

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040119.D
 Acq On : 14 Sep 2020 14:27
 Operator : SY/MD
 Sample : L3961-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y45

Quant Time: Sep 15 02:14:34 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	108927	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30362	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.92	69	25087	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.58	63	50063	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.66	46	107657	45.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.52%
24) Chloroform-d	5.09	84	62229	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.72	65	37610	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.75	84	114693	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	37116	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.91	98	95034	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.19	79	14101	3.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.60%
46) 2-Hexanone-d5	8.64	63	74995	40.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32086	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	38440	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

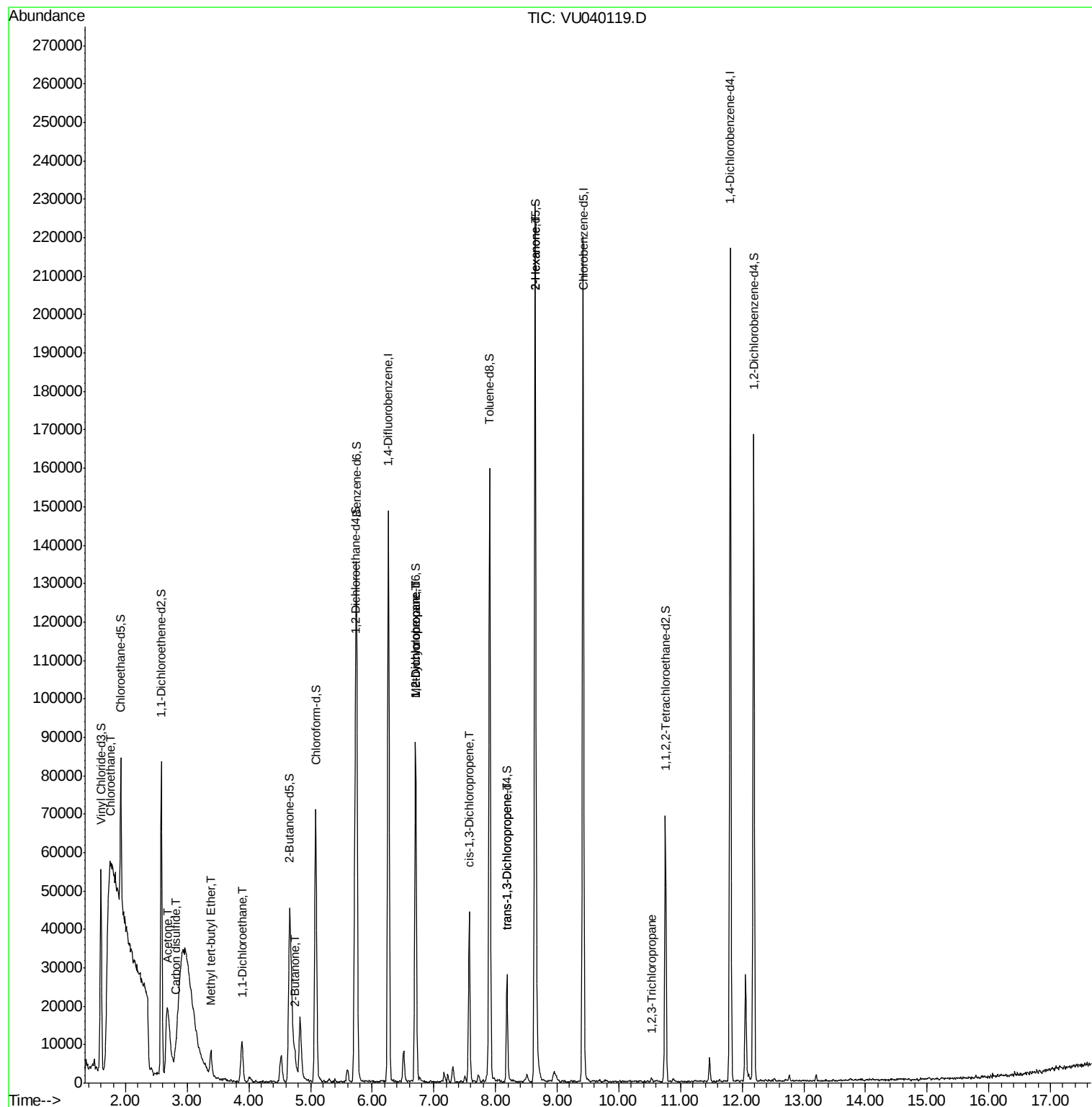
					Ovalue
8) Chloroethane	1.75	64	118906	18.857	ug/L # 51
13) Acetone	2.68	43	55936	25.401	ug/L 88
14) Carbon disulfide	2.81	76	2513	0.093	ug/L # 81
17) Methyl tert-butyl Ether	3.38	73	6221	0.245	ug/L # 80
19) 1,1-Dichloroethane	3.89	63	10045	0.538	ug/L 99
21) 2-Butanone	4.75	43	3967	1.103	ug/L 97
35) Methylcyclohexane	6.71	83	8802	0.545	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	4696	0.441	ug/L # 88
39) cis-1,3-Dichloropropene	7.58	75	1199	0.076	ug/L # 77
44) trans-1,3-Dichloropropene	8.19	75	683	0.047	ug/L # 42
48) 2-Hexanone	8.64	43	10738	1.684	ug/L # 70
59) 1,2,3-Trichloropropane	10.54	75	471	0.060	ug/L # 44

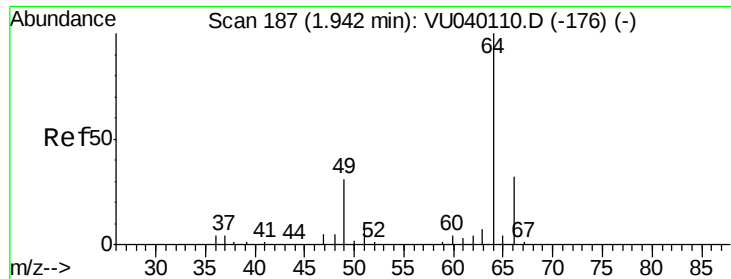
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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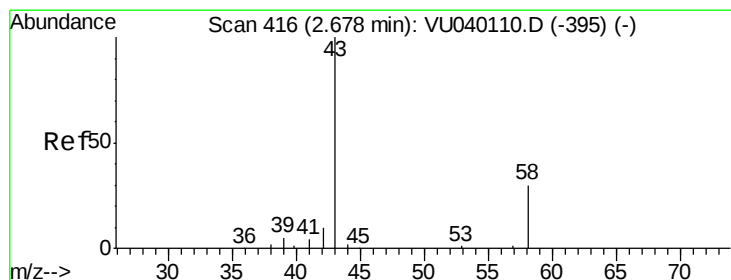
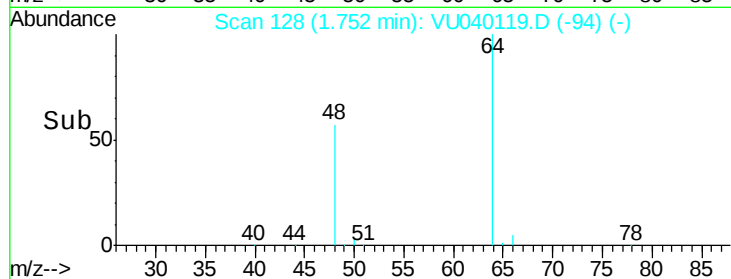
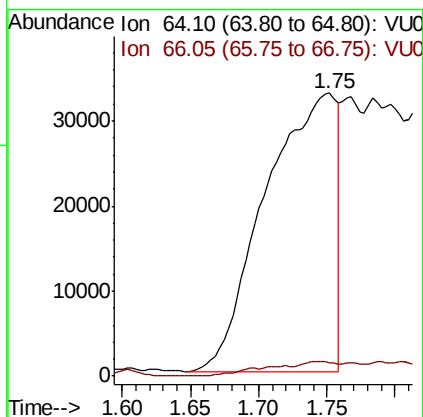
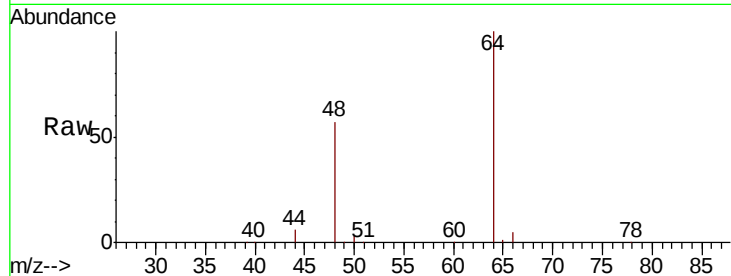




#8
 Chloroethane
 Concen: 18.857 ug/L
 RT: 1.75 min Scan# 128
 Delta R.T. -0.19 min
 Lab File: VU040119.D
 Acq: 14 Sep 2020 14:27

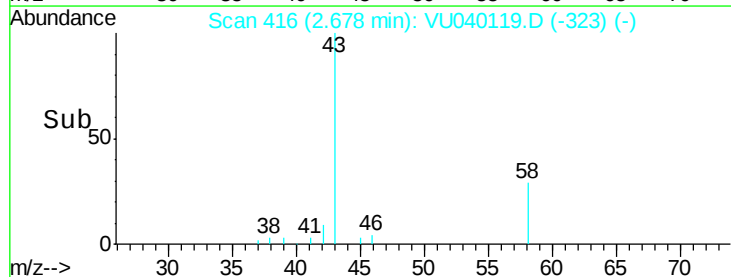
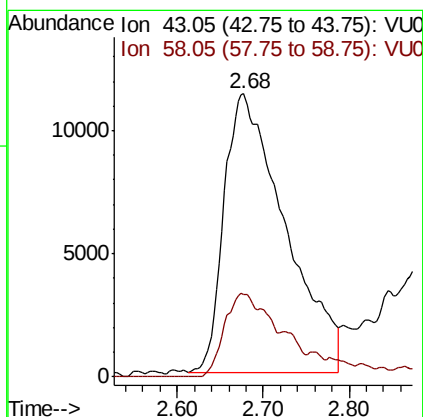
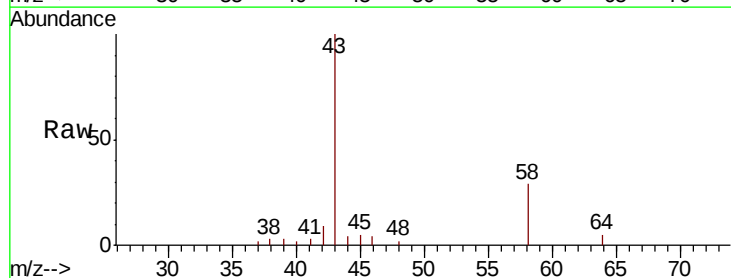
Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y45

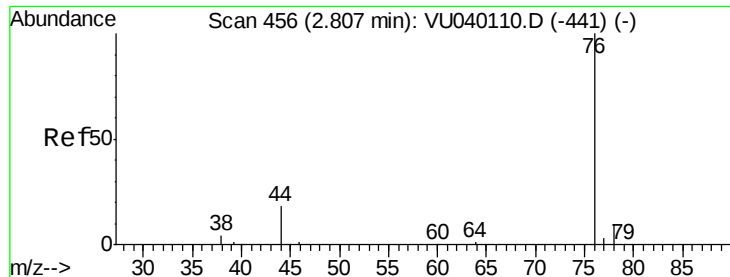
Tot Ion: 64 Resp: 118906
 Ion Ratio Lower Upper
 64 100
 66 4.9 22.7 42.1#



#13
 Acetone
 Concen: 25.401 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VU040119.D
 Acq: 14 Sep 2020 14:27

Tgt Ion: 43 Resp: 55936
 Ion Ratio Lower Upper
 43 100
 58 21.4 0.0 55.4





#14

Carbon disulfide

Concen: 0.093 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040119.D

Acq: 14 Sep 2020 14:27

Instrument :

MSVOA_U

ClientSampleId :

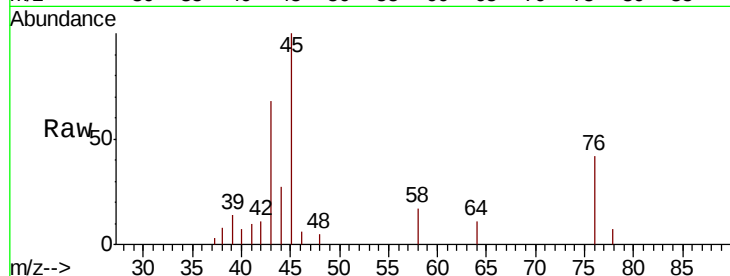
F4Y45

Tot Ion: 76 Resp: 2513

Ion Ratio Lower Upper

76 100

78 15.8 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040119.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040119.D (-441) (-)

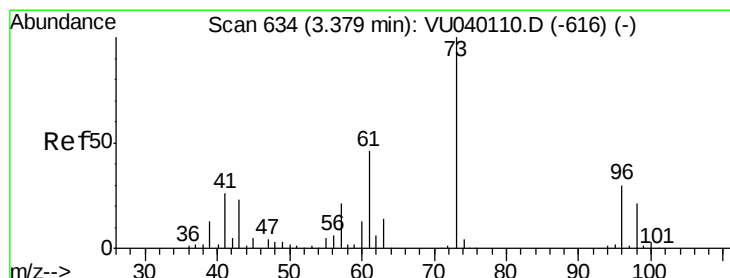
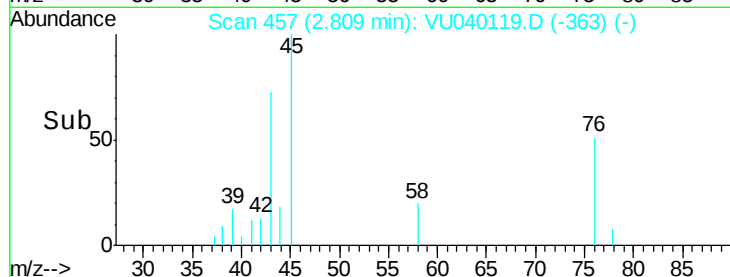
2.81

1000

500

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.245 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040119.D

Acq: 14 Sep 2020 14:27

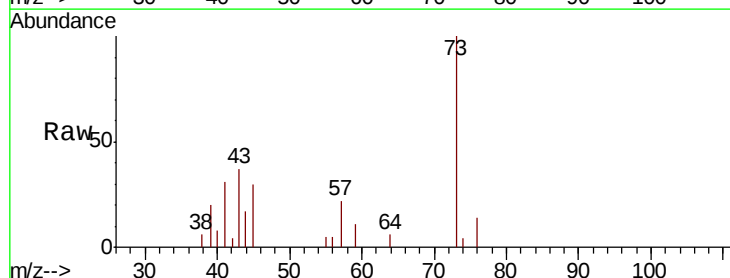
Tgt Ion: 73 Resp: 6221

Ion Ratio Lower Upper

73 100

43 43.4 19.1 28.7#

57 22.7 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU040119.D (-616) (-)

Ion 43.05 (42.75 to 43.75): VU040119.D (-616) (-)

Ion 57.10 (56.80 to 57.80): VU040119.D (-616) (-)

3.38

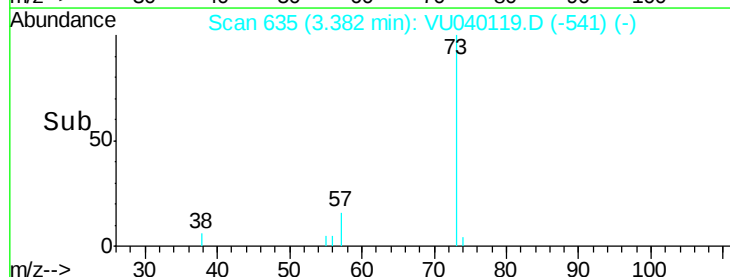
3000

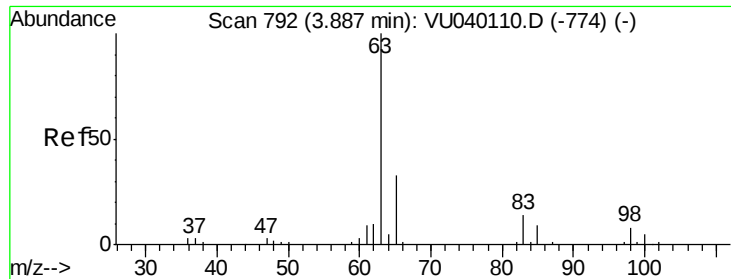
2000

1000

0

Time-->

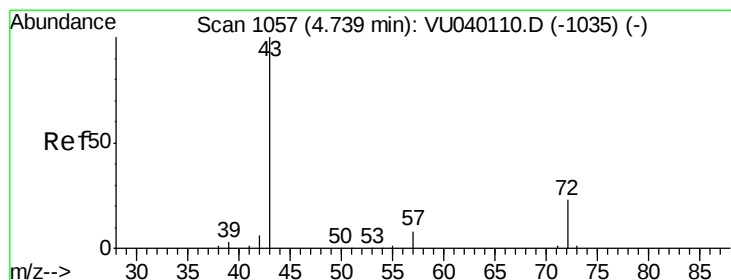
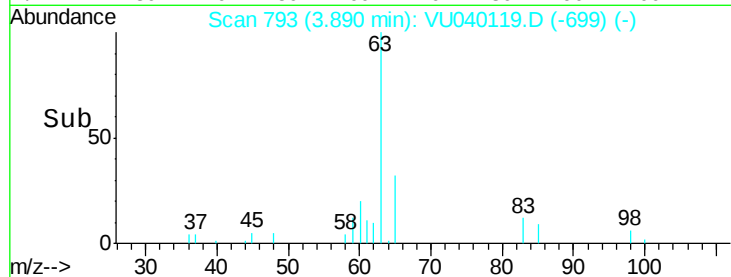
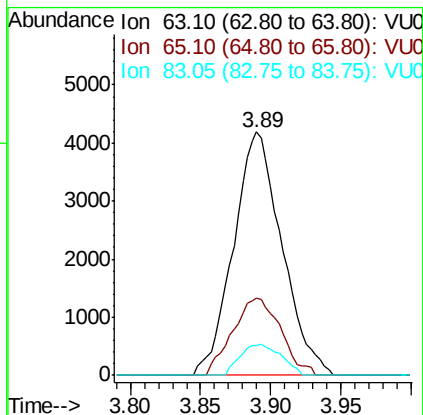
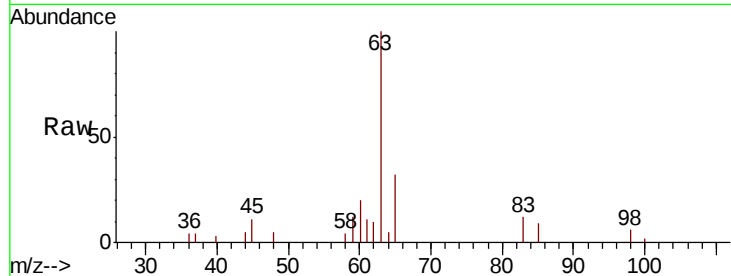




#19
 1,1-Dichloroethane
 Concen: 0.538 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040119.D
 Acq: 14 Sep 2020 14:27

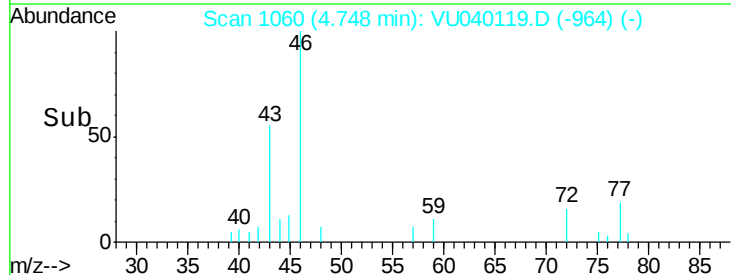
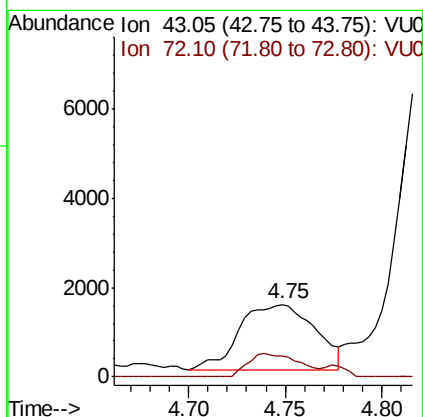
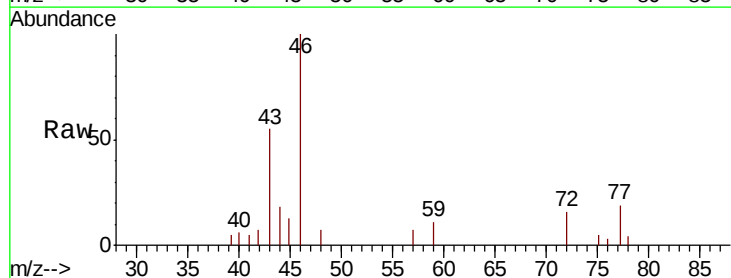
Instrument :
 MSVOA_U
 ClientSampled :
 F4Y45

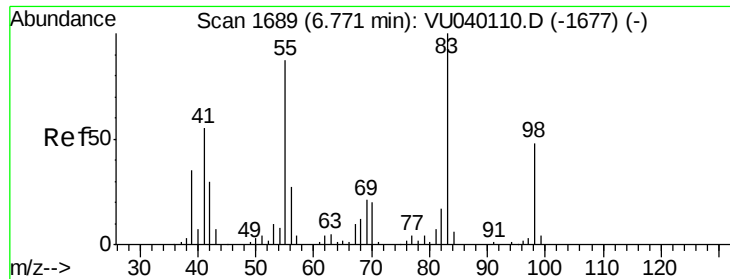
Tot Ion: 63 Resp: 10045
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.2 41.2
 83 12.4 9.4 17.6



#21
 2-Butanone
 Concen: 1.103 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VU040119.D
 Acq: 14 Sep 2020 14:27

Tgt Ion: 43 Resp: 3967
 Ion Ratio Lower Upper
 43 100
 72 24.5 11.7 35.0

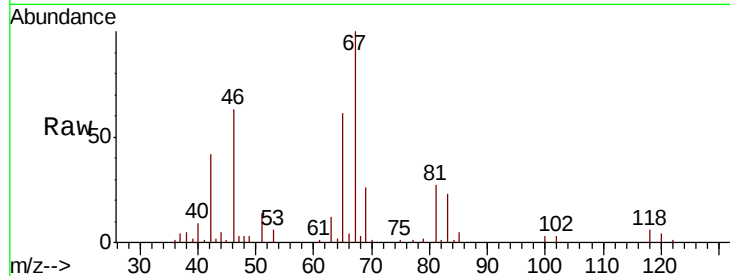




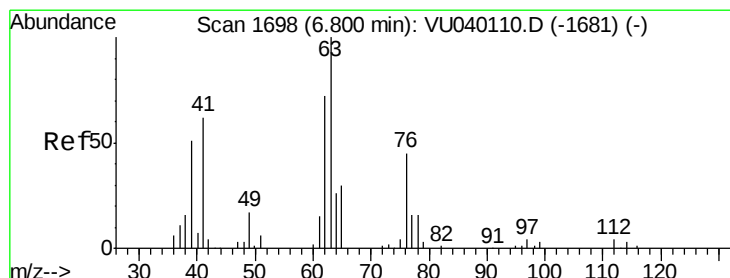
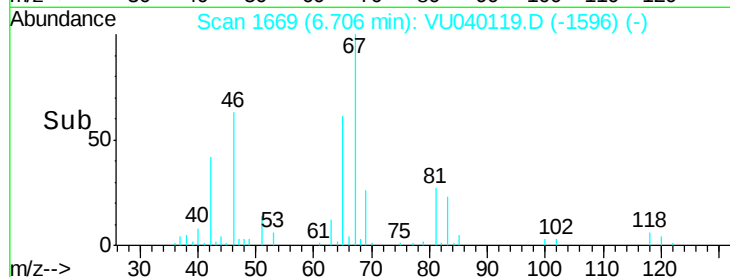
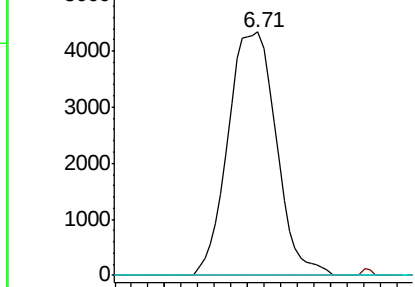
#35
Methvlcvclohexane
Concen: 0.545 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU040119.D
Acq: 14 Sep 2020 14:27

Instrument :
MSVOA_U
ClientSampleId :
F4Y45

Tot Ion: 83 Resp: 8802
Ion Ratio Lower Upper
83 100
55 0.5 70.5 105.7#
98 0.0 37.8 56.6#

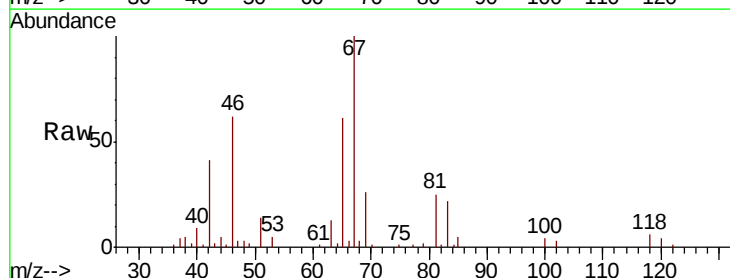


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

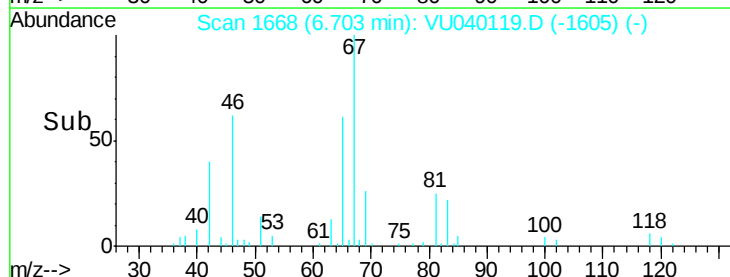
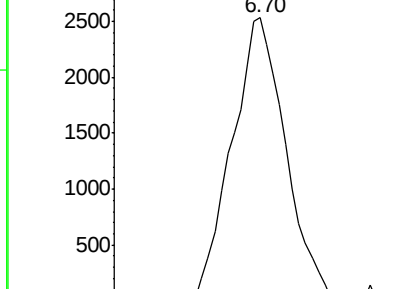


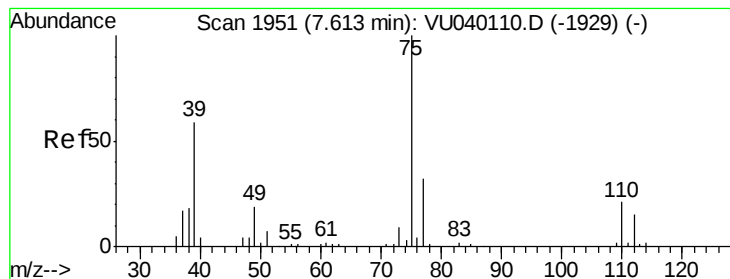
#37
1,2-Dichloropropane
Concen: 0.441 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040119.D
Acq: 14 Sep 2020 14:27

Tgt Ion: 63 Resp: 4696
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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: 0.076 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040119.D

Acq: 14 Sep 2020 14:27

Instrument :

MSVOA_U

ClientSampleId :

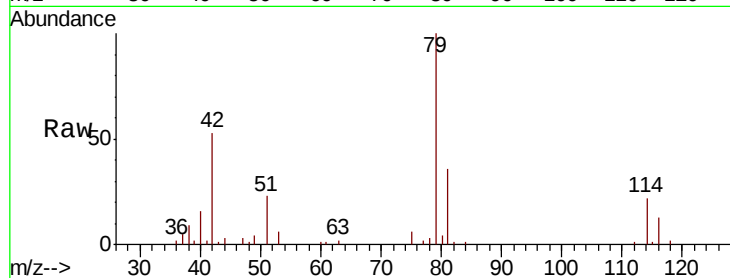
F4Y45

Tot Ion: 75 Resp: 1199

Ion Ratio Lower Upper

75 100

77 42.9 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.58

600

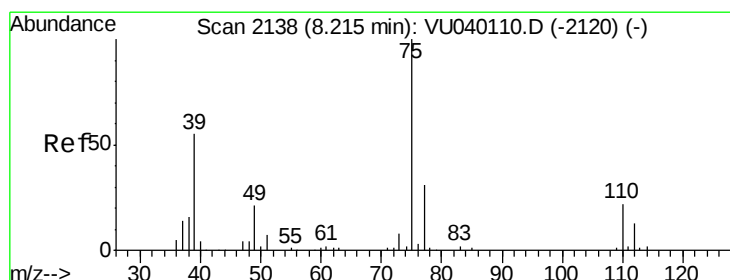
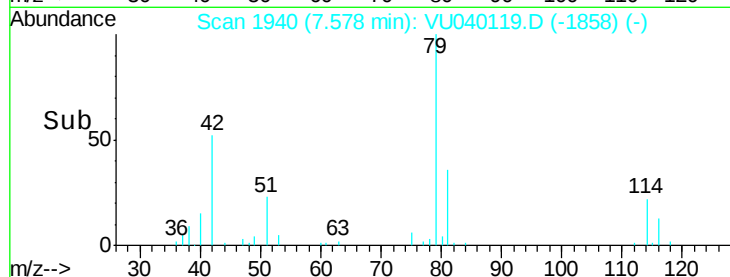
400

200

0

7.55 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.047 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040119.D

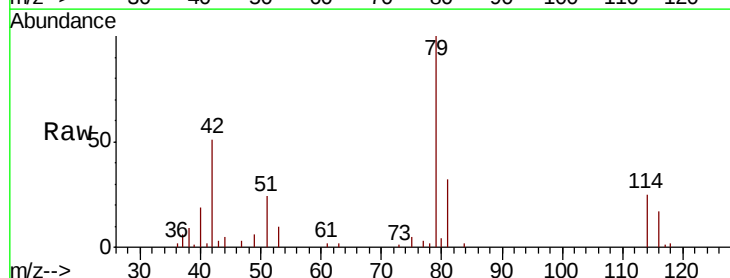
Acq: 14 Sep 2020 14:27

Tgt Ion: 75 Resp: 683

Ion Ratio Lower Upper

75 100

77 67.4 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

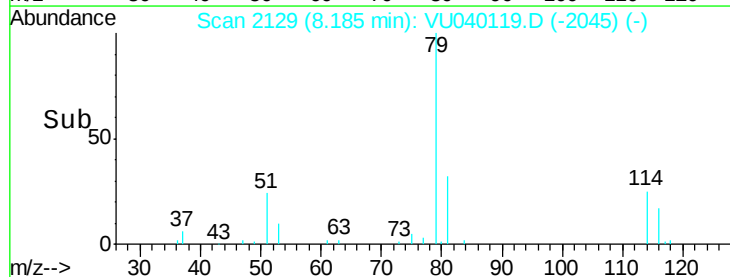
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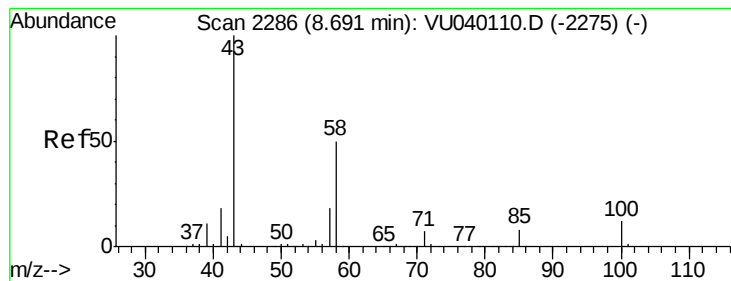
200

0

8.16 8.18 8.20 8.22

Time-->





#48

2-Hexanone

Concen: 1.684 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040119.D

Acq: 14 Sep 2020 14:27

Instrument :

MSVOA_U

ClientSampleId :

F4Y45

Tot Ion: 43 Resp: 10738

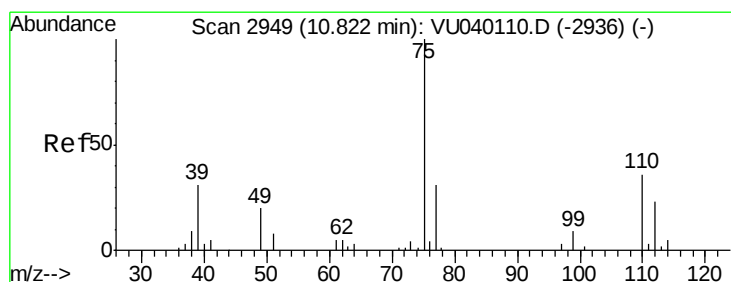
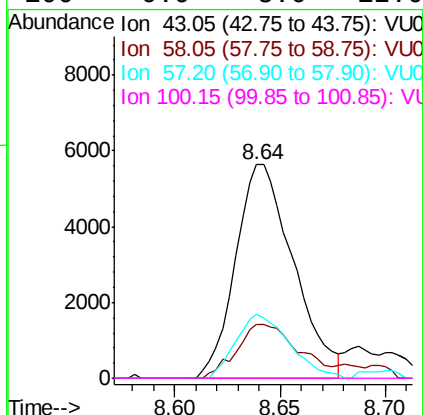
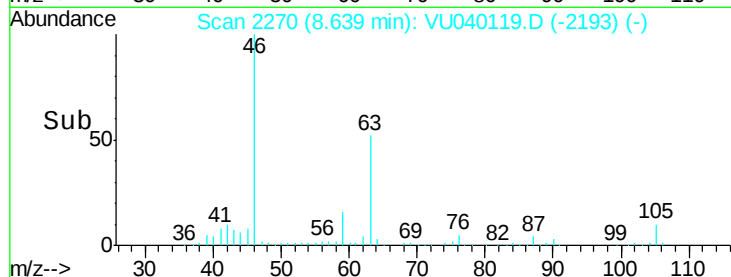
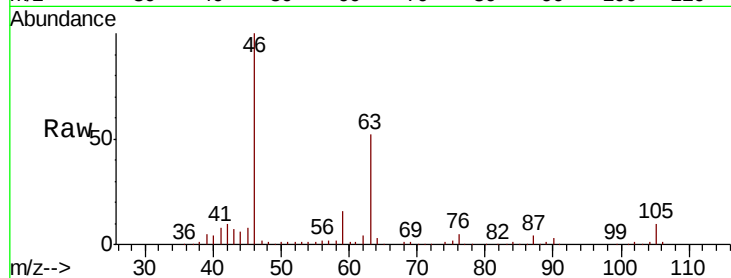
Ion Ratio Lower Upper

43 100

58 26.8 39.6 59.4#

57 27.8 14.3 21.5#

100 0.9 8.0 12.0#



#59

1,2,3-Trichloropropane

Concen: 0.060 ug/L

RT: 10.54 min Scan# 2860

Delta R.T. -0.29 min

Lab File: VU040119.D

Acq: 14 Sep 2020 14:27

Tgt Ion: 75 Resp: 471

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

