

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038198.D
 Acq On : 15 May 2020 15:17
 Operator : JC/MD
 Sample : L2657-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST7

Quant Time: May 18 16:11:51 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	330614	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	323079	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	112508	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.93	69	110823	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.59	63	154607	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.66	46	403419	54.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.14%
24) Chloroform-d	5.10	84	213121	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.74	65	130174	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.76	84	452441	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	151026	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.92	98	391747	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.20	79	51953	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.65	63	332540	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	119541	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	146301	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

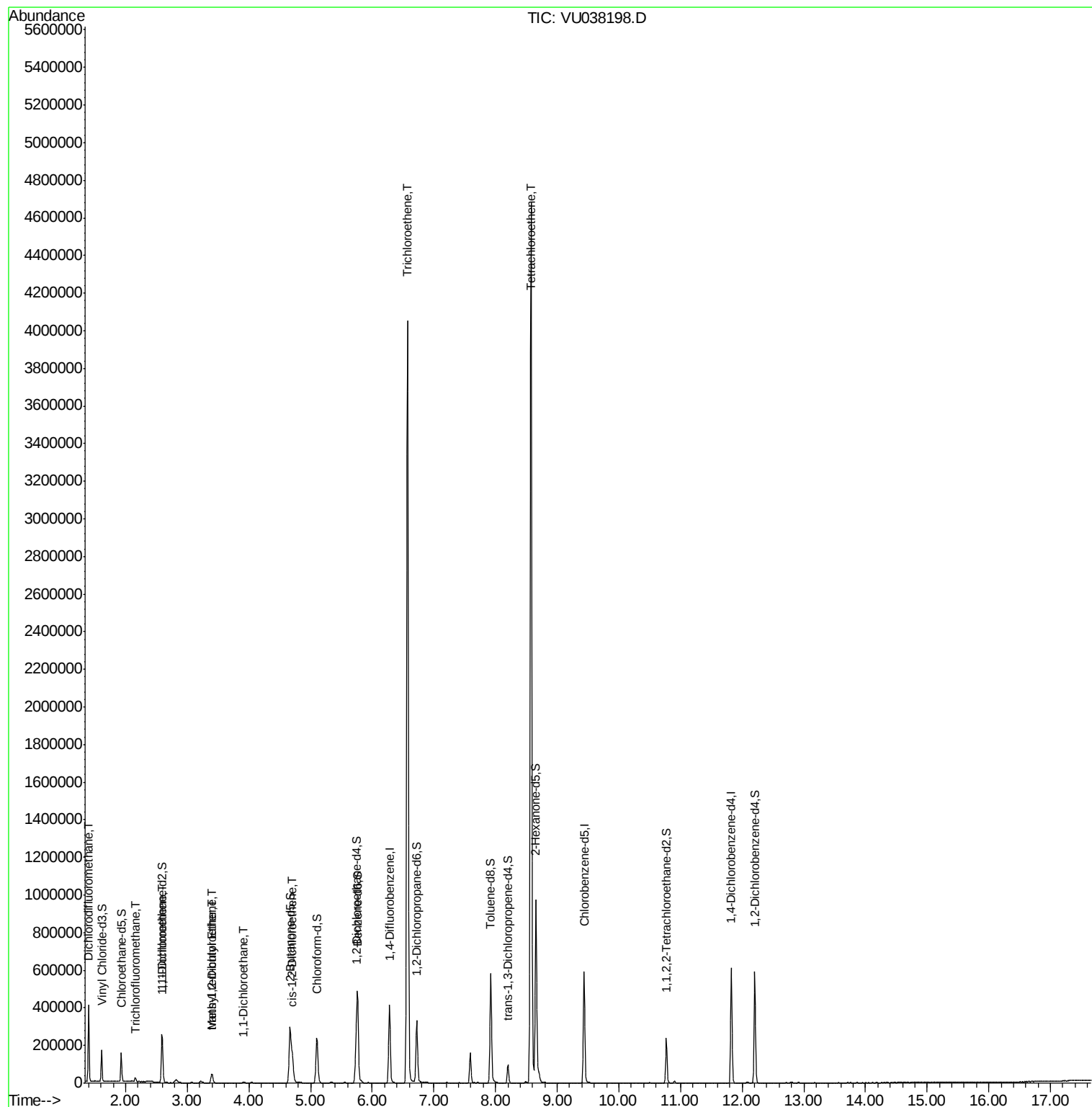
					Ovalue
2) Dichlorodifluoromethane	1.39	85	139213	4.604 ug/L	99
9) Trichlorofluoromethane	2.16	101	12537	0.343 ug/L	100
12) 1,1-Dichloroethene	2.61	96	8591	0.374 ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	43998	0.690 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	2482	0.099 ug/L	80
19) 1,1-Dichloroethane	3.92	63	6373	0.130 ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	58528	2.168 ug/L	100
34) Trichloroethene	6.57	95	1361779	52.627 ug/L	98
47) Tetrachloroethene	8.57	164	1031355	56.983 ug/L	99

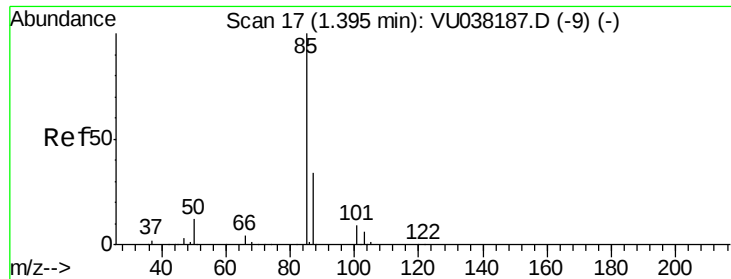
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.604 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

Instrument :

MSVOA_U

ClientSampleId :

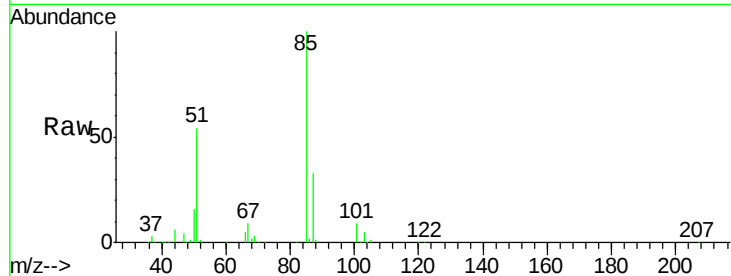
BFST7

Tot Ion: 85 Resp: 139213

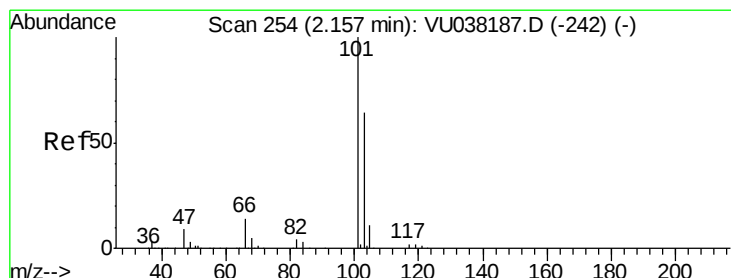
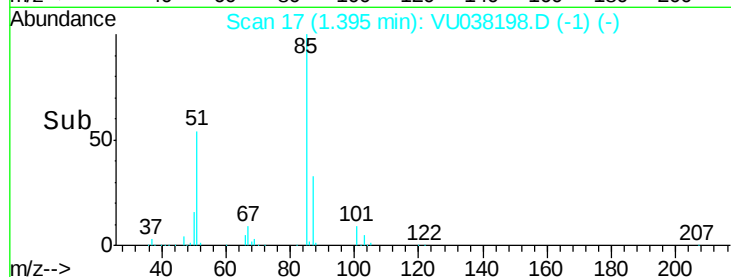
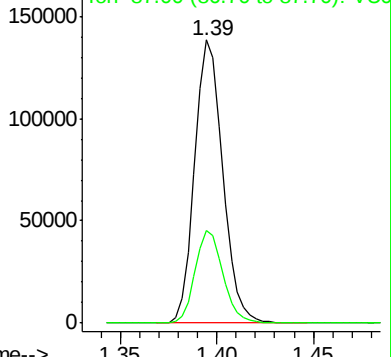
Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



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



#9

Trichlorofluoromethane

Concen: 0.343 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038198.D

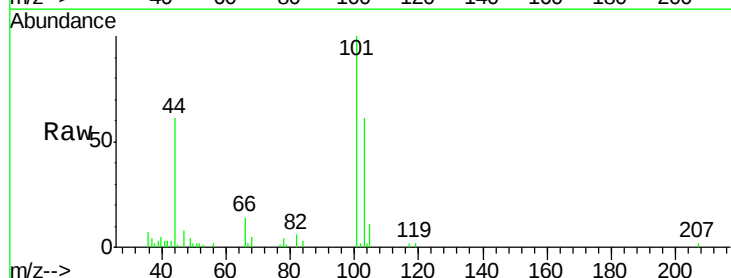
Acq: 15 May 2020 15:17

Tgt Ion: 101 Resp: 12537

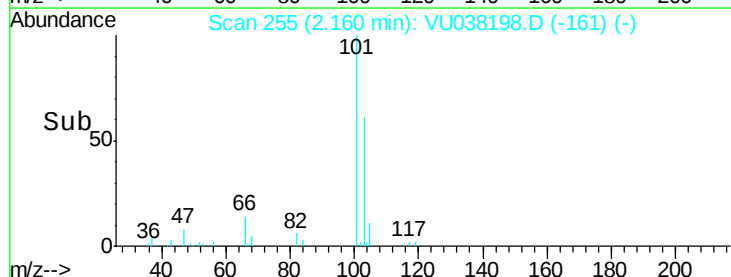
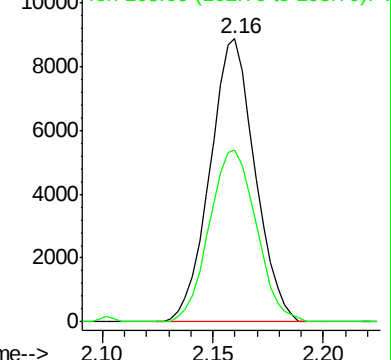
Ion Ratio Lower Upper

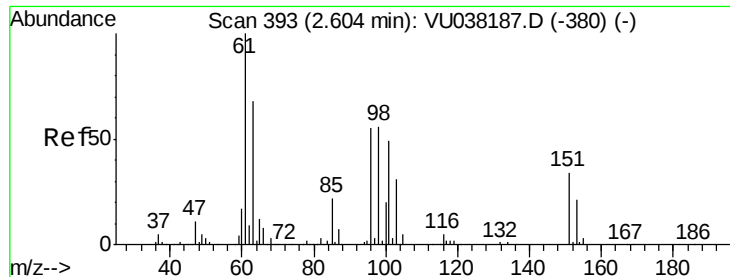
101 100

103 63.3 51.0 76.4



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





#12

1,1-Dichloroethene

Concen: 0.374 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

Instrument :

MSVOA_U

ClientSampleId :

BFST7

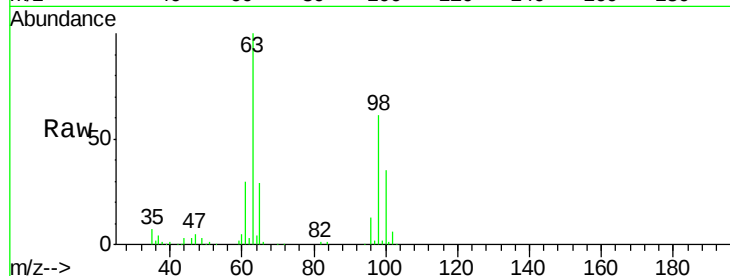
Tot Ion: 96 Resp: 8591

Ion Ratio Lower Upper

96 100

61 239.5 126.2 234.4#

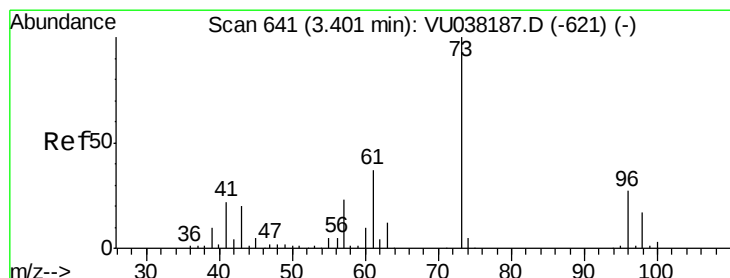
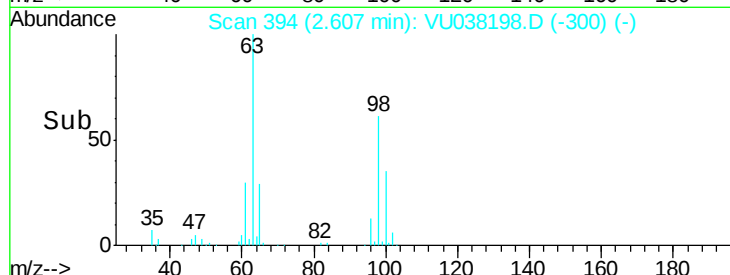
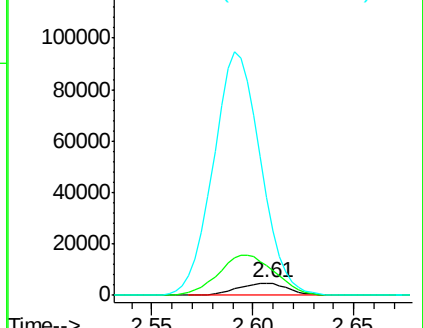
63 786.9 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038198.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU038198.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038198.D (-300) (-)



#17

Methyl tert-butyl Ether

Concen: 0.690 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

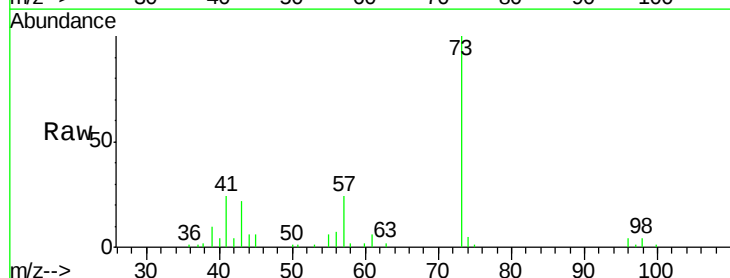
Tgt Ion: 73 Resp: 43998

Ion Ratio Lower Upper

73 100

43 22.1 16.9 25.3

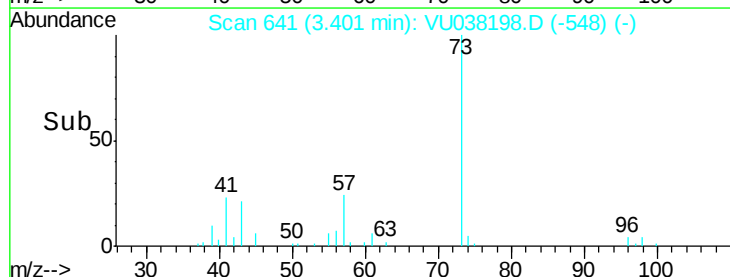
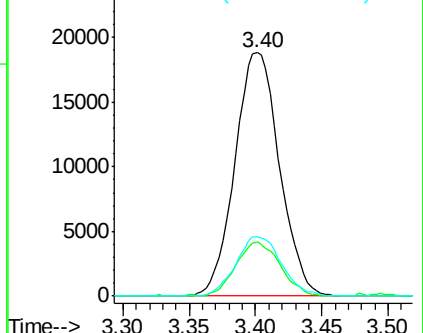
57 25.0 18.2 27.2

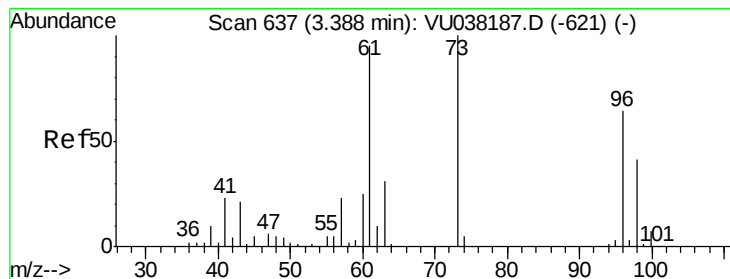


Abundance Ion 73.10 (72.80 to 73.80): VU038198.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038198.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038198.D (-548) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.099 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

Instrument :

MSVOA_U

ClientSampleId :

BFST7

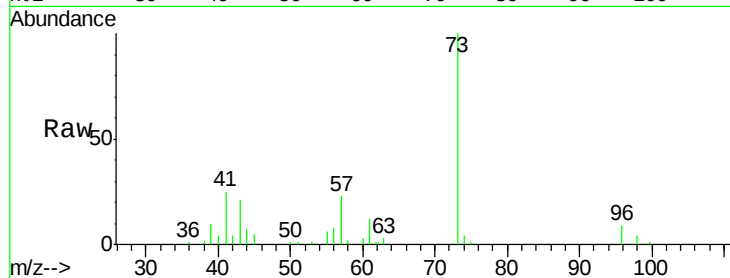
Tot Ion: 96 Resp: 2482

Ion Ratio Lower Upper

96 100

61 122.5 102.1 189.5

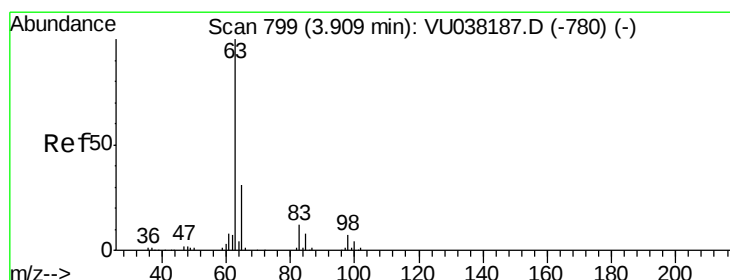
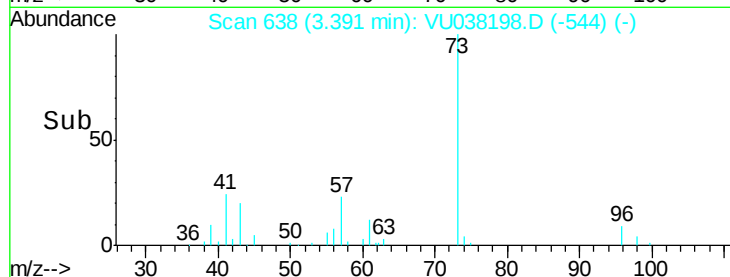
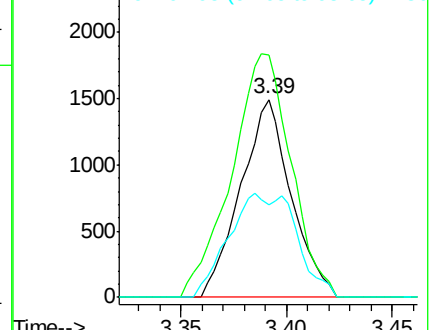
98 46.8 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038187.D (-621) (-)

Ion 61.05 (60.75 to 61.75): VU038187.D (-621) (-)

Ion 97.95 (97.65 to 98.65): VU038187.D (-621) (-)



#19

1,1-Dichloroethane

Concen: 0.130 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.01 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

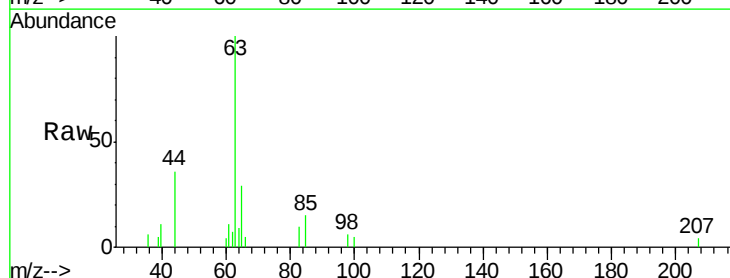
Tgt Ion: 63 Resp: 6373

Ion Ratio Lower Upper

63 100

65 28.7 22.5 41.7

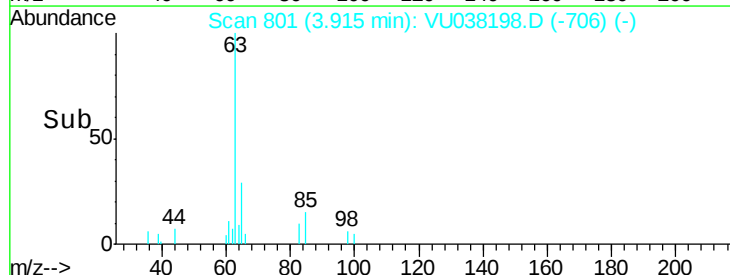
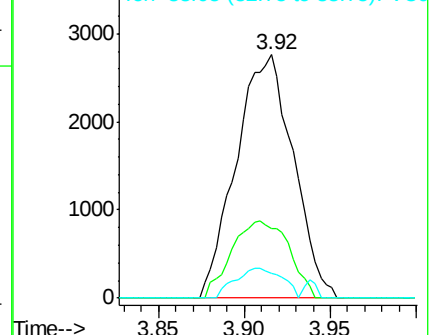
83 10.3 8.9 16.5

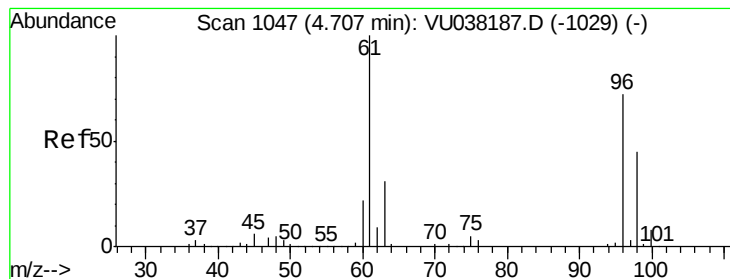


Abundance Ion 63.10 (62.80 to 63.80): VU038187.D (-780) (-)

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: 2.168 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

Instrument :

MSVOA_U

ClientSampleId :

BFST7

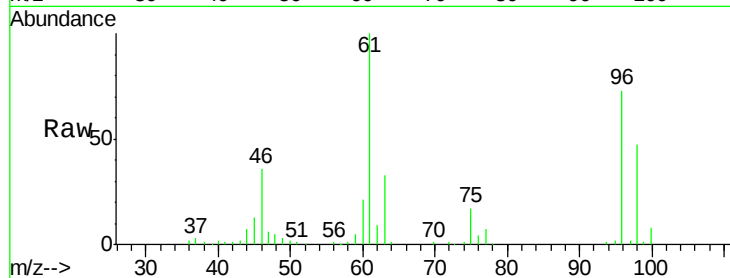
Tot Ion: 96 Resp: 58528

Ion Ratio Lower Upper

96 100

61 136.2 95.3 176.9

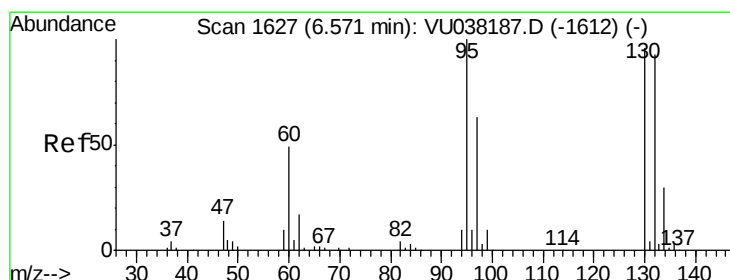
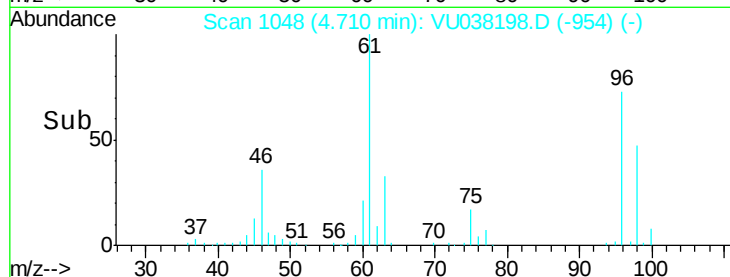
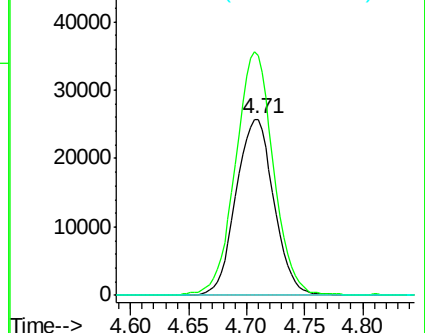
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038198.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU038198.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU038198.D (-1534) (-)



#34

Trichloroethene

Concen: 52.627 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

Tgt Ion: 95 Resp: 1361779

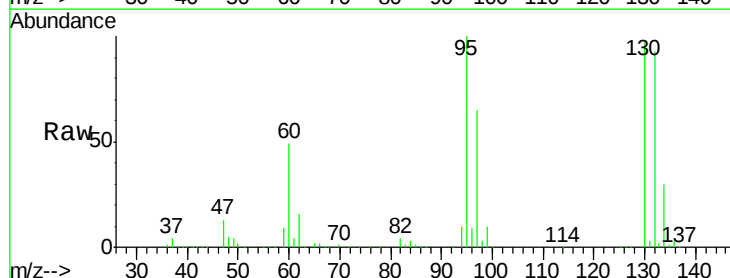
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.3

132 92.7 63.3 117.5

130 97.2 65.7 122.1

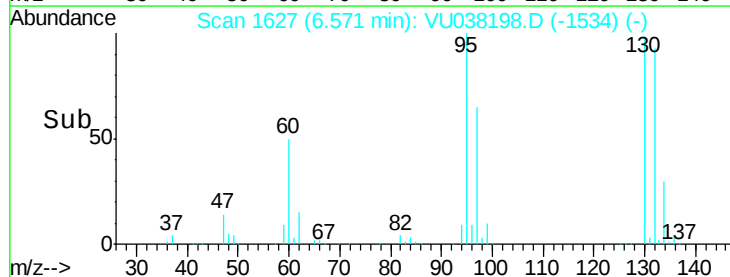
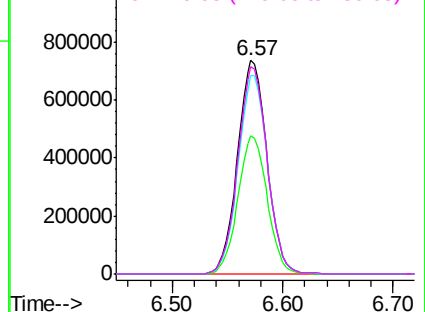


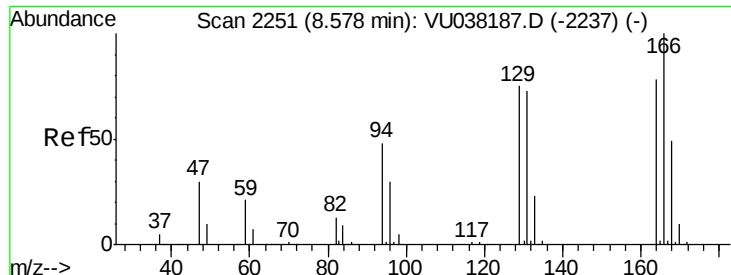
Abundance Ion 95.00 (94.70 to 95.70): VU038198.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038198.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038198.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038198.D (-1534) (-)





#47

Tetrachloroethene

Concen: 56.983 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038198.D

Acq: 15 May 2020 15:17

Instrument :

MSVOA_U

ClientSampleId :

BFST7

Tot Ion:164 Resp: 1031355

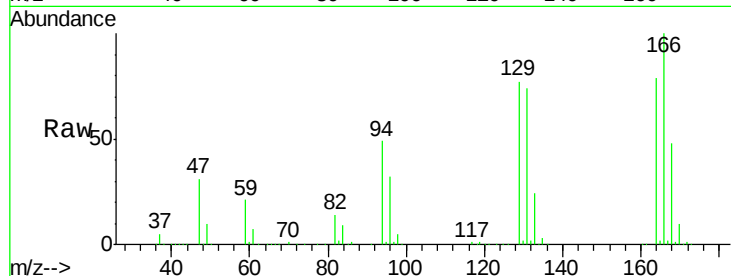
Ion Ratio Lower Upper

164 100

129 98.1 68.8 127.8

131 93.5 66.8 124.2

166 126.6 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

