

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
 Data File : VU039868.D
 Acq On : 14 Aug 2020 18:56
 Operator : SY/MD
 Sample : L3517-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 17 05:25:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	69892	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16552	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	18824	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.58	63	25768	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	75820	45.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.36%
24) Chloroform-d	5.08	84	43441	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	25603	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.74	84	81042	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	27846	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.91	98	65270	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	10912	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.64	63	59231	50.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24751	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	30735	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

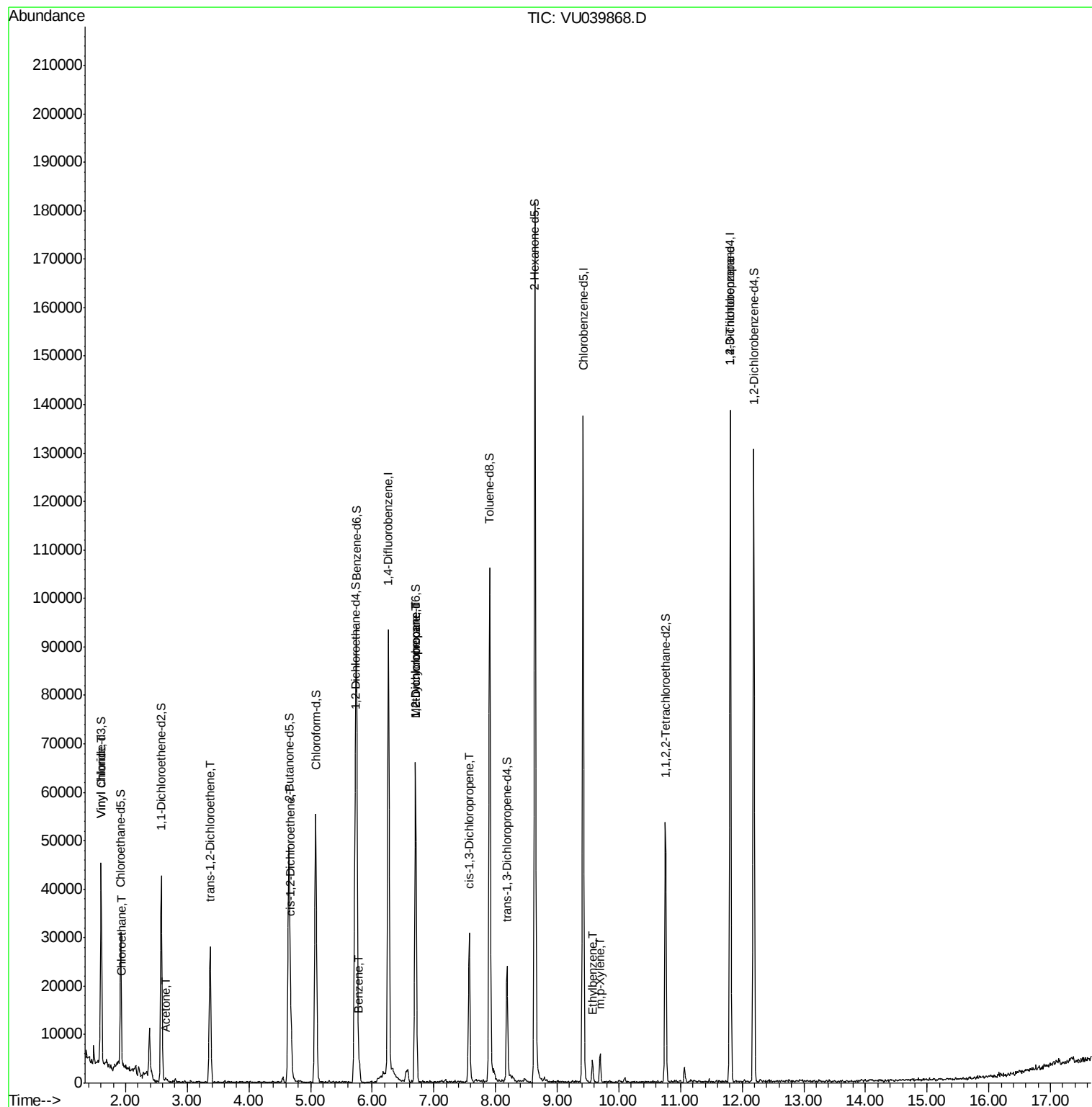
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	11602	2.042	ug/L	96
8) Chloroethane	1.94	64	714	0.171	ug/L	95
13) Acetone	2.65	43	884	0.903	ug/L	52
18) trans-1,2-Dichloroethene	3.37	96	10441	2.249	ug/L	85
22) cis-1,2-Dichloroethene	4.68	96	2619	0.519	ug/L	82
33) Benzene	5.79	78	3858	0.203	ug/L	100
35) Methylcyclohexane	6.70	83	6194	0.785	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3353	0.663	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	654	0.095	ug/L #	68
52) Ethylbenzene	9.57	91	3429	0.153	ug/L	95
53) m,p-Xylene	9.69	106	1003	0.118	ug/L	92
59) 1,2,3-Trichloropropane	11.81	75	4804	1.317	ug/L #	85

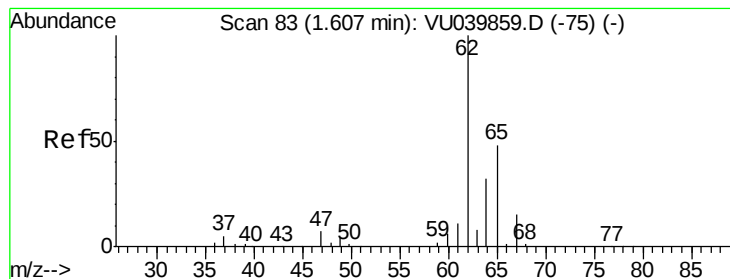
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.042 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039868.D

Acq: 14 Aug 2020 18:56

Instrument :

MSVOA_U

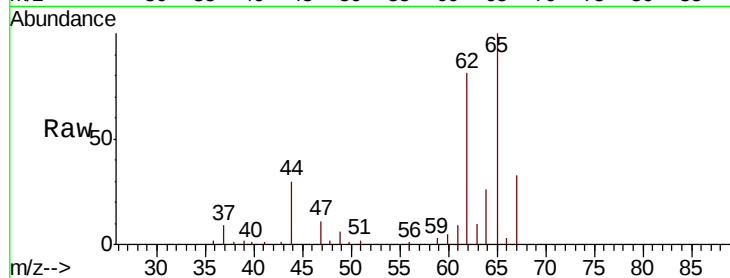
ClientSampled :

Tot Ion: 62 Resp: 11602

Ion Ratio Lower Upper

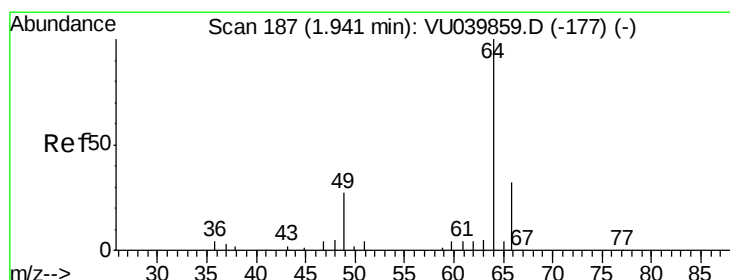
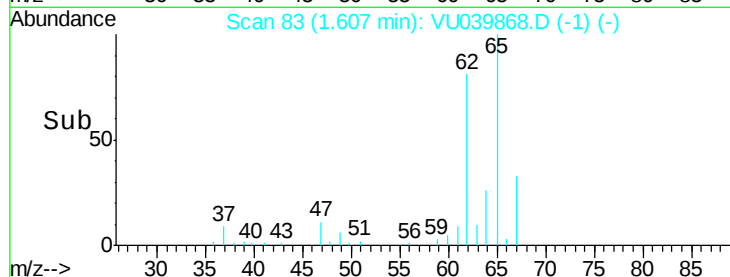
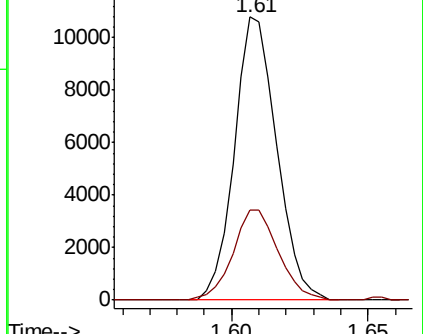
62 100

64 31.9 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.171 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039868.D

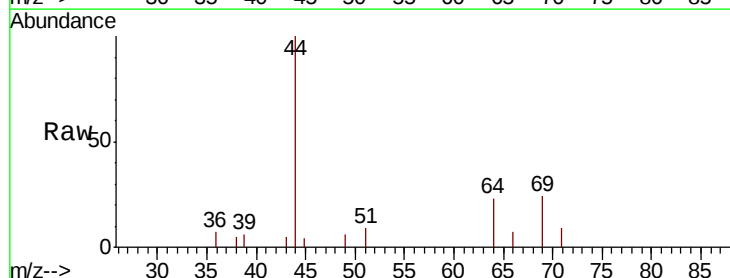
Acq: 14 Aug 2020 18:56

Tgt Ion: 64 Resp: 714

Ion Ratio Lower Upper

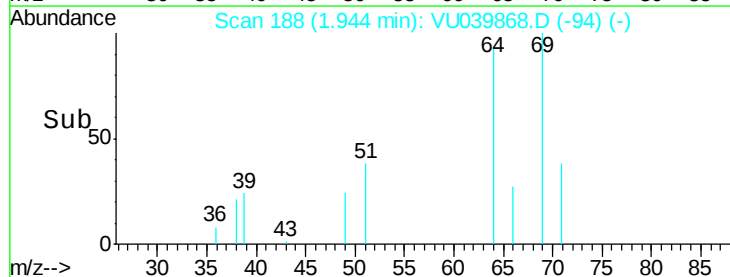
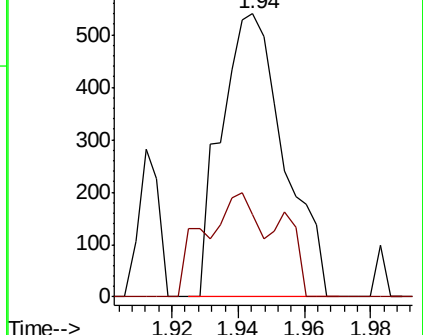
64 100

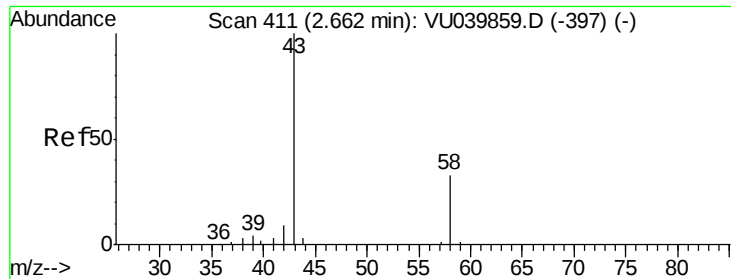
66 29.1 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 0.903 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU039868.D

Acq: 14 Aug 2020 18:56

Instrument :

MSVOA_U

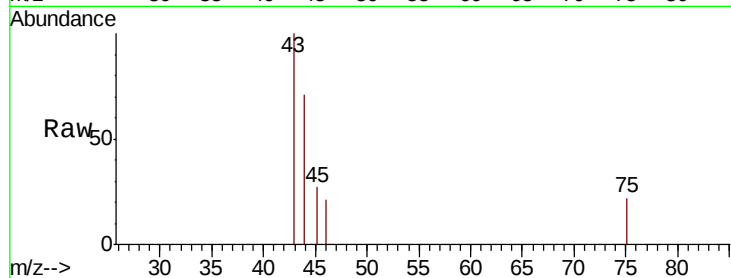
ClientSampled :

Tot Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

58 4.6 0.0 61.8

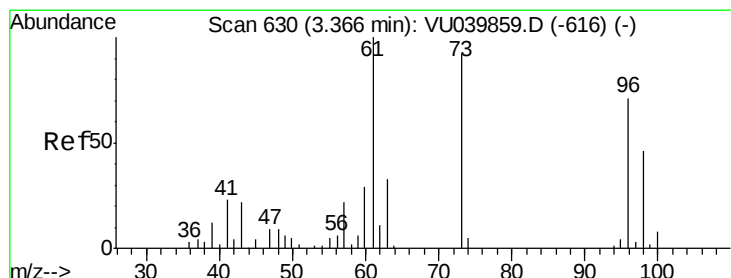
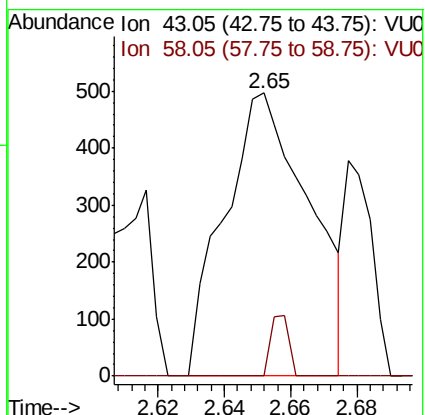
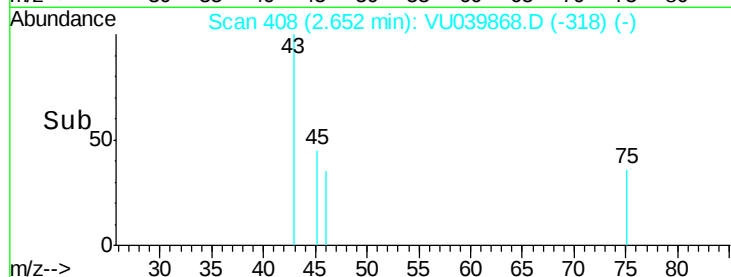


Abundance Ion 43.05 (42.75 to 43.75): VU039859.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039859.D (-397) (-)

2.65

Time-->



#18

trans-1,2-Dichloroethene

Concen: 2.249 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039868.D

Acq: 14 Aug 2020 18:56

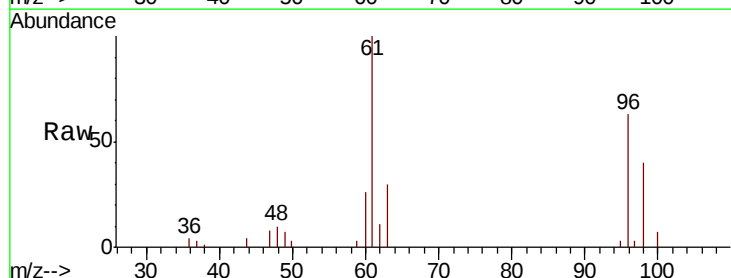
Tgt Ion: 96 Resp: 10441

Ion Ratio Lower Upper

96 100

61 159.3 96.5 179.1

98 64.3 40.9 76.0



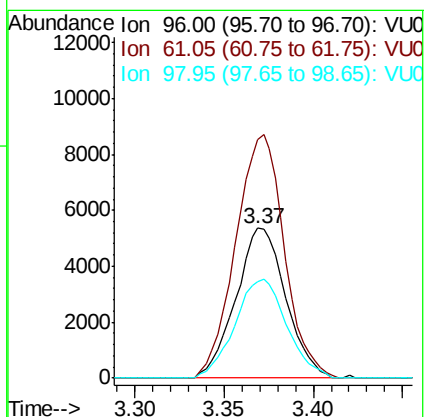
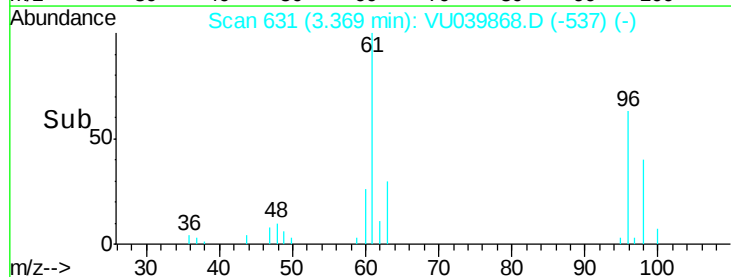
Abundance Ion 96.00 (95.70 to 96.70): VU039859.D (-616) (-)

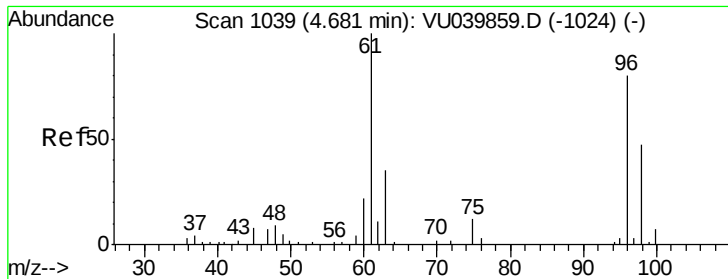
Ion 61.05 (60.75 to 61.75): VU039859.D (-616) (-)

Ion 97.95 (97.65 to 98.65): VU039859.D (-616) (-)

3.37

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.519 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU039868.D

Acq: 14 Aug 2020 18:56

Instrument :
MSVOA_U
ClientSampled :

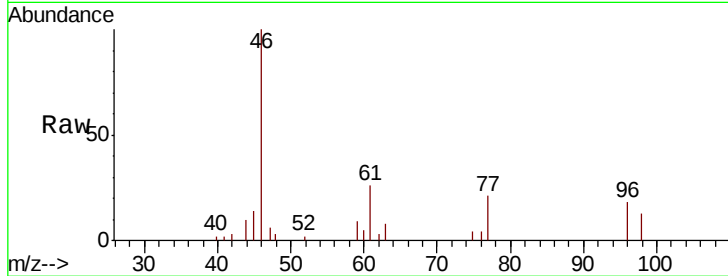
Tot Ion: 96 Resp: 2619

Ion Ratio Lower Upper

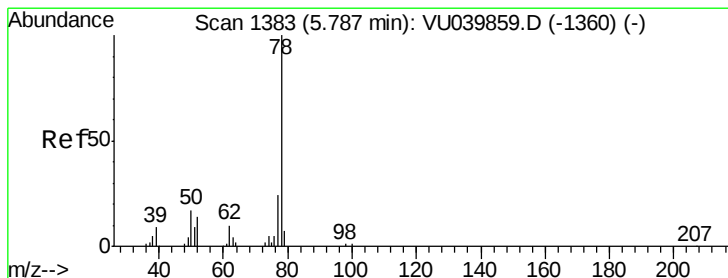
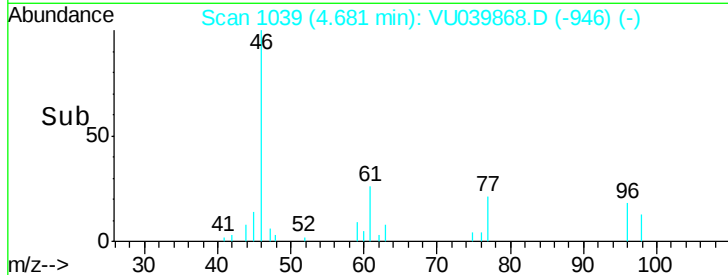
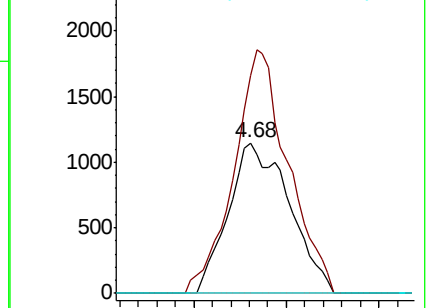
96 100

61 144.9 87.4 162.2

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



#33

Benzene

Concen: 0.203 ug/L

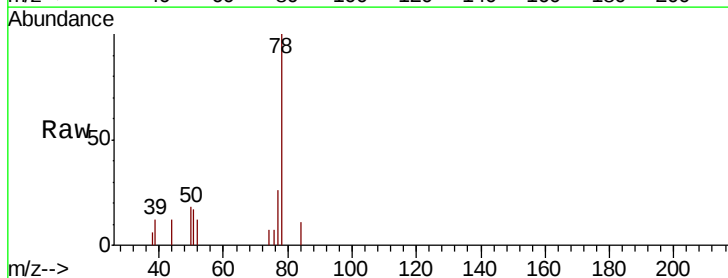
RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

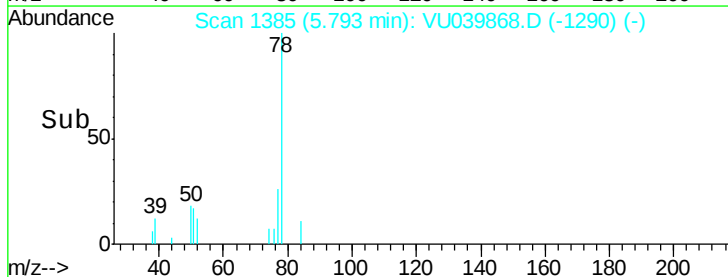
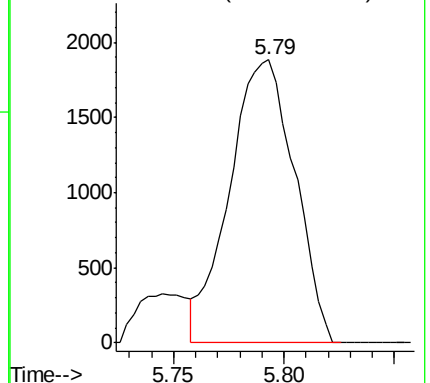
Lab File: VU039868.D

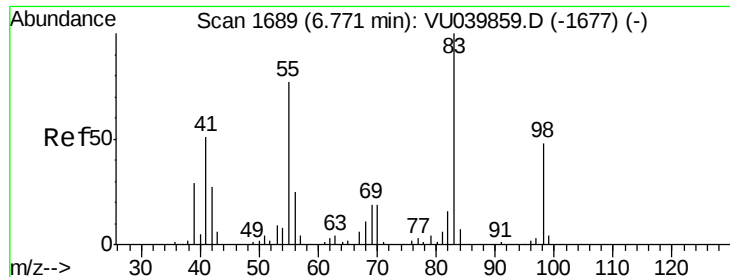
Acq: 14 Aug 2020 18:56

Tgt Ion: 78 Resp: 3858



Abundance Ion 78.10 (77.80 to 78.80): VU0

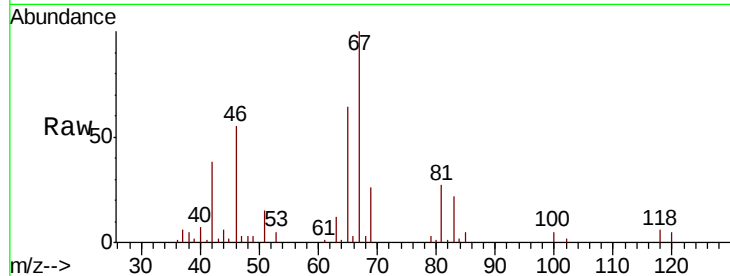




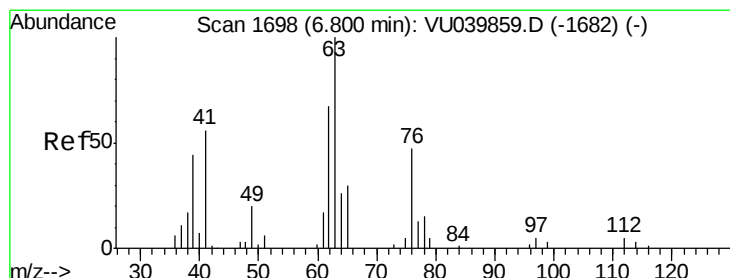
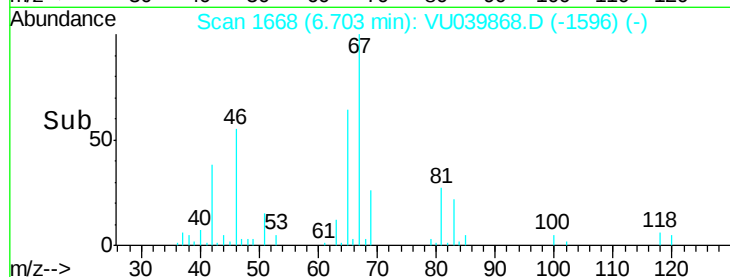
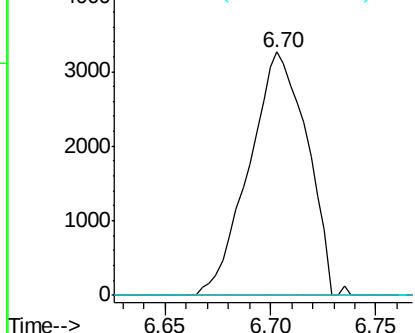
#35
Methvlcvclohexane
Concen: 0.785 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039868.D
Acq: 14 Aug 2020 18:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 6194
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 39.0 58.4#

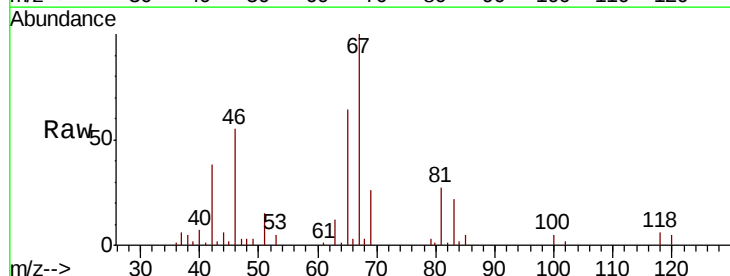


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

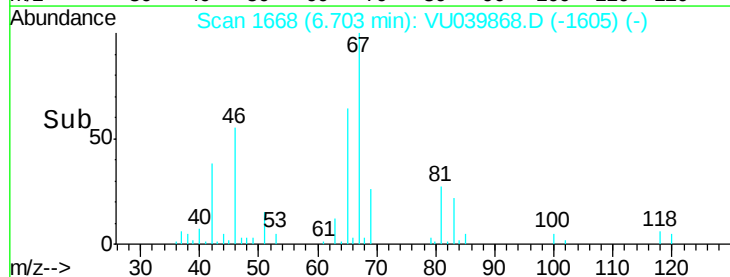
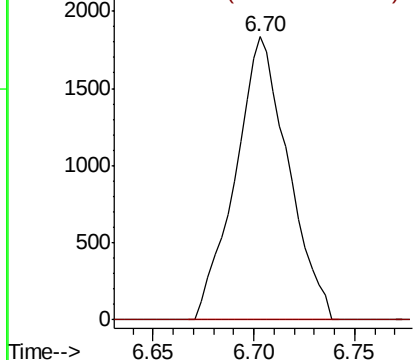


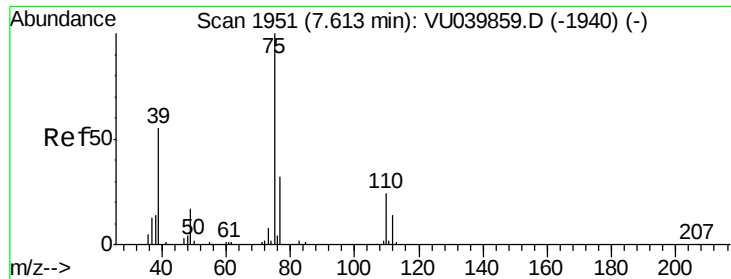
#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039868.D
Acq: 14 Aug 2020 18:56

Tgt Ion: 63 Resp: 3353
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

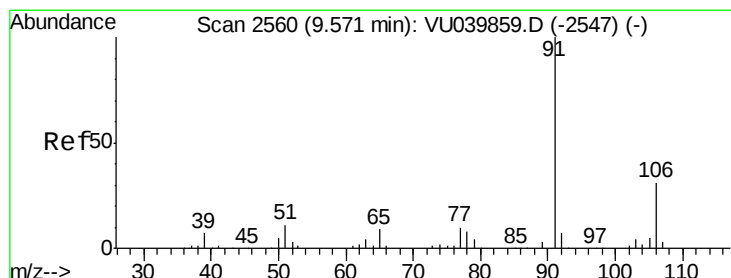
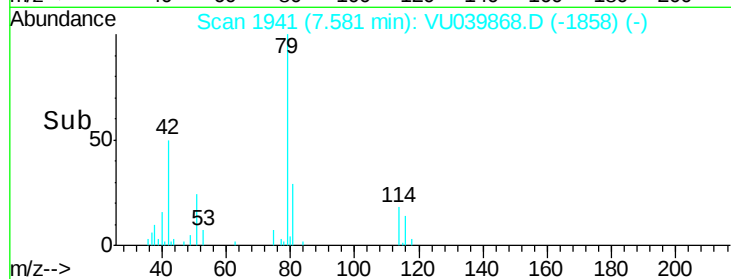
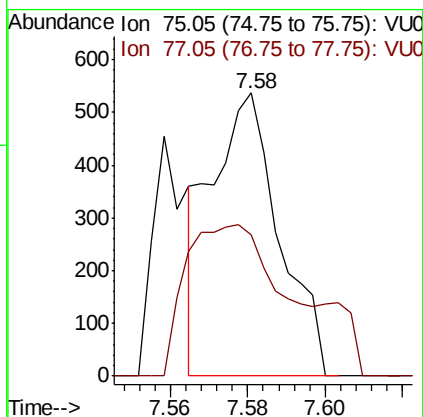
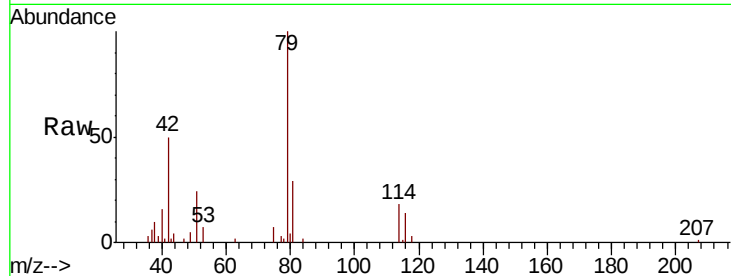




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.58 min Scan# 1941
 Delta R.T. -0.03 min
 Lab File: VU039868.D
 Acq: 14 Aug 2020 18:56

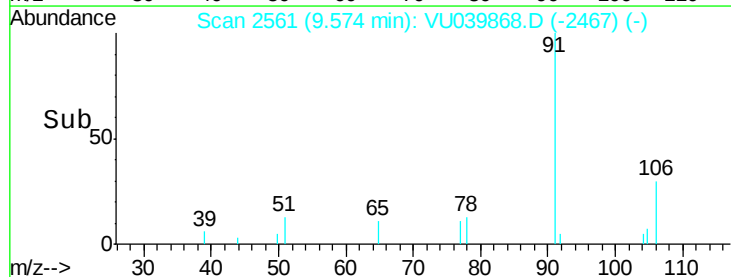
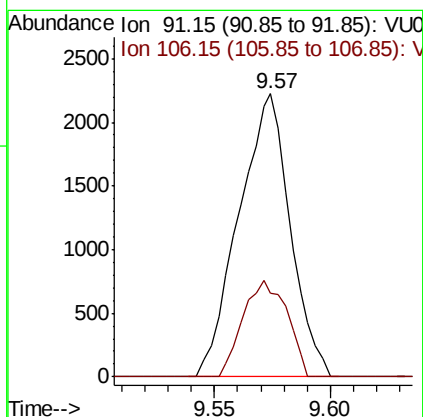
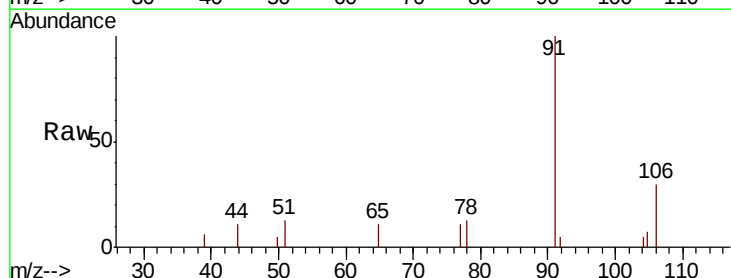
Instrument :
 MSVOA_U
 ClientSampleId :

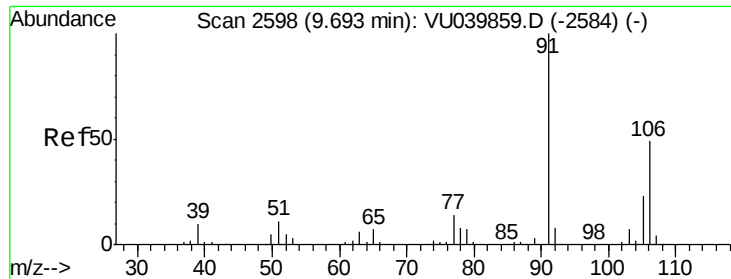
Tot Ion: 75 Resp: 654
 Ion Ratio Lower Upper
 75 100
 77 49.9 22.4 41.6#



#52
 Ethylbenzene
 Concen: 0.153 ug/L
 RT: 9.57 min Scan# 2561
 Delta R.T. 0.00 min
 Lab File: VU039868.D
 Acq: 14 Aug 2020 18:56

Tgt Ion: 91 Resp: 3429
 Ion Ratio Lower Upper
 91 100
 106 29.5 22.8 42.4





#53

m,p-Xylene

Concen: 0.118 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039868.D

Acq: 14 Aug 2020 18:56

Instrument :

MSVOA_U

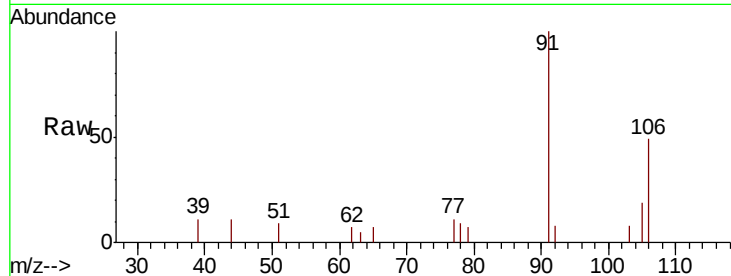
ClientSampleId :

Tot Ion:106 Resp: 1003

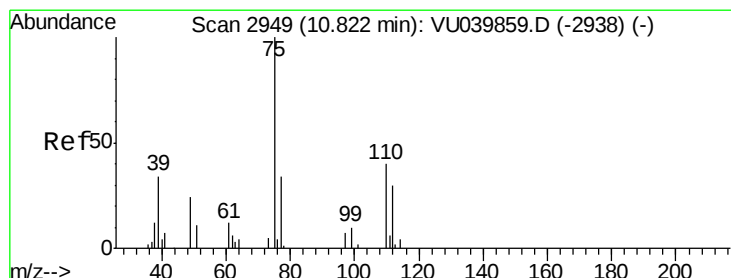
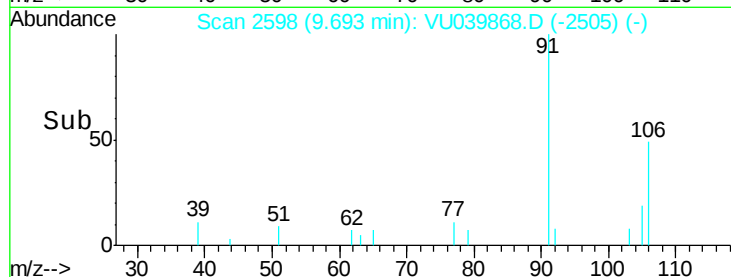
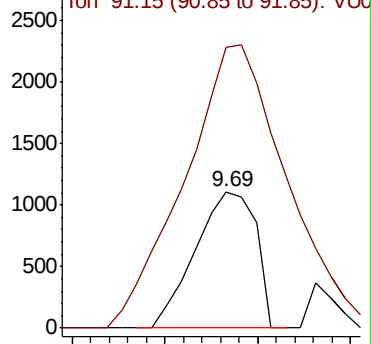
Ion Ratio Lower Upper

106 100

91 206.1 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039859.D (-2584) (-)



#59

1,2,3-Trichloropropane

Concen: 1.317 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039868.D

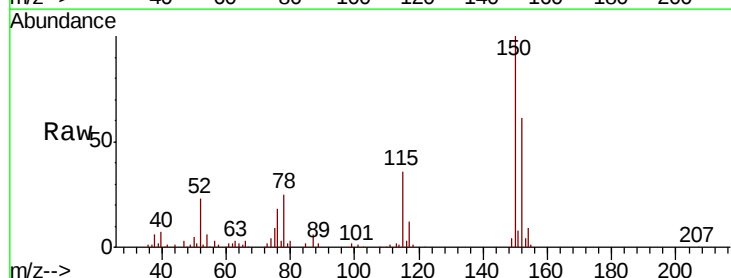
Acq: 14 Aug 2020 18:56

Tgt Ion: 75 Resp: 4804

Ion Ratio Lower Upper

75 100

77 38.9 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU039859.D (-2938) (-)

