

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040117.D
 Acq On : 14 Sep 2020 13:40
 Operator : SY/MD
 Sample : L3961-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y42

Quant Time: Sep 15 02:14:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 01:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124263	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126741	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58089	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30471	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.92	69	25803	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.58	63	49254	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.66	46	107974	39.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.58%
24) Chloroform-d	5.08	84	61901	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.72	65	38126	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
32) Benzene-d6	5.74	84	113041	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
36) 1,2-Dichloropropane-d6	6.70	67	37371	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.60%
41) Toluene-d8	7.91	98	94922	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	8.19	79	14159	3.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.20%
46) 2-Hexanone-d5	8.64	63	75283	35.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.94%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	33341	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	38978	4.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.00%

Target Compounds

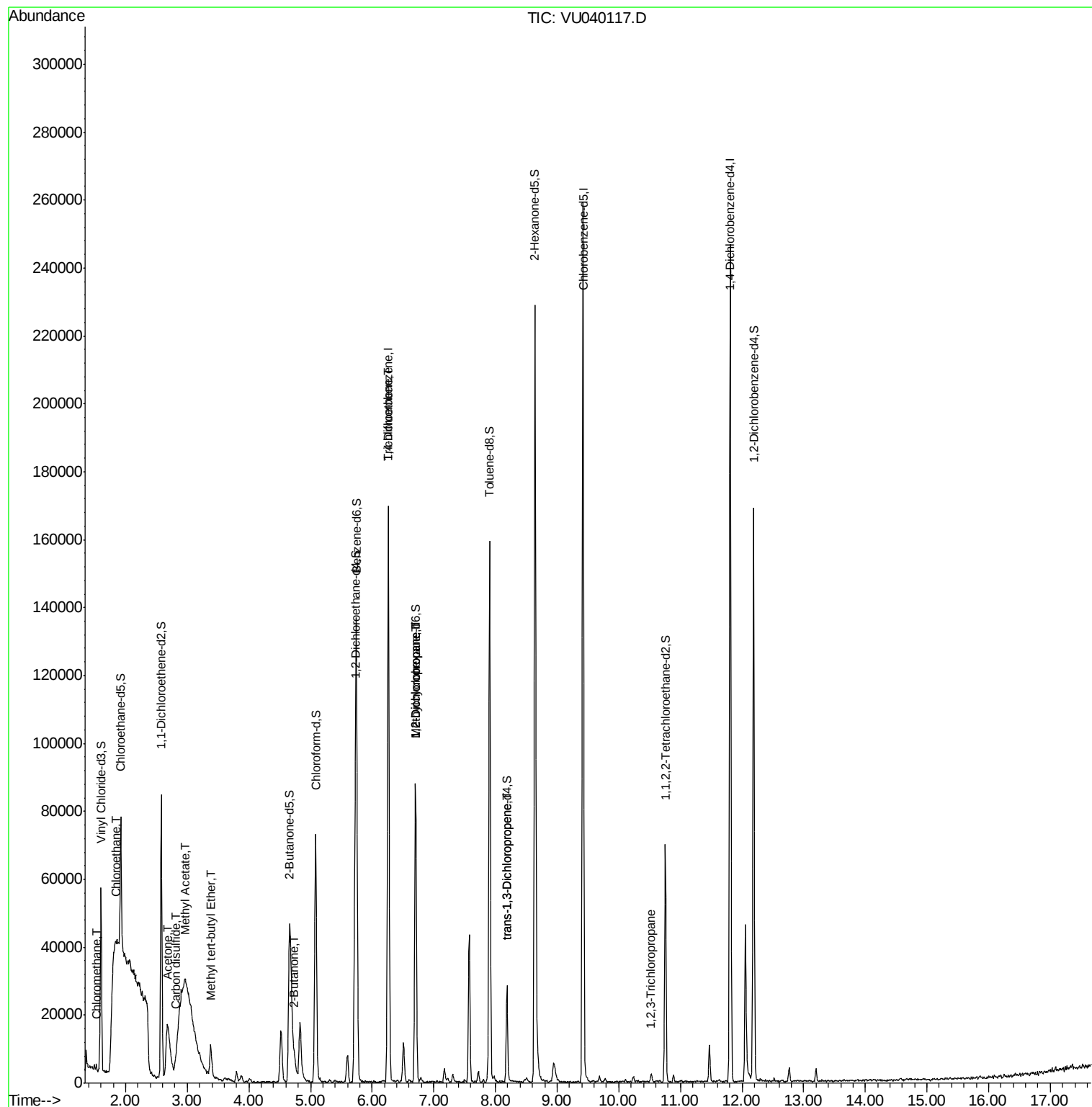
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	708	0.060	ug/L	88
8) Chloroethane	1.84	64	95502	13.276	ug/L #	52
13) Acetone	2.68	43	18079	7.197	ug/L	92
14) Carbon disulfide	2.81	76	1562	0.051	ug/L #	77
15) Methyl Acetate	2.98	43	3987	0.632	ug/L #	54
17) Methyl tert-butyl Ether	3.38	73	9230	0.318	ug/L	95
21) 2-Butanone	4.74	43	3205	0.781	ug/L	79
34) Trichloroethene	6.26	95	2602	0.214	ug/L #	9
35) Methylcyclohexane	6.70	83	8967	0.481	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	4606	0.375	ug/L #	88
44) trans-1,3-Dichloropropene	8.18	75	795	0.047	ug/L	97
59) 1,2,3-Trichloropropane	10.53	75	1360	0.150	ug/L #	44

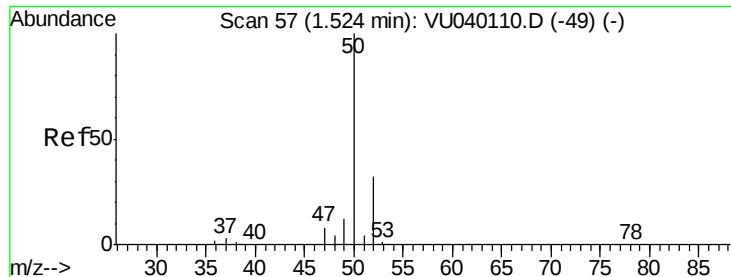
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.060 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

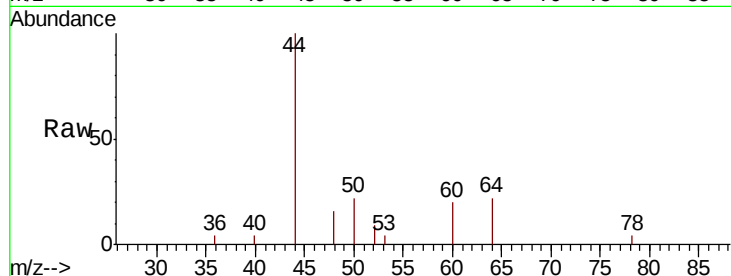
F4Y42

Tot Ion: 50 Resp: 708

Ion Ratio Lower Upper

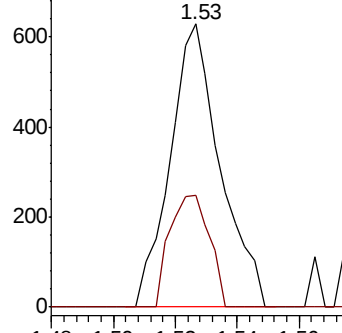
50 100

52 39.3 22.8 42.4

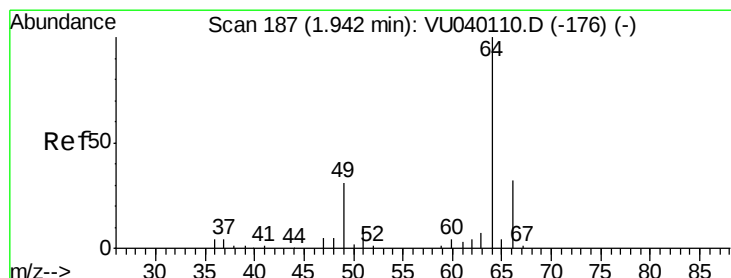
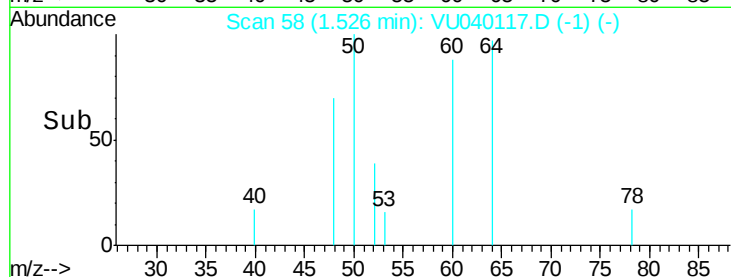


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time--> 1.48 1.50 1.52 1.54 1.56



#8

Chloroethane

Concen: 13.276 ug/L

RT: 1.84 min Scan# 154

Delta R.T. -0.11 min

Lab File: VU040117.D

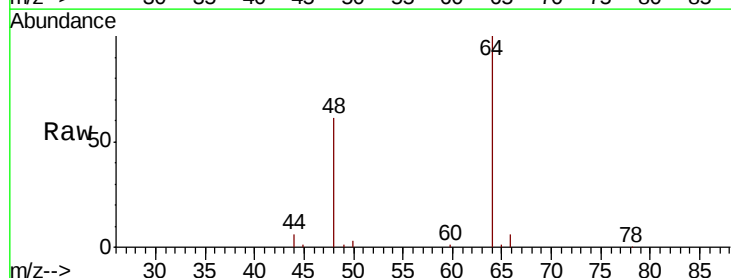
Acq: 14 Sep 2020 13:40

Tgt Ion: 64 Resp: 95502

Ion Ratio Lower Upper

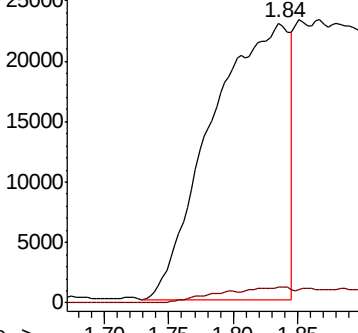
64 100

66 5.5 22.7 42.1#

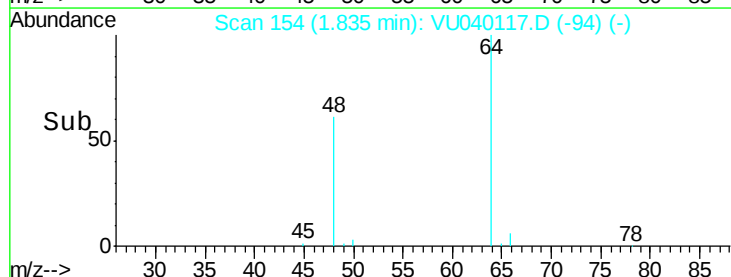


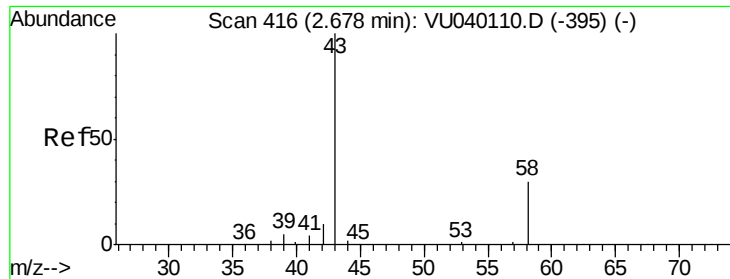
Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



Time--> 1.70 1.75 1.80 1.85





#13

Acetone

Concen: 7.197 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

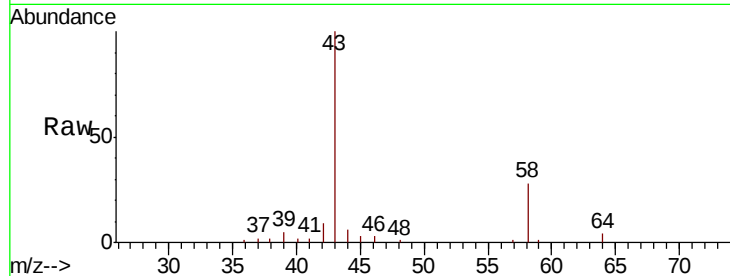
F4Y42

Tot Ion: 43 Resp: 18079

Ion Ratio Lower Upper

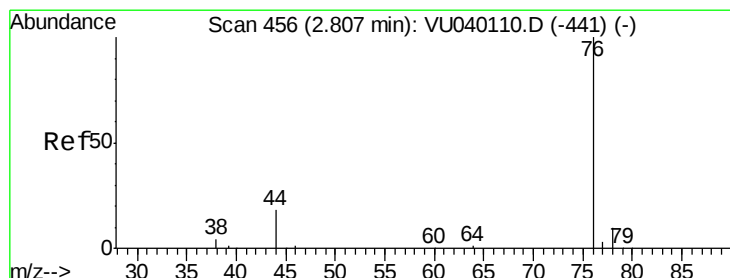
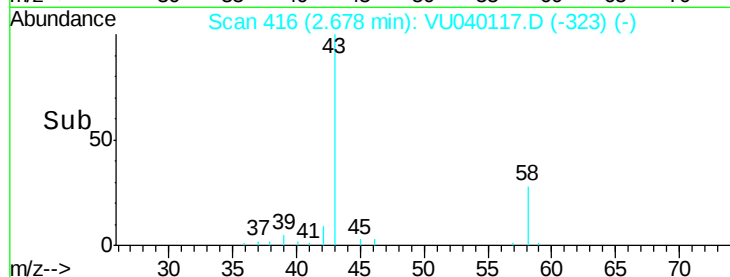
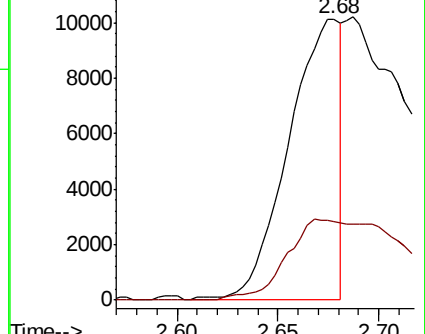
43 100

58 32.0 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.051 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040117.D

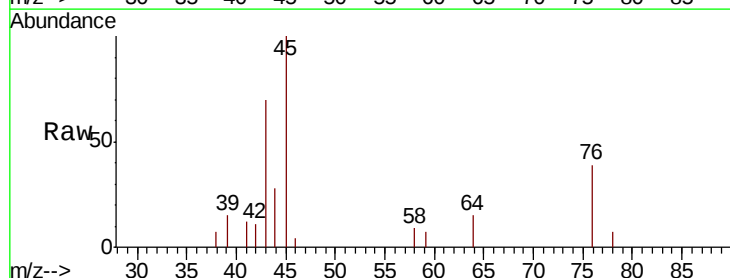
Acq: 14 Sep 2020 13:40

Tgt Ion: 76 Resp: 1562

Ion Ratio Lower Upper

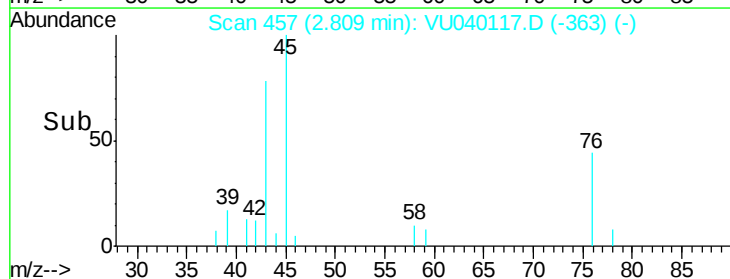
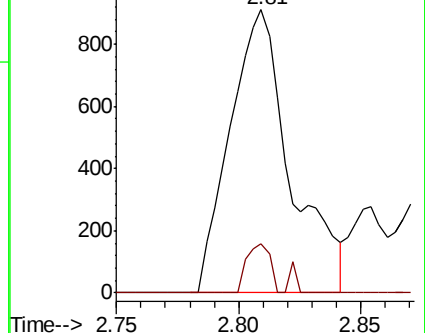
76 100

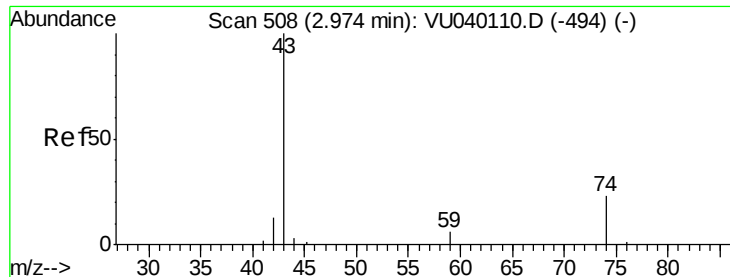
78 17.3 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 0.632 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

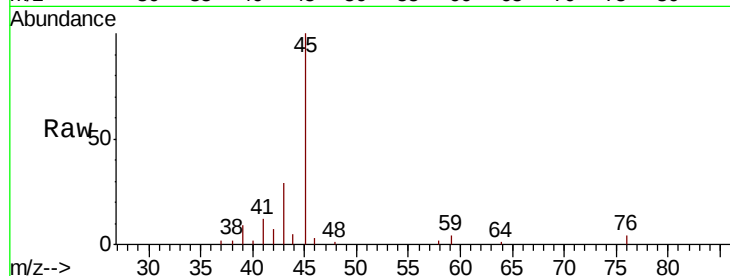
F4Y42

Tot Ion: 43 Resp: 3987

Ion Ratio Lower Upper

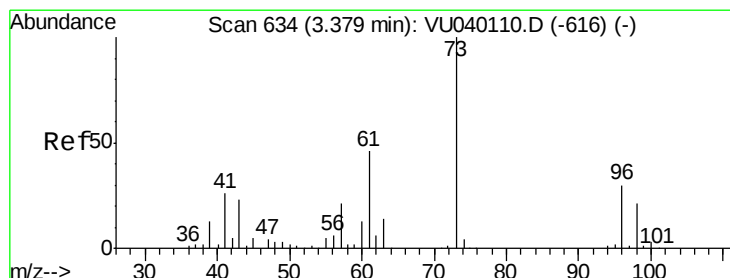
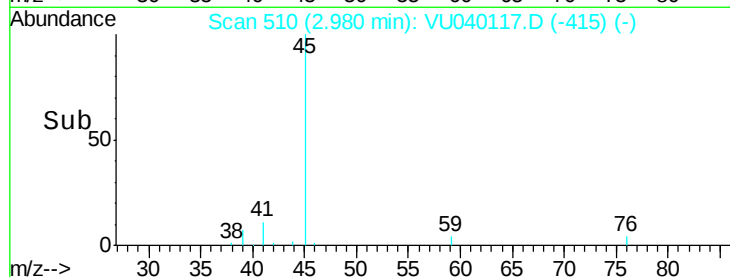
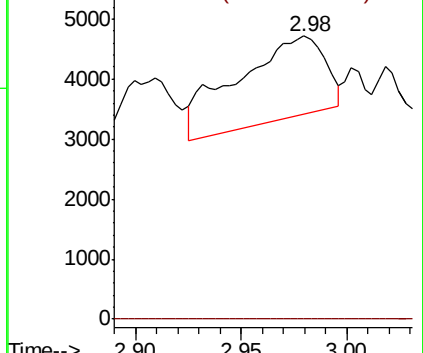
43 100

74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#17

Methyl tert-butyl Ether

Concen: 0.318 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

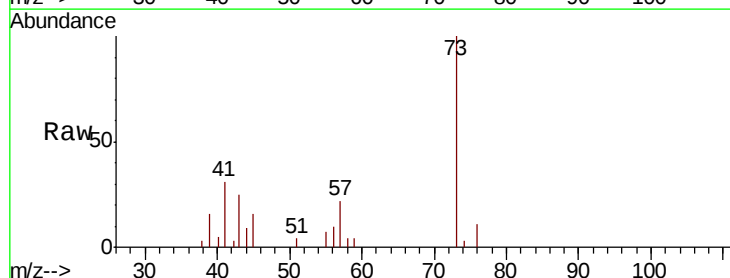
Tgt Ion: 73 Resp: 9230

Ion Ratio Lower Upper

73 100

43 20.5 19.1 28.7

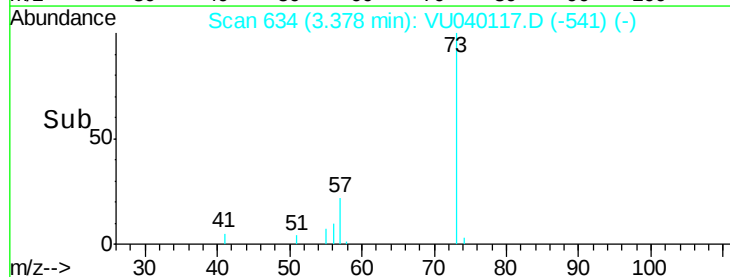
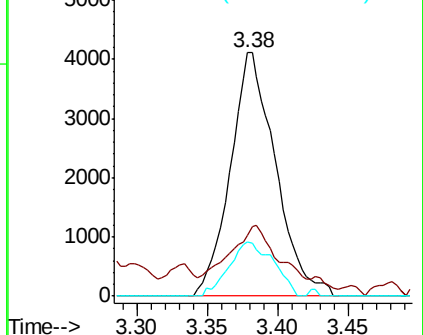
57 21.7 18.3 27.5

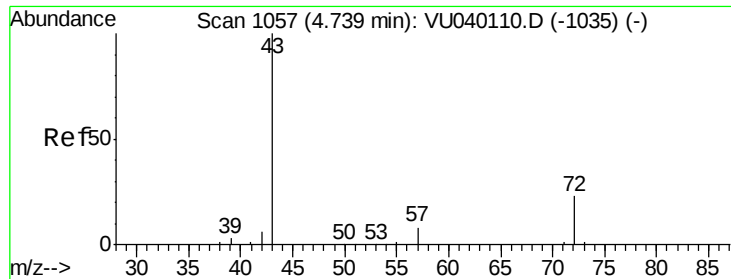


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#21

2-Butanone

Concen: 0.781 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

Instrument :

MSVOA_U

ClientSampled :

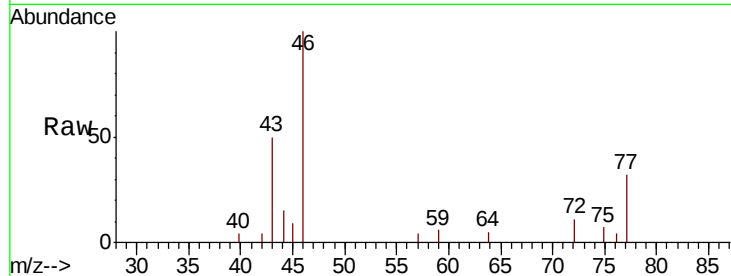
F4Y42

Tot Ion: 43 Resp: 3205

Ion Ratio Lower Upper

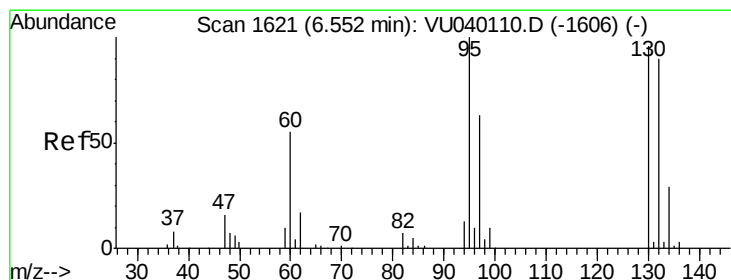
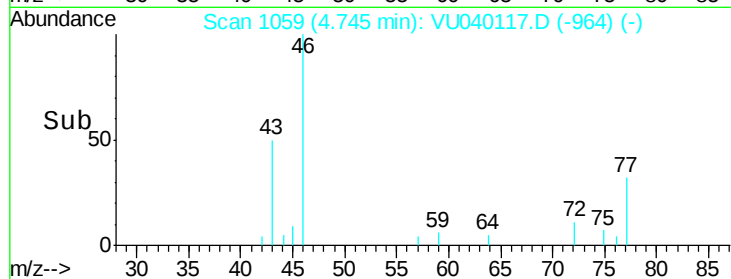
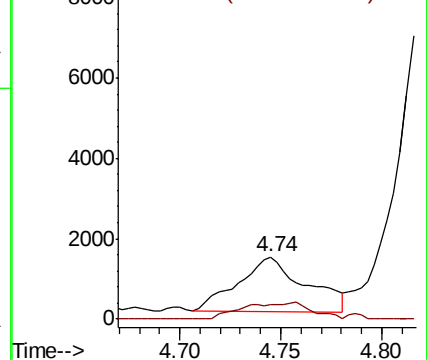
43 100

72 13.1 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#34

Trichloroethene

Concen: 0.214 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

Tgt Ion: 95 Resp: 2602

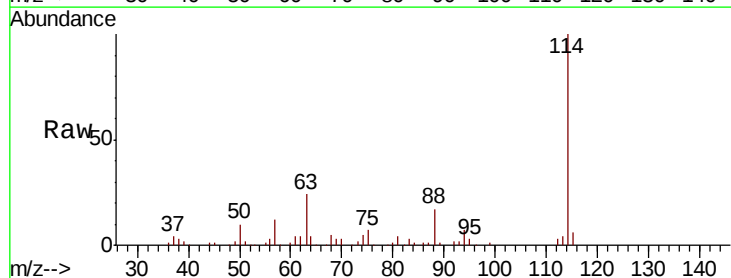
Ion Ratio Lower Upper

95 100

97 0.0 43.3 80.5#

132 0.0 59.4 110.4#

130 0.0 64.8 120.4#

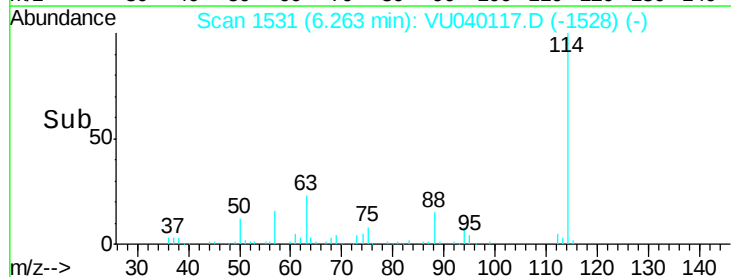
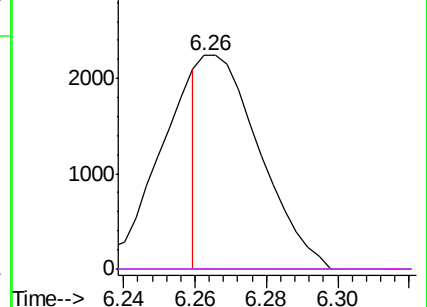


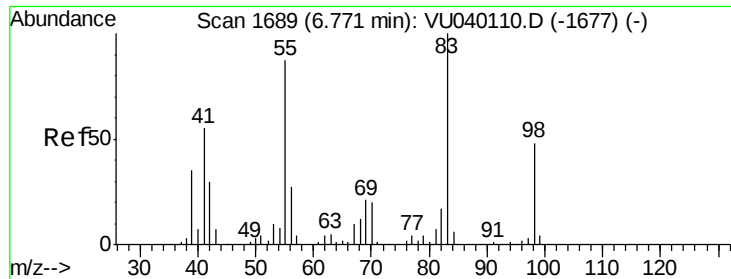
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

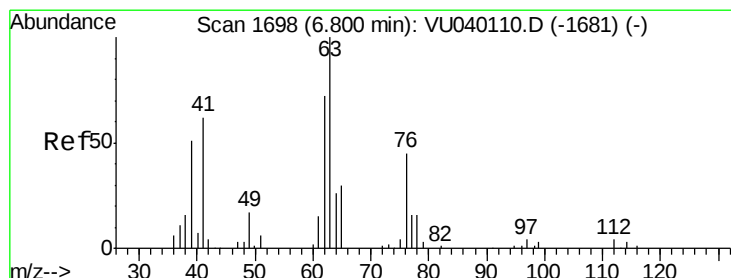
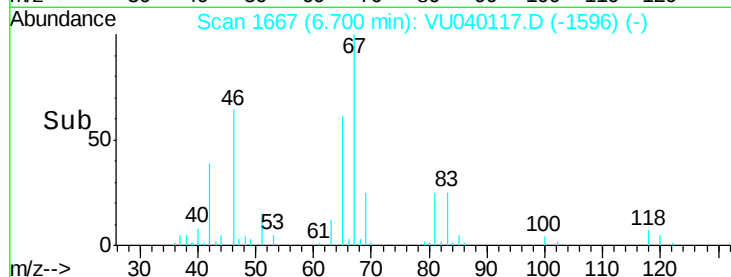
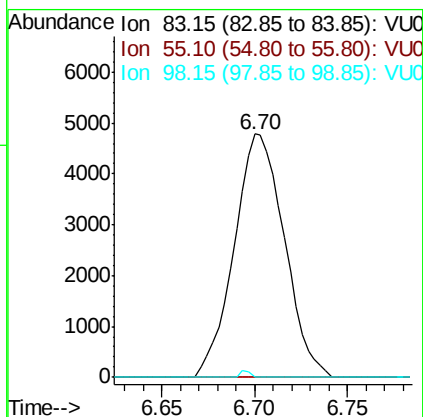
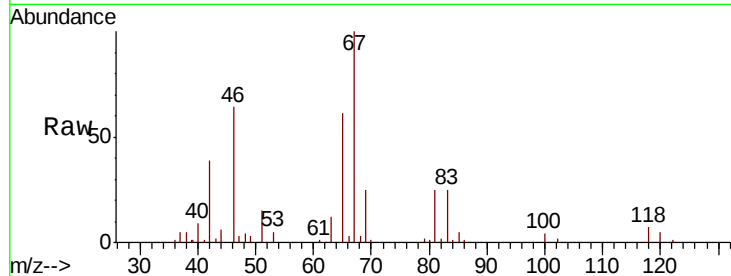




#35
Methvlcvclohexane
Concen: 0.481 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040117.D
Acq: 14 Sep 2020 13:40

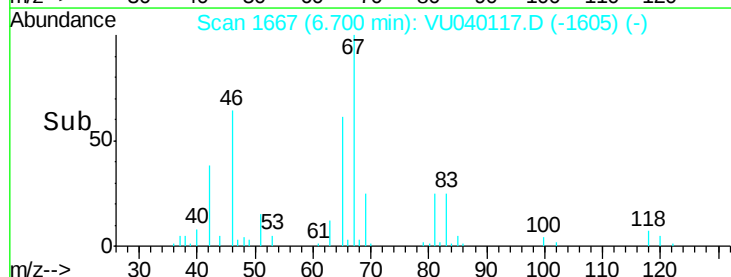
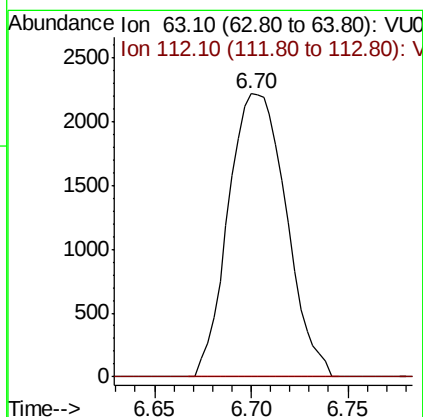
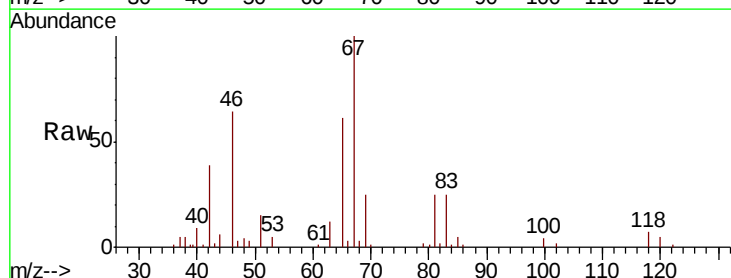
Instrument :
MSVOA_U
ClientSampleId :
F4Y42

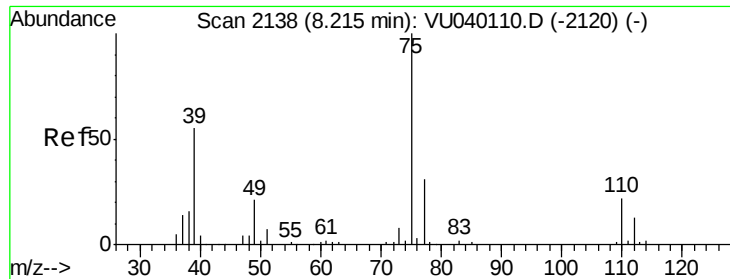
Tot Ion: 83 Resp: 8967
Ion Ratio Lower Upper
83 100
55 1.3 70.5 105.7#
98 0.5 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.375 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040117.D
Acq: 14 Sep 2020 13:40

Tgt Ion: 63 Resp: 4606
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#44

trans-1,3-Dichloropropene

Concen: 0.047 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040117.D

Acq: 14 Sep 2020 13:40

Instrument :

MSVOA_U

ClientSampled :

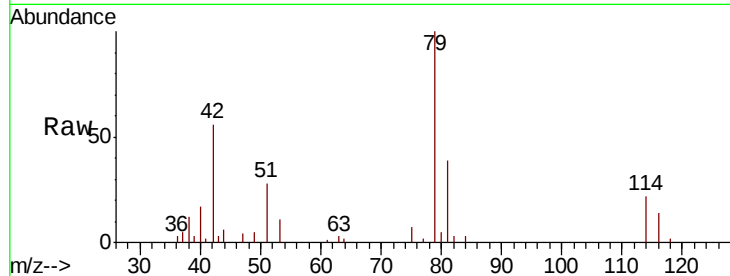
F4Y42

Tot Ion: 75 Resp: 795

Ion Ratio Lower Upper

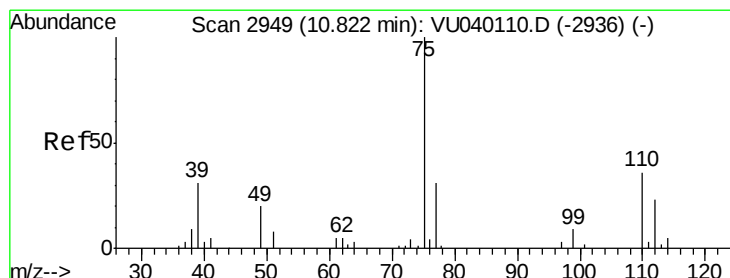
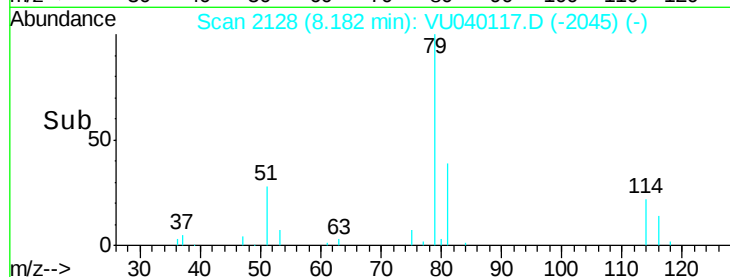
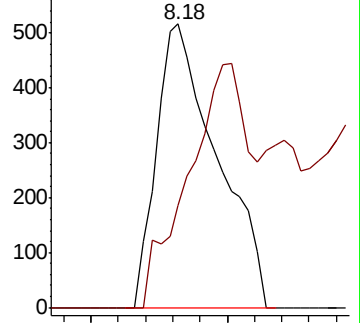
75 100

77 35.9 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.150 ug/L

RT: 10.53 min Scan# 2857

Delta R.T. -0.30 min

Lab File: VU040117.D

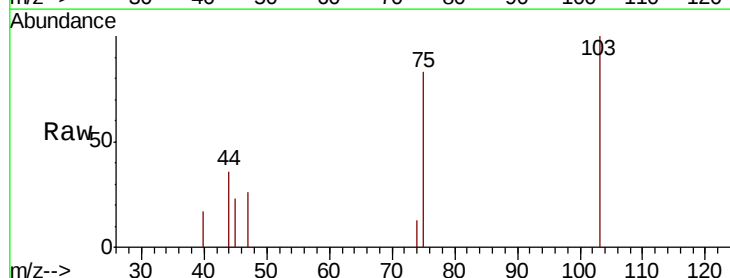
Acq: 14 Sep 2020 13:40

Tgt Ion: 75 Resp: 1360

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

