

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040242.D
 Acq On : 21 Sep 2020 18:31
 Operator : SY/MD
 Sample : L4078-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AN4

Quant Time: Sep 22 07:17:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 22 07:07:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119499	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118887	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53007	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32229	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	29416	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.58	63	57270	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.66	46	146274	56.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.10%
24) Chloroform-d	5.08	84	73418	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	46472	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.74	84	139648	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	44607	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	116446	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	17894	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	107330	53.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40931	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45429	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

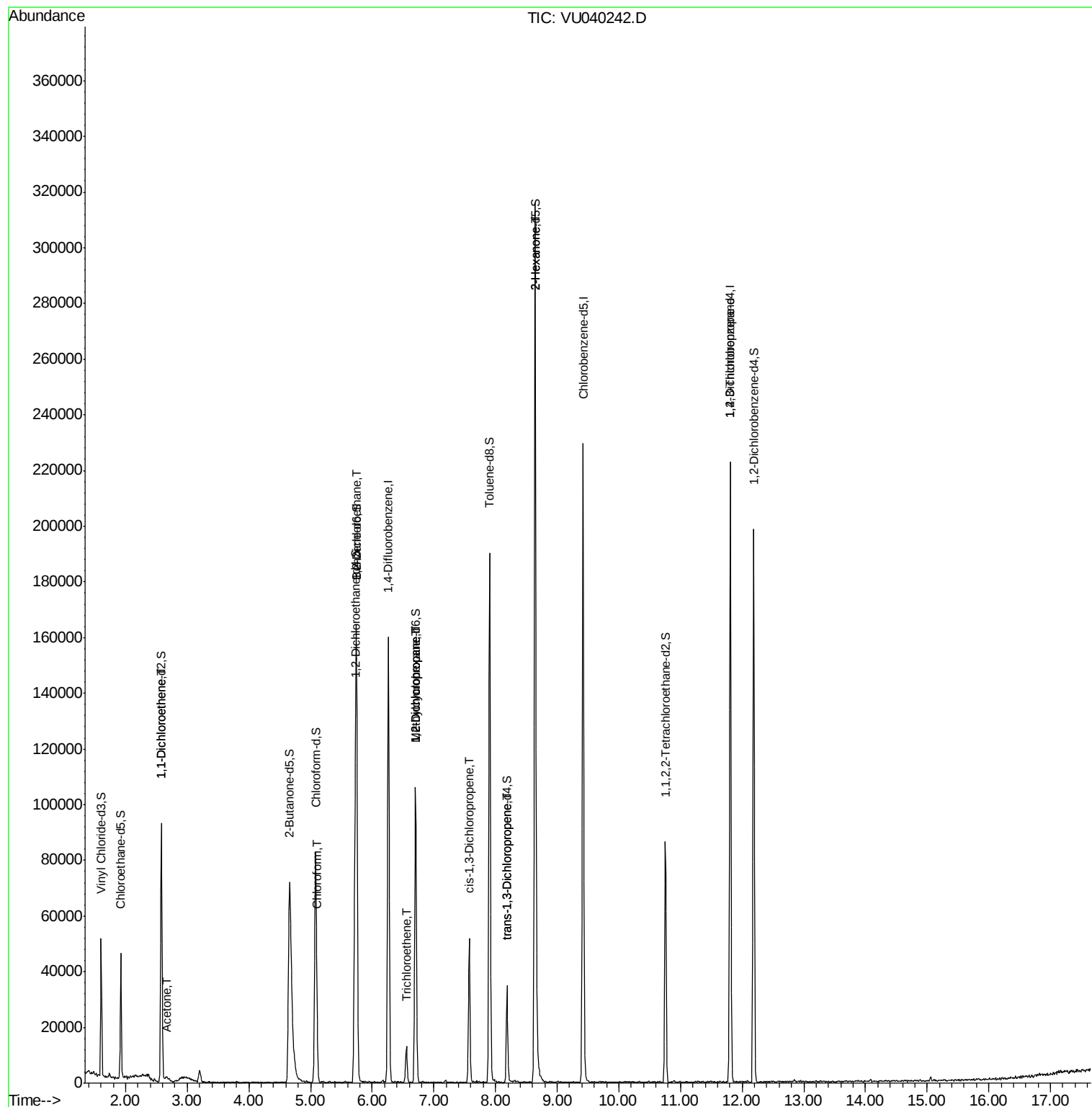
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.58	96	560	0.061	ug/L #	1
13) Acetone	2.67	43	2734	1.132	ug/L	96
25) Chloroform	5.11	83	2240	0.107	ug/L	88
27) 1,2-Dichloroethane	5.75	62	1065	0.069	ug/L #	78
34) Trichloroethene	6.56	95	4389	0.385	ug/L	91
35) Methylcyclohexane	6.70	83	10897	0.624	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5663	0.492	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1406	0.083	ug/L	87
44) trans-1,3-Dichloropropene	8.19	75	690	0.044	ug/L #	64
48) 2-Hexanone	8.64	43	14779	2.144	ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	8272	0.970	ug/L #	88

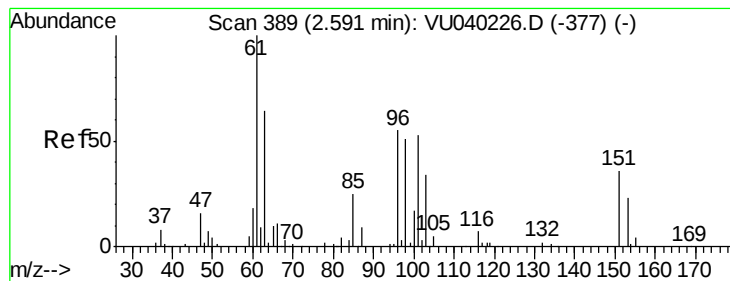
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040242.D

Acq: 21 Sep 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

C0AN4

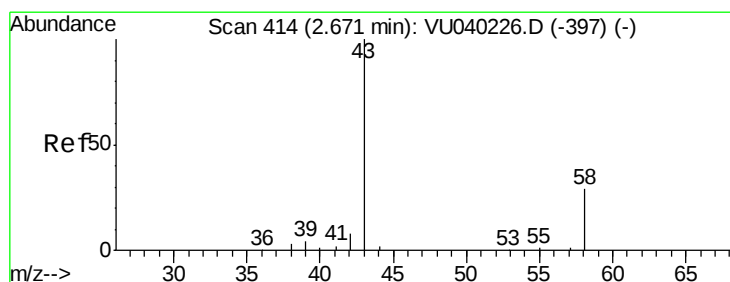
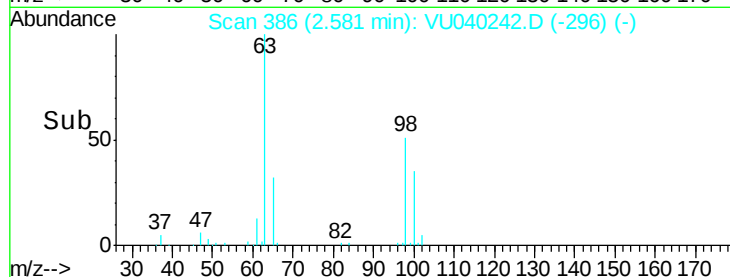
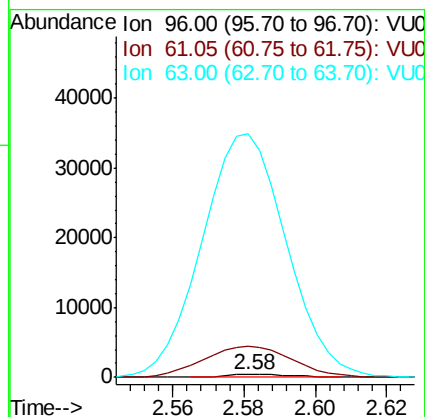
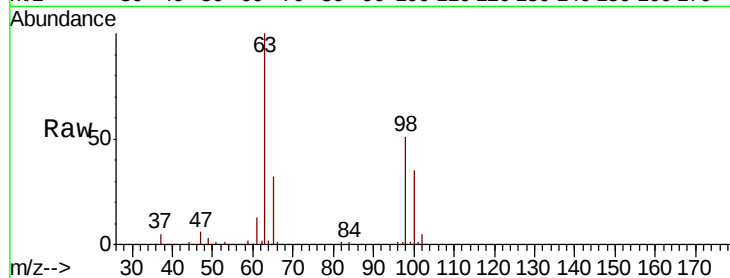
Tot Ion: 96 Resp: 560

Ion Ratio Lower Upper

96 100

61 1065.9 138.3 256.8#

63 8449.4 77.6 144.2#



#13

Acetone

Concen: 1.132 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU040242.D

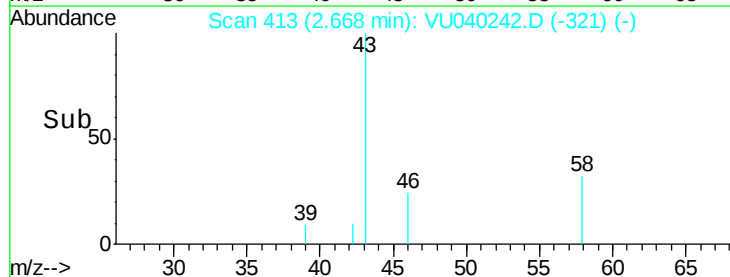
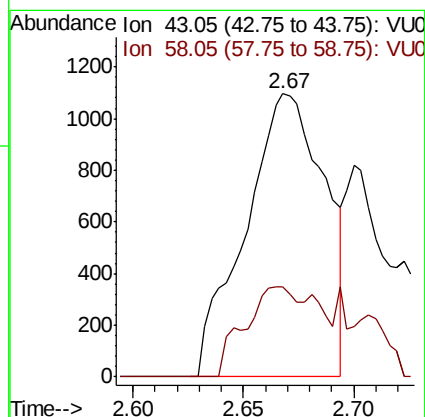
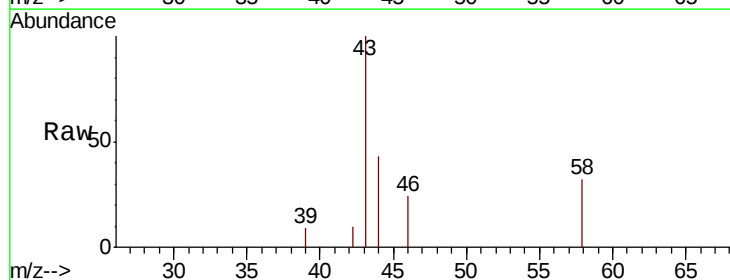
Acq: 21 Sep 2020 18:31

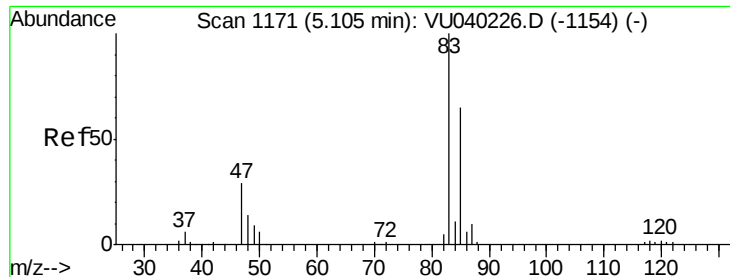
Tgt Ion: 43 Resp: 2734

Ion Ratio Lower Upper

43 100

58 29.8 0.0 55.4

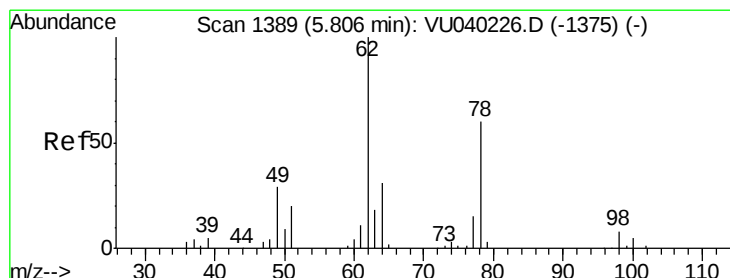
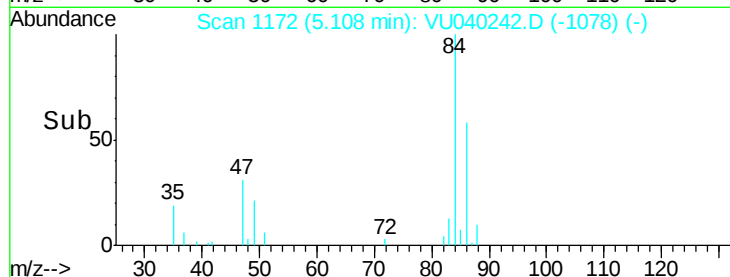
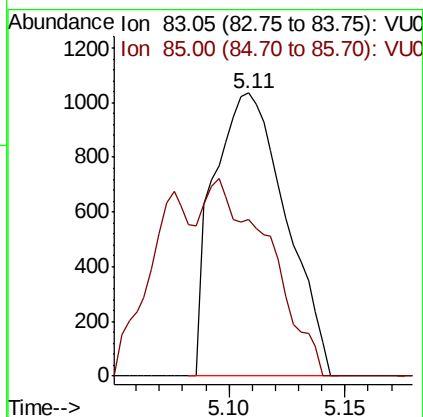
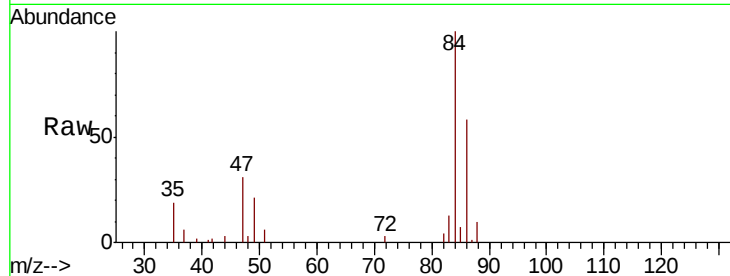




#25
Chloroform
Concen: 0.107 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040242.D
Acq: 21 Sep 2020 18:31

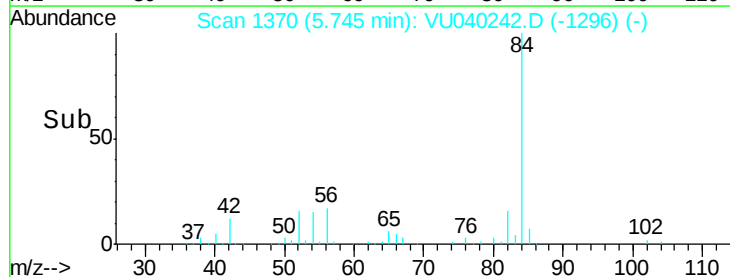
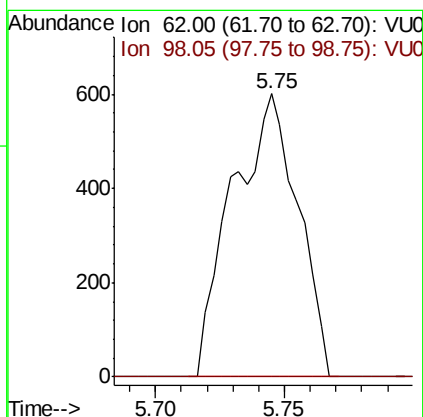
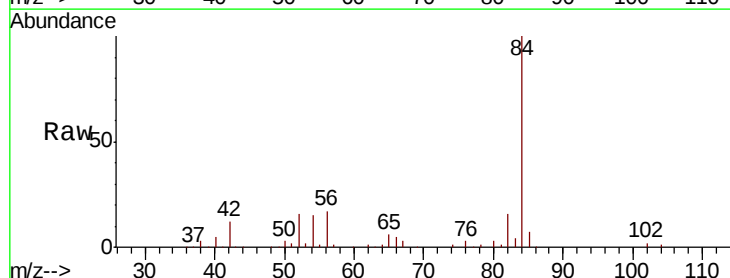
Instrument :
MSVOA_U
ClientSampled :
C0AN4

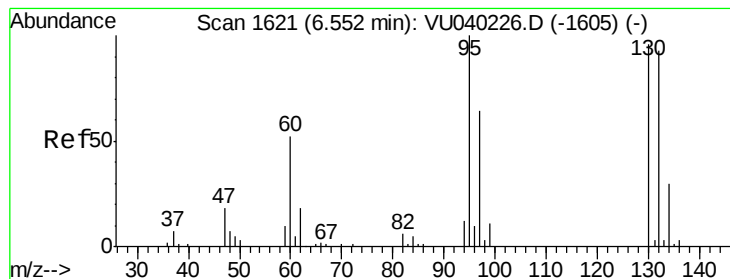
Tot Ion: 83 Resp: 2240
Ion Ratio Lower Upper
83 100
85 55.4 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.069 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU040242.D
Acq: 21 Sep 2020 18:31

Tgt Ion: 62 Resp: 1065
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#





#34

Trichloroethene

Concen: 0.385 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040242.D

Acq: 21 Sep 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

C0AN4

Tot Ion: 95 Resp: 4389

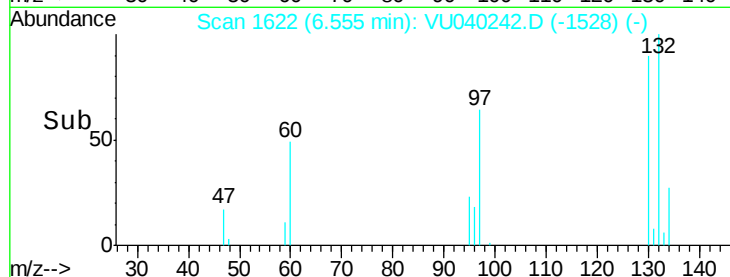
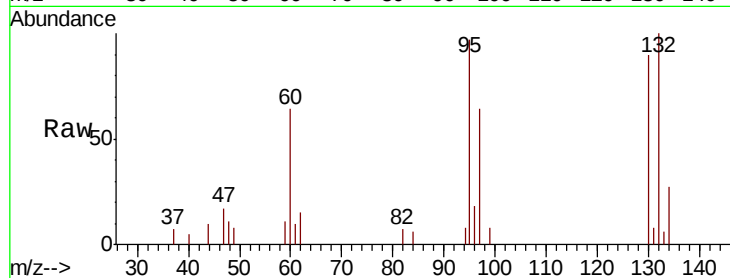
Ion Ratio Lower Upper

95 100

97 66.4 43.3 80.5

132 103.2 59.4 110.4

130 92.4 64.8 120.4

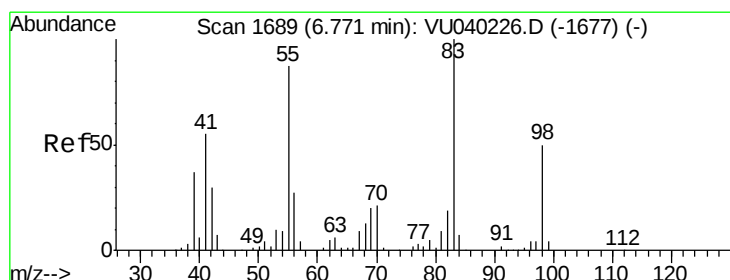
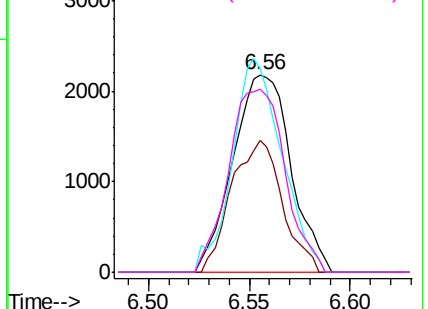


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.624 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040242.D

Acq: 21 Sep 2020 18:31

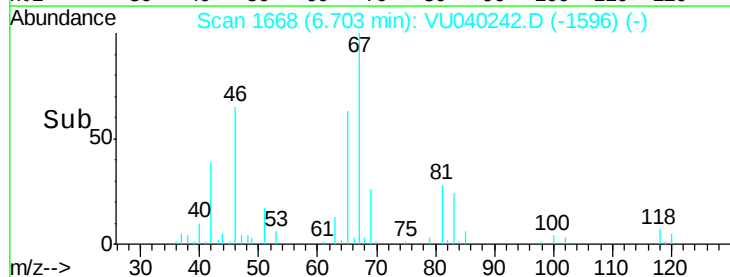
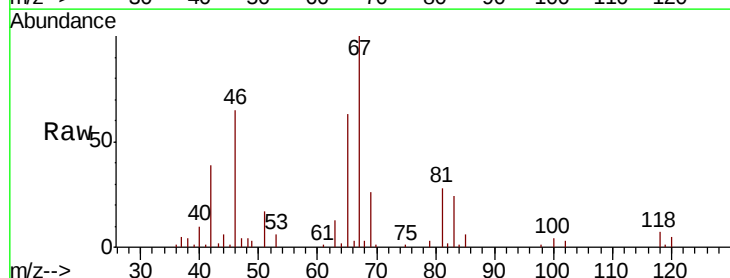
Tgt Ion: 83 Resp: 10897

Ion Ratio Lower Upper

83 100

55 0.0 70.5 105.7#

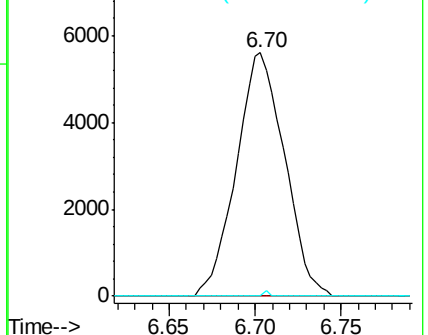
98 0.2 37.8 56.6#

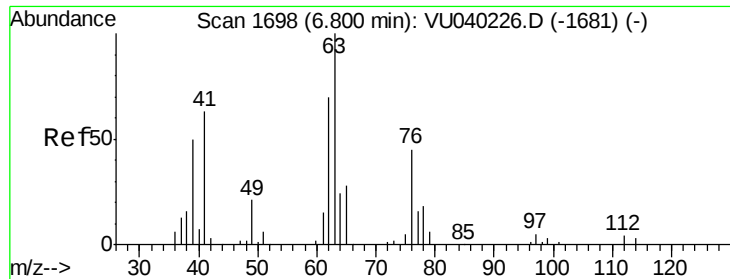


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.492 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040242.D

Acq: 21 Sep 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

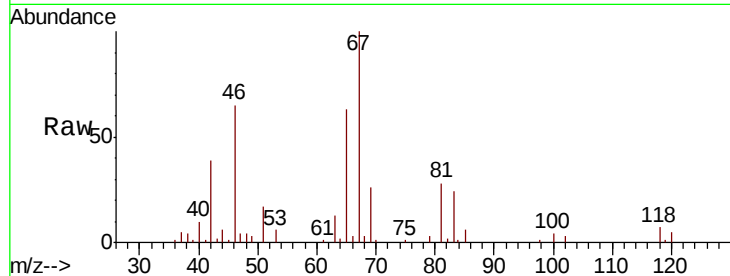
C0AN4

Tot Ion: 63 Resp: 5663

Ion Ratio Lower Upper

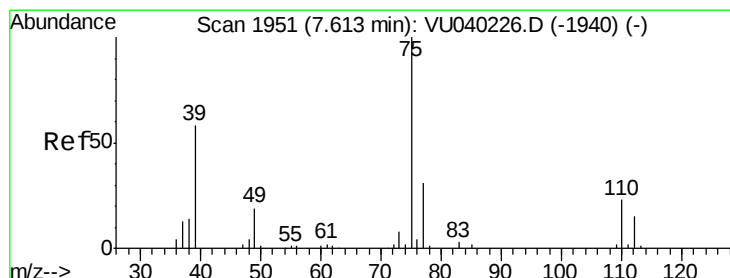
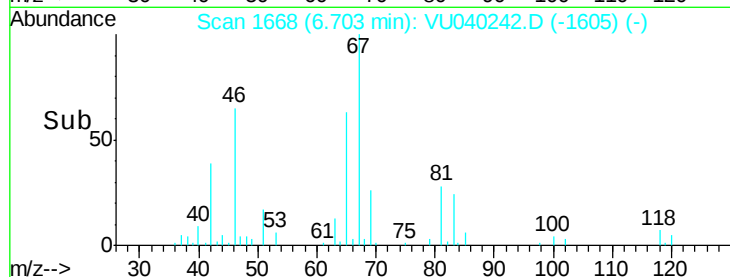
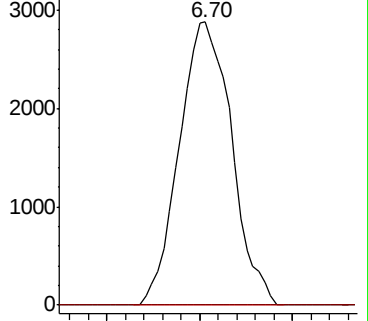
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040226.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040226.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040242.D

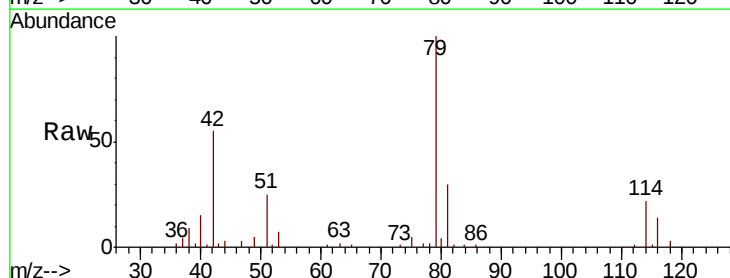
Acq: 21 Sep 2020 18:31

Tgt Ion: 75 Resp: 1406

Ion Ratio Lower Upper

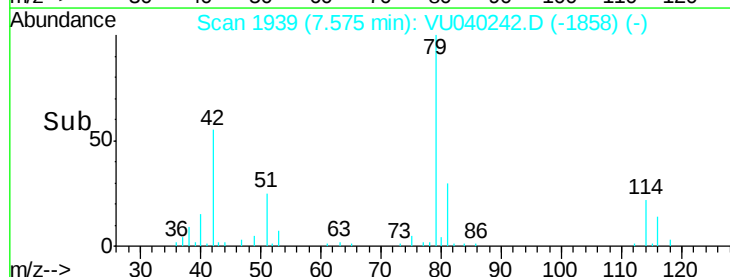
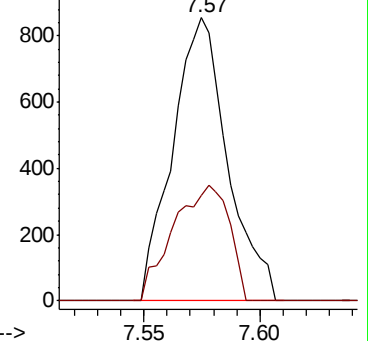
75 100

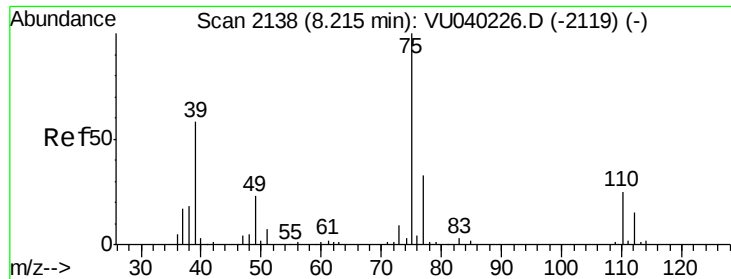
77 37.1 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU040226.D (-1940) (-)

Ion 77.05 (76.75 to 77.75): VU040226.D (-1940) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.044 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU040242.D

Acq: 21 Sep 2020 18:31

Instrument :

MSVOA_U

ClientSampled :

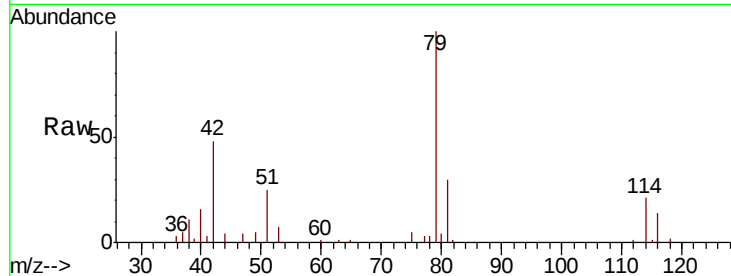
C0AN4

Tot Ion: 75 Resp: 690

Ion Ratio Lower Upper

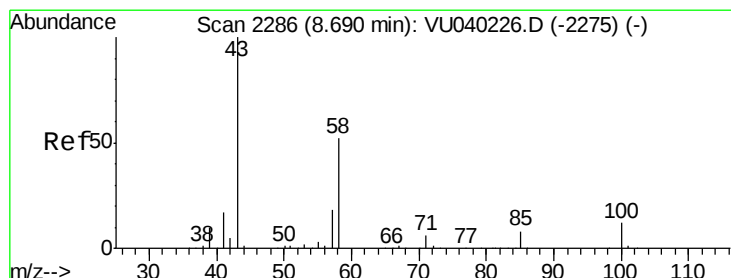
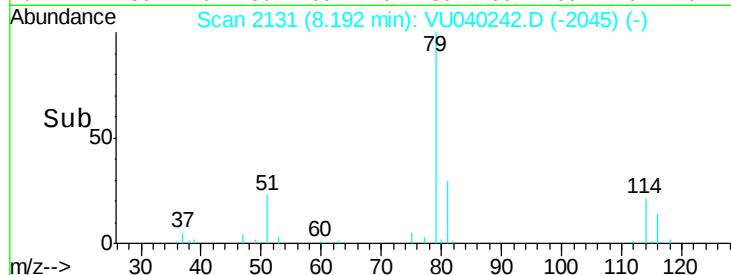
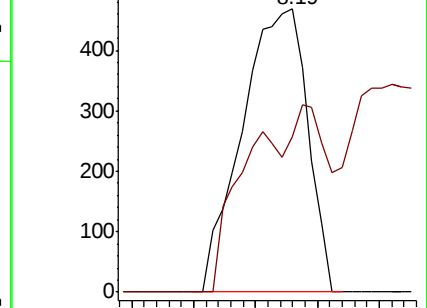
75 100

77 54.9 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.144 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040242.D

Acq: 21 Sep 2020 18:31

Tgt Ion: 43 Resp: 14779

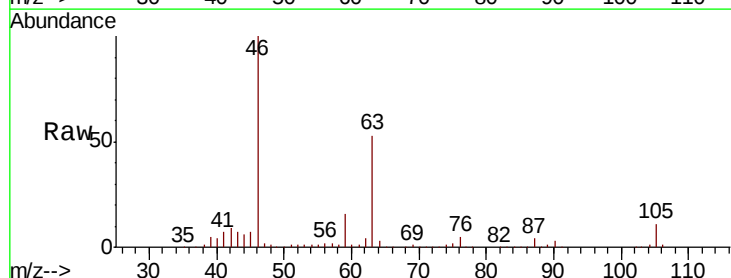
Ion Ratio Lower Upper

43 100

58 29.4 39.6 59.4#

57 30.5 14.3 21.5#

100 0.0 8.0 12.0#

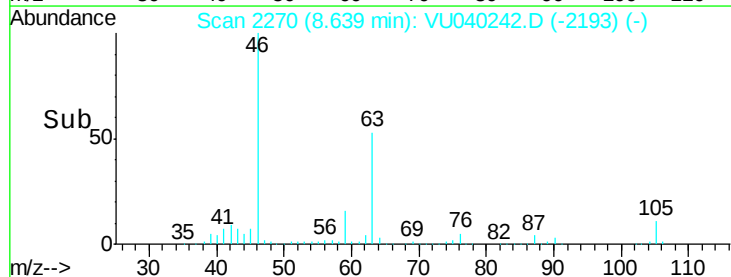
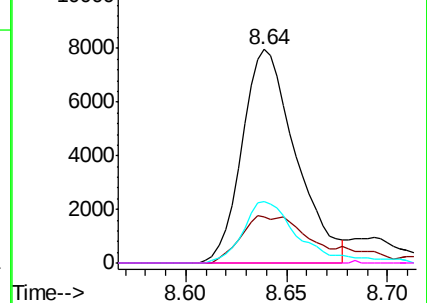


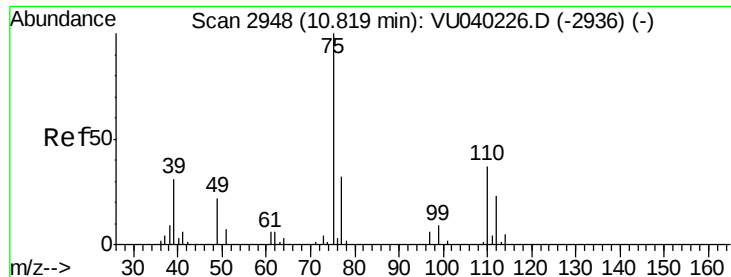
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 0.970 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040242.D

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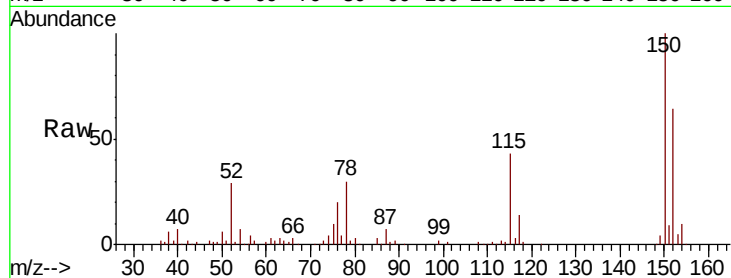
C0AN4

Tot Ion: 75 Resp: 8272

Ion Ratio Lower Upper

75 100

77 38.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

