

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082120\
 Data File : VU039932.D
 Acq On : 21 Aug 2020 16:50
 Operator : SY/MD
 Sample : L3776-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y07

Quant Time: Aug 22 00:48:56 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	73361	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	77925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33778	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29657	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.92	69	27650	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	36587	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.65	46	108401	52.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.86%
24) Chloroform-d	5.08	84	60170	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	35672	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.74	84	114974	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.70	67	37445	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.91	98	91030	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	14173	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.64	63	77958	47.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31095	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	38086	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

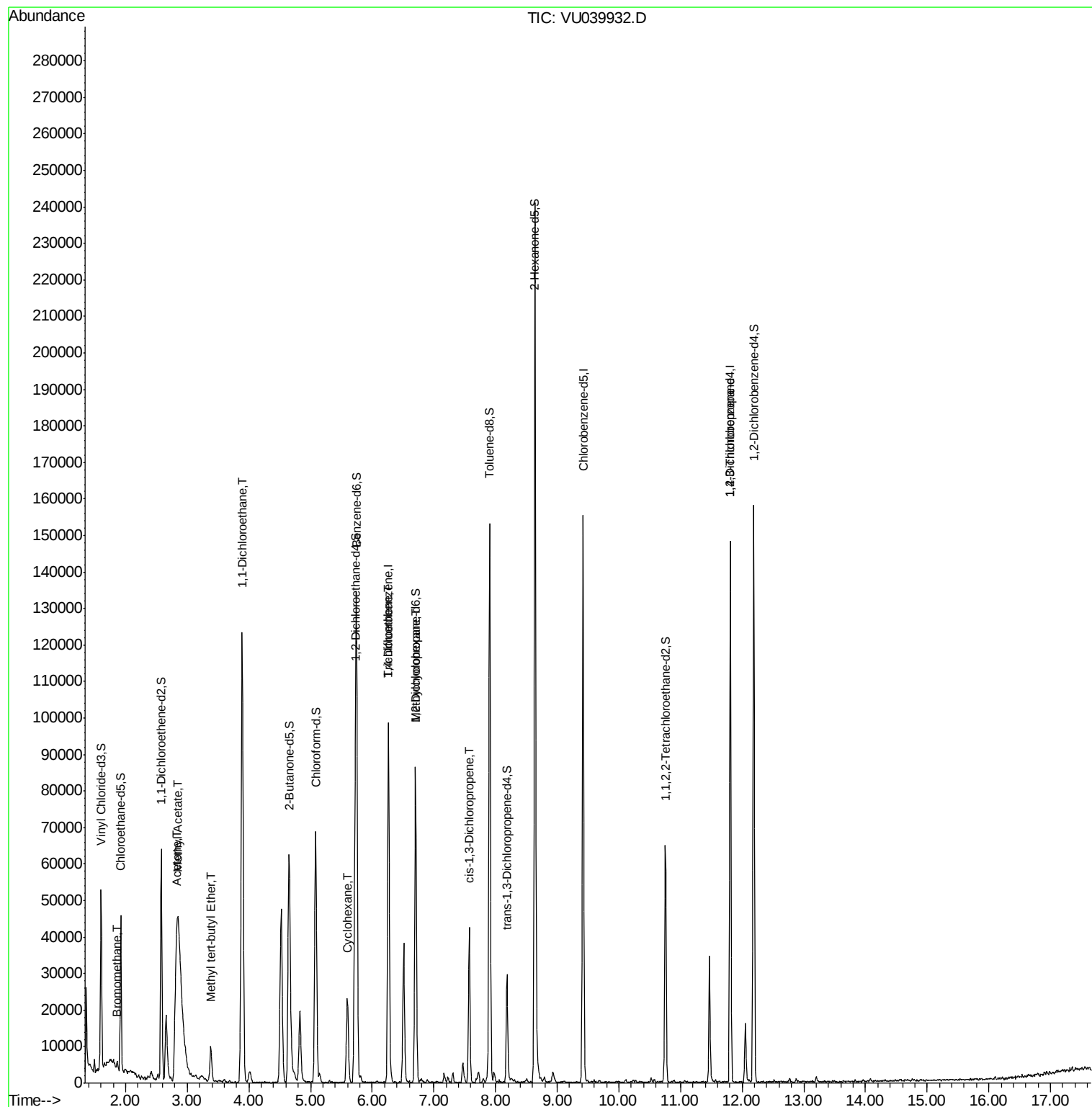
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.87	94	701	0.150	ug/L	84
13) Acetone	2.82	43	9072	6.483	ug/L	85
15) Methyl Acetate	2.84	43	1649	0.459	ug/L #	56
17) Methyl tert-butyl Ether	3.39	73	8780	0.543	ug/L #	90
19) 1,1-Dichloroethane	3.89	63	136525	11.051	ug/L	99
30) Cyclohexane	5.60	56	990	0.087	ug/L #	16
34) Trichloroethene	6.27	95	1270	0.173	ug/L #	7
35) Methylcyclohexane	6.71	83	8988	0.798	ug/L #	17
39) cis-1,3-Dichloropropene	7.57	75	1223	0.116	ug/L #	47
59) 1,2,3-Trichloropropane	11.81	75	5017	0.930	ug/L	96

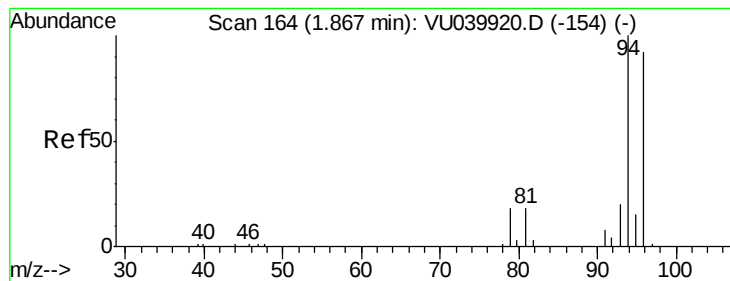
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.150 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

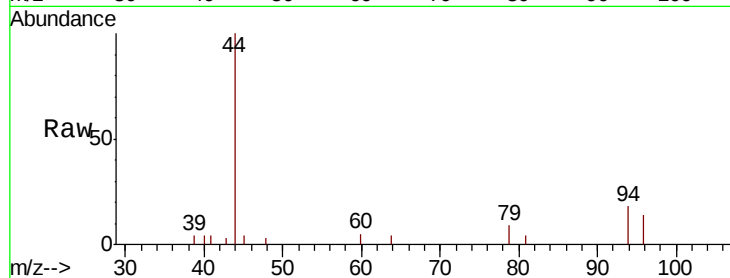
F4Y07

Tot Ion: 94 Resp: 701

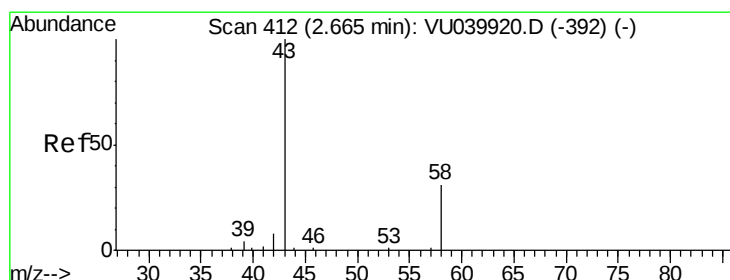
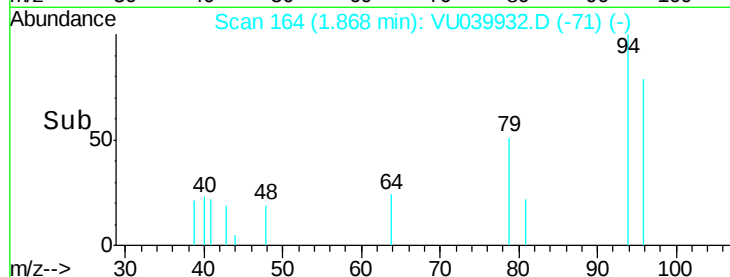
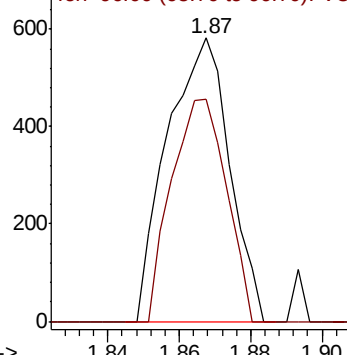
Ion Ratio Lower Upper

94 100

96 78.5 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039932.D (-154) (-)



#13

Acetone

Concen: 6.483 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.15 min

Lab File: VU039932.D

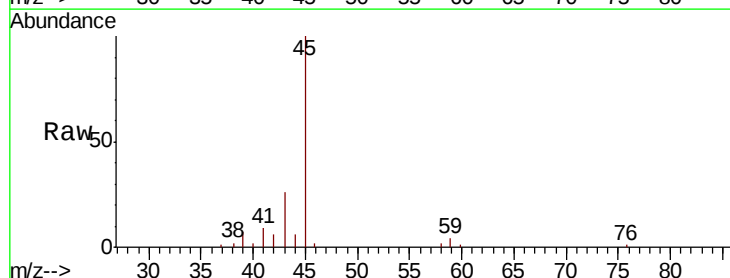
Acq: 21 Aug 2020 16:50

Tgt Ion: 43 Resp: 9072

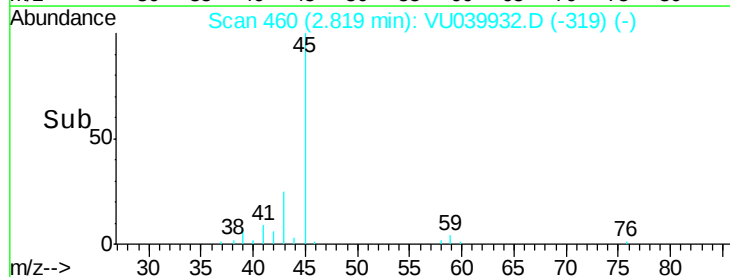
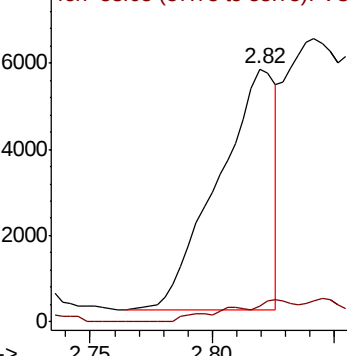
Ion Ratio Lower Upper

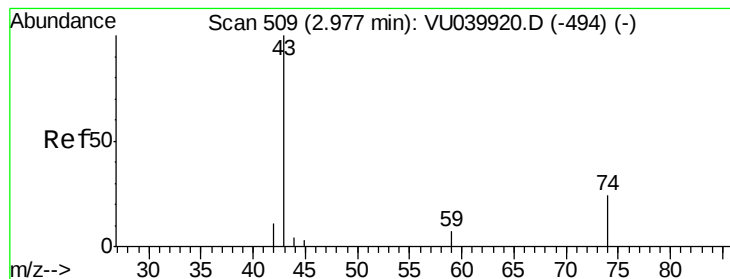
43 100

58 3.9 0.0 19.0



Abundance Ion 43.05 (42.75 to 43.75): VU039932.D (-392) (-)





#15

Methvl Acetate

Concen: 0.459 ug/L

RT: 2.84 min Scan# 467

Delta R.T. -0.13 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

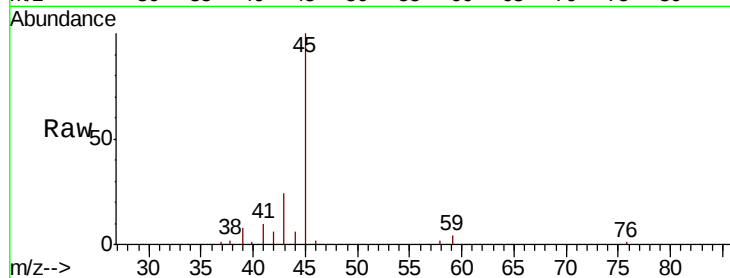
F4Y07

Tot Ion: 43 Resp: 1649

Ion Ratio Lower Upper

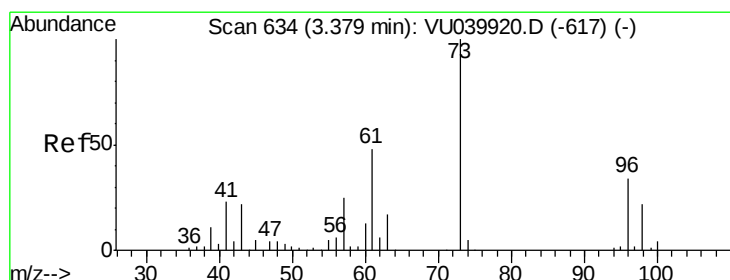
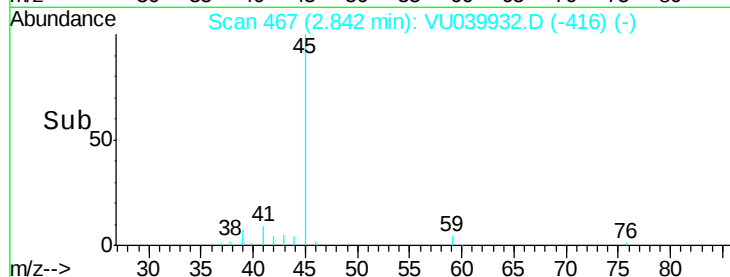
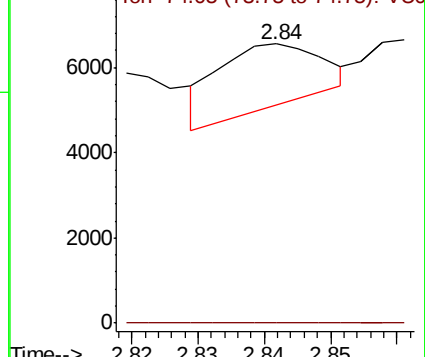
43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU039932.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VU039932.D (-416) (-)



#17

Methyl tert-butyl Ether

Concen: 0.543 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.01 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

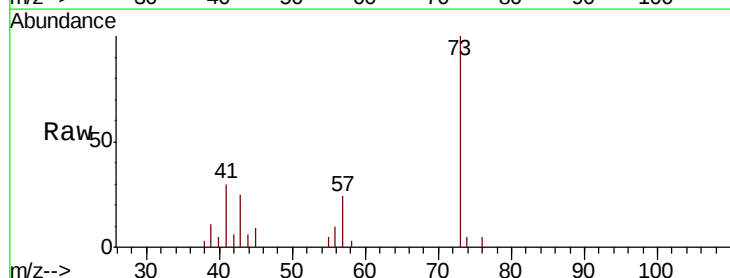
Tgt Ion: 73 Resp: 8780

Ion Ratio Lower Upper

73 100

43 29.0 16.6 24.8#

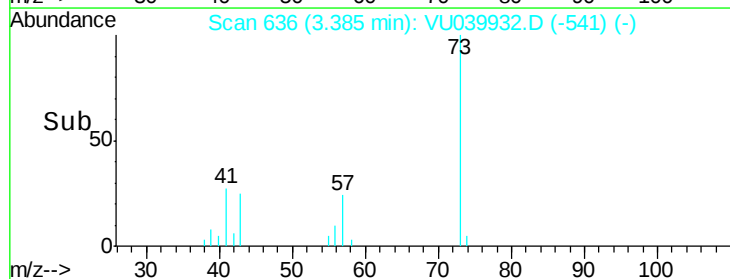
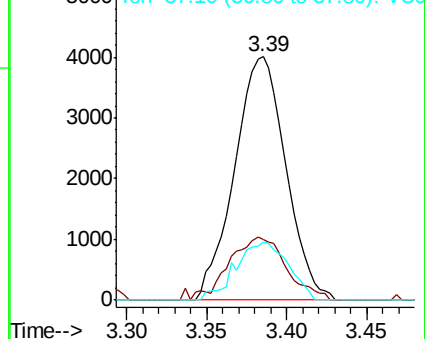
57 24.4 18.2 27.4

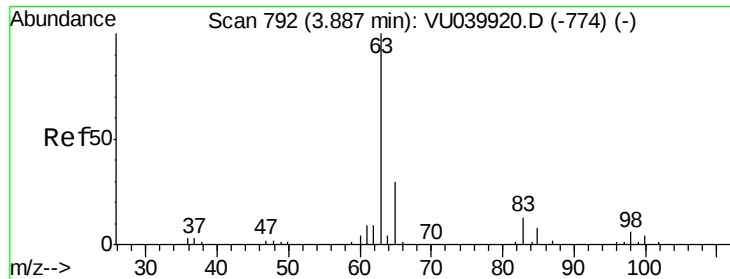


Abundance Ion 73.10 (72.80 to 73.80): VU039932.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU039932.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU039932.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 11.051 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

F4Y07

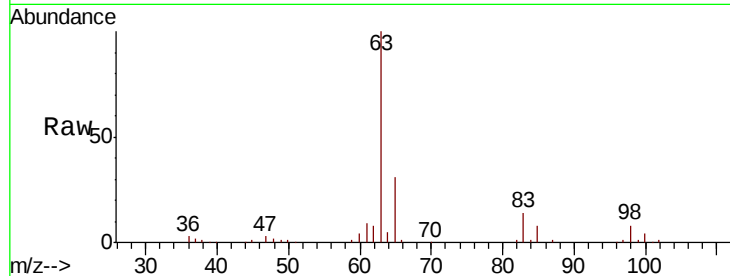
Tot Ion: 63 Resp: 136525

Ion Ratio Lower Upper

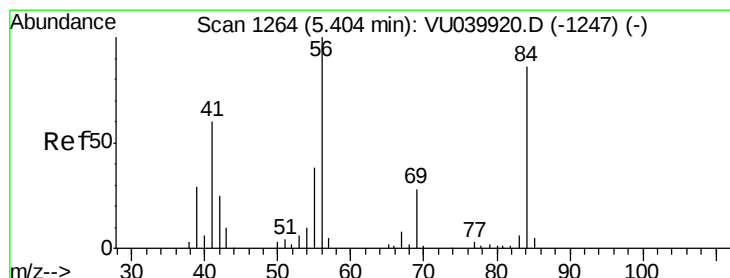
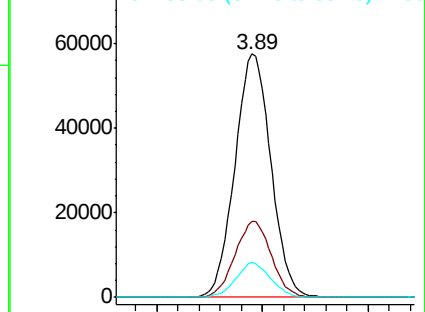
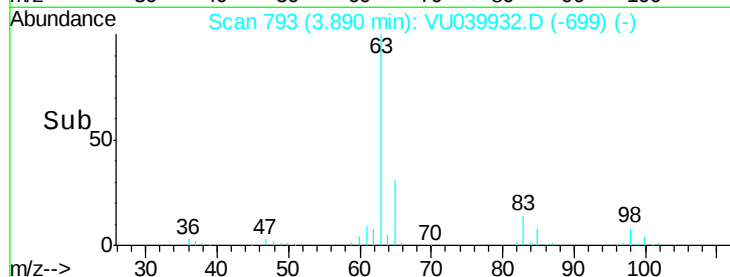
63 100

65 31.2 21.6 40.0

83 14.2 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039932.D (-699) (-)



#30

Cyclohexane

Concen: 0.087 ug/L

RT: 5.60 min Scan# 1325

Delta R.T. 0.20 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

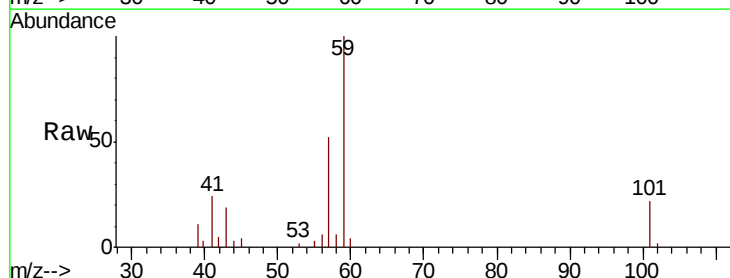
Tgt Ion: 56 Resp: 990

Ion Ratio Lower Upper

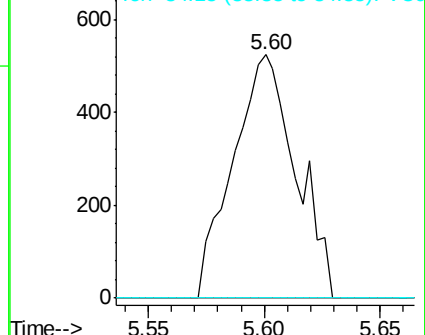
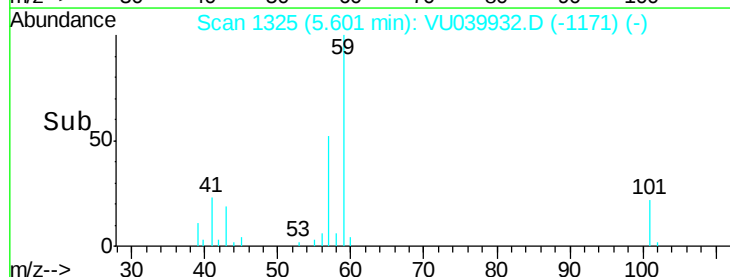
56 100

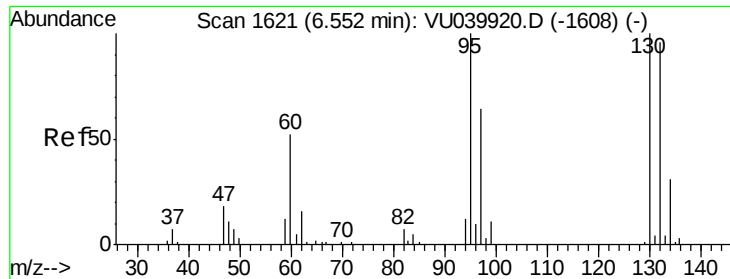
69 0.0 23.1 34.7#

84 0.0 69.0 103.6#



Abundance Ion 56.10 (55.80 to 56.80): VU039932.D (-1171) (-)





#34

Trichloroethene

Concen: 0.173 ug/L

RT: 6.27 min Scan# 1533

Delta R.T. -0.28 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

F4Y07

Tot Ion: 95 Resp: 1270

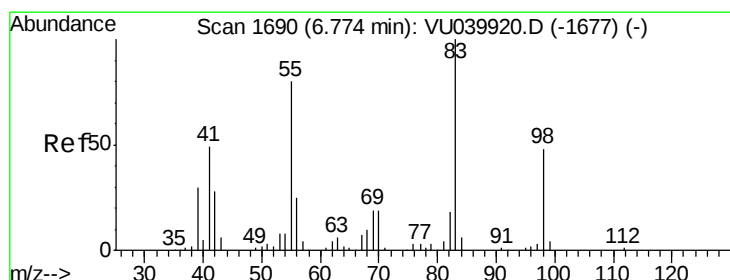
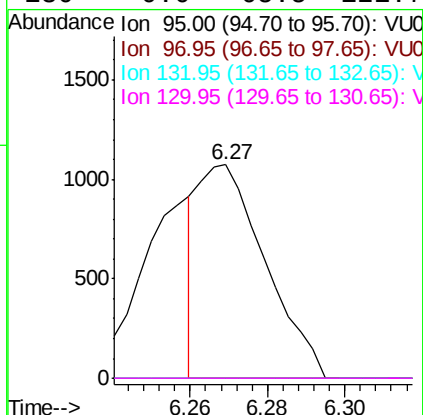
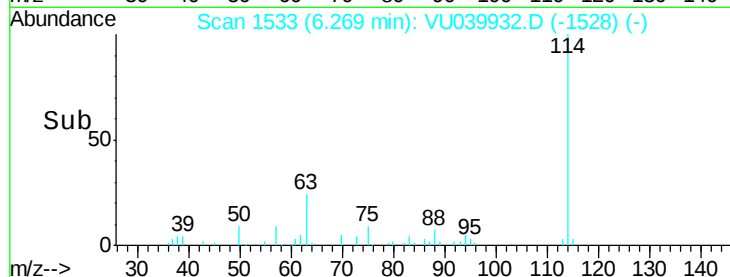
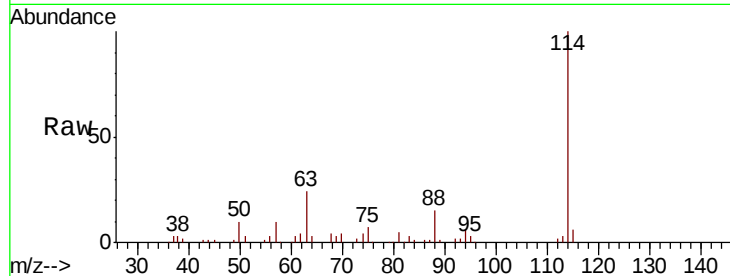
Ion Ratio Lower Upper

95 100

97 0.0 42.0 78.0#

132 0.0 65.0 120.8#

130 0.0 65.5 121.7#



#35

Methylcyclohexane

Concen: 0.798 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039932.D

Acq: 21 Aug 2020 16:50

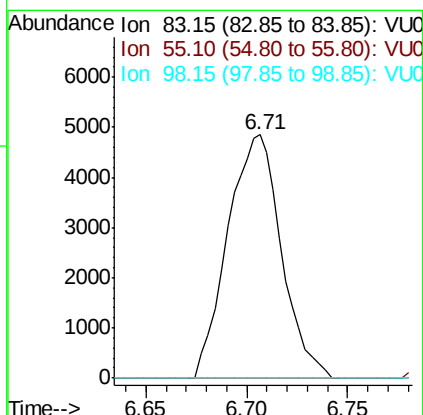
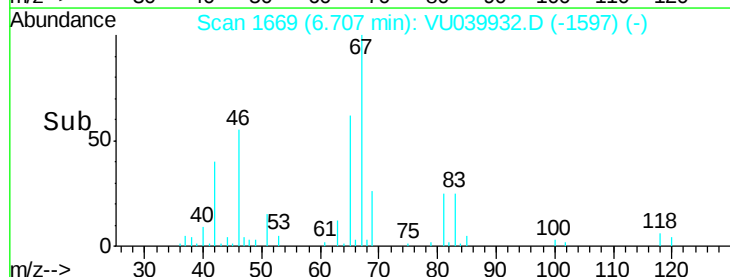
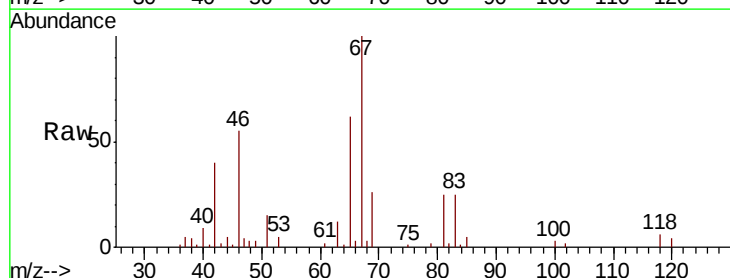
Tgt Ion: 83 Resp: 8988

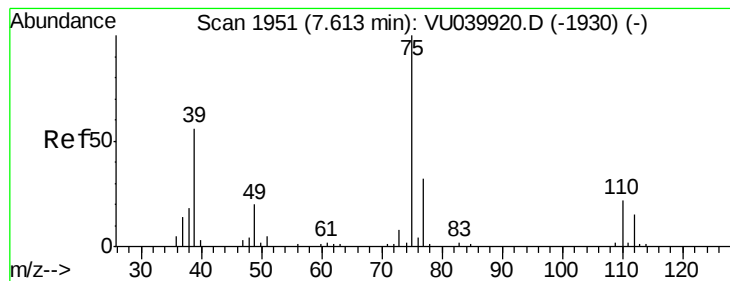
Ion Ratio Lower Upper

83 100

55 0.5 64.1 96.1#

98 0.0 39.4 59.0#



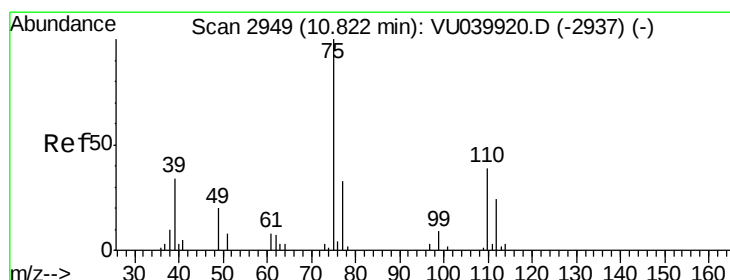
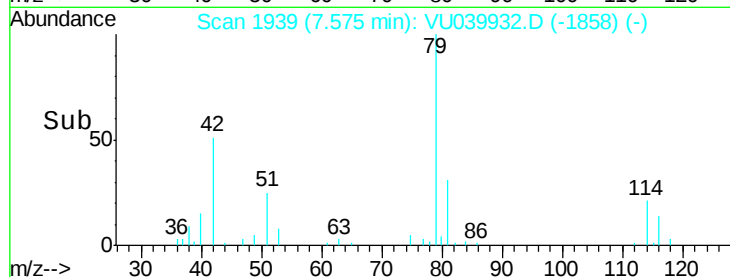
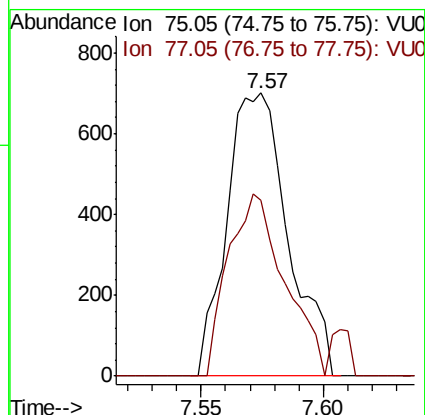
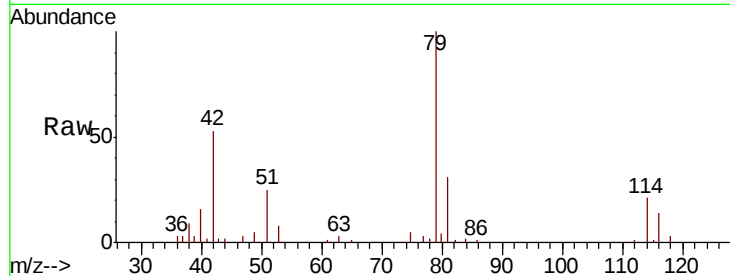


#39

cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU039932.D
Acq: 21 Aug 2020 16:50

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F4Y07

Tot Ion: 75 Resp: 1223
Ion Ratio Lower Upper
75 100
77 61.9 22.6 42.0#



#59

1,2,3-Trichloropropane
Concen: 0.930 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039932.D
Acq: 21 Aug 2020 16:50

Tgt Ion: 75 Resp: 5017
Ion Ratio Lower Upper
75 100
77 36.6 27.4 41.2

