

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039934.D
 Acq On : 21 Aug 2020 17:38
 Operator : SY/MD
 Sample : L3776-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y10

Quant Time: Aug 22 00:49:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 22 00:45:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	75640	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	34647	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28583	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.92	69	26057	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	39492	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.65	46	106812	50.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.18%
24) Chloroform-d	5.08	84	56831	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	32840	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.74	84	103097	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	37064	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	89569	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	13457	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.64	63	78886	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31080	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	37611	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

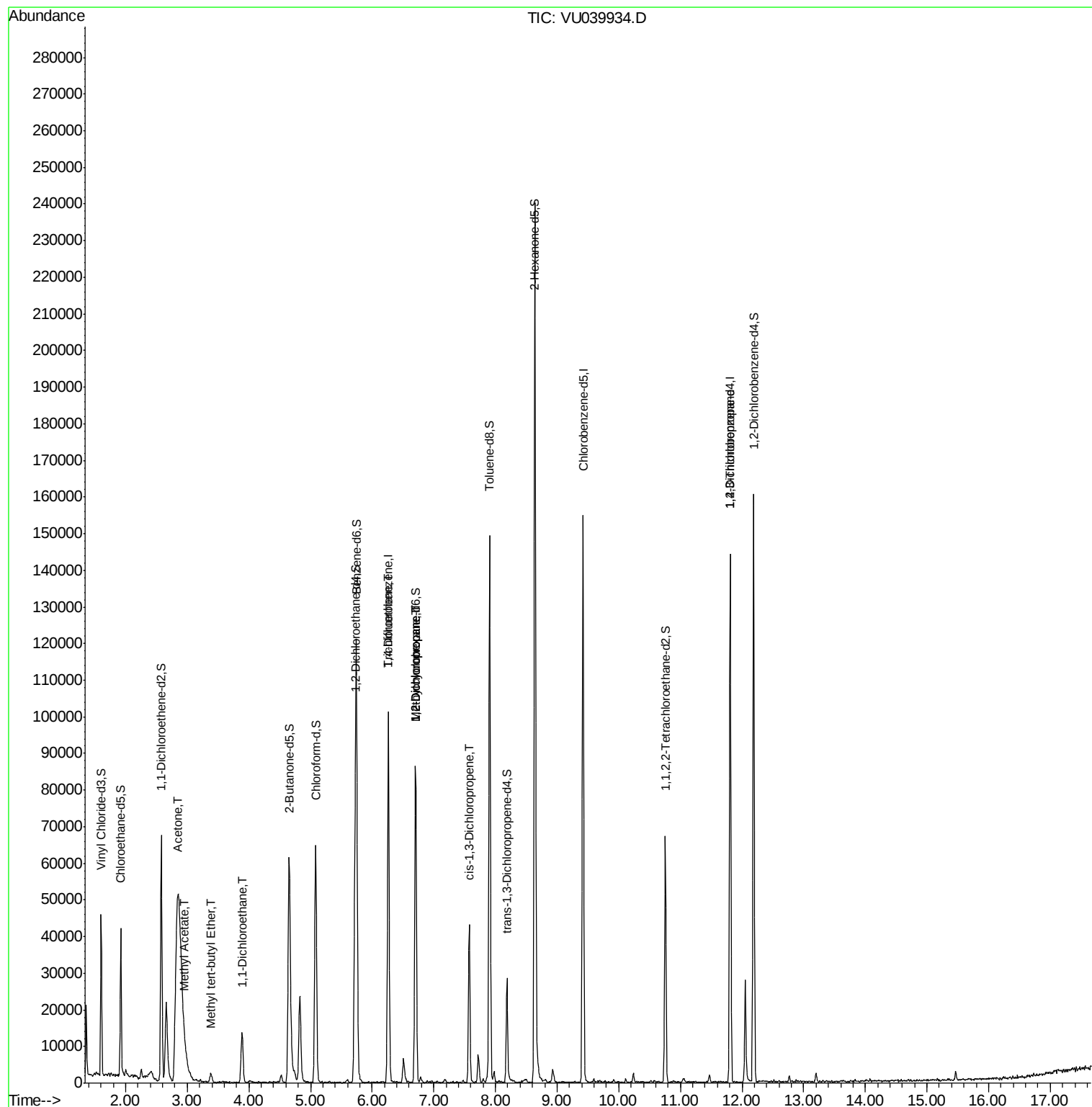
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.84	43	18954	13.137	ug/L	95
15) Methyl Acetate	2.97	43	604	0.163	ug/L #	56
17) Methyl tert-butyl Ether	3.38	73	2553	0.153	ug/L #	91
19) 1,1-Dichloroethane	3.89	63	15612	1.226	ug/L	97
34) Trichloroethene	6.27	95	1422	0.191	ug/L #	7
35) Methylcyclohexane	6.71	83	8451	0.741	ug/L #	17
37) 1,2-Dichloropropane	6.71	63	4251	0.558	ug/L #	85
39) cis-1,3-Dichloropropene	7.58	75	1182	0.111	ug/L #	66
59) 1,2,3-Trichloropropane	11.81	75	5280	0.967	ug/L	96

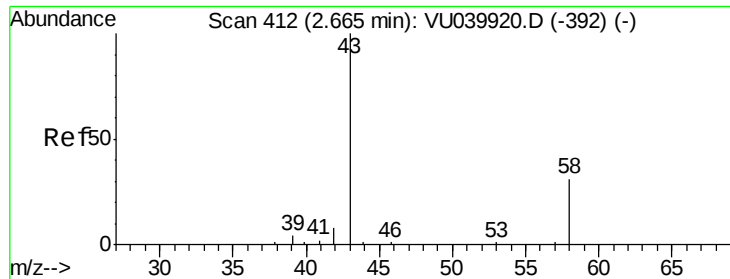
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.137 ug/L

RT: 2.84 min Scan# 466

Delta R.T. 0.17 min

Lab File: VU039934.D

Acq: 21 Aug 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

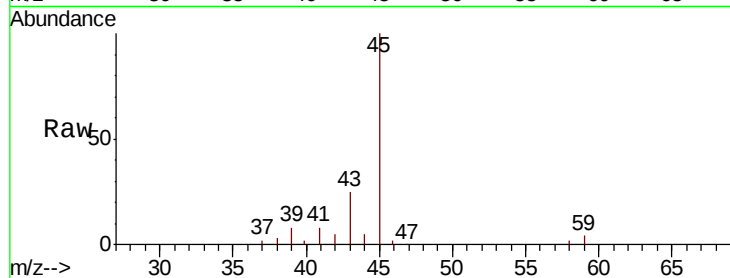
F4Y10

Tot Ion: 43 Resp: 18954

Ion Ratio Lower Upper

43 100

58 7.8 0.0 19.0



Abundance Ion 43.05 (42.75 to 43.75): VU039934.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039934.D (-319) (-)

8000

6000

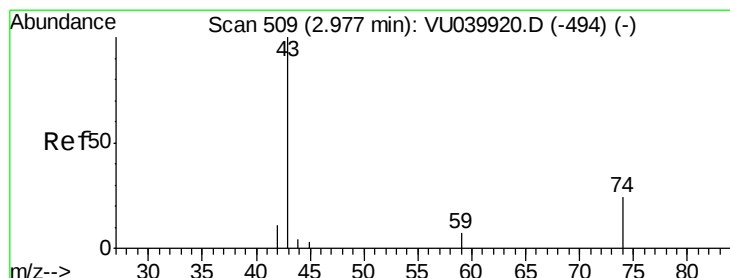
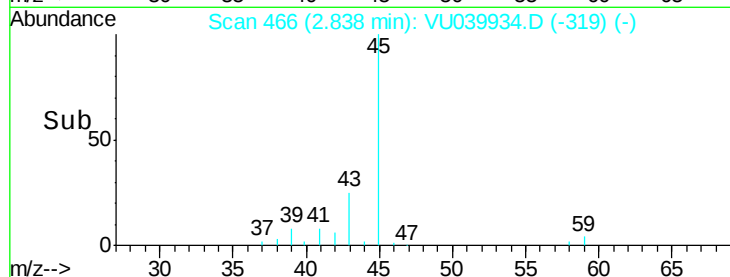
4000

2000

0

Time-->

2.75 2.80 2.85



#15

Methyl Acetate

Concen: 0.163 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU039934.D

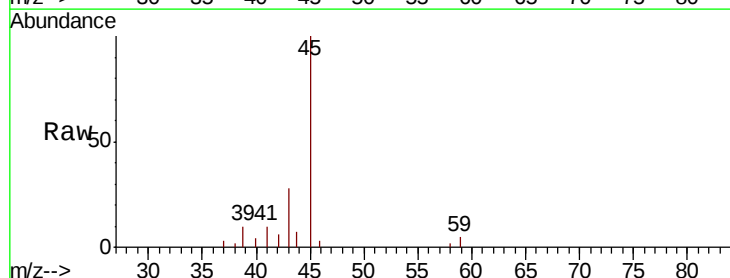
Acq: 21 Aug 2020 17:38

Tgt Ion: 43 Resp: 604

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU039934.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VU039934.D (-416) (-)

2500

2000

1500

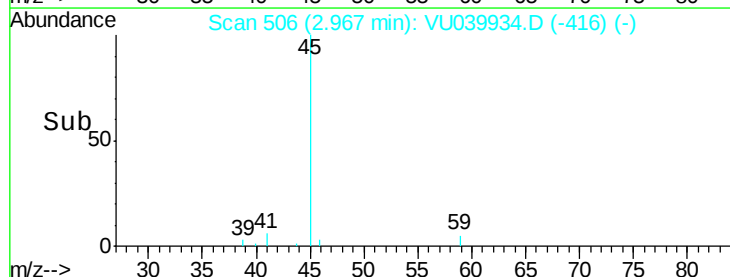
1000

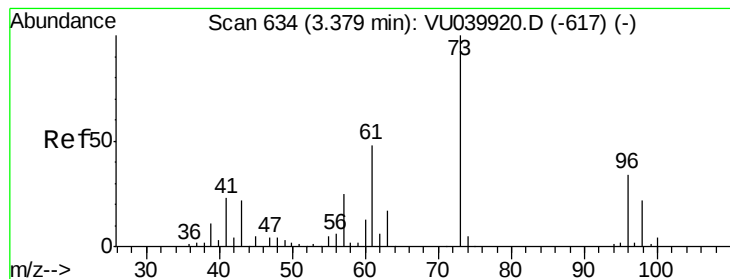
500

0

Time-->

2.96 2.98 3.00



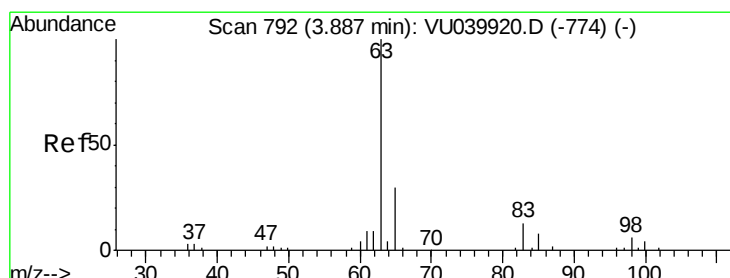
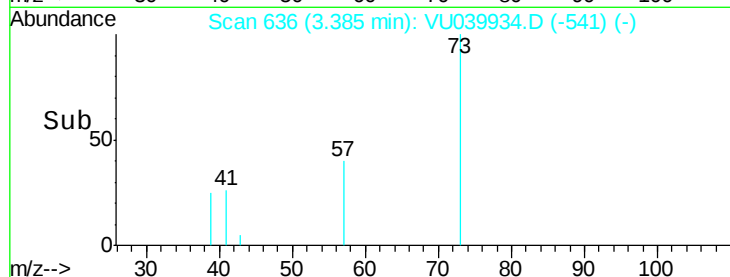
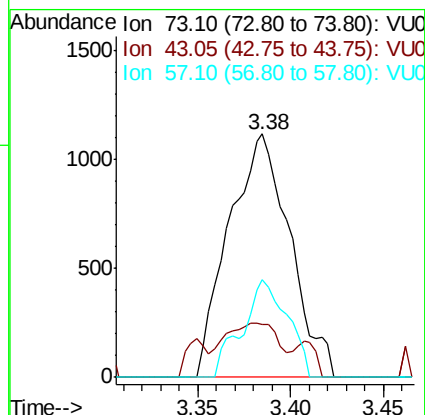
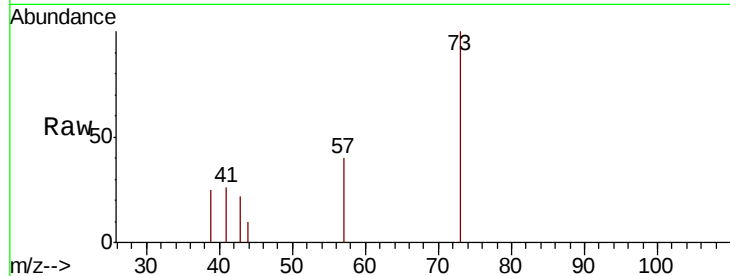


#17

Methvl tert-butvl Ether
 Concen: 0.153 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VU039934.D
 Acq: 21 Aug 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y10

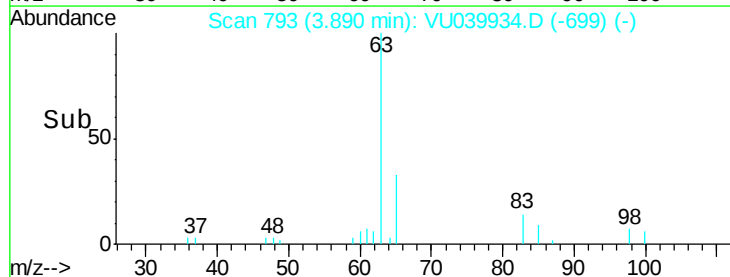
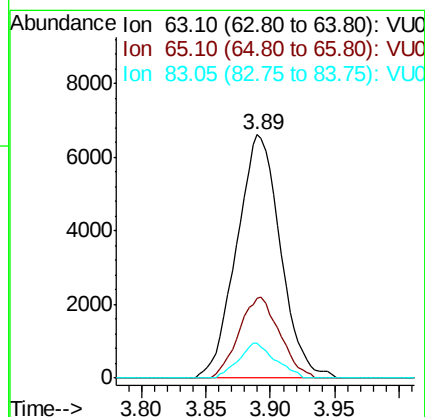
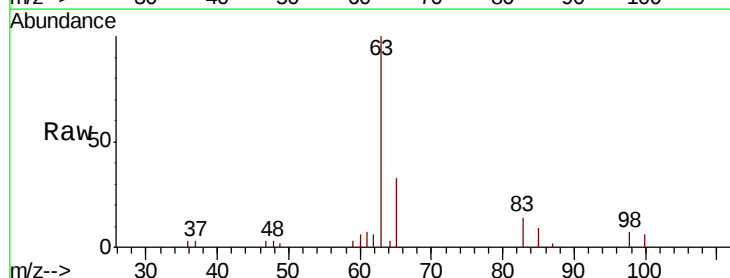
Tot Ion: 73 Resp: 2553
 Ion Ratio Lower Upper
 73 100
 43 19.7 16.6 24.8
 57 29.8 18.2 27.4#

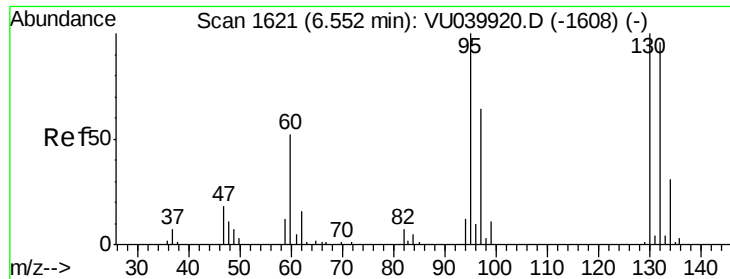


#19

1,1-Dichloroethane
 Concen: 1.226 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039934.D
 Acq: 21 Aug 2020 17:38

Tgt Ion: 63 Resp: 15612
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.6 40.0
 83 14.2 10.3 19.1





#34

Trichloroethene

Concen: 0.191 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU039934.D

Acq: 21 Aug 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

F4Y10

Tot Ion: 95 Resp: 1422

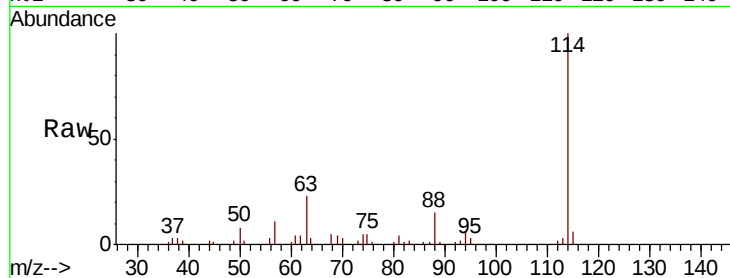
Ion Ratio Lower Upper

95 100

97 0.0 42.0 78.0#

132 0.0 65.0 120.8#

130 0.0 65.5 121.7#

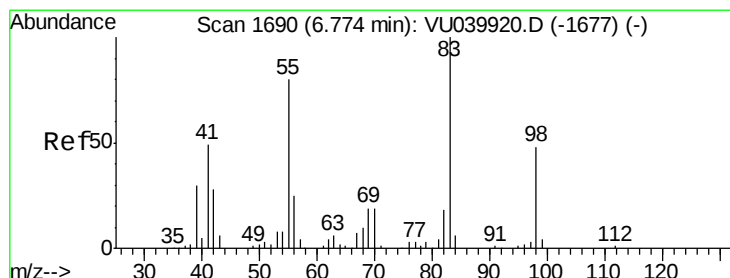
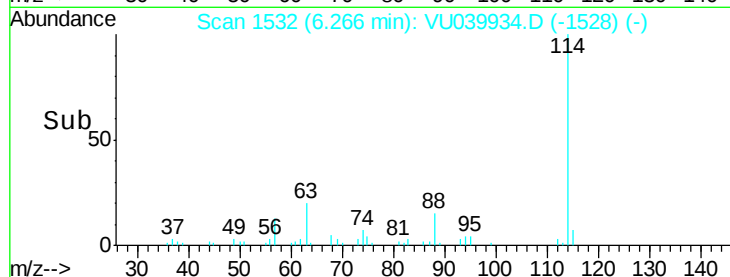
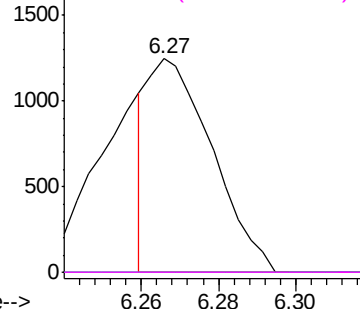


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.741 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039934.D

Acq: 21 Aug 2020 17:38

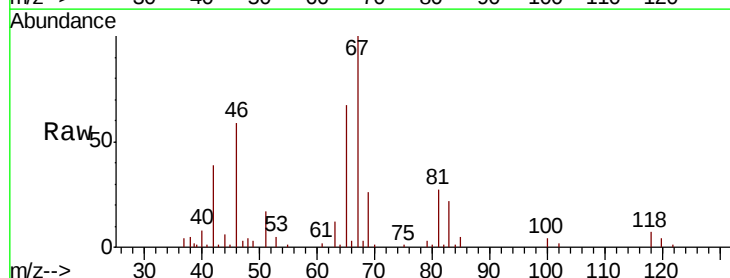
Tgt Ion: 83 Resp: 8451

Ion Ratio Lower Upper

83 100

55 0.2 64.1 96.1#

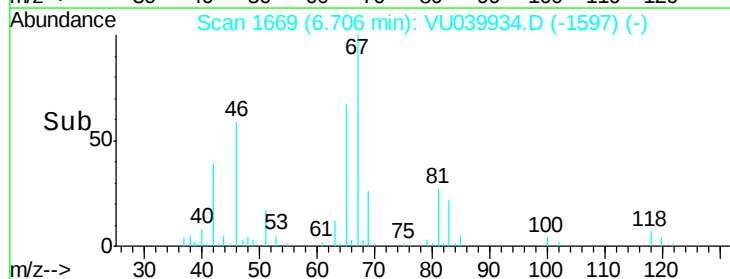
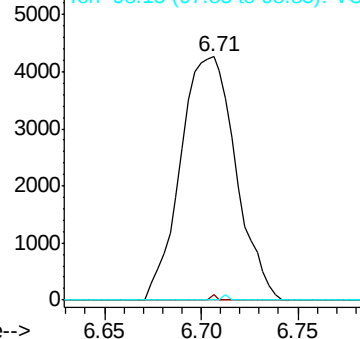
98 0.2 39.4 59.0#

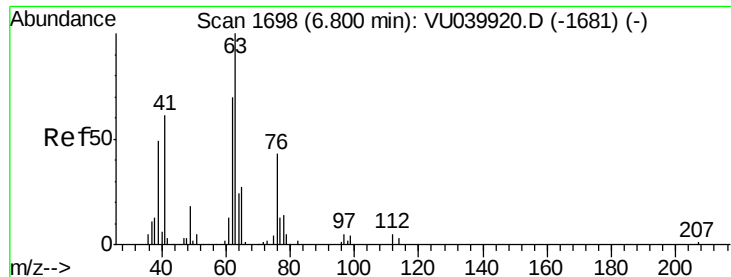


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.558 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.09 min

Lab File: VU039934.D

Acq: 21 Aug 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

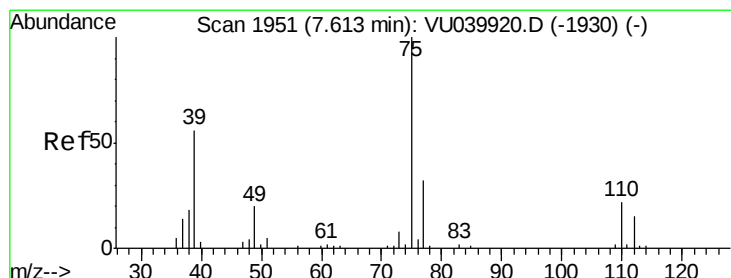
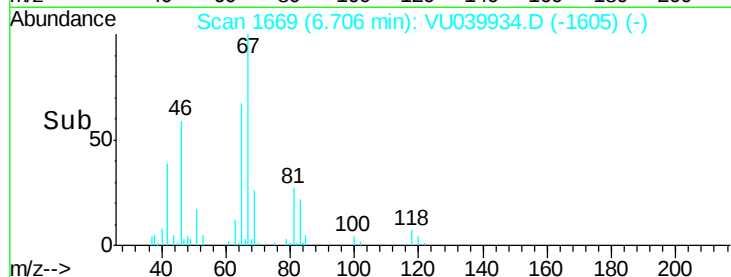
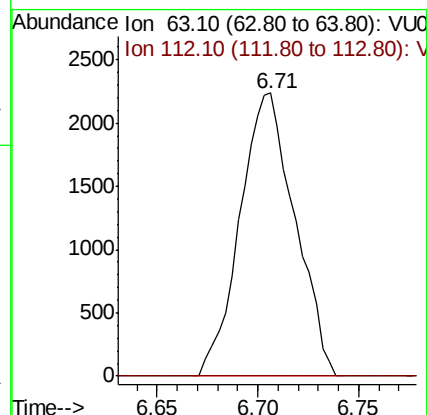
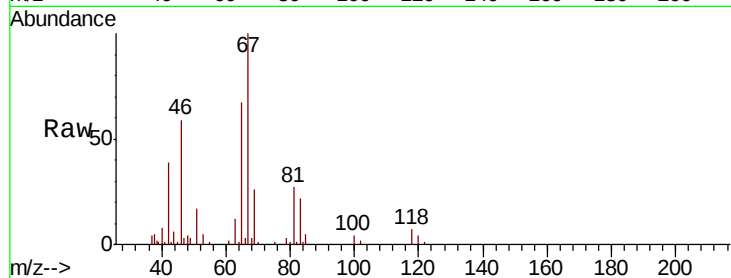
F4Y10

Tot Ion: 63 Resp: 4251

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039934.D

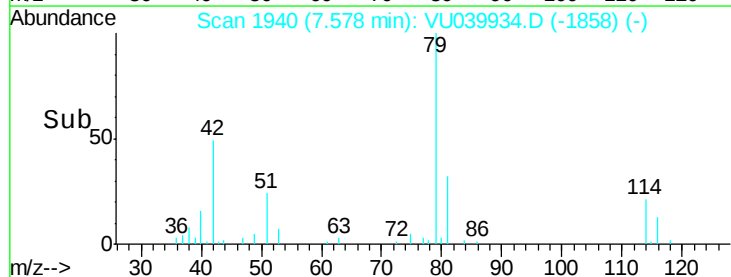
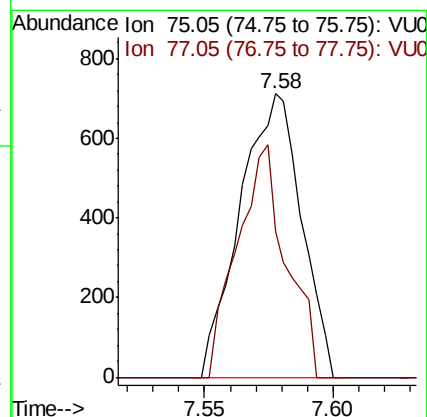
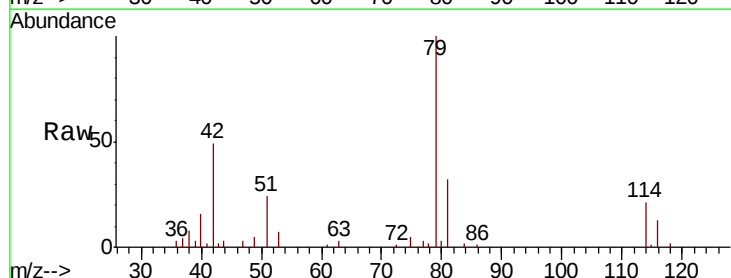
Acq: 21 Aug 2020 17:38

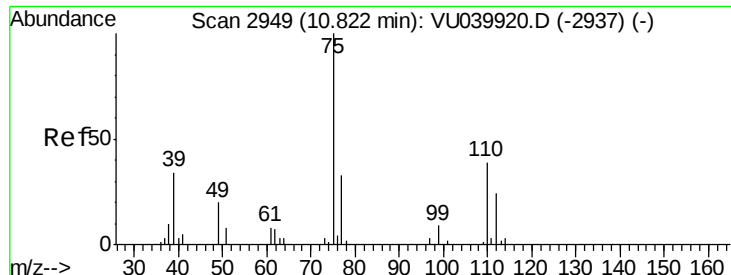
Tgt Ion: 75 Resp: 1182

Ion Ratio Lower Upper

75 100

77 51.3 22.6 42.0#





#59

1,2,3-Trichloropropane

Concen: 0.967 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039934.D

Acq: 21 Aug 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

F4Y10

Tot Ion: 75 Resp: 5280

Ion Ratio Lower Upper

75 100

77 36.5 27.4 41.2

