

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038466.D
 Acq On : 01 Jun 2020 13:24
 Operator : JC/MD
 Sample : L2789-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:28:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	298729	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	292971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	139679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77838	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	73293	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.59	63	126092	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.68	46	369304	62.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.76%
24) Chloroform-d	5.10	84	192292	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.74	65	118883	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.76	84	379510	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.72	67	117673	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.92	98	313524	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.20	79	49086	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.65	63	305841	64.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.06%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	107460	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	129381	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2654	0.123 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	20163	1.114 ug/L	94
13) Acetone	2.69	43	22149	5.762 ug/L	93
21) 2-Butanone	4.85	43	231491	35.807 ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	9424	0.441 ug/L	94
25) Chloroform	5.13	83	36121	1.002 ug/L	95
30) Cyclohexane	5.43	56	2775	0.085 ug/L #	20
34) Trichloroethene	6.57	95	35020	1.652 ug/L	96
35) Methylcyclohexane	6.72	83	28939	0.882 ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13436	0.654 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3695	0.122 ug/L #	80
47) Tetrachloroethene	8.57	164	12203	0.792 ug/L	93
48) 2-Hexanone	8.70	43	15075	1.354 ug/L #	94
49) Dibromochloromethane	8.57	129	11980	0.716 ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	17627	1.149 ug/L #	89

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 05:25:28 2020
Response via : Initial Calibration

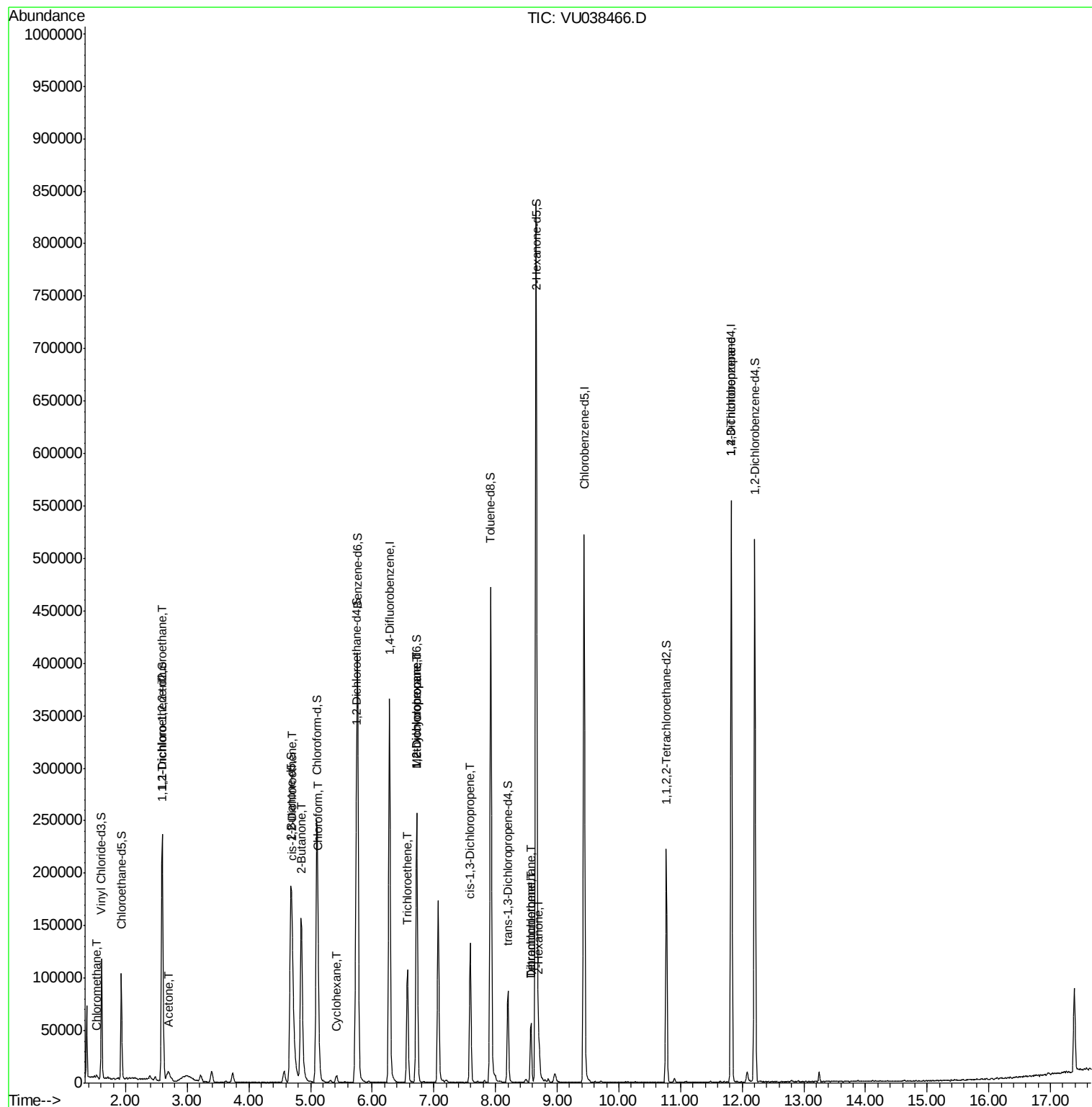
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

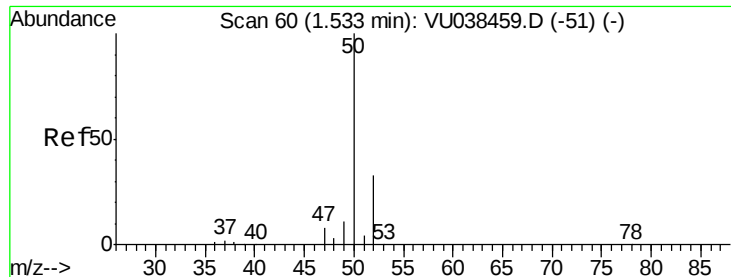
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.123 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038466.D

Acq: 01 Jun 2020 13:24

Instrument :

MSVOA_U

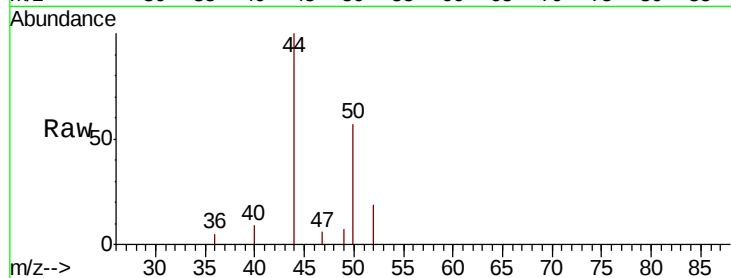
ClientSampleId :

Tot Ion: 50 Resp: 2654

Ion Ratio Lower Upper

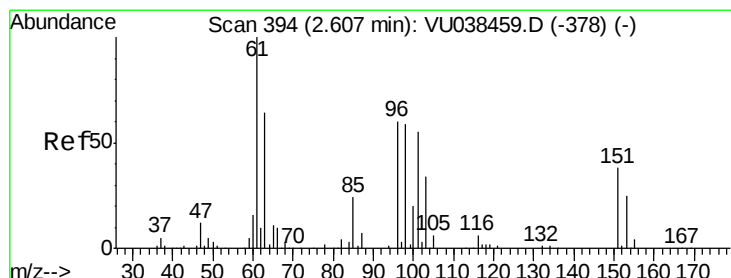
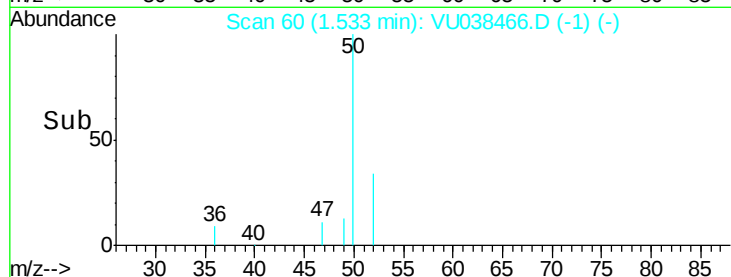
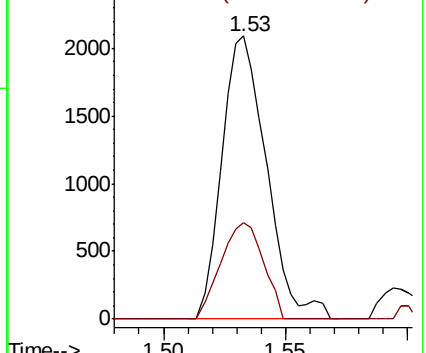
50 100

52 34.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038466.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038466.D (-1) (-)



#10

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

Concen: 1.114 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038466.D

Acq: 01 Jun 2020 13:24

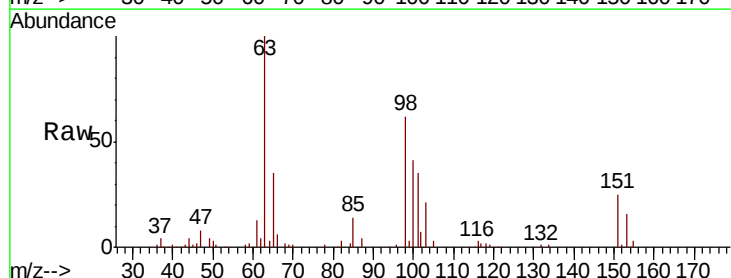
Tgt Ion:101 Resp: 20163

Ion Ratio Lower Upper

101 100

85 39.6 34.0 51.0

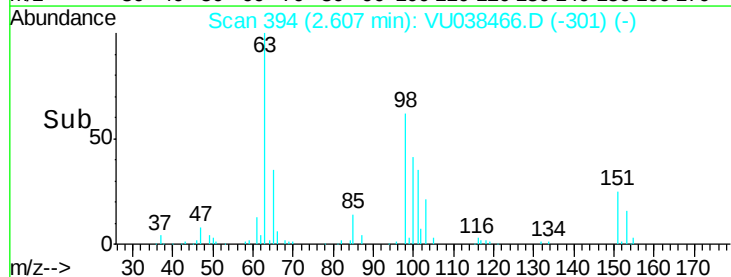
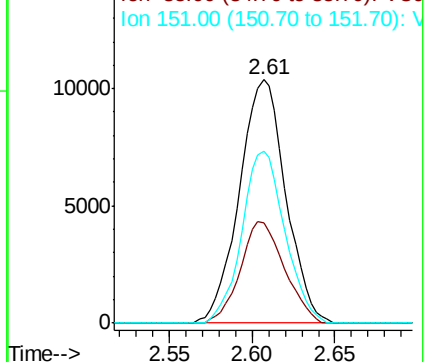
151 65.4 56.9 85.3

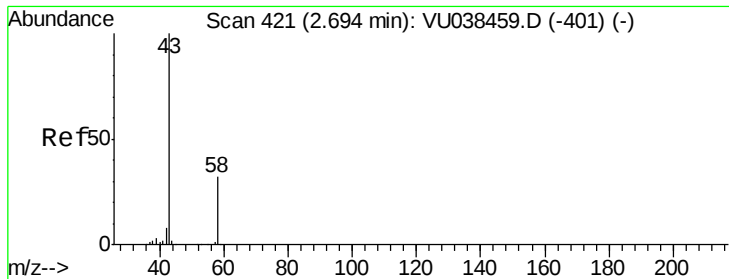


Abundance Ion 101.00 (100.70 to 101.70): VU038466.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU038466.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU038466.D (-301) (-)





#13

Acetone

Concen: 5.762 ug/L

RT: 2.69 min Scan# 420

Delta R.T. -0.00 min

Lab File: VU038466.D

Acq: 01 Jun 2020 13:24

Instrument :

MSVOA_U

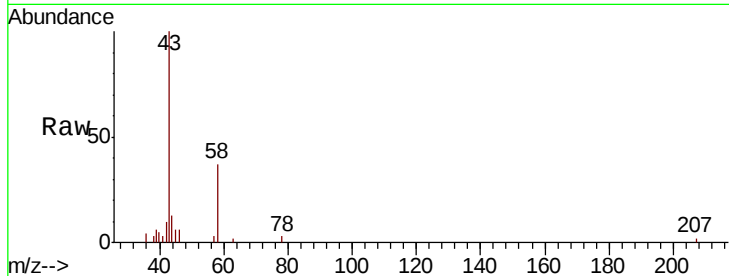
ClientSampleId :

Tot Ion: 43 Resp: 22149

Ion Ratio Lower Upper

43 100

58 28.9 0.0 65.6

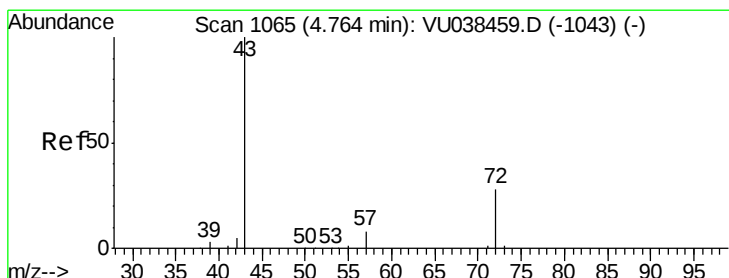
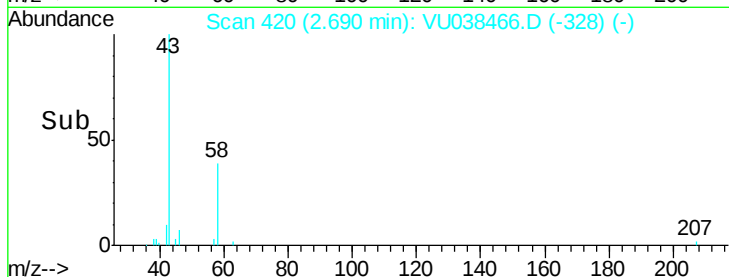


Abundance Ion 43.05 (42.75 to 43.75): VU038459.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038459.D (-401) (-)

2.69

Time-->



#21

2-Butanone

Concen: 35.807 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU038466.D

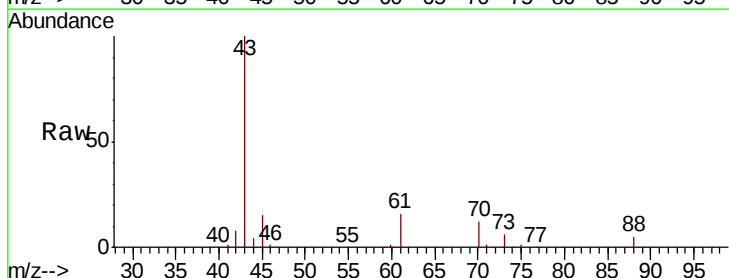
Acq: 01 Jun 2020 13:24

Tgt Ion: 43 Resp: 231491

Ion Ratio Lower Upper

43 100

72 0.0 12.6 37.8#

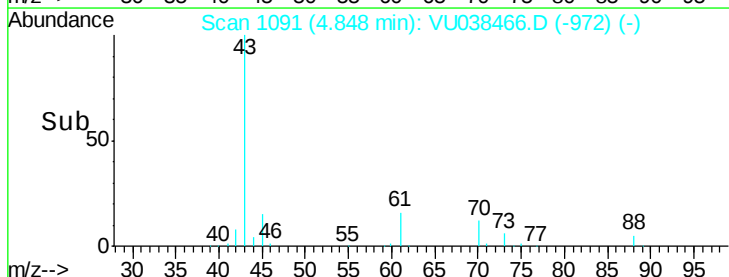


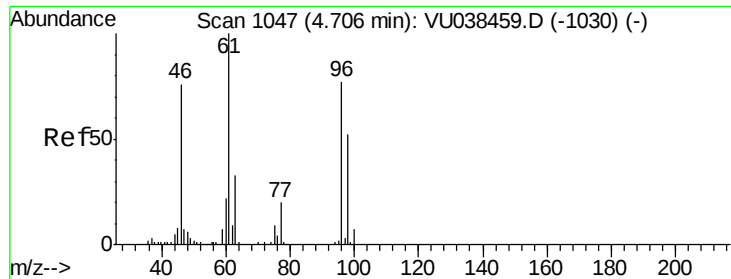
Abundance Ion 43.05 (42.75 to 43.75): VU038459.D (-1043) (-)

Ion 72.10 (71.80 to 72.80): VU038459.D (-1043) (-)

4.85

Time-->

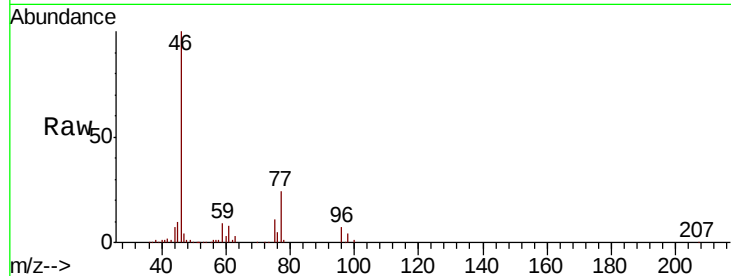




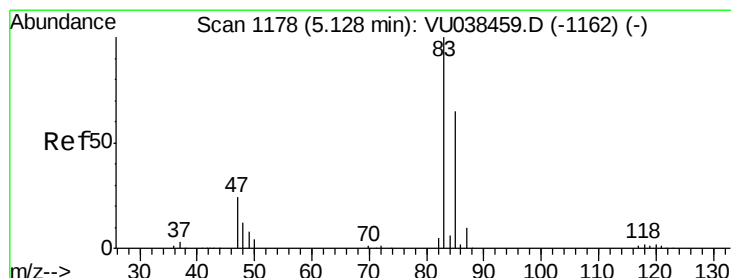
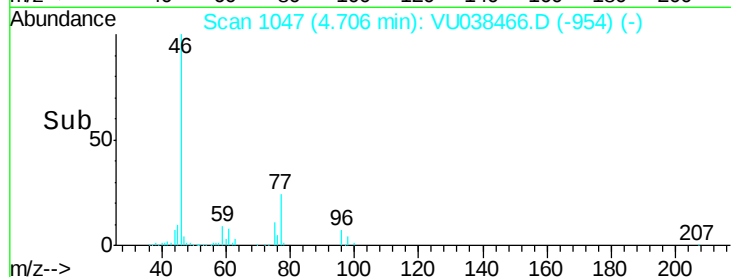
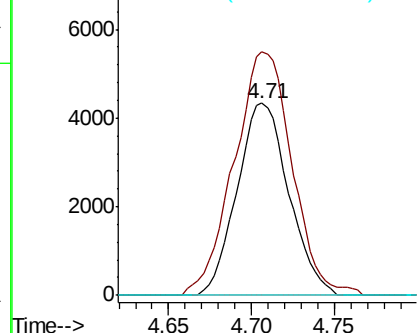
#22
 cis-1,2-Dichloroethene
 Concen: 0.441 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038466.D
 Acq: 01 Jun 2020 13:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 9424
 Ion Ratio Lower Upper
 96 100
 61 126.9 94.0 174.6
 68 0.0 0.0 0.0

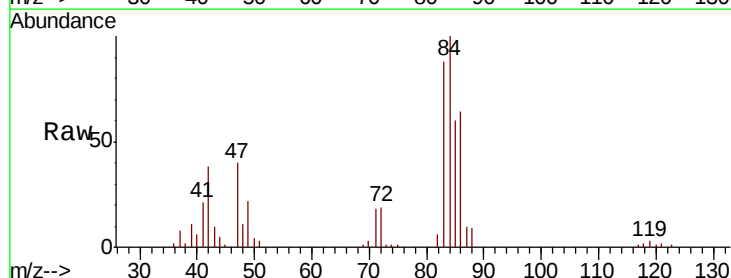


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

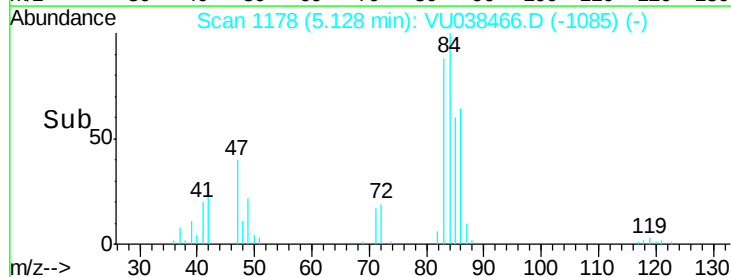
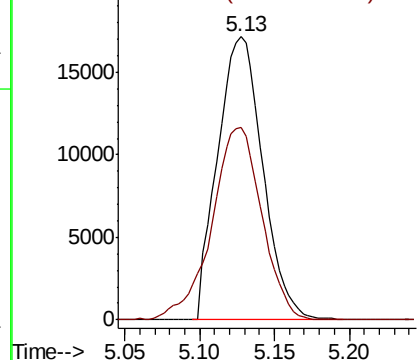


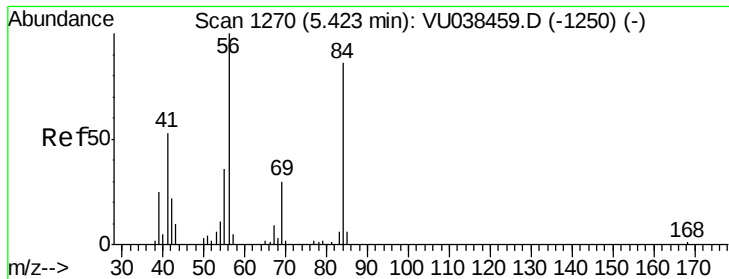
#25
 Chloroform
 Concen: 1.002 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU038466.D
 Acq: 01 Jun 2020 13:24

Tgt Ion: 83 Resp: 36121
 Ion Ratio Lower Upper
 83 100
 85 67.8 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

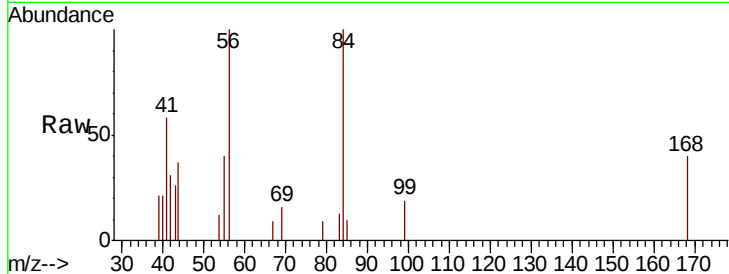




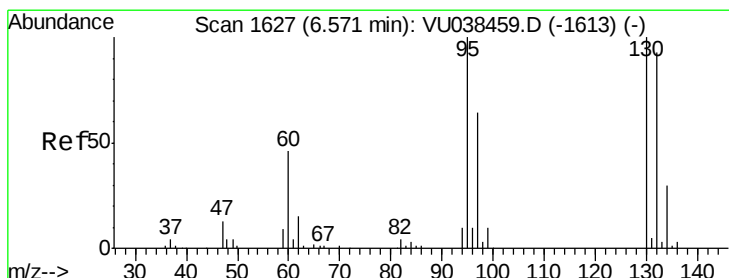
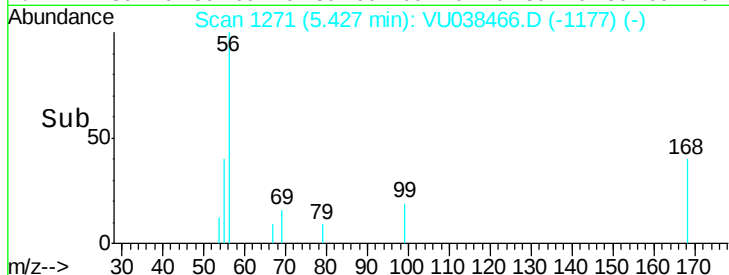
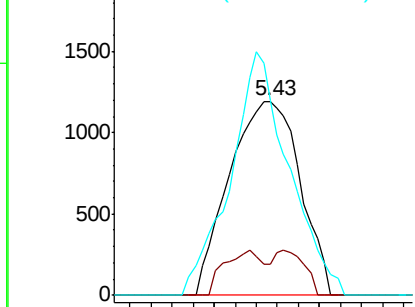
#30
Cyclohexane
Concen: 0.085 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 2775
Ion Ratio Lower Upper
56 100
69 9.5 24.2 36.4#
84 0.0 70.8 106.2#

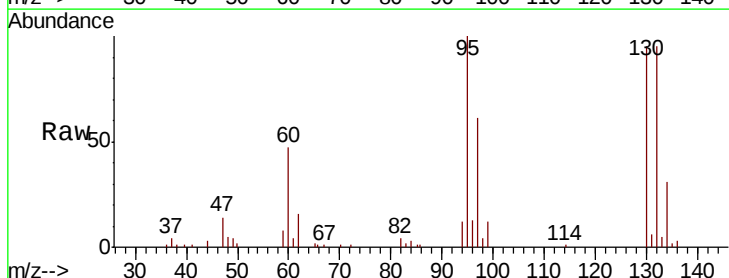


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

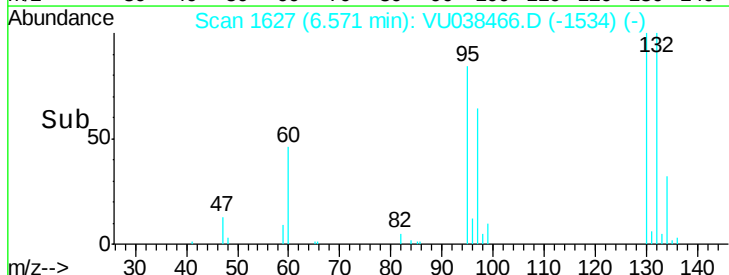
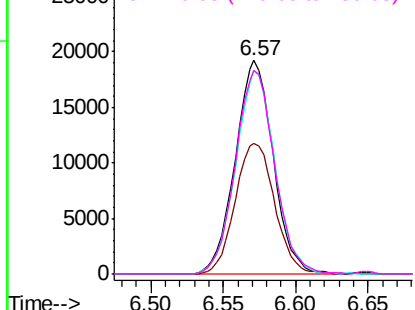


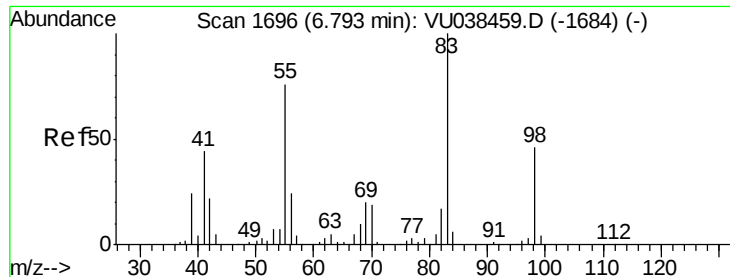
#34
Trichloroethene
Concen: 1.652 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Tgt Ion: 95 Resp: 35020
Ion Ratio Lower Upper
95 100
97 61.4 46.8 87.0
132 95.1 66.1 122.7
130 95.0 70.0 130.0



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

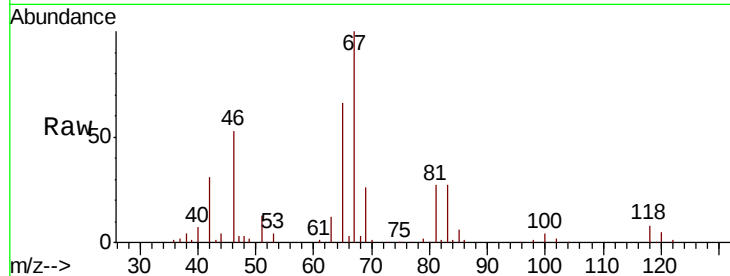




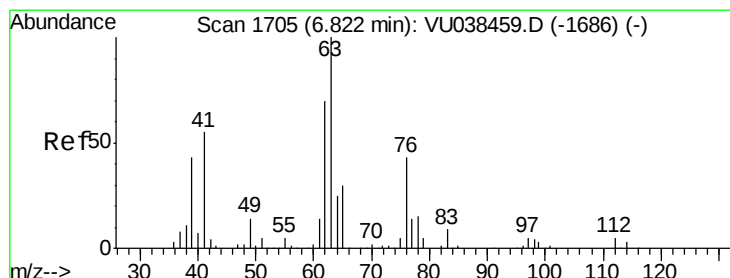
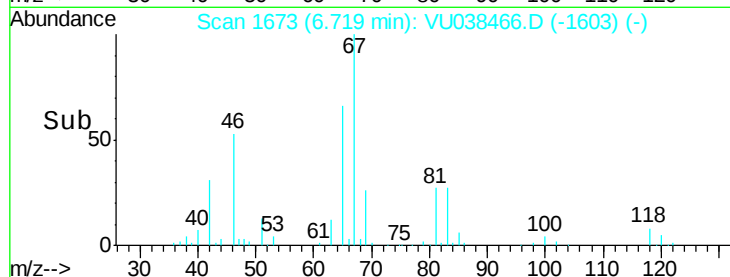
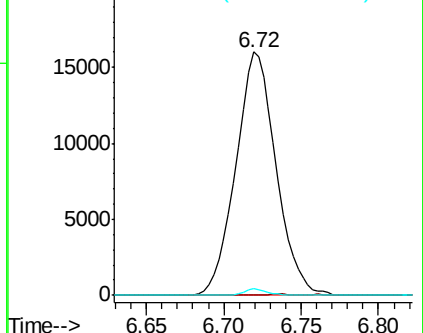
#35
Methvlcvclohexane
Concen: 0.882 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 28939
Ion Ratio Lower Upper
83 100
55 0.2 63.4 95.2#
98 1.4 39.0 58.4#

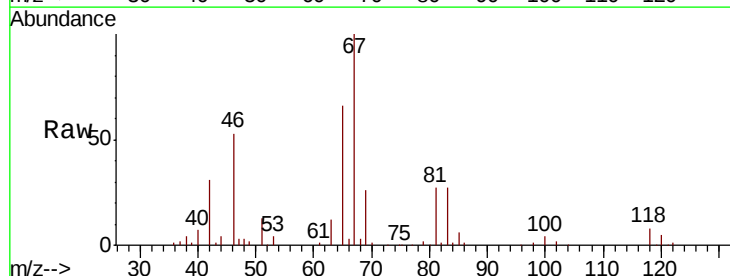


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

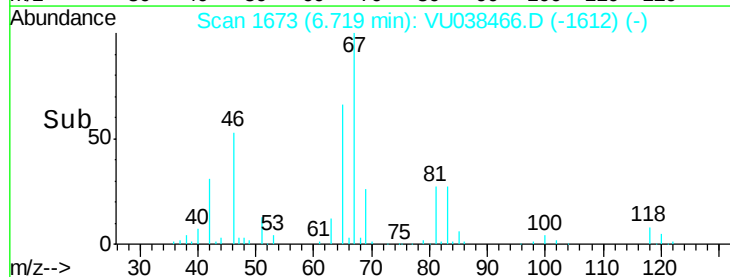
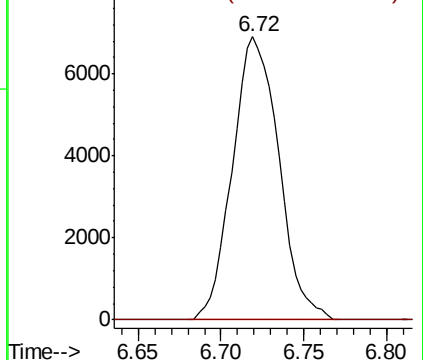


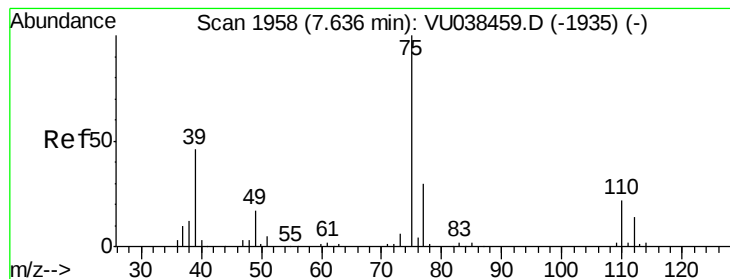
#37
1,2-Dichloropropane
Concen: 0.654 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Tgt Ion: 63 Resp: 13436
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



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



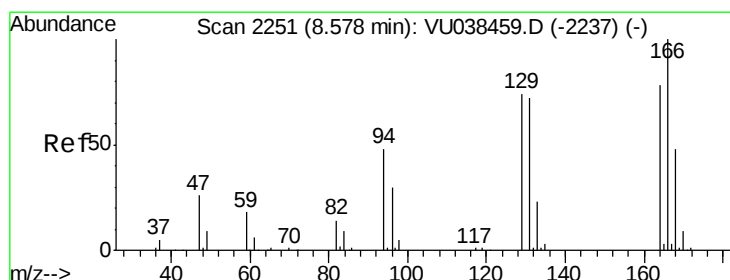
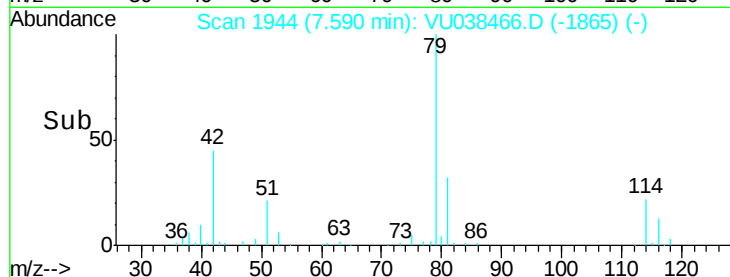
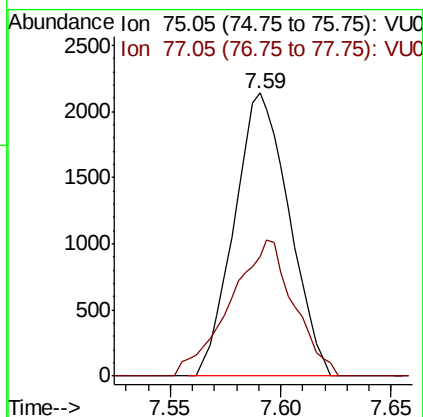
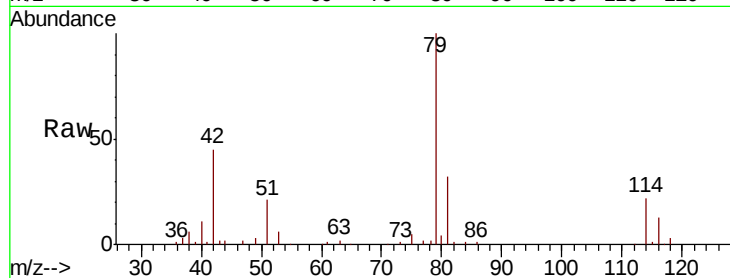


#39

cis-1,3-Dichloropropene
Concen: 0.122 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.05 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Instrument :
MSVOA_U
ClientSampled :

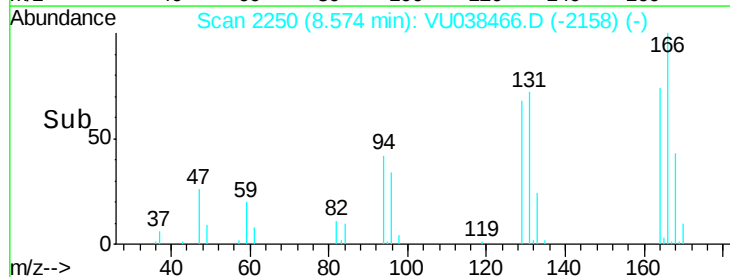
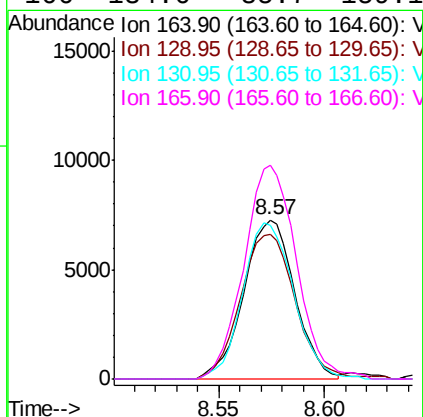
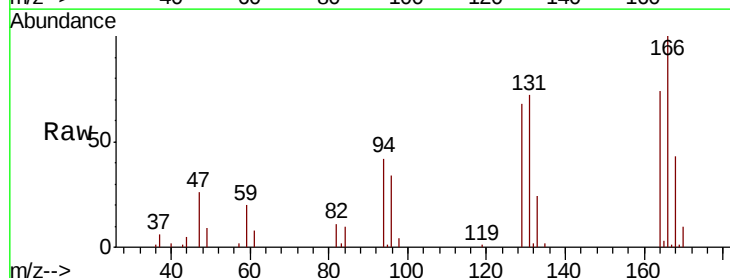
Tot Ion: 75 Resp: 3695
Ion Ratio Lower Upper
75 100
77 42.3 21.9 40.7#

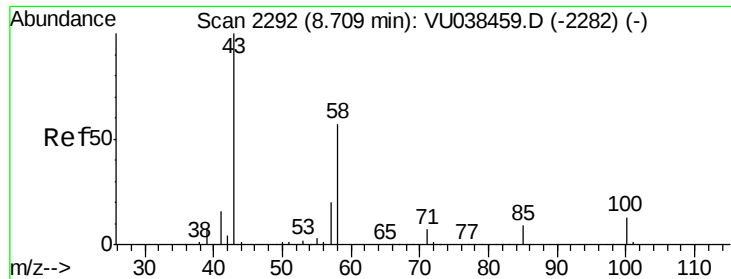


#47

Tetrachloroethene
Concen: 0.792 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Tgt Ion:164 Resp: 12203
Ion Ratio Lower Upper
164 100
129 91.2 67.4 125.2
131 96.7 64.1 119.1
166 134.6 85.7 159.1

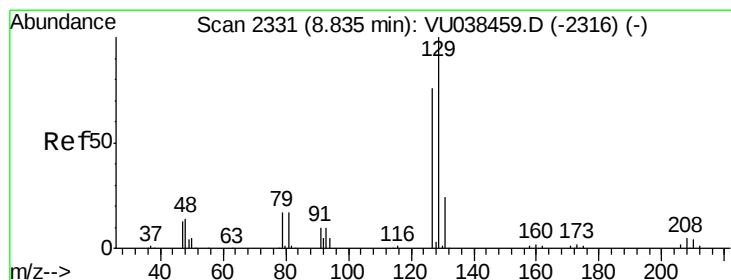
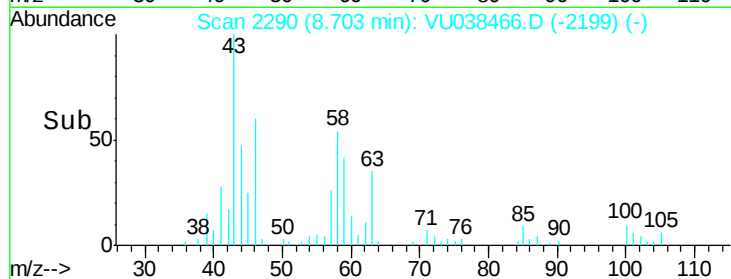
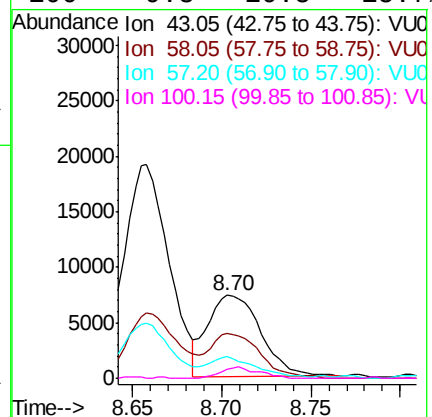
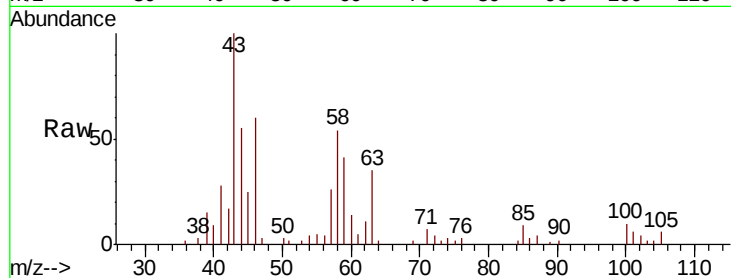




#48
2-Hexanone
Concen: 1.354 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.01 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

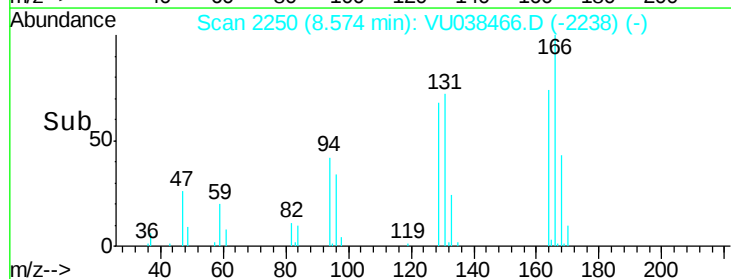
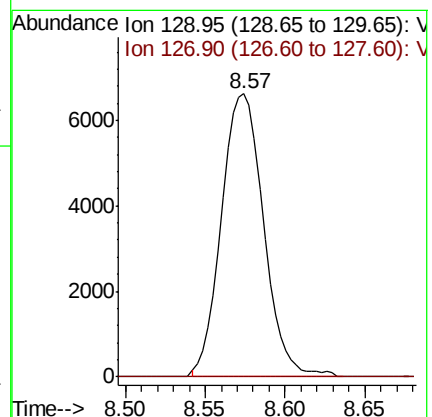
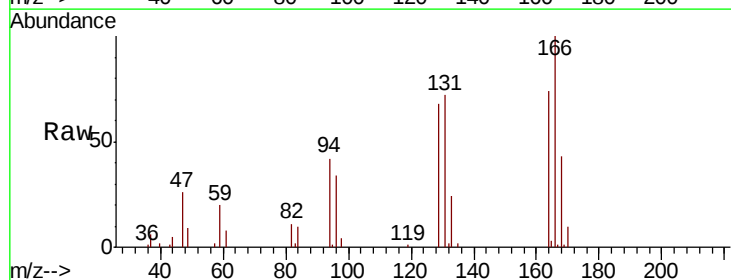
Instrument :
MSVOA_U
ClientSampled :

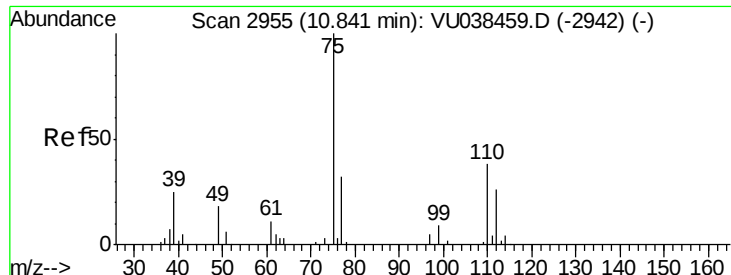
Tot Ion: 43 Resp: 15075
Ion Ratio Lower Upper
43 100
58 52.4 45.4 68.0
57 21.1 15.9 23.9
100 9.8 10.5 15.7#



#49
Dibromochloromethane
Concen: 0.716 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038466.D
Acq: 01 Jun 2020 13:24

Tgt Ion: 129 Resp: 11980
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.149 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038466.D

Acq: 01 Jun 2020 13:24

Instrument :

MSVOA_U

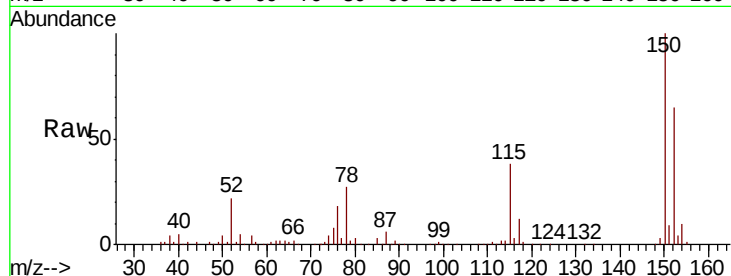
ClientSampleId :

Tot Ion: 75 Resp: 17627

Ion Ratio Lower Upper

75 100

77 38.2 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

