

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038199.D
 Acq On : 15 May 2020 15:40
 Operator : JC/MD
 Sample : L2657-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST8

Quant Time: May 16 06:36:04 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	319522	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	309958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	146516	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114704	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.93	69	113405	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.59	63	146151	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.67	46	419891	58.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.46%
24) Chloroform-d	5.10	84	217599	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.74	65	132244	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.76	84	455882	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.72	67	151937	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.92	98	394467	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.20	79	52737	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.65	63	346365	61.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.16%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122407	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	148890	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

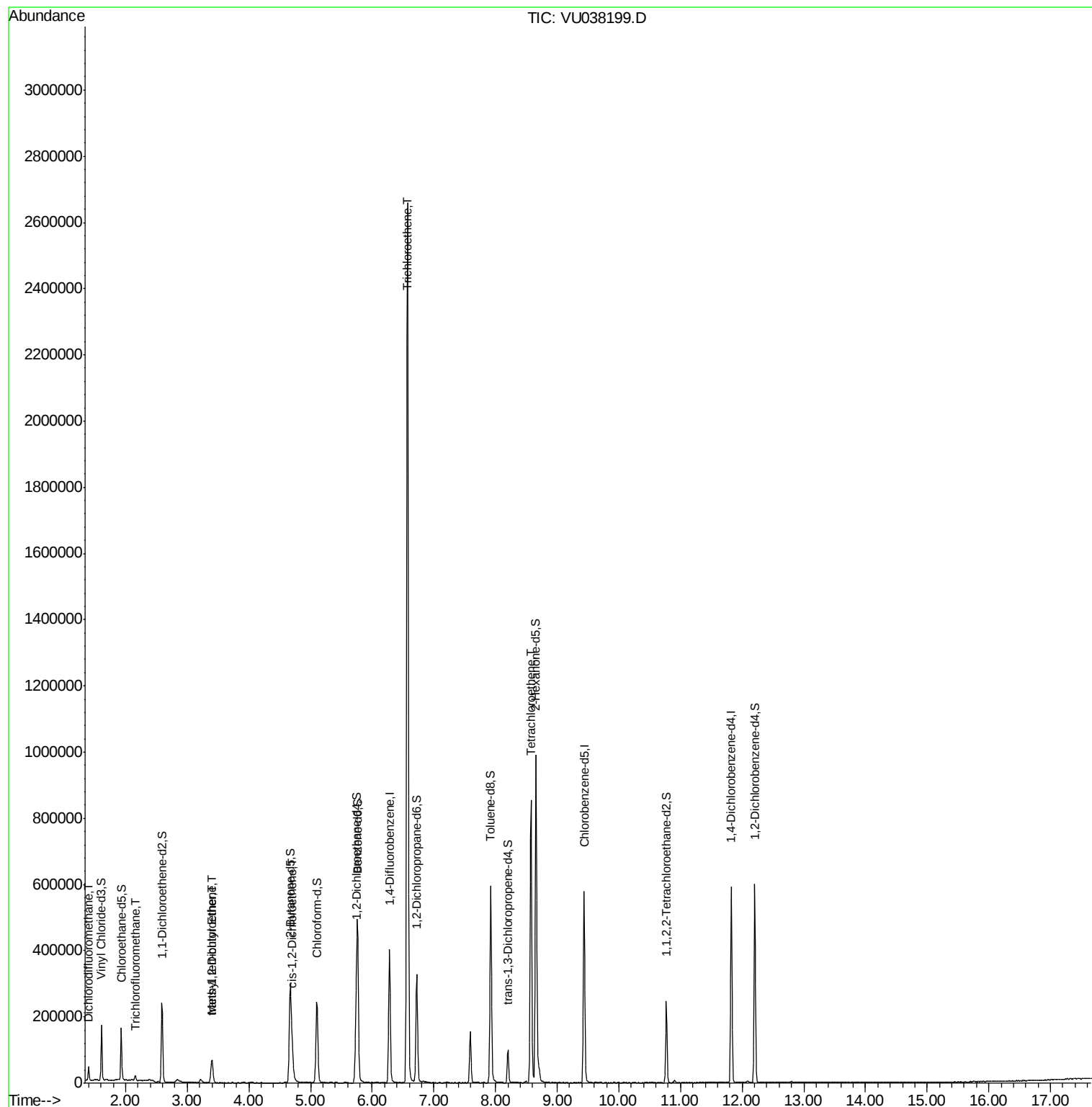
					Ovalue
2) Dichlorodifluoromethane	1.39	85	14669	0.502 ug/L	99
9) Trichlorofluoromethane	2.16	101	8268	0.234 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	71038	1.153 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2193	0.091 ug/L	91
22) cis-1,2-Dichloroethene	4.71	96	30063	1.152 ug/L	96
34) Trichloroethene	6.57	95	895585	36.075 ug/L	98
47) Tetrachloroethene	8.57	164	187549	10.801 ug/L	99

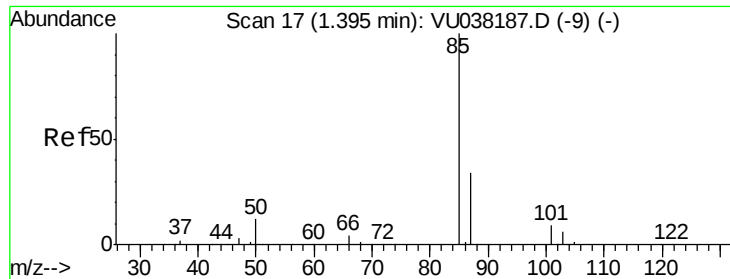
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.502 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038199.D

Acq: 15 May 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

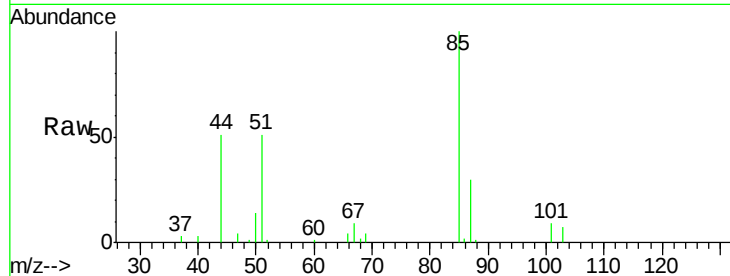
BFST8

Tot Ion: 85 Resp: 14669

Ion Ratio Lower Upper

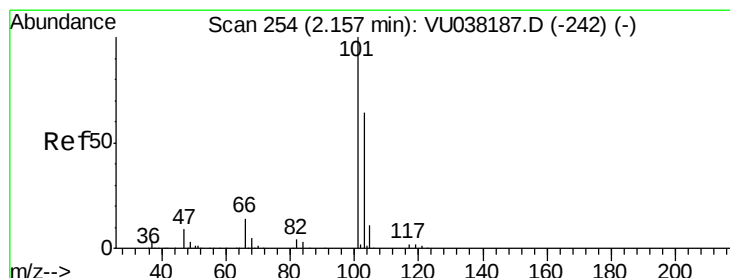
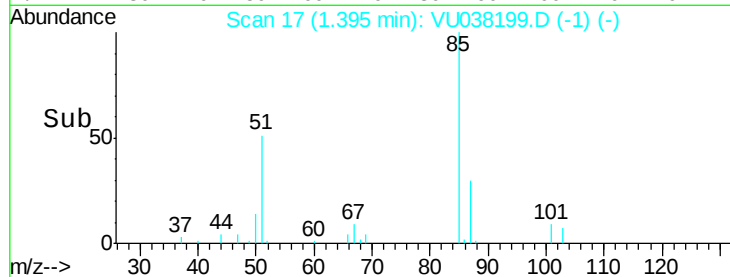
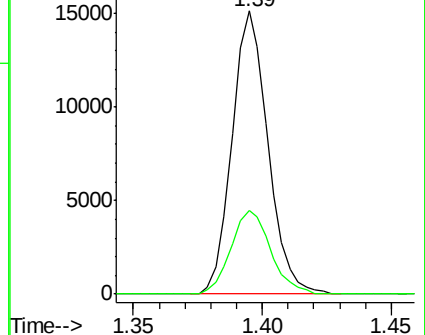
85 100

87 32.4 26.2 39.4



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

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



#9

Trichlorofluoromethane

Concen: 0.234 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038199.D

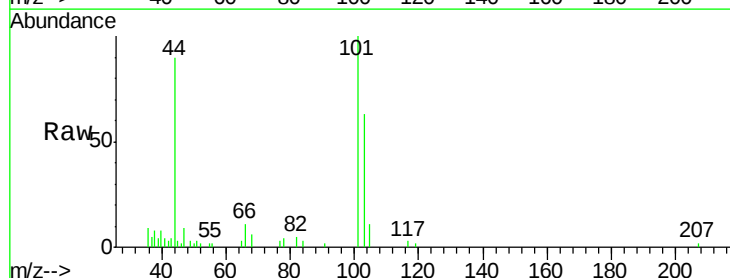
Acq: 15 May 2020 15:40

Tgt Ion: 101 Resp: 8268

Ion Ratio Lower Upper

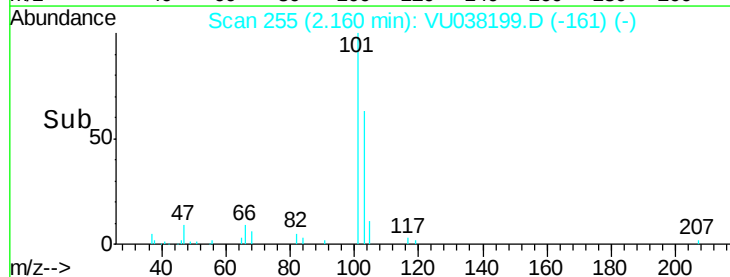
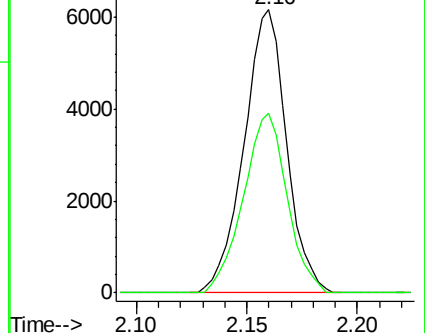
101 100

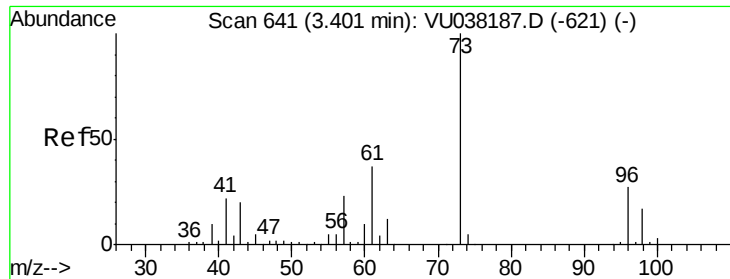
103 65.1 51.0 76.4



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

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

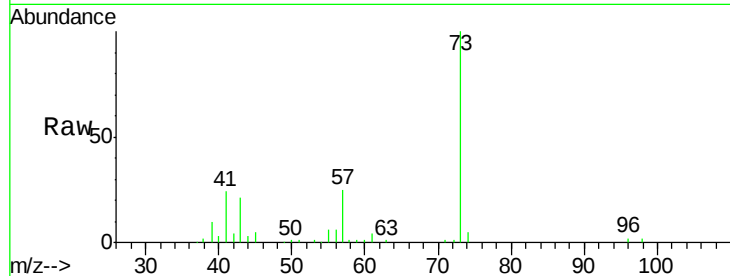




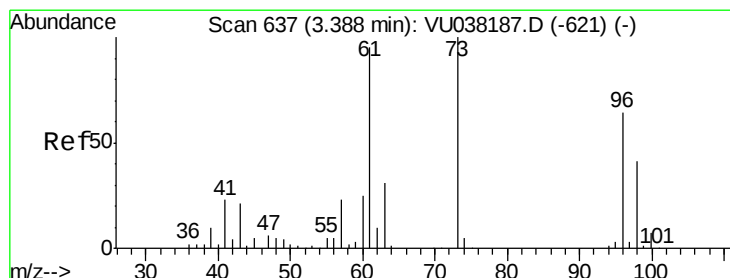
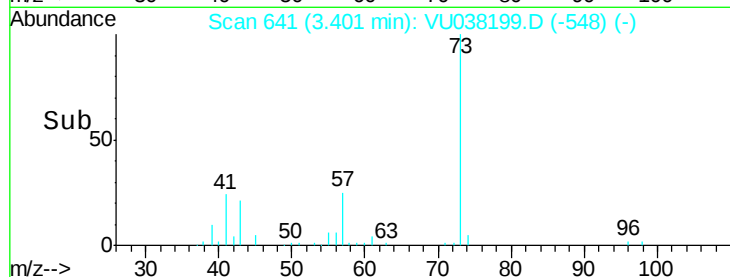
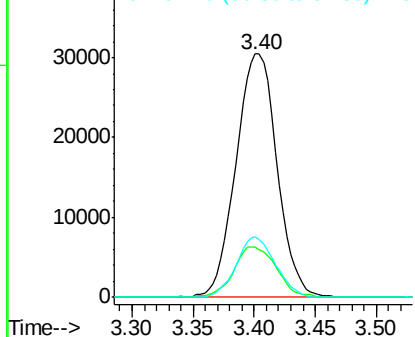
#17
Methvl tert-butvl Ether
Concen: 1.153 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038199.D
Acq: 15 May 2020 15:40

Instrument :
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ClientSampleId :
BFST8

Tot Ion: 73 Resp: 71038
Ion Ratio Lower Upper
73 100
43 21.6 16.9 25.3
57 23.6 18.2 27.2

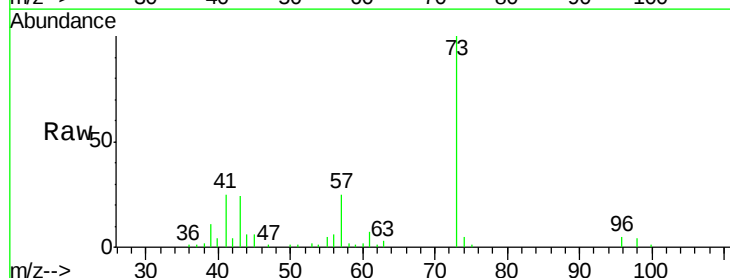


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

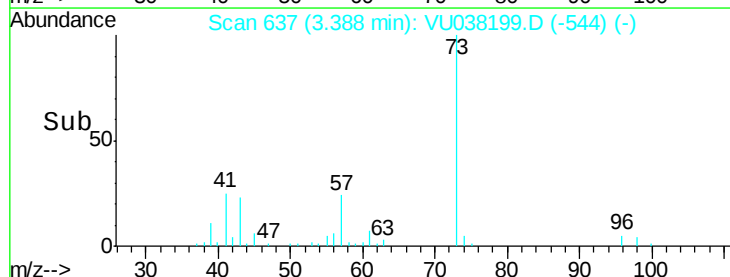
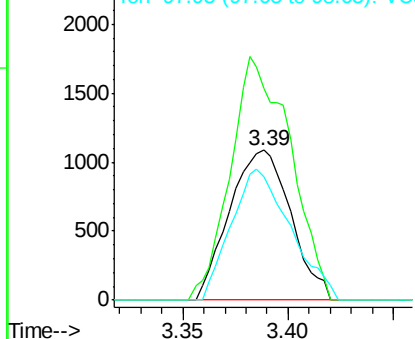


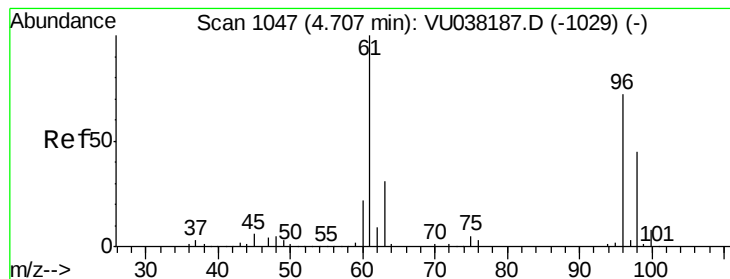
#18
trans-1,2-Dichloroethene
Concen: 0.091 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038199.D
Acq: 15 May 2020 15:40

Tgt Ion: 96 Resp: 2193
Ion Ratio Lower Upper
96 100
61 140.9 102.1 189.5
98 82.4 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





#22

cis-1,2-Dichloroethene

Concen: 1.152 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038199.D

Acq: 15 May 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

BFST8

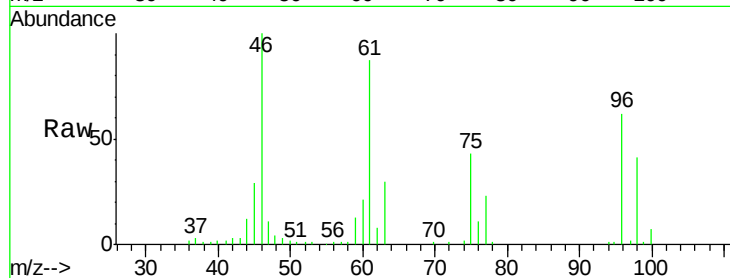
Tot Ion: 96 Resp: 30063

Ion Ratio Lower Upper

96 100

61 141.3 95.3 176.9

68 0.0 0.0 0.0

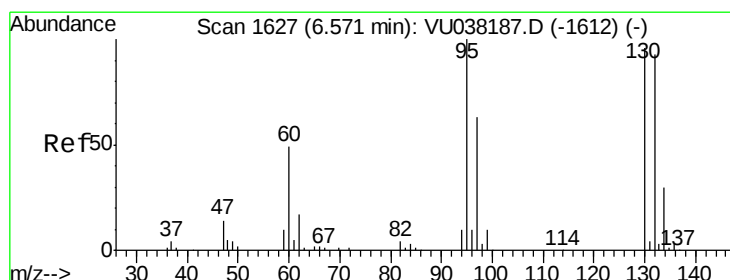
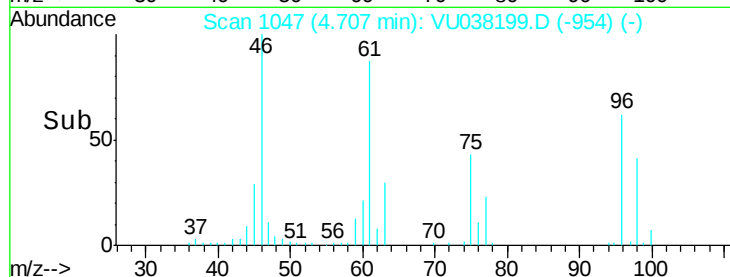
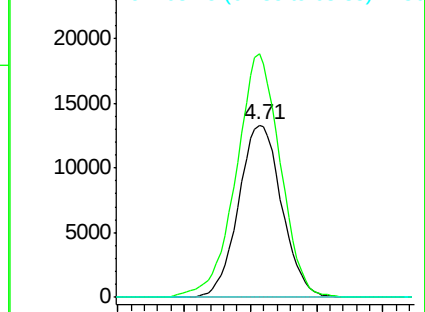


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 36.075 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038199.D

Acq: 15 May 2020 15:40

Tgt Ion: 95 Resp: 895585

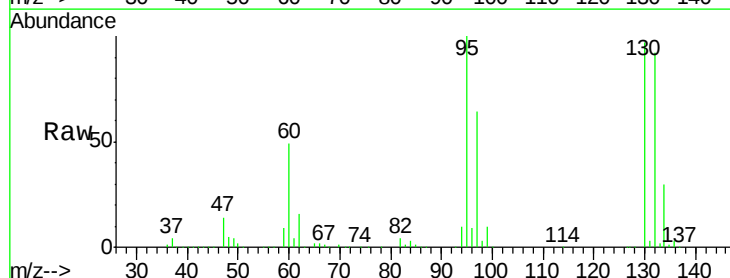
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.3

132 92.4 63.3 117.5

130 97.1 65.7 122.1



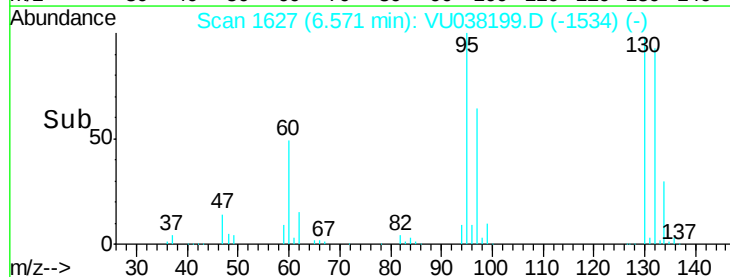
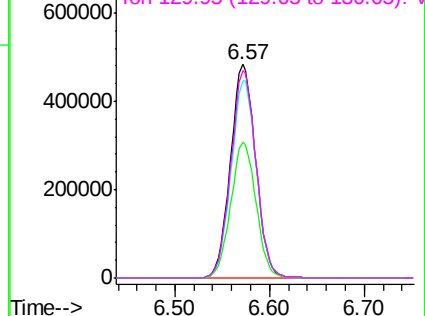
Abundance

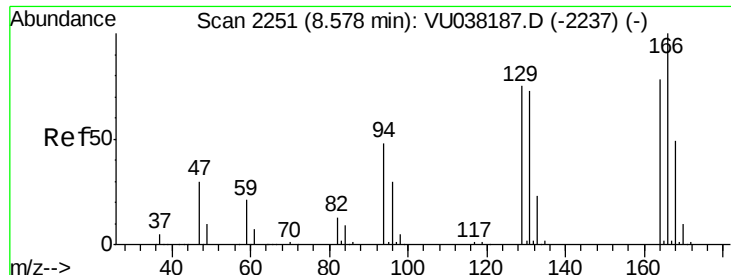
Ion 95.00 (94.70 to 95.70): VU0

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: 10.801 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038199.D

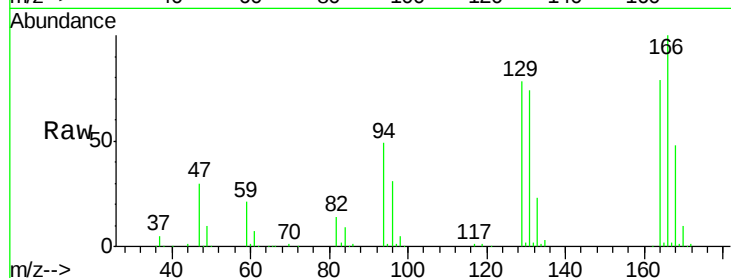
Acq: 15 May 2020 15:40

Instrument :

MSVOA_U

ClientSampleId :

BFST8



Tot Ion:164 Resp: 187549

Ion Ratio Lower Upper

164 100

129 98.7 68.8 127.8

131 93.8 66.8 124.2

166 127.1 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

