resp: 26984

Ion Ratio Lower Upper

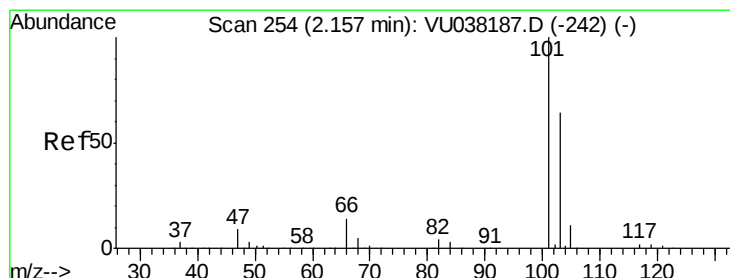
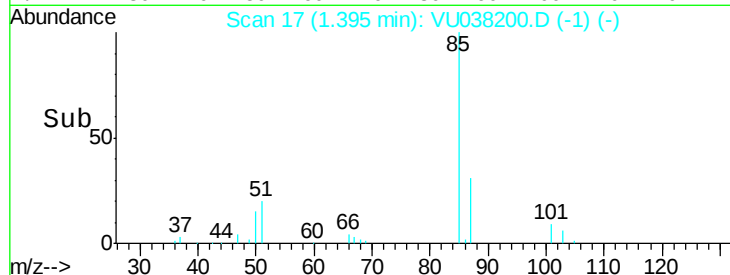
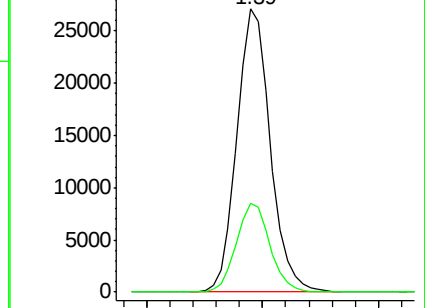
85 100

87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038187.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038187.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 3.220 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038200.D

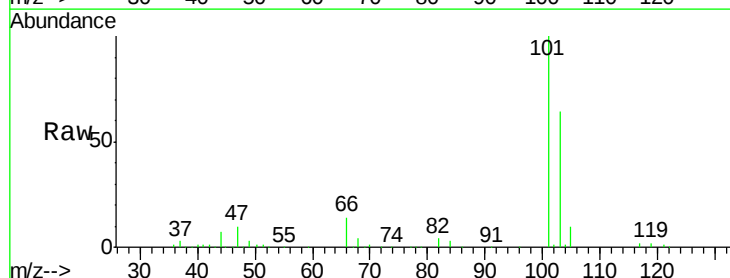
Acq: 15 May 2020 16:03

Tgt Ion: 101 Resp: 118374

Ion Ratio Lower Upper

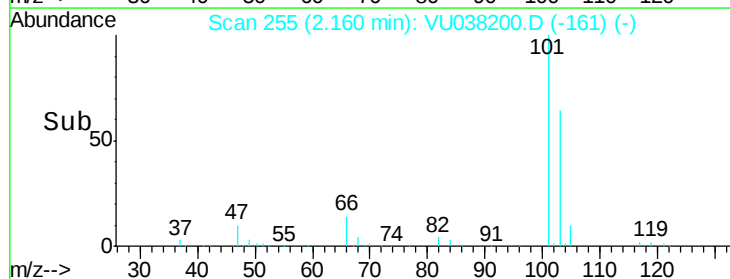
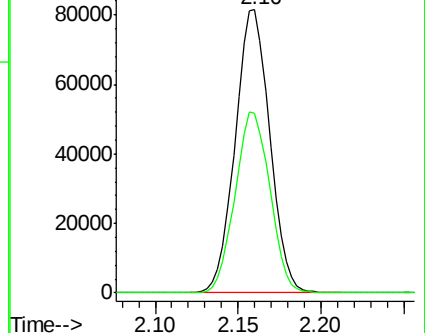
101 100

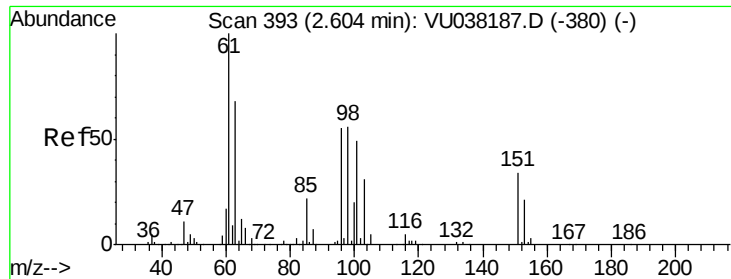
103 64.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038187.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038187.D (-242) (-)





#12

1,1-Dichloroethene

Concen: 0.879 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

ClientSampleId :

BFST9

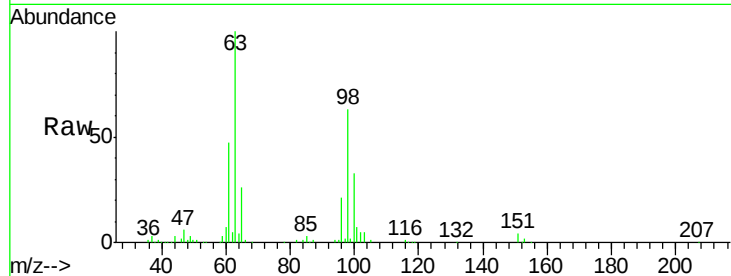
Tot Ion: 96 Resp: 20314

Ion Ratio Lower Upper

96 100

61 220.3 126.2 234.4

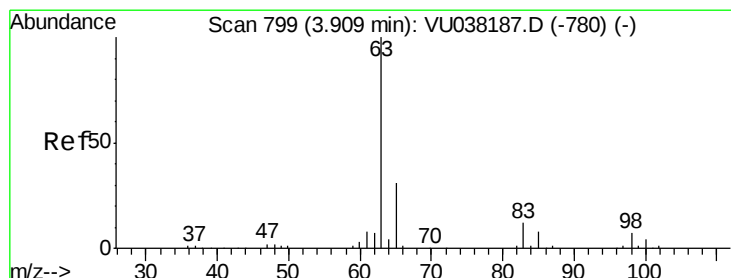
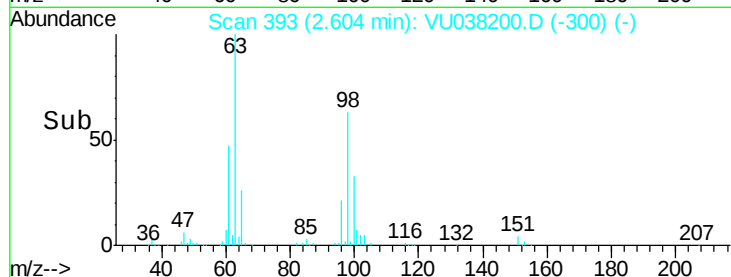
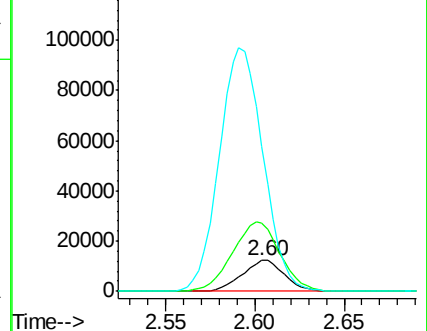
63 468.5 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038187.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU038187.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038187.D (-380) (-)



#19

1,1-Dichloroethane

Concen: 0.195 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

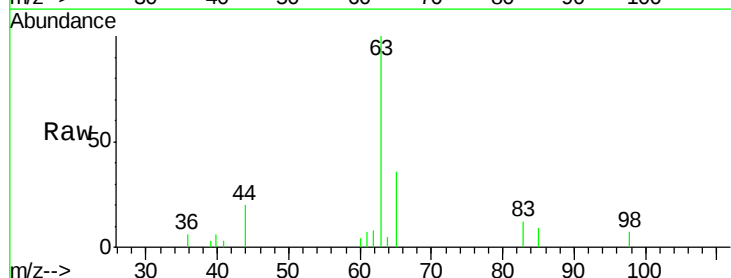
Tgt Ion: 63 Resp: 9610

Ion Ratio Lower Upper

63 100

65 35.8 22.5 41.7

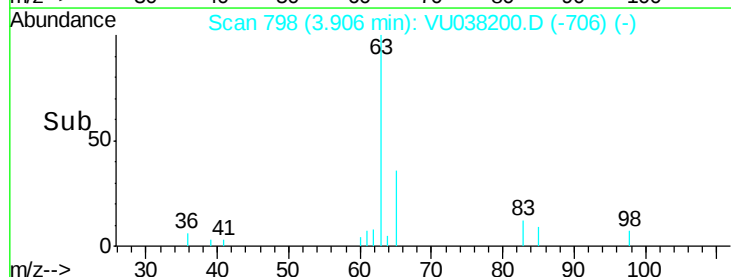
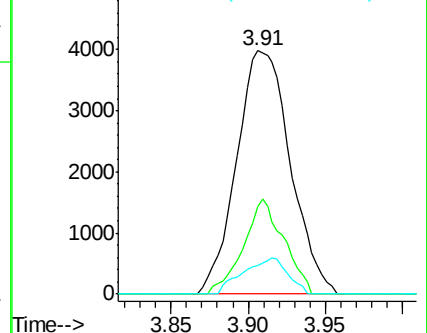
83 11.9 8.9 16.5

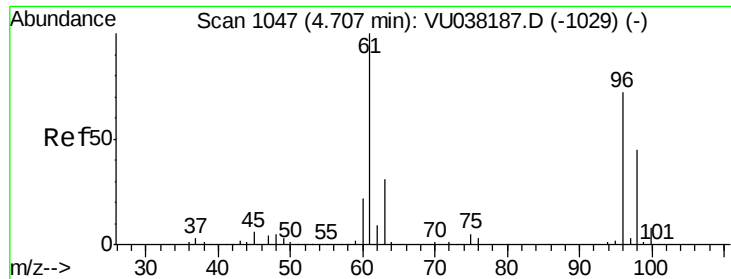


Abundance Ion 63.10 (62.80 to 63.80): VU038187.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038187.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038187.D (-780) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.450 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

ClientSampleId :

BFST9

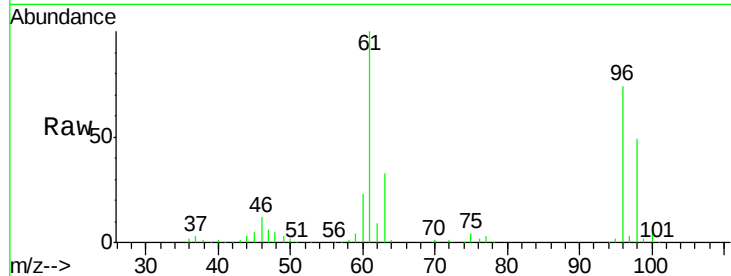
Tot Ion: 96 Resp: 120975

Ion Ratio Lower Upper

96 100

61 134.6 95.3 176.9

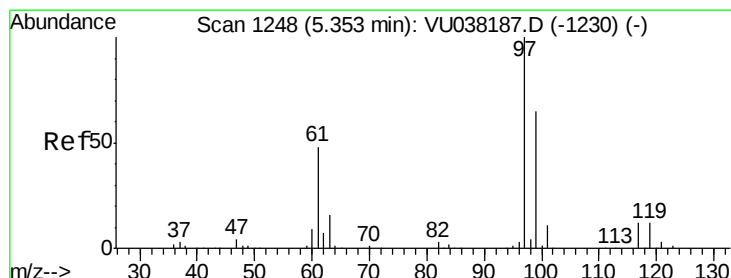
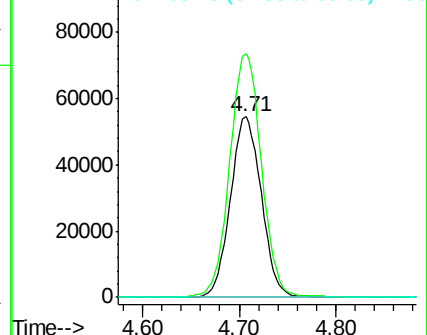
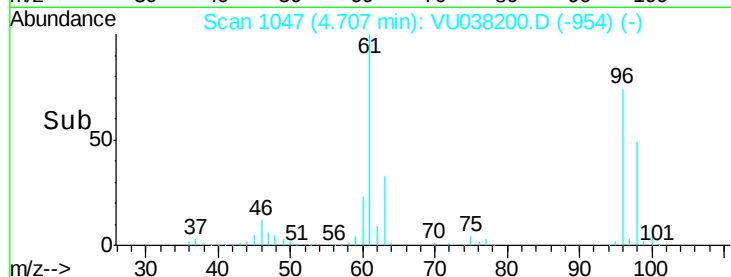
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038200.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038200.D (-1155) (-)

Ion 68.15 (67.85 to 68.85): VU038200.D (-1155) (-)



#29

1,1,1-Trichloroethane

Concen: 0.133 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

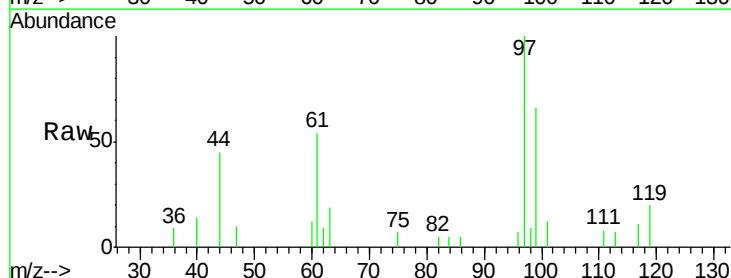
Tgt Ion: 97 Resp: 4911

Ion Ratio Lower Upper

97 100

99 66.4 51.0 76.4

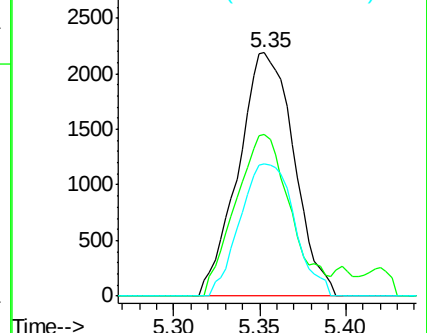
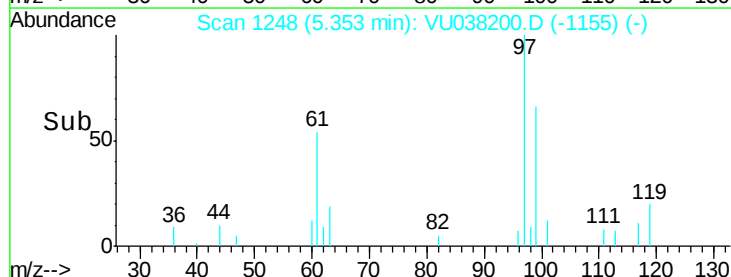
61 53.1 38.2 57.4

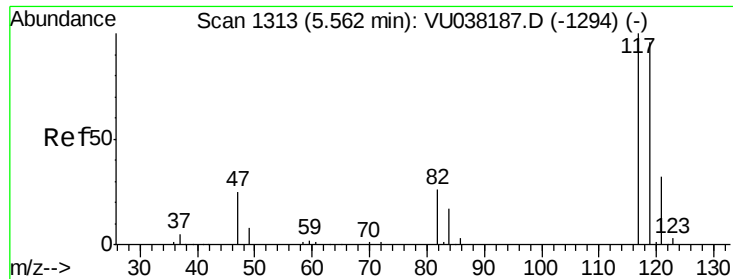


Abundance Ion 96.95 (96.65 to 97.65): VU038200.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038200.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038200.D (-1155) (-)





#31

Carbon tetrachloride

Concen: 0.116 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

ClientSampleId :

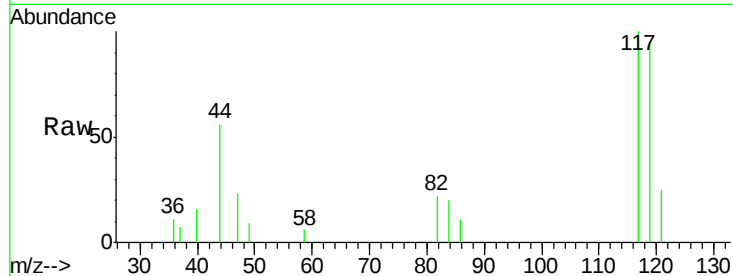
BFST9

Tot Ion:117 Resp: 3456

Ion Ratio Lower Upper

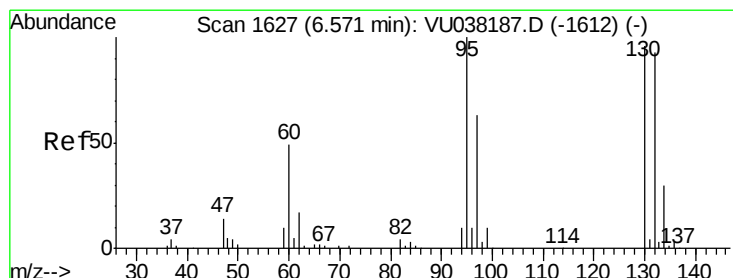
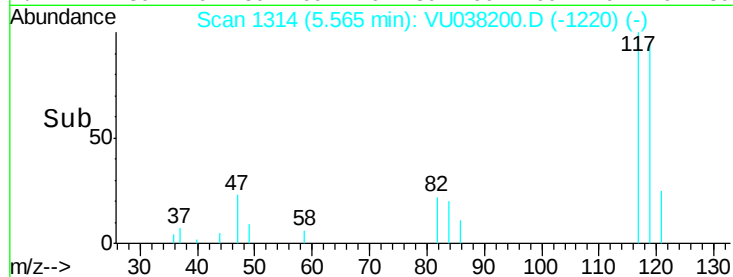
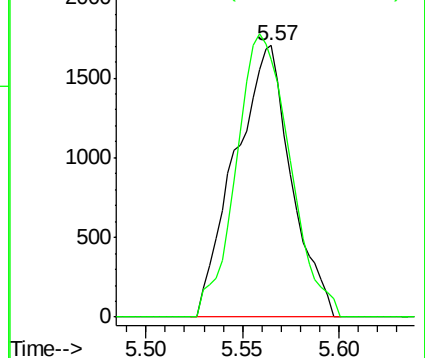
117 100

119 99.4 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 33.581 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Tgt Ion: 95 Resp: 868546

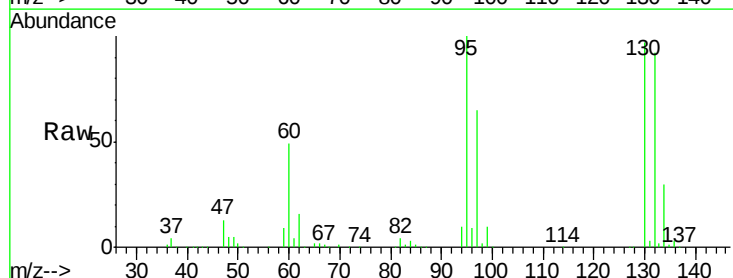
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.3

132 92.2 63.3 117.5

130 97.5 65.7 122.1

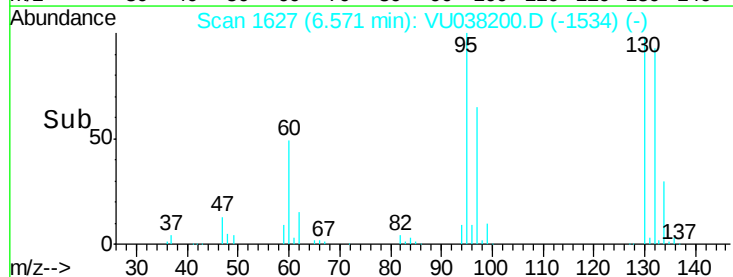
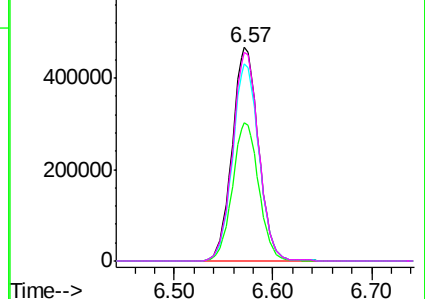


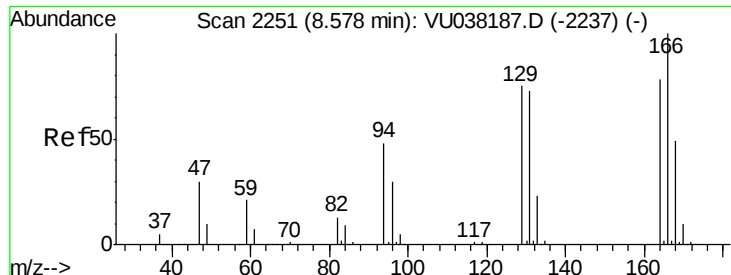
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#47

Tetrachloroethene

Concen: 30.161 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038200.D

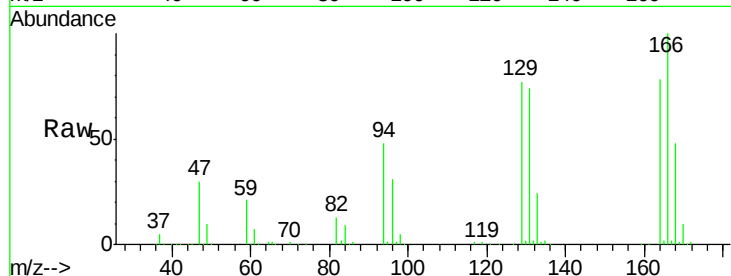
Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

ClientSampleId :

BFST9



Tot Ion:164 Resp: 545642

Ion Ratio Lower Upper

164 100

129 98.9 68.8 127.8

131 95.0 66.8 124.2

166 128.2 88.9 165.1

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

