

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039027.D
 Acq On : 23 Jun 2020 00:19
 Operator : SY/MD
 Sample : L3073-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L05

Quant Time: Jun 23 01:30:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	252786	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	254626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	111948	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	115835	5.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.60%
7) Chloroethane-d5	1.93	69	88173	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.60%
11) 1,1-Dichloroethene-d2	2.59	63	161896	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.00%
20) 2-Butanone-d5	4.67	46	373157	55.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	5.10	84	187638	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.74	65	124226	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.76	84	413428	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.72	67	134951	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.92	98	319705	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	53144	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.65	63	286027	55.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.34%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	117226	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	128475	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

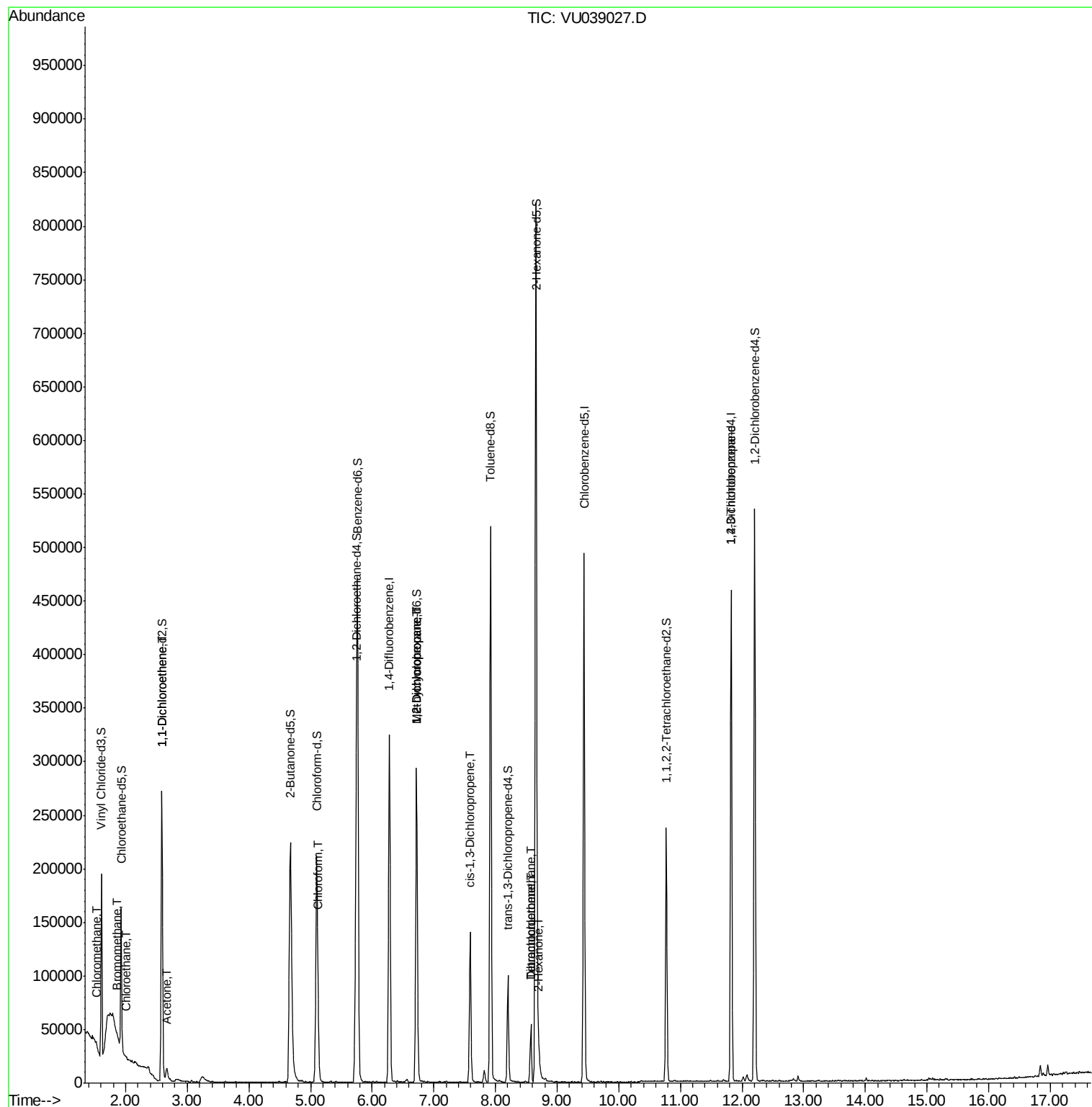
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1414	0.101	ug/L	83
6) Bromomethane	1.87	94	864	0.140	ug/L	76
8) Chloroethane	2.01	64	1903	0.134	ug/L #	59
12) 1,1-Dichloroethene	2.59	96	1213	0.066	ug/L #	1
13) Acetone	2.67	43	18099	4.244	ug/L	95
25) Chloroform	5.13	83	21445	0.535	ug/L	95
35) Methylcyclohexane	6.72	83	32297	1.039	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14544	0.658	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3705	0.117	ug/L #	67
47) Tetrachloroethene	8.57	164	11384	0.788	ug/L	95
48) 2-Hexanone	8.71	43	11268	0.921	ug/L	99
49) Dibromochloromethane	8.57	129	10960	0.610	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15351	0.943	ug/L	89

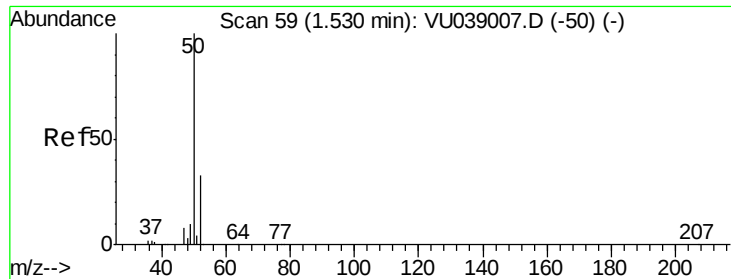
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 23 01:25:34 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.101 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

Instrument :

MSVOA_U

ClientSampled :

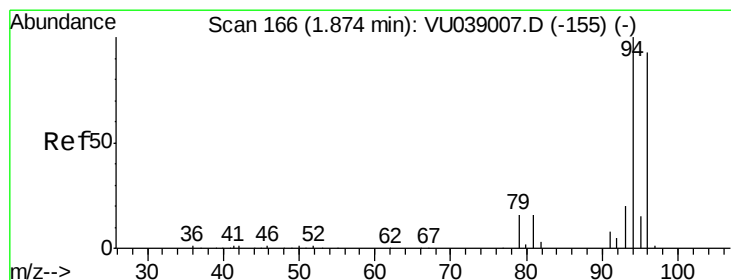
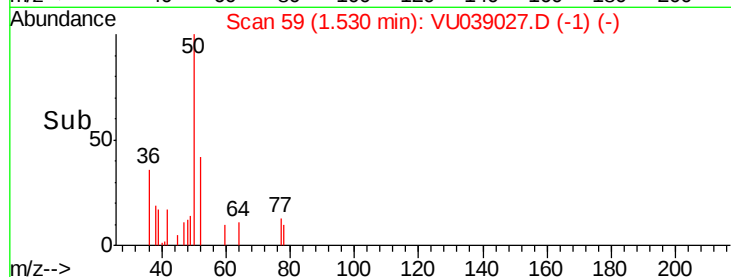
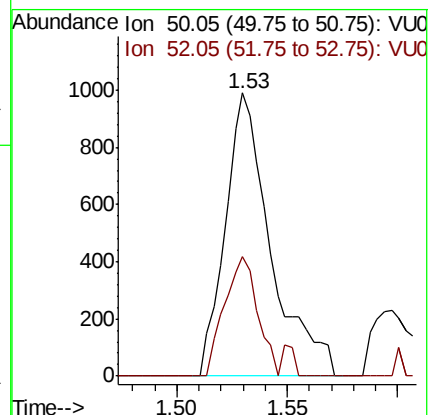
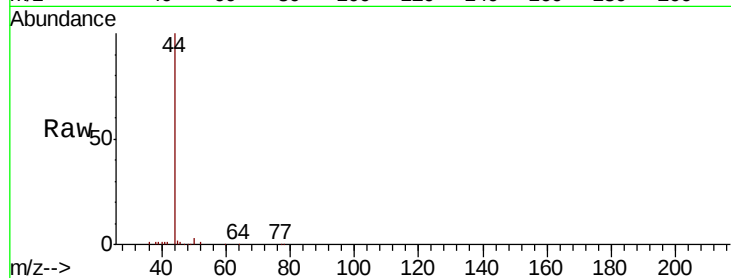
F9L05

Tot Ion: 50 Resp: 1414

Ion Ratio Lower Upper

50 100

52 42.2 23.0 42.6



#6

Bromomethane

Concen: 0.140 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039027.D

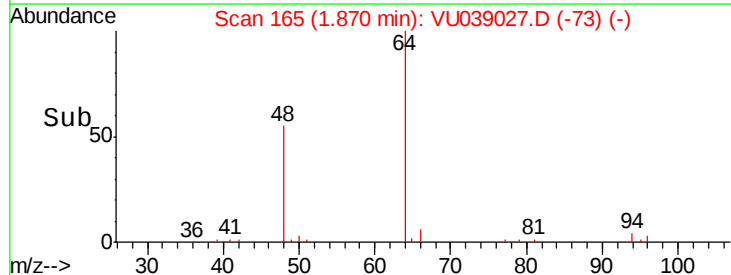
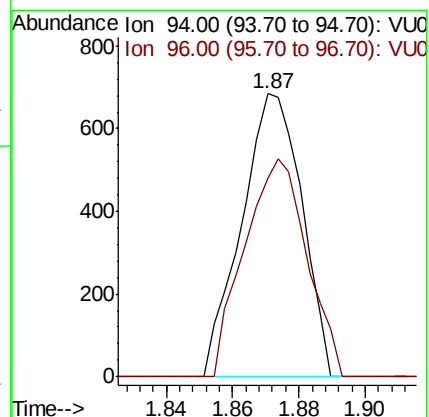
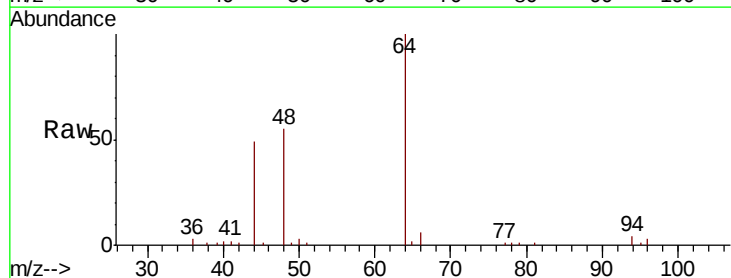
Acq: 23 Jun 2020 00:19

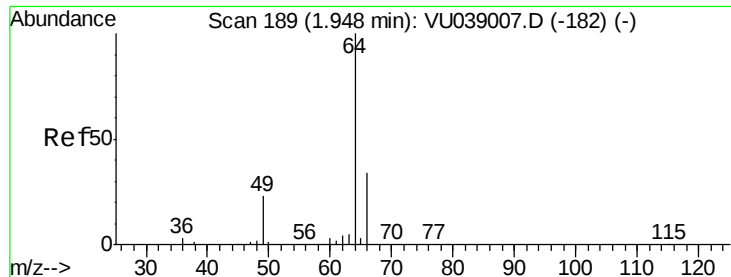
Tgt Ion: 94 Resp: 864

Ion Ratio Lower Upper

94 100

96 70.3 65.5 121.7





#8

Chloroethane

Concen: 0.134 ug/L

RT: 2.01 min Scan# 209

Delta R.T. 0.06 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

Instrument :

MSVOA_U

ClientSampleId :

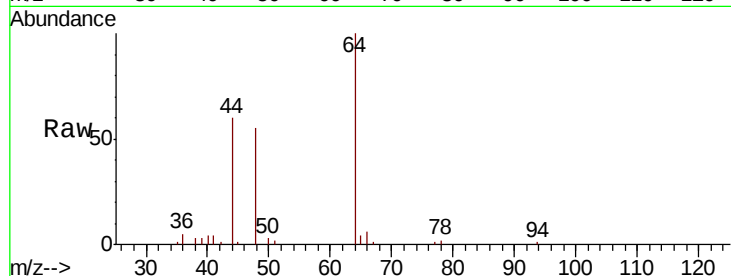
F9L05

Tot Ion: 64 Resp: 1903

Ion Ratio Lower Upper

64 100

66 6.2 19.4 36.0#

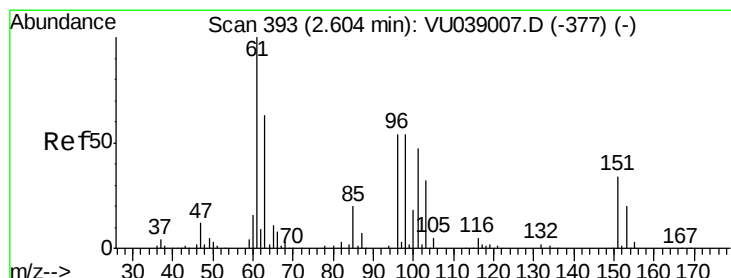
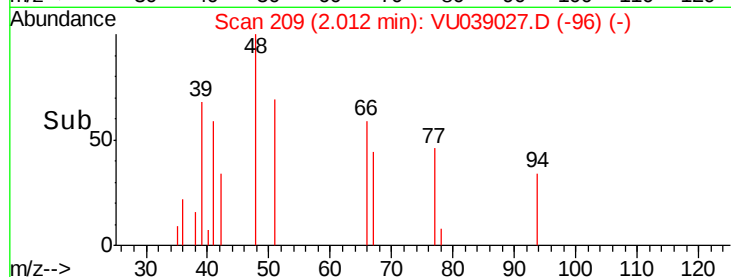


Abundance Ion 64.10 (63.80 to 64.80): VU039027.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VU039027.D (-66) (-)

2.01

Time-->



#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

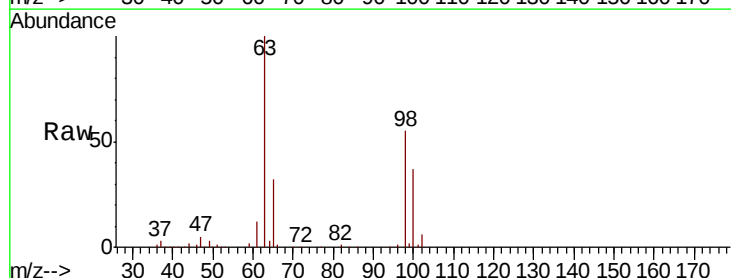
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 1526.9 128.7 239.1#

63 12908.3 101.5 188.5#



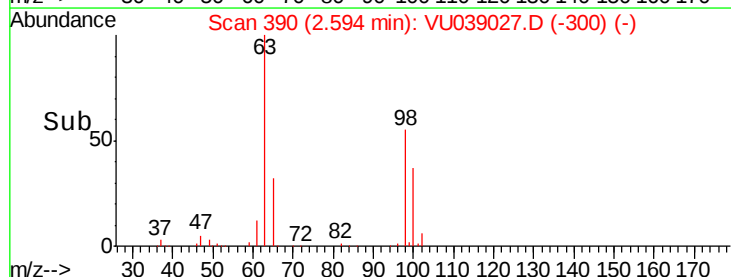
Abundance Ion 96.00 (95.70 to 96.70): VU039027.D (-96) (-)

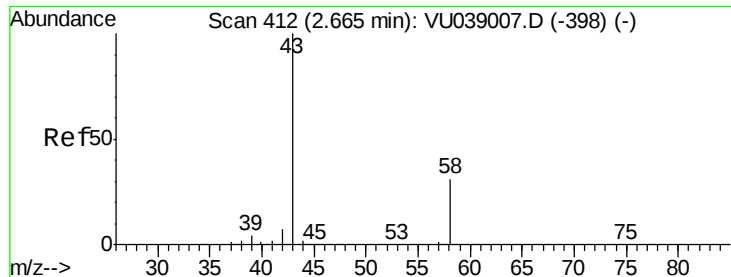
Ion 61.05 (60.75 to 61.75): VU039027.D (-61) (-)

Ion 63.00 (62.70 to 63.70): VU039027.D (-63) (-)

2.59

Time-->





#13

Acetone

Concen: 4.244 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

Instrument :

MSVOA_U

ClientSampled :

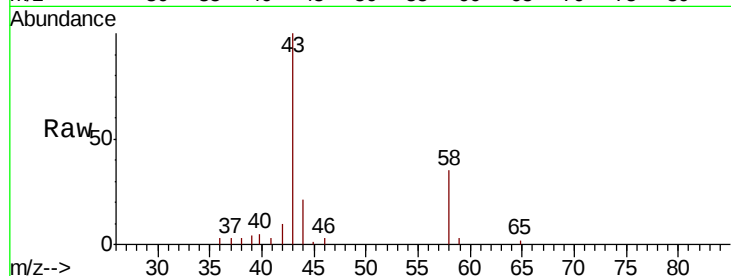
F9L05

Tot Ion: 43 Resp: 18099

Ion Ratio Lower Upper

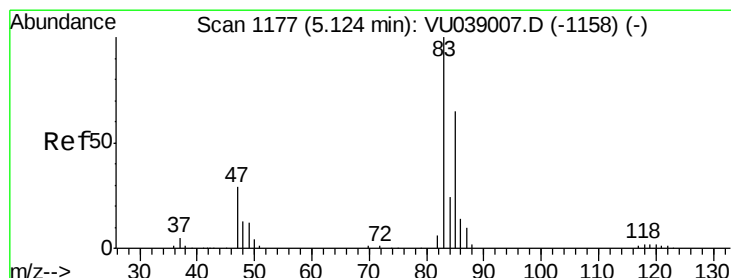
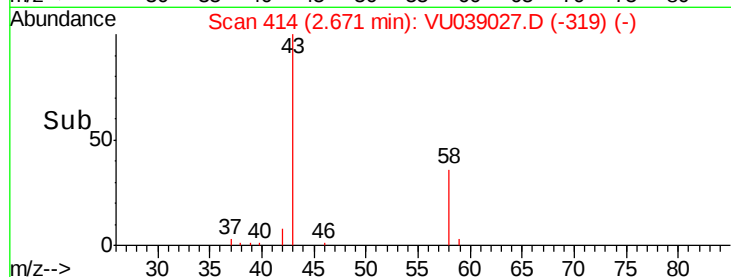
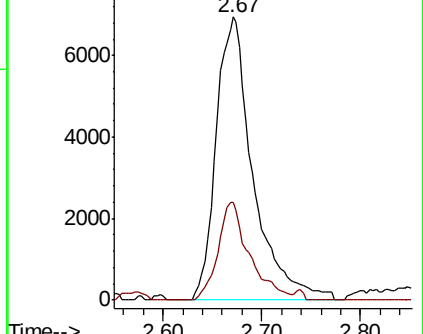
43 100

58 29.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039027.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039027.D (-319) (-)



#25

Chloroform

Concen: 0.535 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU039027.D

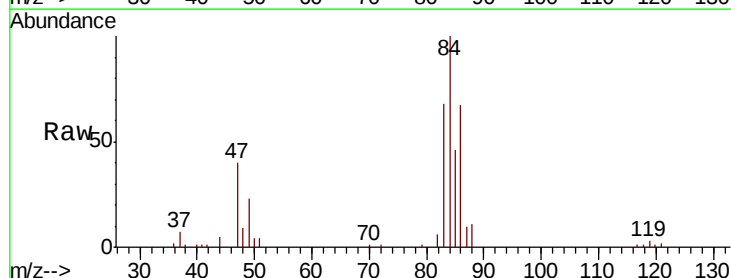
Acq: 23 Jun 2020 00:19

Tgt Ion: 83 Resp: 21445

Ion Ratio Lower Upper

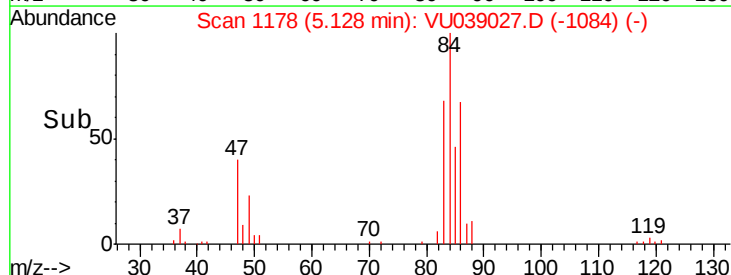
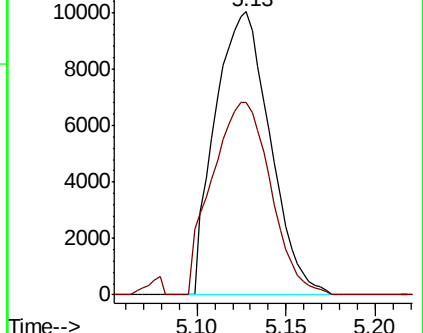
83 100

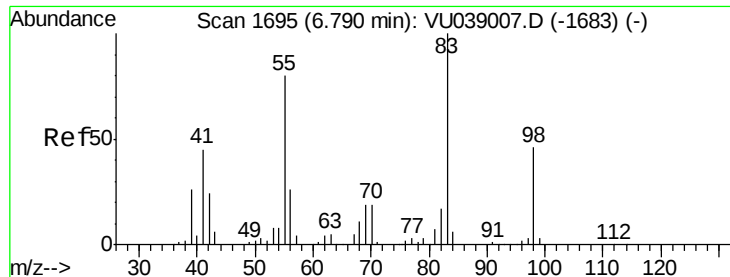
85 68.1 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039027.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VU039027.D (-1084) (-)

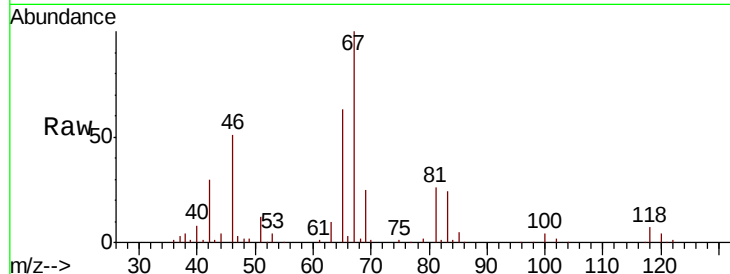




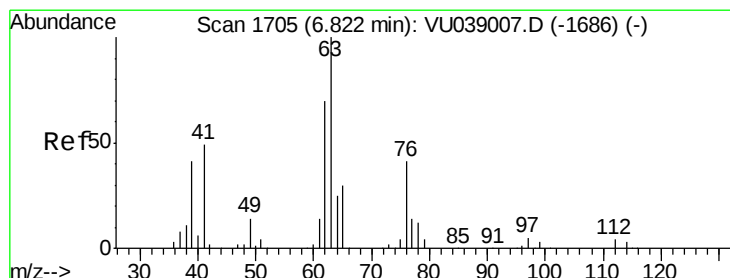
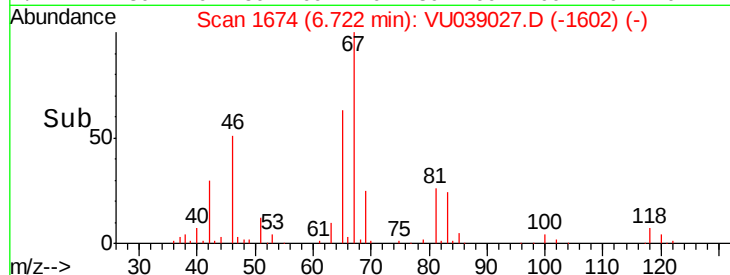
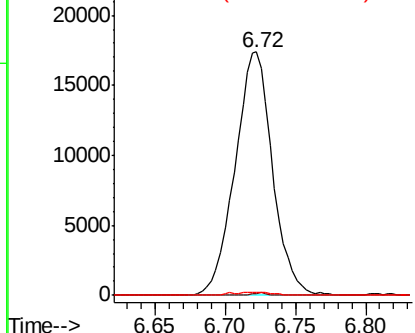
#35
Methvlcvclohexane
Concen: 1.039 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU039027.D
Acq: 23 Jun 2020 00:19

Instrument :
MSVOA_U
ClientSampleId :
F9L05

Tot Ion: 83 Resp: 32297
Ion Ratio Lower Upper
83 100
55 0.3 65.1 97.7#
98 0.9 37.0 55.4#

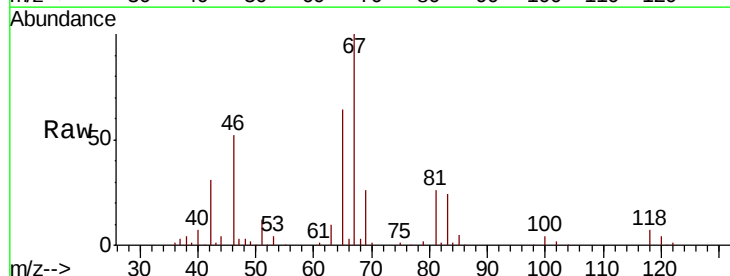


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

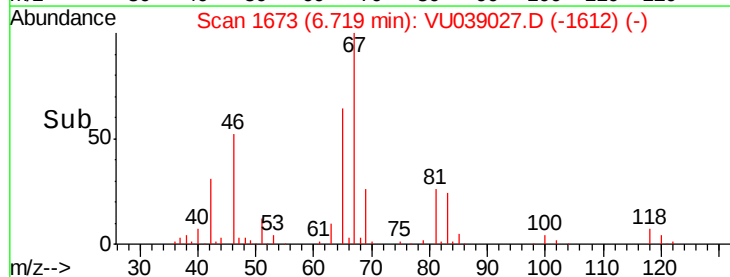
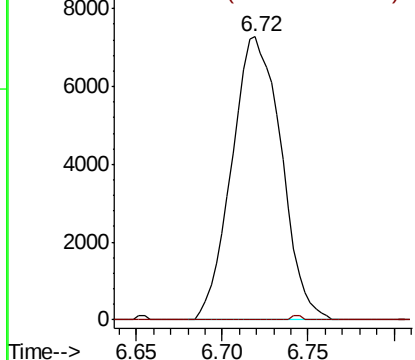


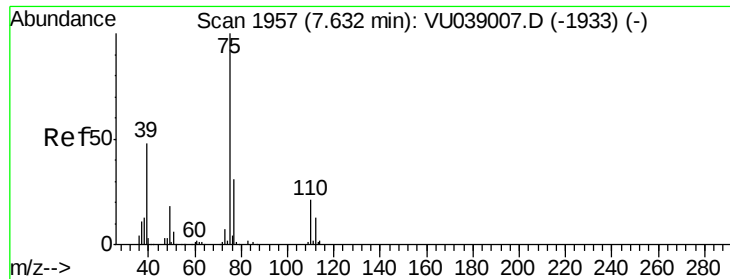
#37
1,2-Dichloropropane
Concen: 0.658 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039027.D
Acq: 23 Jun 2020 00:19

Tgt Ion: 63 Resp: 14544
Ion Ratio Lower Upper
63 100
112 0.3 3.4 5.2#



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: 0.117 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

Instrument :

MSVOA_U

ClientSampleId :

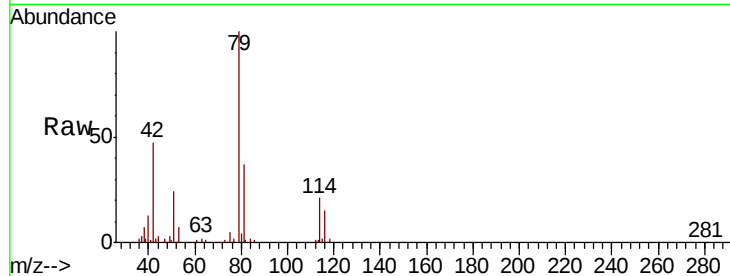
F9L05

Tot Ion: 75 Resp: 3705

Ion Ratio Lower Upper

75 100

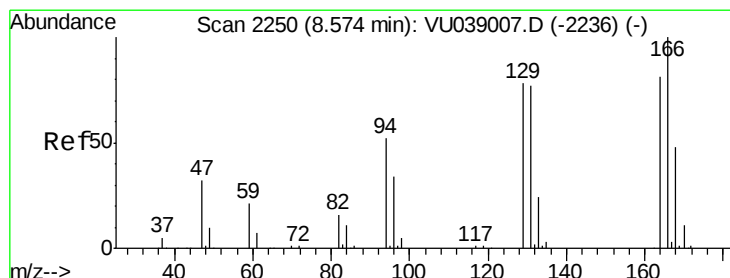
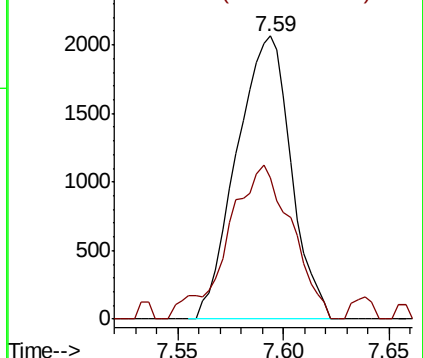
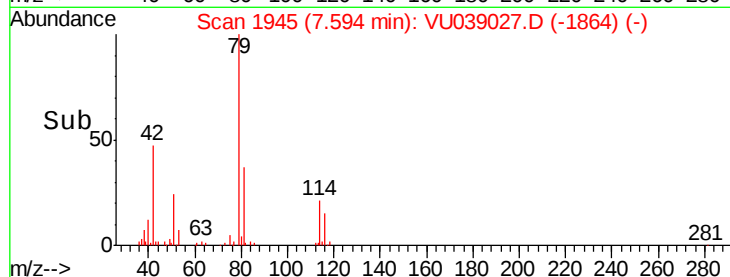
77 49.9 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039027.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU039027.D (-1864) (-)

Time-->



#47

Tetrachloroethene

Concen: 0.788 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

Tgt Ion:164 Resp: 11384

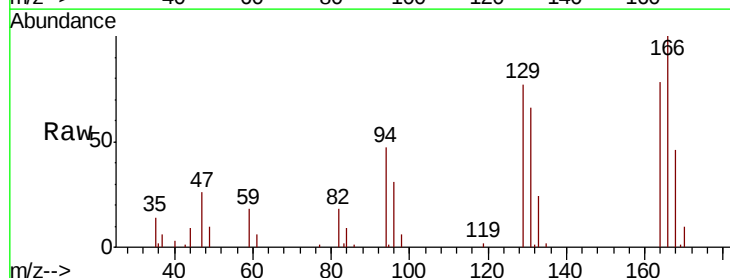
Ion Ratio Lower Upper

164 100

129 99.2 69.2 128.6

131 84.7 66.9 124.3

166 129.0 93.0 172.8



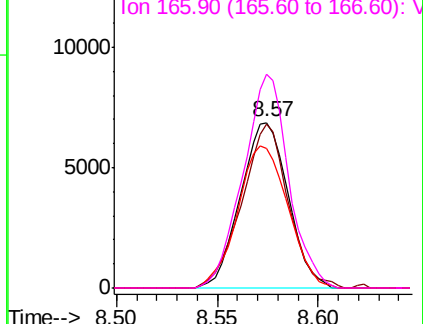
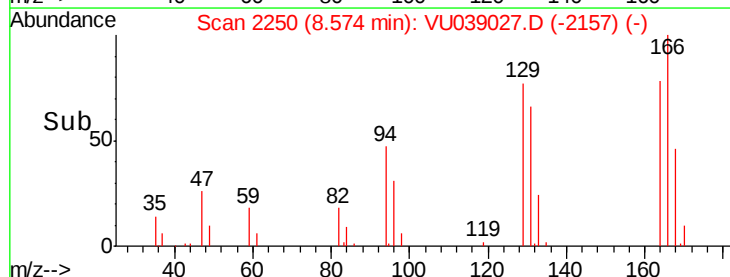
Abundance Ion 163.90 (163.60 to 164.60): VU039027.D (-2157) (-)

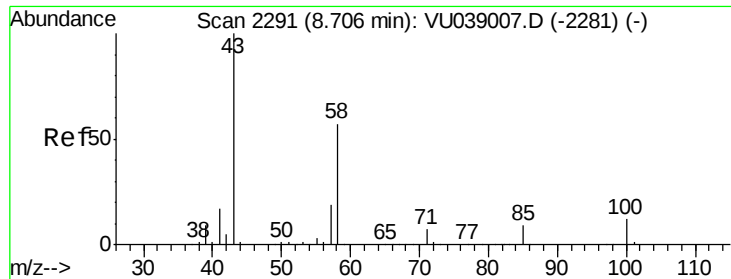
Ion 128.95 (128.65 to 129.65): VU039027.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU039027.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU039027.D (-2157) (-)

Time-->

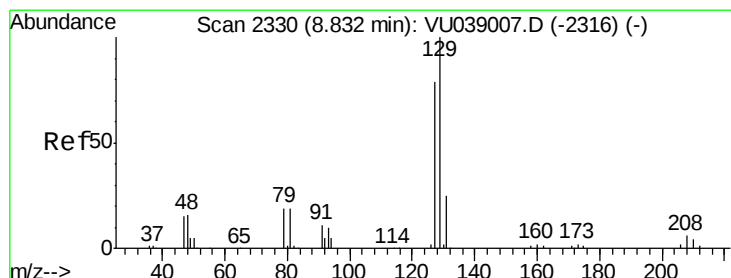
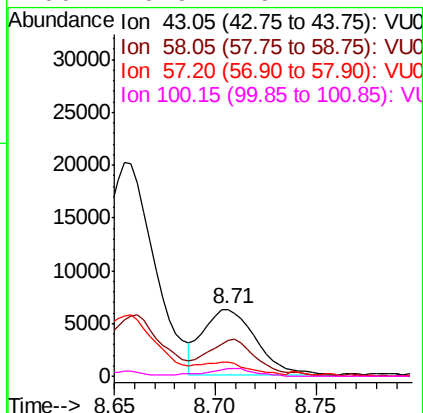
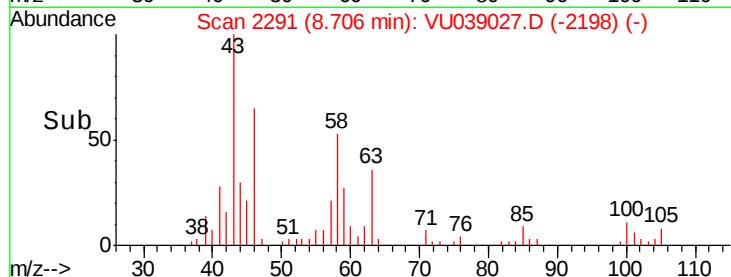
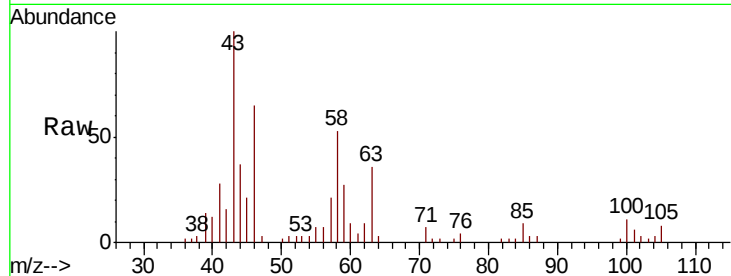




#48
2-Hexanone
Concen: 0.921 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039027.D
Acq: 23 Jun 2020 00:19

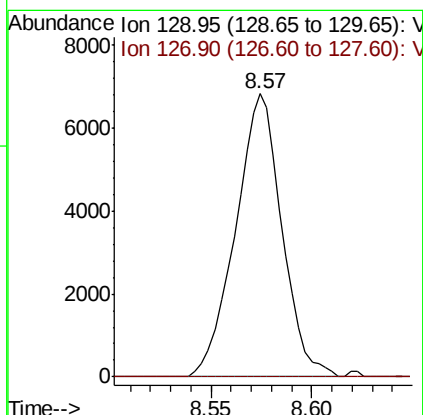
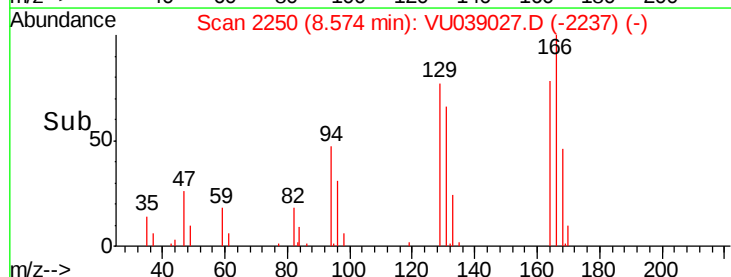
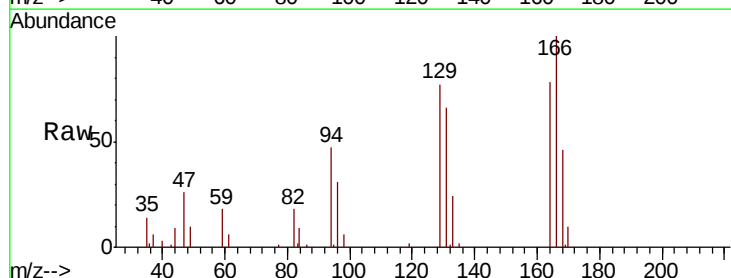
Instrument :
MSVOA_U
ClientSampleId :
F9L05

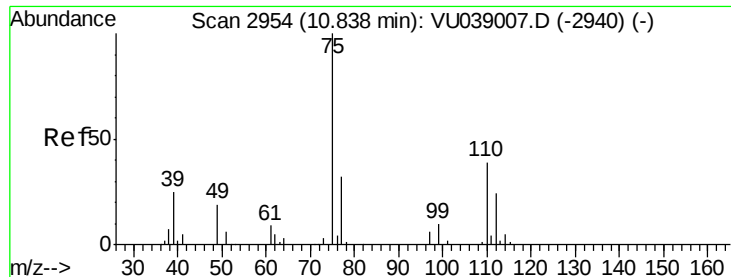
Tot Ion: 43 Resp: 11268
Ion Ratio Lower Upper
43 100
58 54.3 43.5 65.3
57 18.4 15.0 22.4
100 10.9 9.4 14.2



#49
Dibromochloromethane
Concen: 0.610 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU039027.D
Acq: 23 Jun 2020 00:19

Tgt Ion: 129 Resp: 10960
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 0.943 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039027.D

Acq: 23 Jun 2020 00:19

Instrument :

MSVOA_U

ClientSampleId :

F9L05

Tot Ion: 75 Resp: 15351

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3

