

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040395.D
 Acq On : 30 Sep 2020 13:43
 Operator : SY/MD
 Sample : L4186-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E9

Quant Time: Oct 01 03:07:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117930	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121845	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53226	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27873	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	27520	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.58	63	46169	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.65	46	162978	56.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.40%
24) Chloroform-d	5.08	84	72663	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	44643	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.74	84	127533	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.70	67	46051	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	96245	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	17603	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	111159	51.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.36%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45088	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45831	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

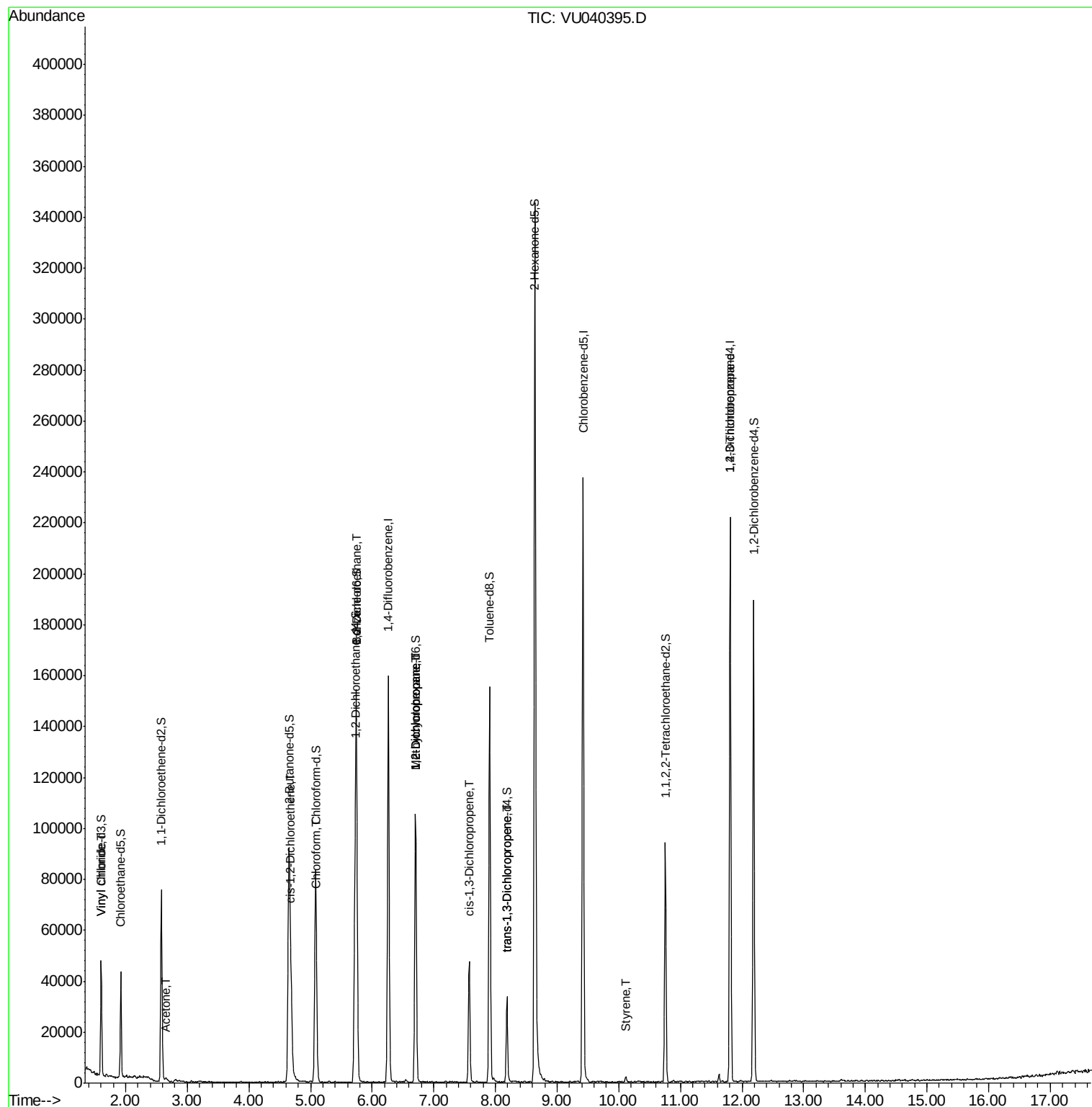
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	831	0.073	ug/L #	39
13) Acetone	2.65	43	2565	1.061	ug/L	85
22) cis-1,2-Dichloroethene	4.69	96	7797	0.759	ug/L	95
25) Chloroform	5.11	83	2785	0.143	ug/L	85
27) 1,2-Dichloroethane	5.75	62	679	0.050	ug/L #	74
35) Methylcyclohexane	6.70	83	10668	0.671	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5413	0.476	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1446	0.095	ug/L #	75
44) trans-1,3-Dichloropropene	8.18	75	963	0.068	ug/L	94
55) Styrene	10.11	104	1379	0.050	ug/L	85
59) 1,2,3-Trichloropropane	11.81	75	7708	0.935	ug/L	89

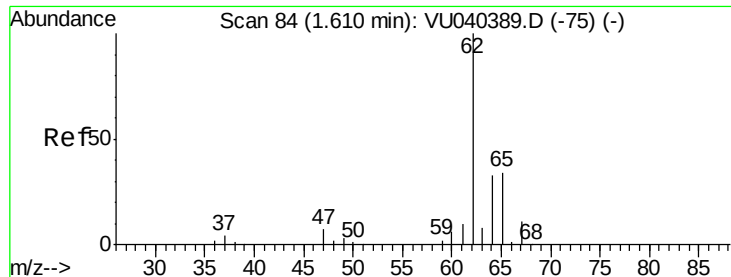
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.073 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040395.D

Acq: 30 Sep 2020 13:43

Instrument :

MSVOA_U

ClientSampleId :

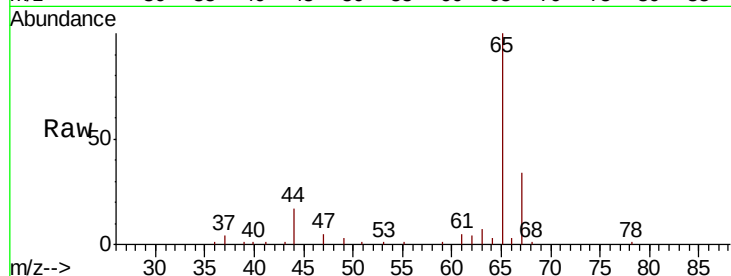
BG0E9

Tot Ion: 62 Resp: 831

Ion Ratio Lower Upper

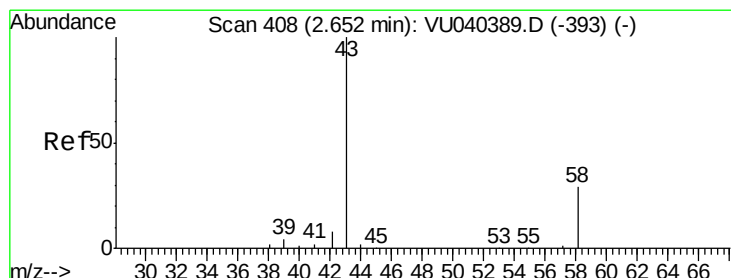
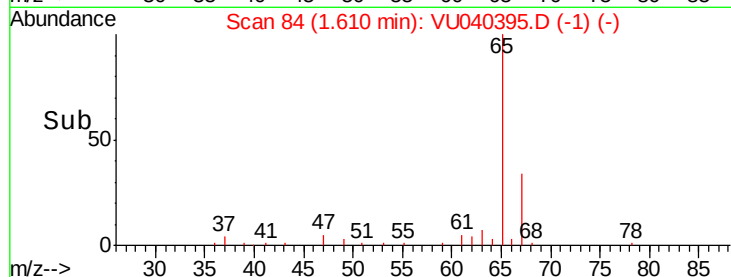
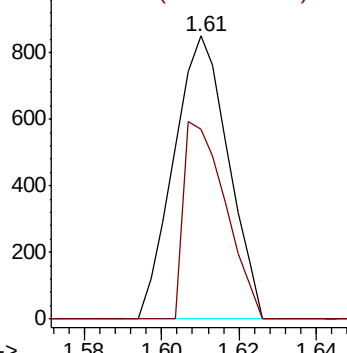
62 100

64 67.1 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#13

Acetone

Concen: 1.061 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU040395.D

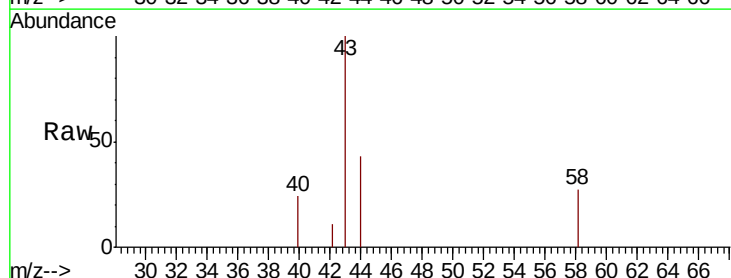
Acq: 30 Sep 2020 13:43

Tgt Ion: 43 Resp: 2565

Ion Ratio Lower Upper

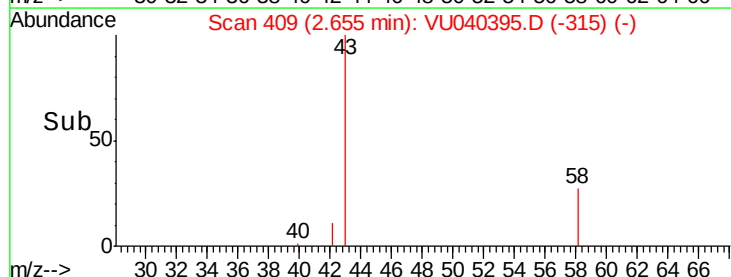
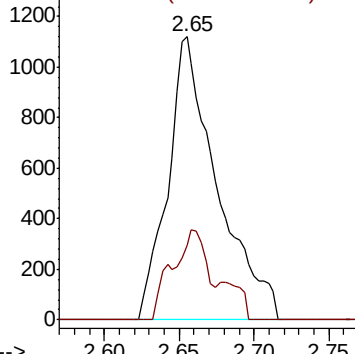
43 100

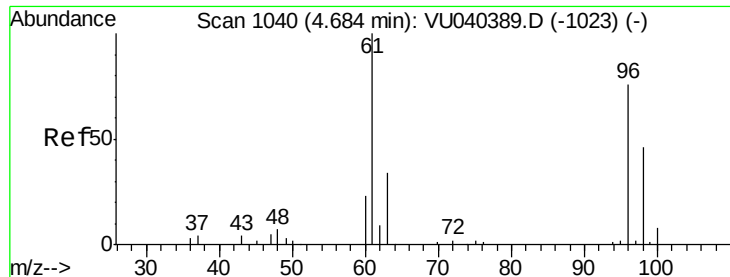
58 22.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.759 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040395.D

Acq: 30 Sep 2020 13:43

Instrument :

MSVOA_U

ClientSampleId :

BG0E9

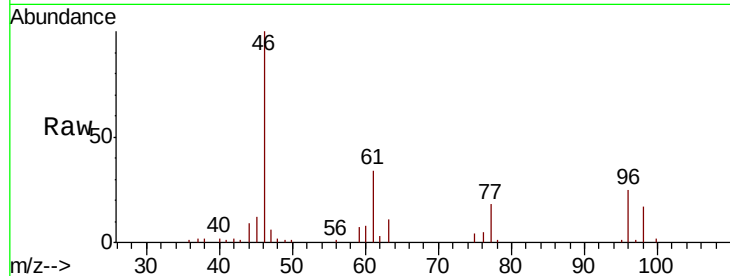
Tot Ion: 96 Resp: 7797

Ion Ratio Lower Upper

96 100

61 136.1 99.3 184.5

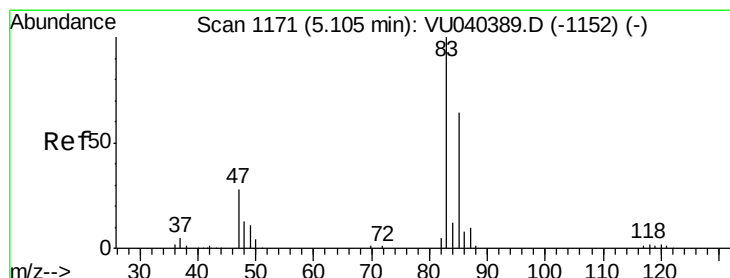
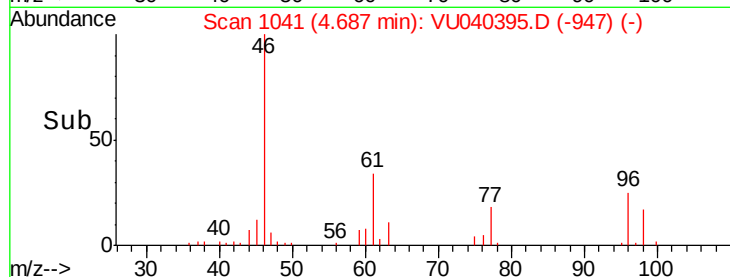
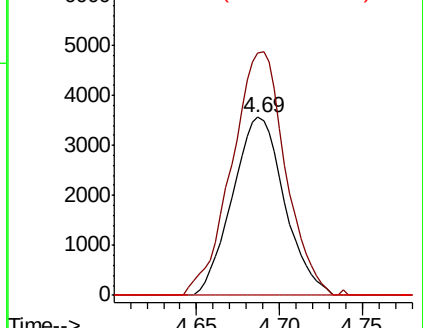
68 0.0 0.0 0.0



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: 0.143 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040395.D

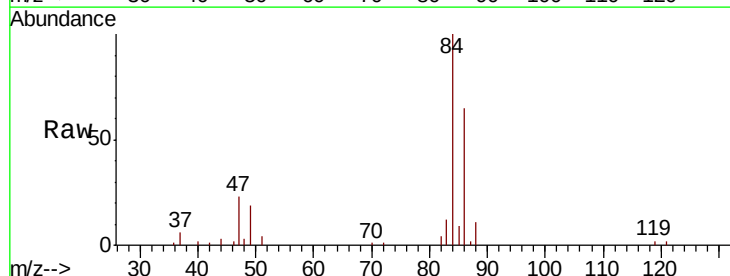
Acq: 30 Sep 2020 13:43

Tgt Ion: 83 Resp: 2785

Ion Ratio Lower Upper

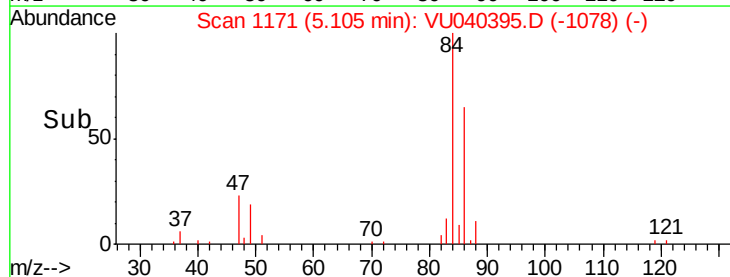
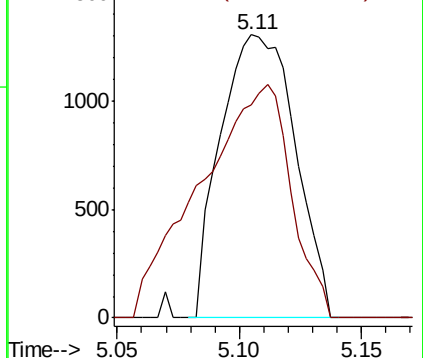
83 100

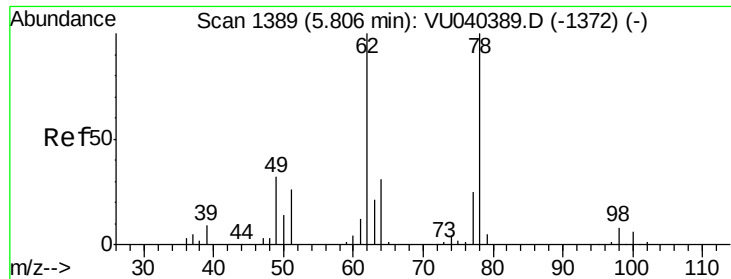
85 75.1 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.050 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.06 min

Lab File: VU040395.D

Acq: 30 Sep 2020 13:43

Instrument :

MSVOA_U

ClientSampleId :

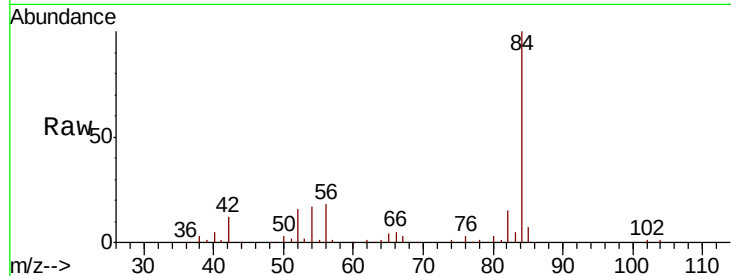
BG0E9

Tot Ion: 62 Resp: 679

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.75

400

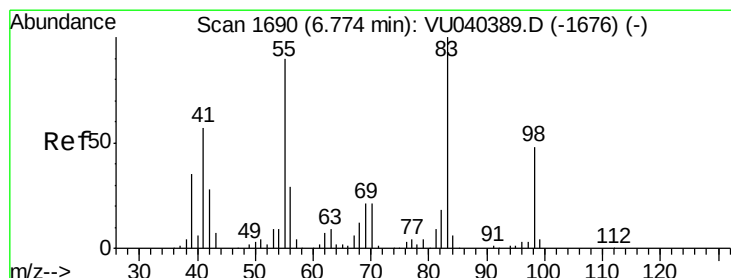
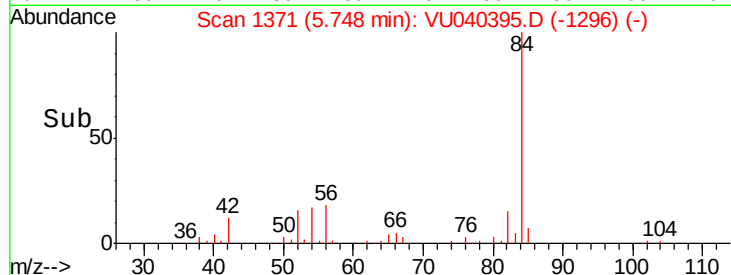
300

200

100

0

Time-->



#35

Methylcyclohexane

Concen: 0.671 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040395.D

Acq: 30 Sep 2020 13:43

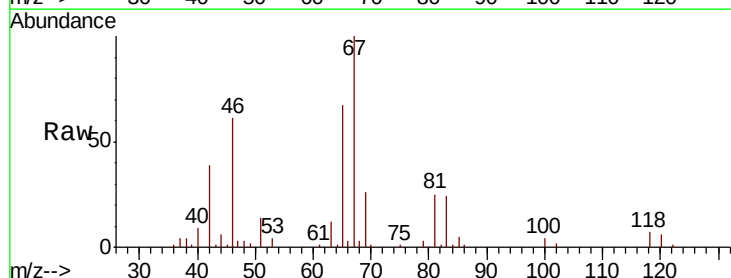
Tgt Ion: 83 Resp: 10668

Ion Ratio Lower Upper

83 100

55 0.0 71.4 107.2#

98 0.0 38.5 57.7#



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

8000

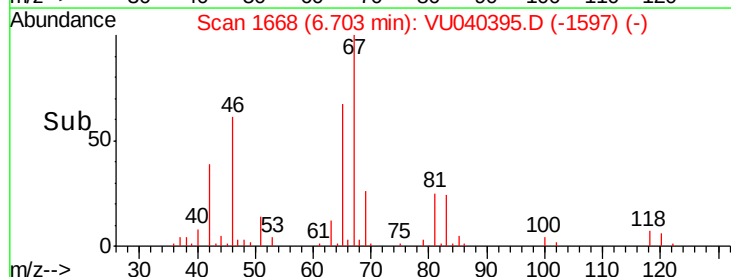
6000

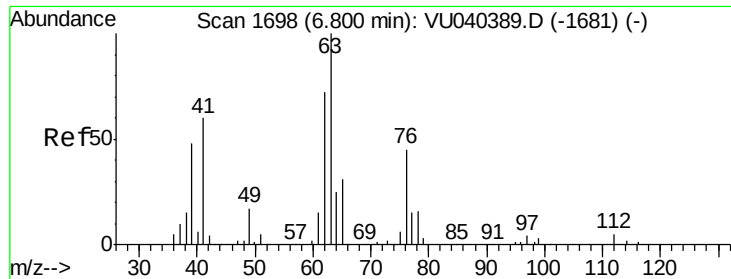
4000

2000

0

Time-->

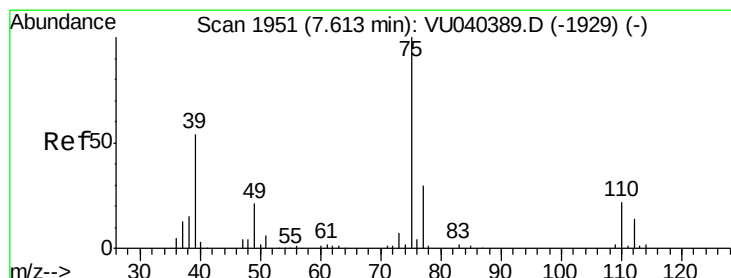
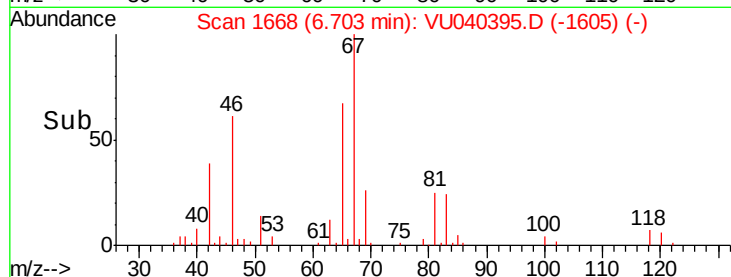
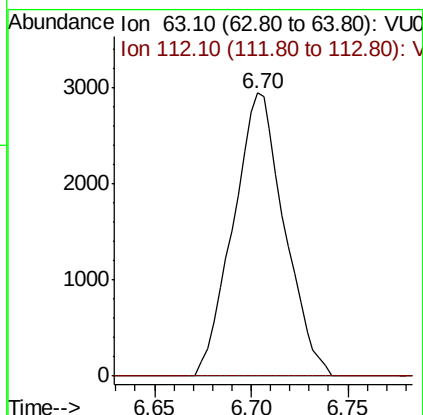
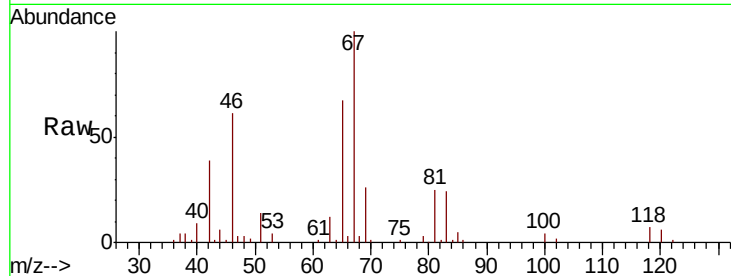




#37
 1,2-Dichloropropane
 Concen: 0.476 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040395.D
 Acq: 30 Sep 2020 13:43

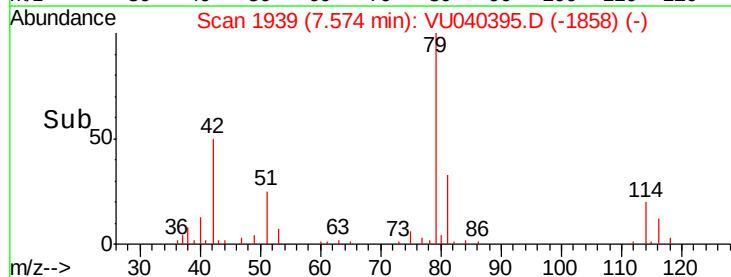
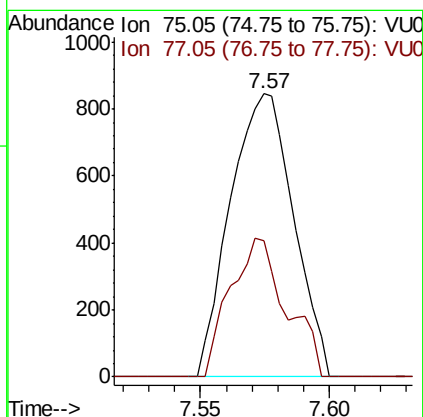
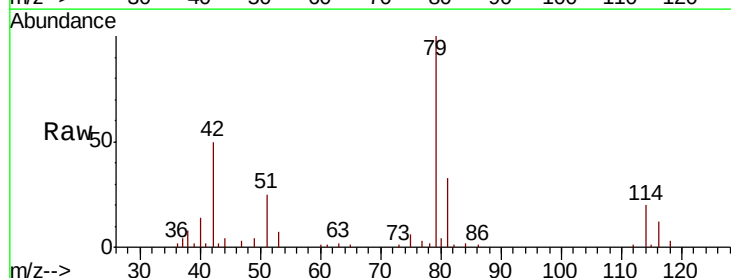
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E9

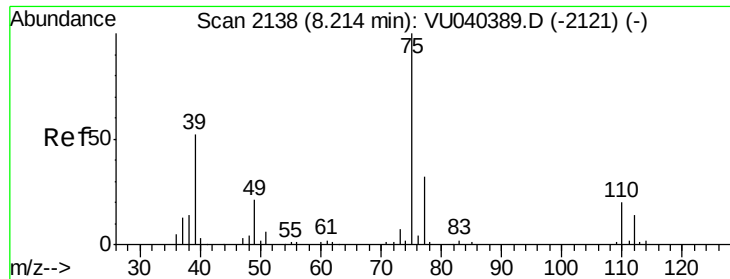
Tot Ion: 63 Resp: 5413
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040395.D
 Acq: 30 Sep 2020 13:43

Tgt Ion: 75 Resp: 1446
 Ion Ratio Lower Upper
 75 100
 77 47.9 23.5 43.7#





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040395.D

Acq: 30 Sep 2020 13:43

Instrument :

MSVOA_U

ClientSampled :

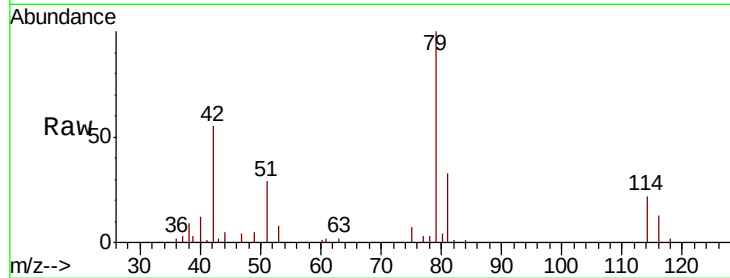
BG0E9

Tot Ion: 75 Resp: 963

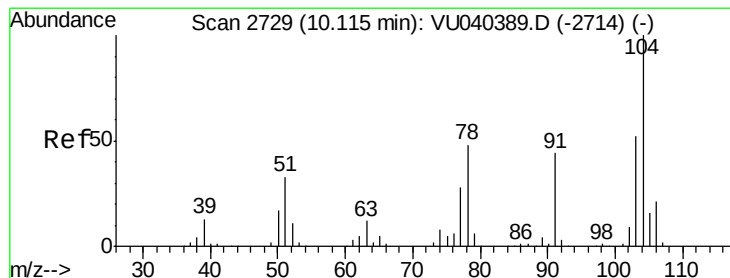
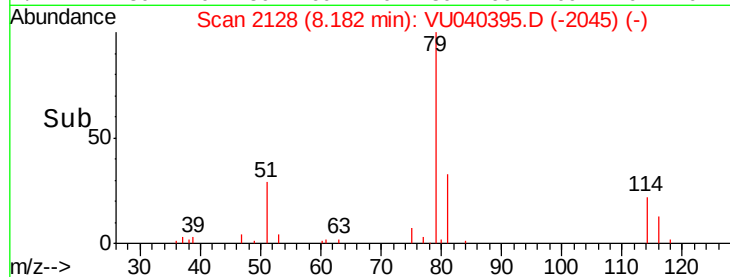
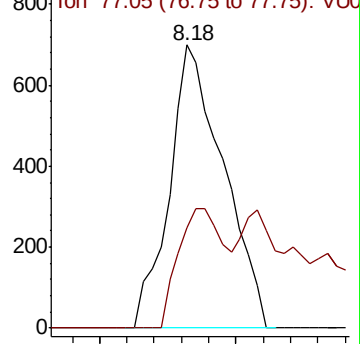
Ion Ratio Lower Upper

75 100

77 35.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040389.D (-2121) (-)



#55

Styrene

Concen: 0.050 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040395.D

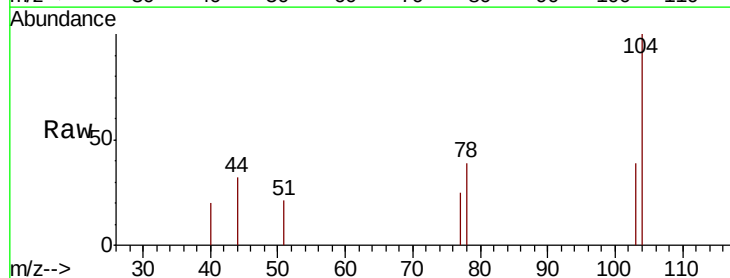
Acq: 30 Sep 2020 13:43

Tgt Ion: 104 Resp: 1379

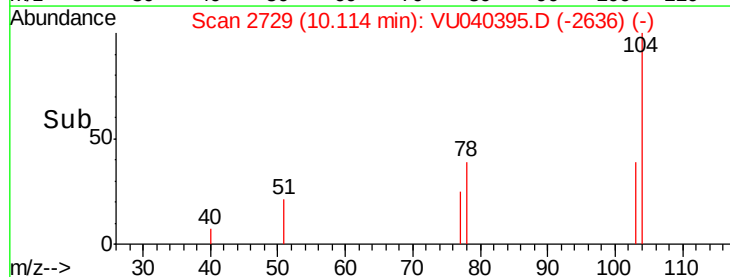
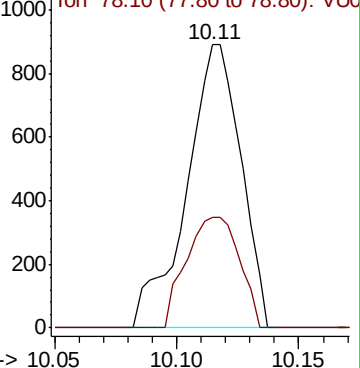
Ion Ratio Lower Upper

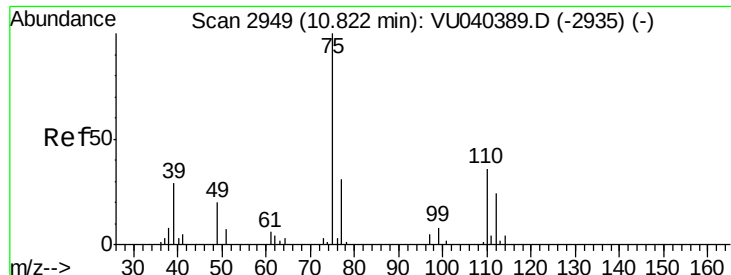
104 100

78 38.9 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): VU040389.D (-2714) (-)





#59

1,2,3-Trichloropropane

Concen: 0.935 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040395.D

Acq: 30 Sep 2020 13:43

Instrument :

MSVOA_U

ClientSampleId :

BG0E9

Tot Ion: 75 Resp: 7708

Ion Ratio Lower Upper

75 100

77 38.2 25.7 38.5

