

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038878.D
 Acq On : 13 Jun 2020 03:13
 Operator : SY/MD
 Sample : L2985-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 04:00:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 02:52:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261293	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	267105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	122344	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59098	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	62112	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.59	63	72765	2.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.00%#
20) 2-Butanone-d5	4.68	46	313016	70.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.06%#
24) Chloroform-d	5.10	84	172902	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.74	65	107708	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.80%
32) Benzene-d6	5.76	84	325846	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.72	67	106757	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.92	98	260265	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.20	79	37283	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.65	63	260393	70.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	141.34%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	97398	5.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	110100	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

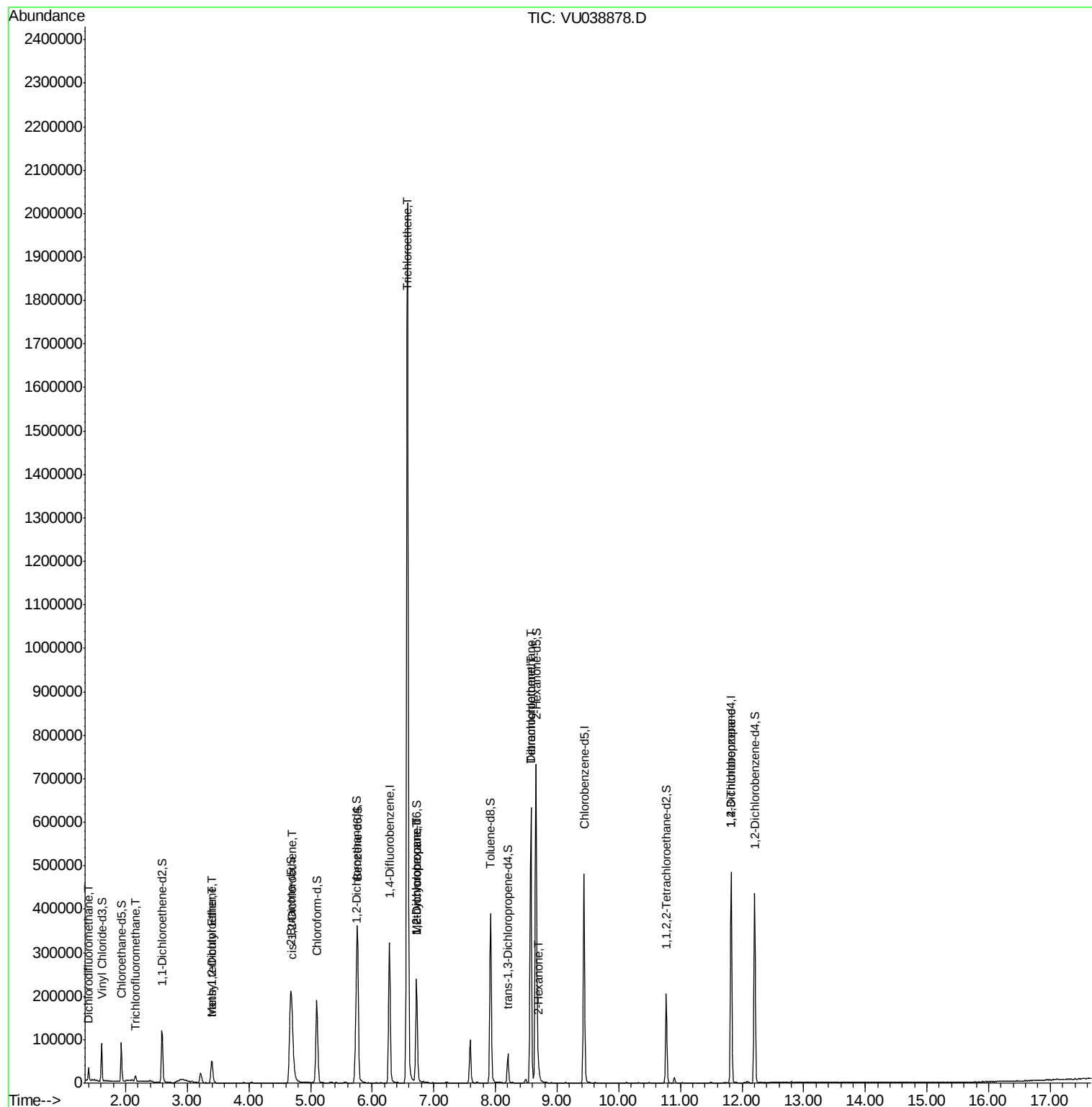
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	9690	0.381	ug/L	98
9) Trichlorofluoromethane	2.16	101	7648	0.231	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	51660	1.096	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	2021	0.103	ug/L #	78
22) cis-1,2-Dichloroethene	4.71	96	22417	1.095	ug/L	96
34) Trichloroethene	6.57	95	683232	32.417	ug/L	98
35) Methylcyclohexane	6.72	83	26197	0.799	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12158	0.598	ug/L #	86
47) Tetrachloroethene	8.57	164	141642	8.729	ug/L	97
48) 2-Hexanone	8.70	43	10657	1.020	ug/L #	92
49) Dibromochloromethane	8.57	129	132685	7.665	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15099	1.001	ug/L #	84

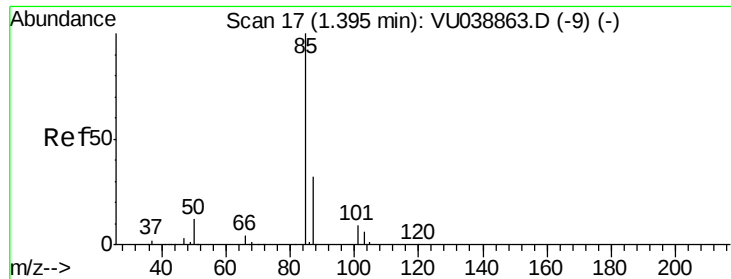
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.381 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038878.D

Acq: 13 Jun 2020 03:13

Instrument :

MSVOA_U

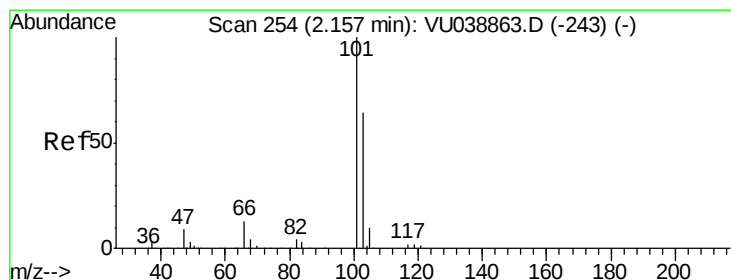
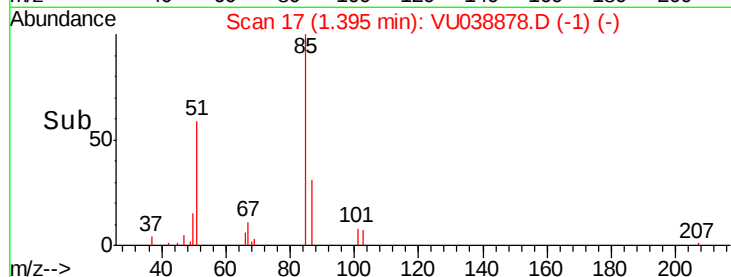
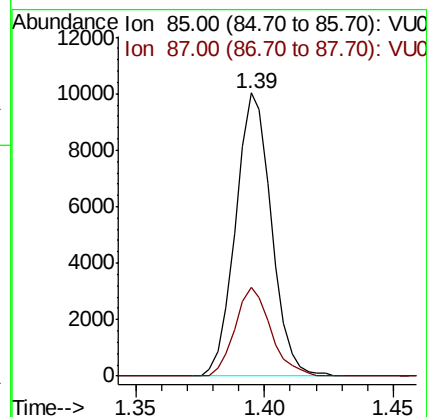
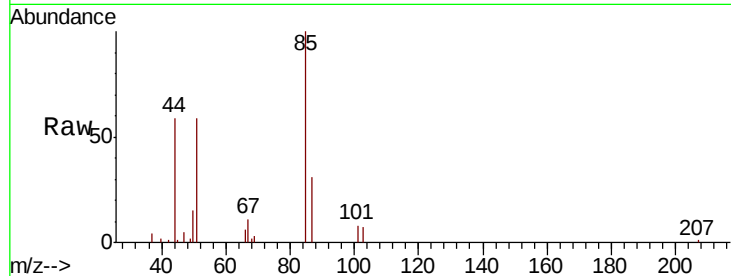
ClientSampleId :

Tot Ion: 85 Resp: 9690

Ion Ratio Lower Upper

85 100

87 31.3 25.9 38.9



#9

Trichlorofluoromethane

Concen: 0.231 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038878.D

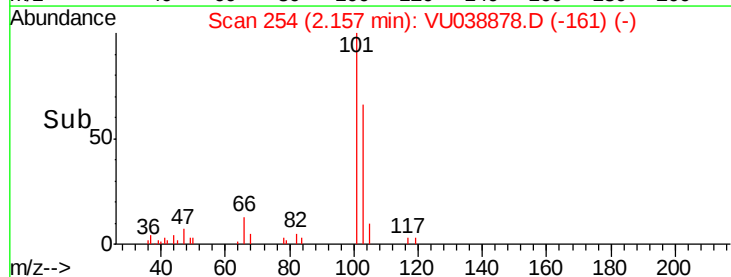
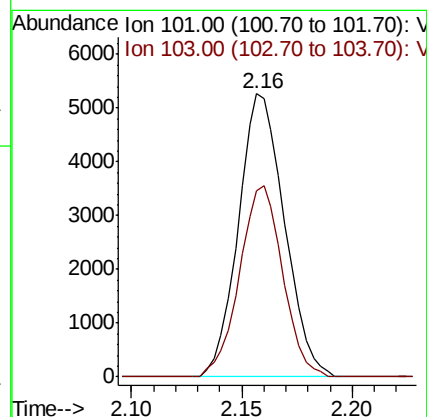
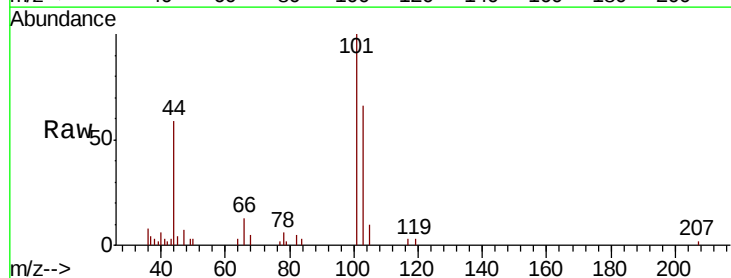
Acq: 13 Jun 2020 03:13

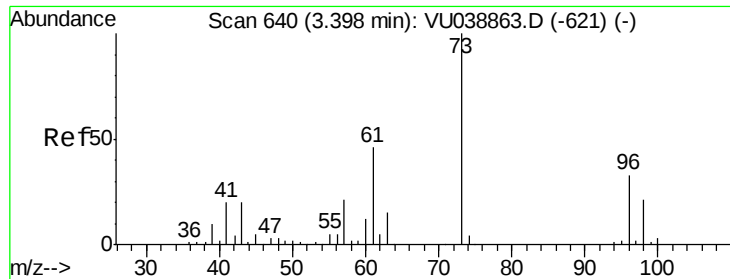
Tgt Ion: 101 Resp: 7648

Ion Ratio Lower Upper

101 100

103 63.2 51.5 77.3

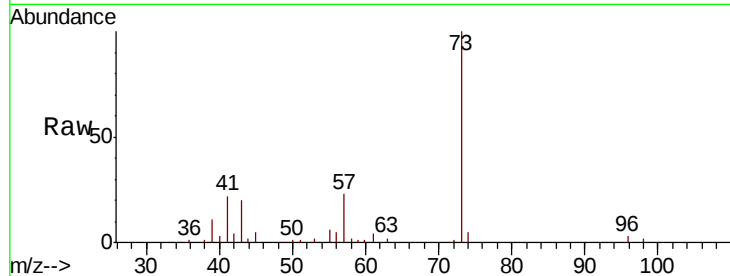




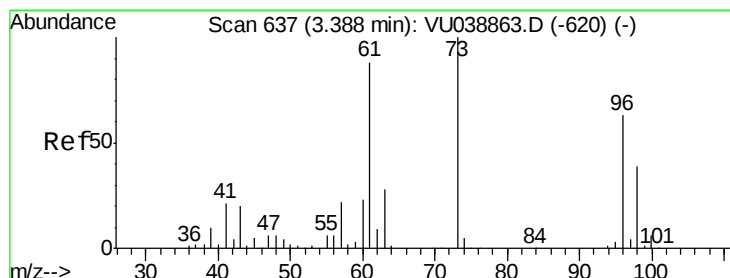
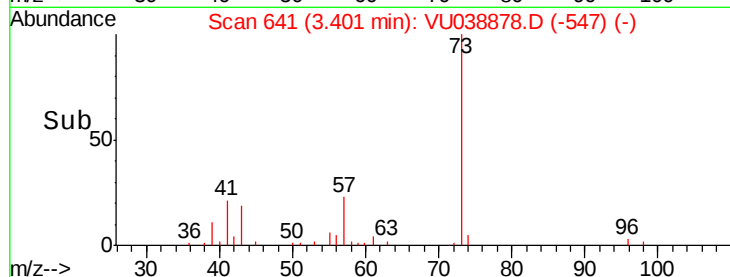
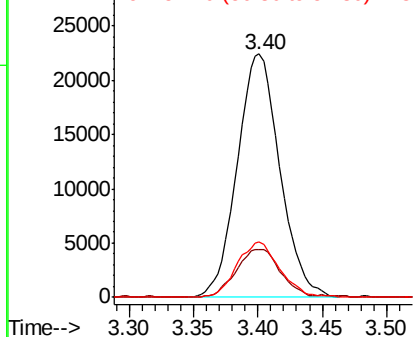
#17
Methvl tert-butvl Ether
Concen: 1.096 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038878.D
Acq: 13 Jun 2020 03:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 51660
Ion Ratio Lower Upper
73 100
43 20.5 15.9 23.9
57 22.6 17.5 26.3

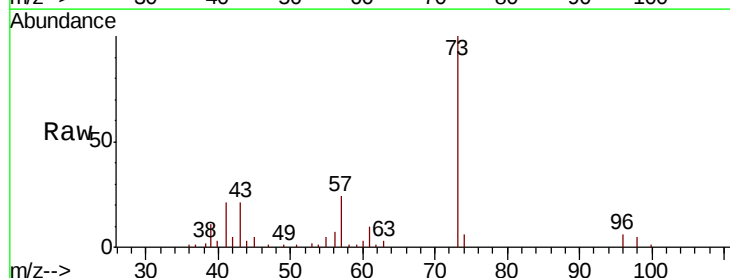


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

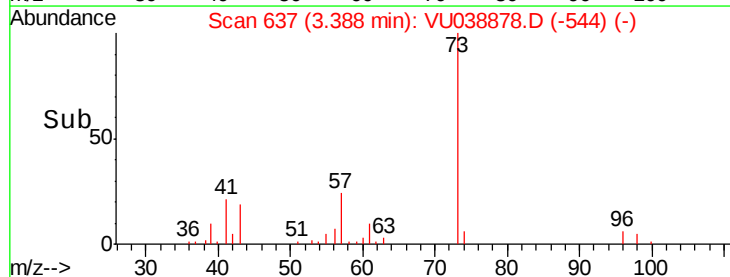
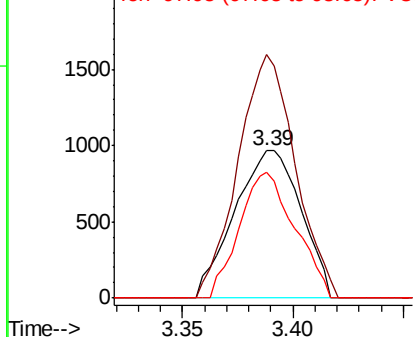


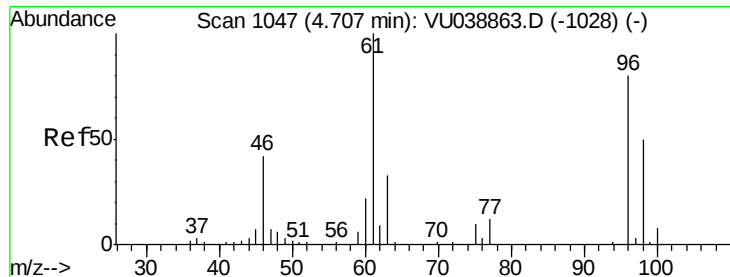
#18
trans-1,2-Dichloroethene
Concen: 0.103 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038878.D
Acq: 13 Jun 2020 03:13

Tgt Ion: 96 Resp: 2021
Ion Ratio Lower Upper
96 100
61 165.1 99.3 184.5
98 85.7 43.9 81.5#



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

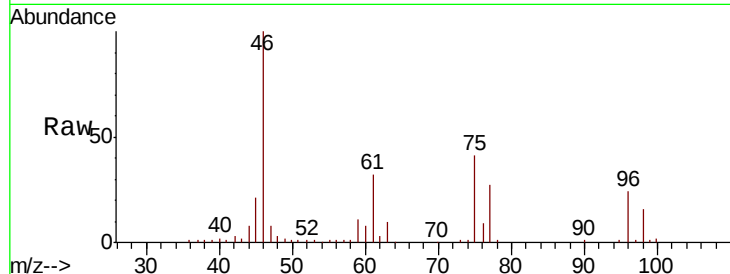




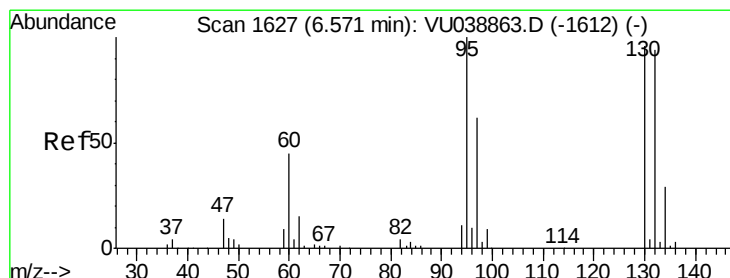
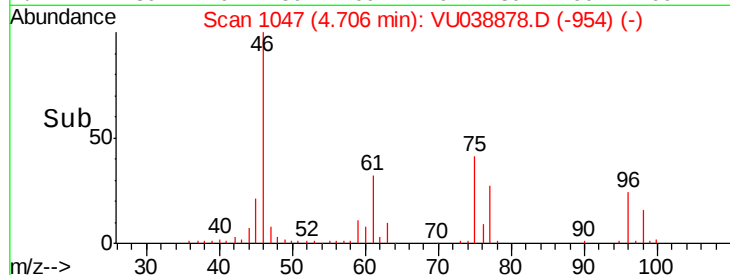
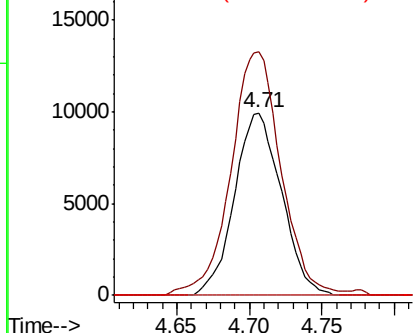
#22
 cis-1,2-Dichloroethene
 Concen: 1.095 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038878.D
 Acq: 13 Jun 2020 03:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 22417
 Ion Ratio Lower Upper
 96 100
 61 133.3 89.7 166.7
 68 0.0 0.0 0.0

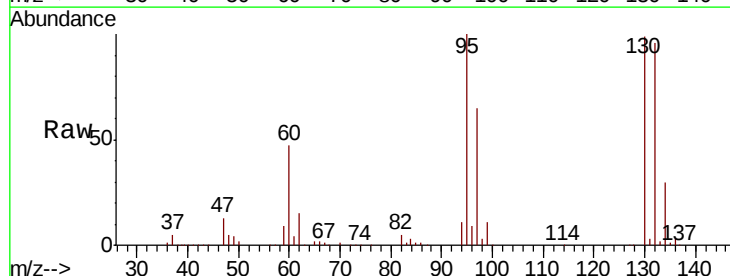


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

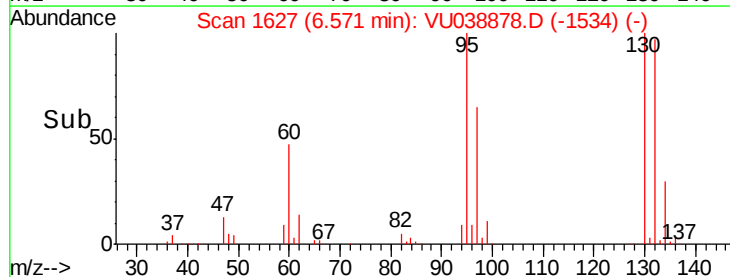
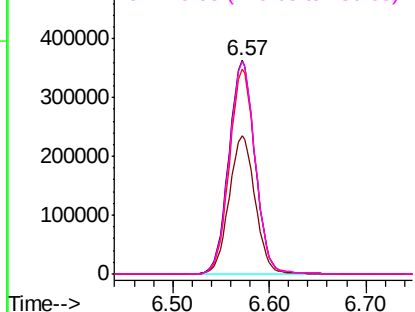


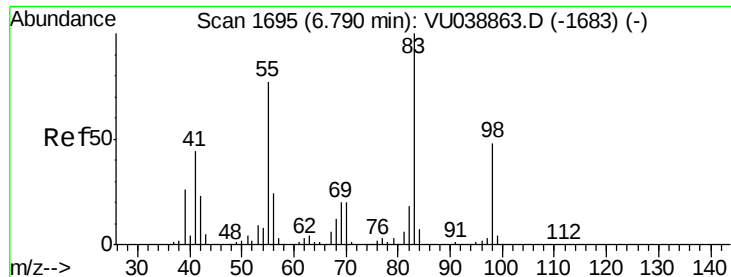
#34
 Trichloroethene
 Concen: 32.417 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038878.D
 Acq: 13 Jun 2020 03:13

Tgt Ion: 95 Resp: 683232
 Ion Ratio Lower Upper
 95 100
 97 64.7 46.1 85.5
 132 95.9 67.5 125.3
 130 99.3 66.7 123.9



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





#35

Methylcyclohexane

Concen: 0.799 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038878.D

Acq: 13 Jun 2020 03:13

Instrument :
MSVOA_U
ClientSampleId :

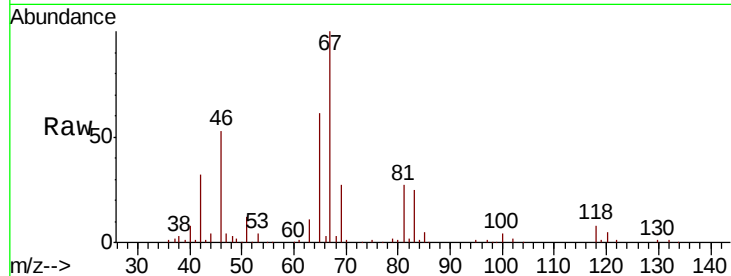
Tot Ion: 83 Resp: 26197

Ion Ratio Lower Upper

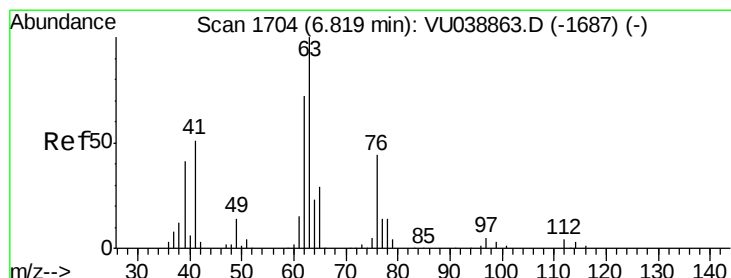
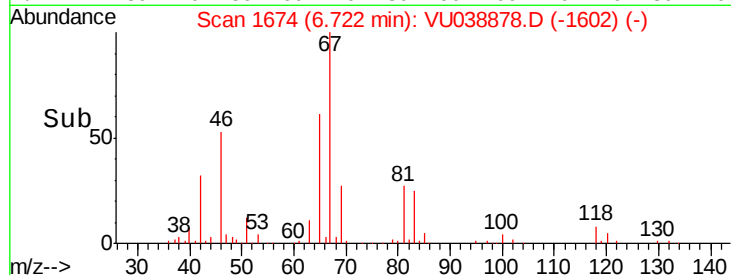
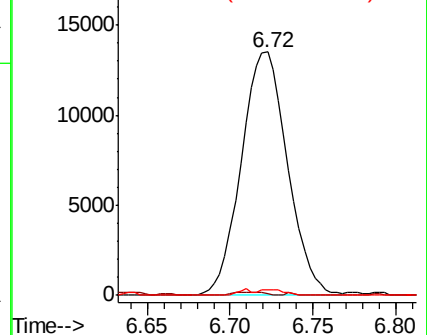
83 100

55 0.8 64.2 96.2#

98 0.0 40.5 60.7#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.598 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038878.D

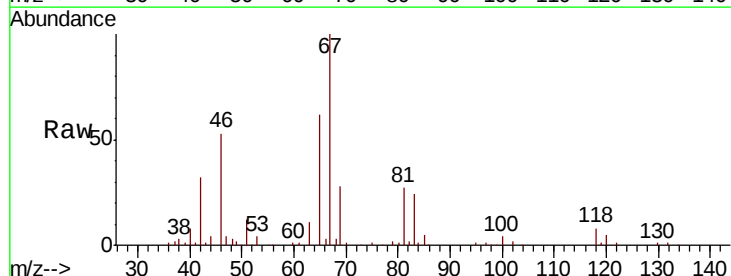
Acq: 13 Jun 2020 03:13

Tgt Ion: 63 Resp: 12158

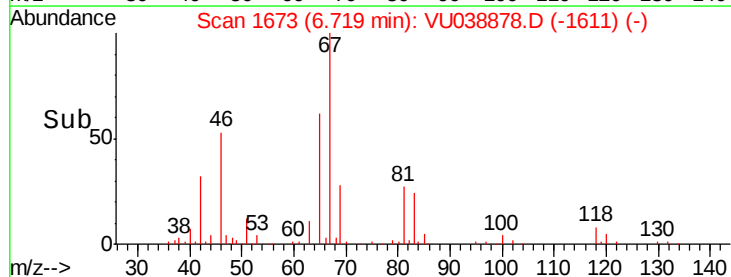
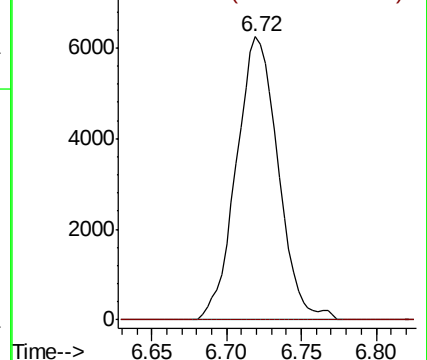
Ion Ratio Lower Upper

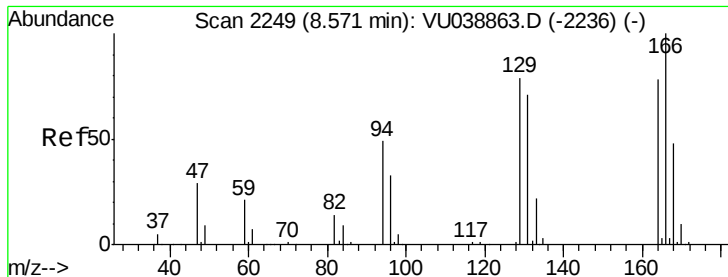
63 100

112 0.2 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 8.729 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038878.D

Acq: 13 Jun 2020 03:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 141642

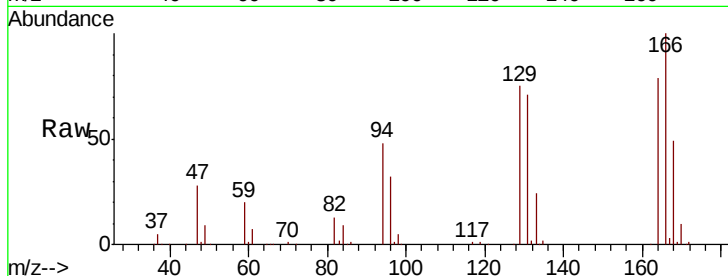
Ion Ratio Lower Upper

164 100

129 94.4 67.3 124.9

131 89.2 65.0 120.6

166 125.8 91.0 169.0



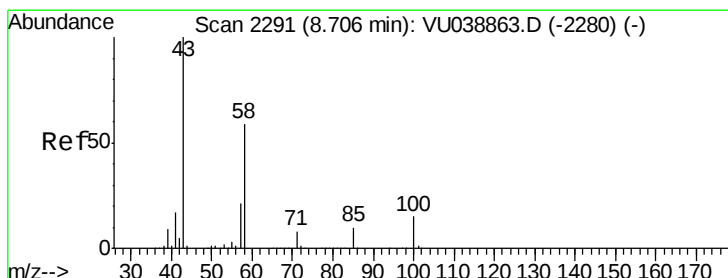
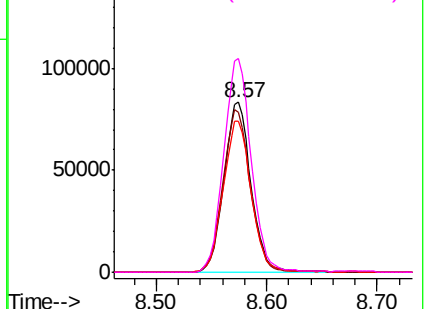
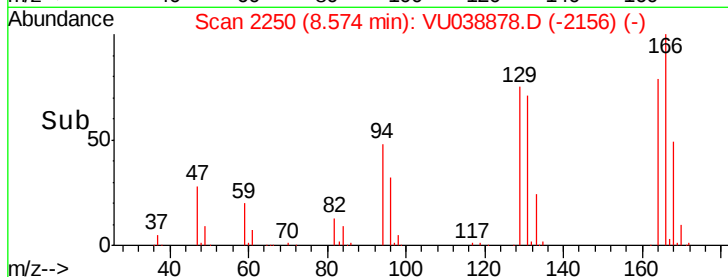
Abundance

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



#48

2-Hexanone

Concen: 1.020 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU038878.D

Acq: 13 Jun 2020 03:13

Tgt Ion: 43 Resp: 10657

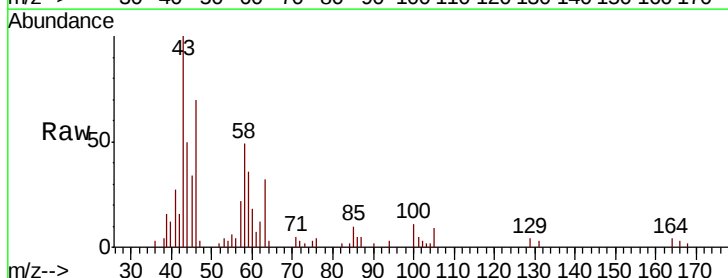
Ion Ratio Lower Upper

43 100

58 50.6 44.8 67.2

57 25.1 16.2 24.2#

100 11.8 10.6 16.0



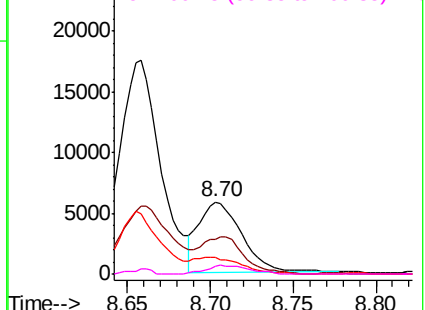
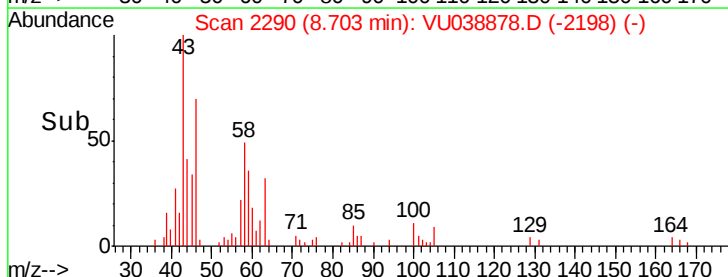
Abundance

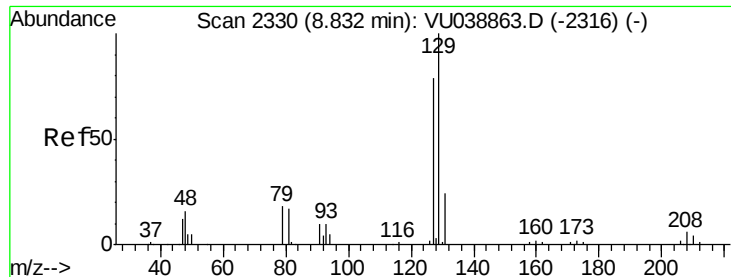
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 7.665 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038878.D

Acq: 13 Jun 2020 03:13

Instrument :

MSVOA_U

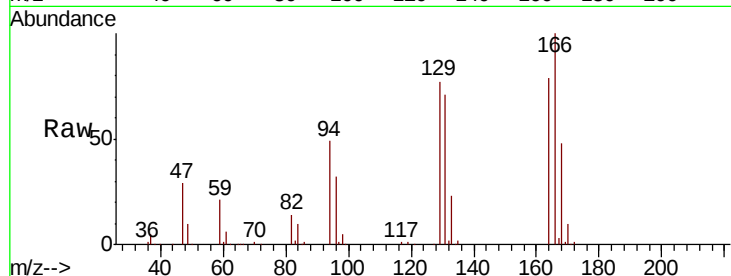
ClientSampled :

Tot Ion:129 Resp: 132685

Ion Ratio Lower Upper

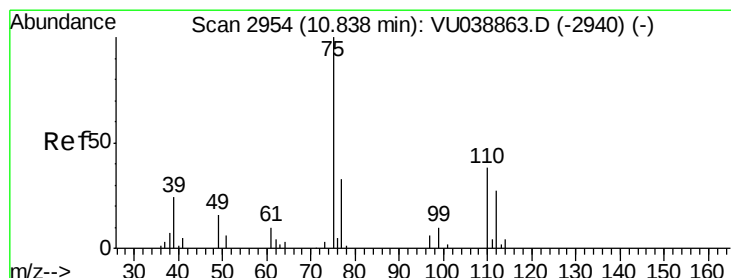
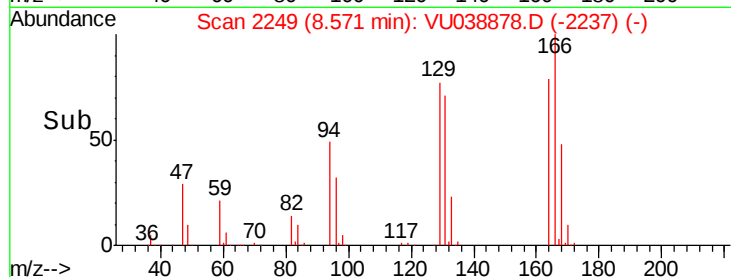
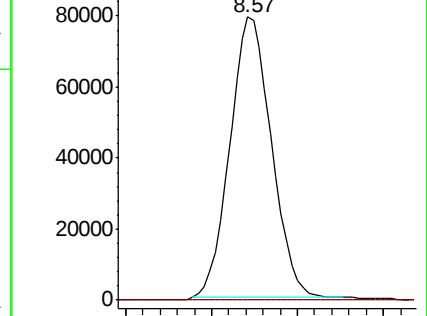
129 100

127 0.2 55.5 103.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.001 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038878.D

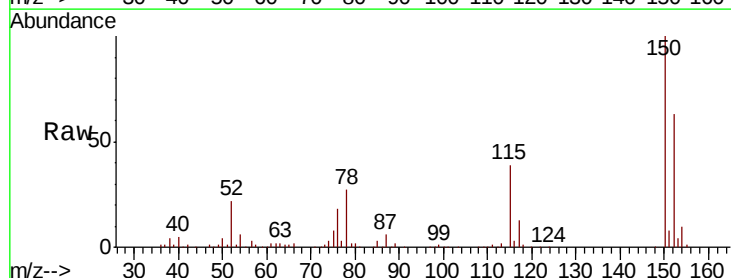
Acq: 13 Jun 2020 03:13

Tgt Ion: 75 Resp: 15099

Ion Ratio Lower Upper

75 100

77 41.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

