

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
 Data File : VU039864.D
 Acq On : 14 Aug 2020 17:20
 Operator : SY/MD
 Sample : L3517-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 17 05:25:09 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	82505	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78836	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38379	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	18954	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.92	69	20271	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.58	63	28557	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.65	46	84808	43.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.56%
24) Chloroform-d	5.08	84	44822	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
26) 1,2-Dichloroethane-d4	5.72	65	25988	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
32) Benzene-d6	5.74	84	81306	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.70	67	28288	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.91	98	66852	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.19	79	10075	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.64	63	58820	44.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26298	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	31811	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

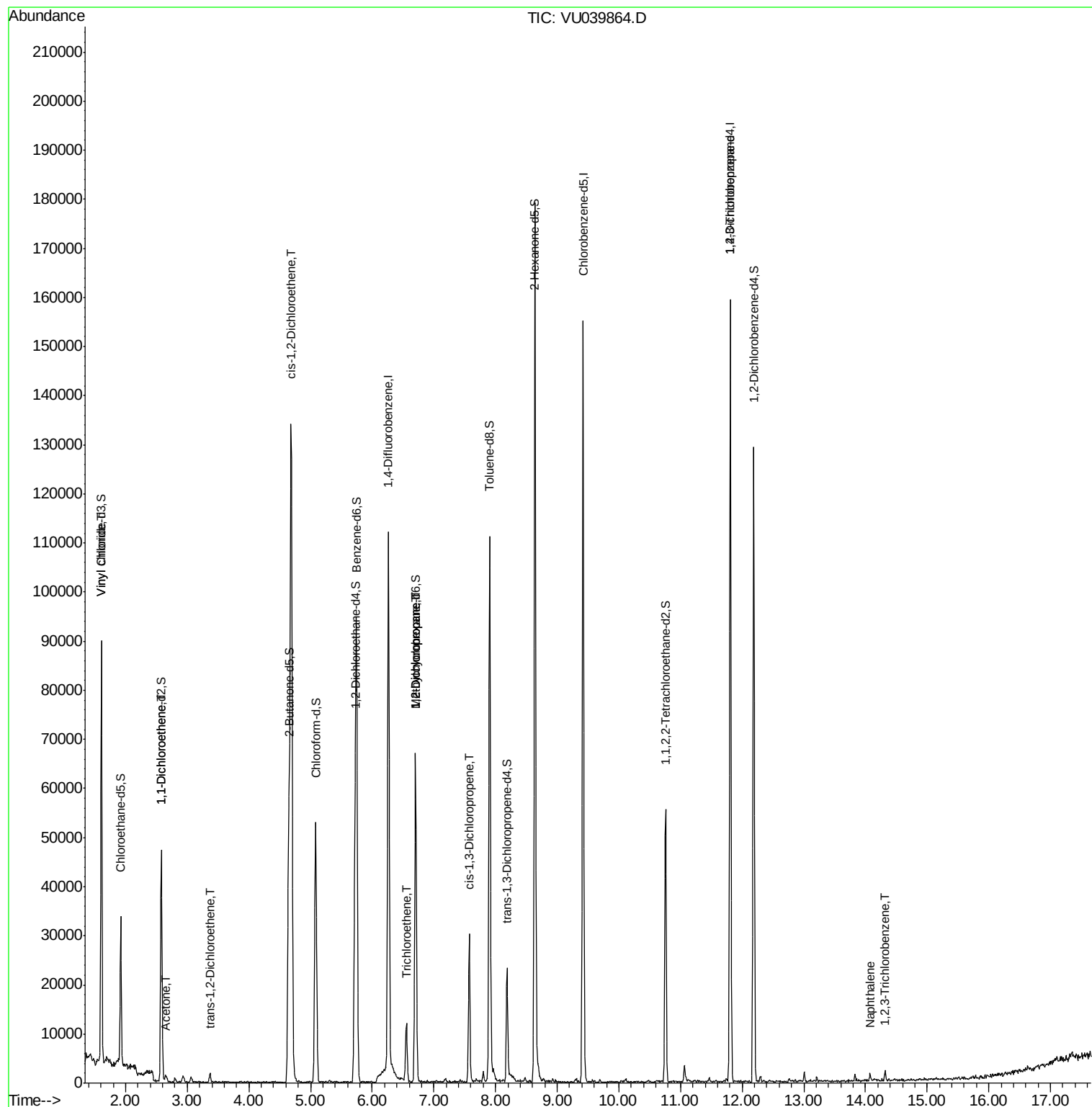
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	38354	5.717	ug/L	96
12) 1,1-Dichloroethene	2.59	96	574	0.117	ug/L #	1
13) Acetone	2.65	43	1893	1.639	ug/L	83
18) trans-1,2-Dichloroethene	3.37	96	869	0.159	ug/L #	72
22) cis-1,2-Dichloroethene	4.69	96	62260	10.447	ug/L	97
34) Trichloroethene	6.56	95	3563	0.639	ug/L	93
35) Methylcyclohexane	6.71	83	6643	0.746	ug/L #	22
37) 1,2-Dichloropropane	6.70	63	3396	0.595	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	781	0.100	ug/L	94
59) 1,2,3-Trichloropropane	11.81	75	5879	1.429	ug/L #	85
69) Naphthalene	14.07	128	1833	0.144	ug/L #	74
70) 1,2,3-Trichlorobenzene	14.32	180	772	0.121	ug/L #	77

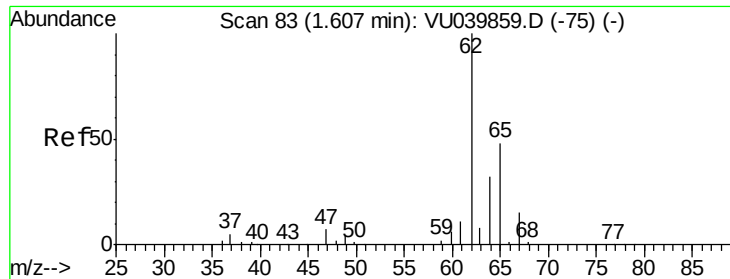
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.717 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

Instrument :

MSVOA_U

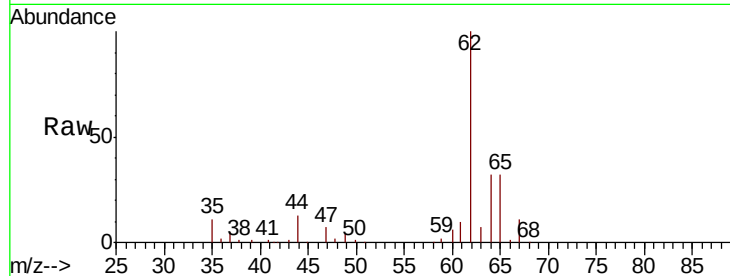
ClientSampleId :

Tot Ion: 62 Resp: 38354

Ion Ratio Lower Upper

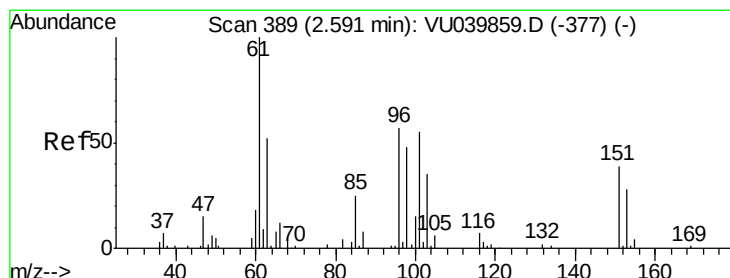
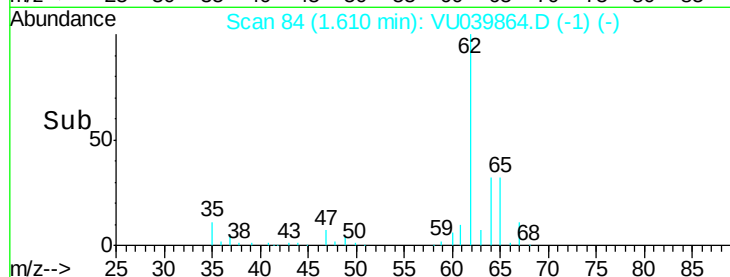
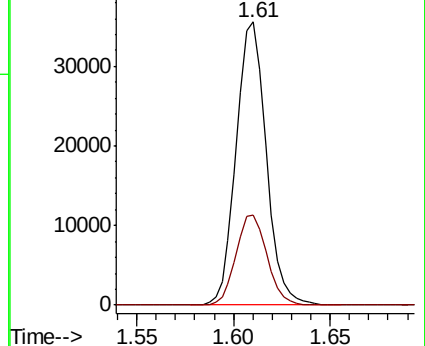
62 100

64 32.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039864.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039864.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.117 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

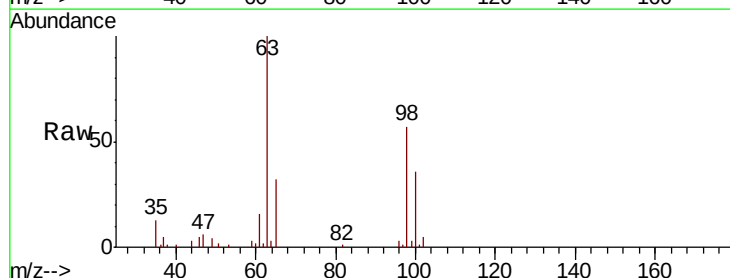
Tgt Ion: 96 Resp: 574

Ion Ratio Lower Upper

96 100

61 519.7 121.7 225.9#

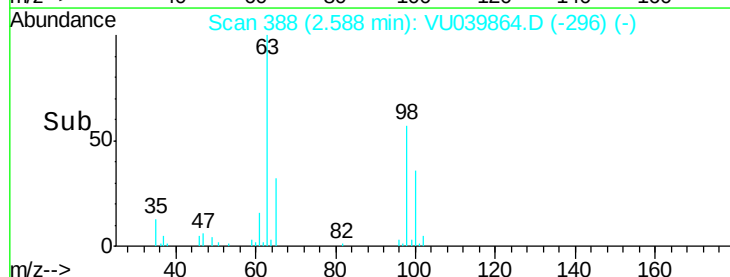
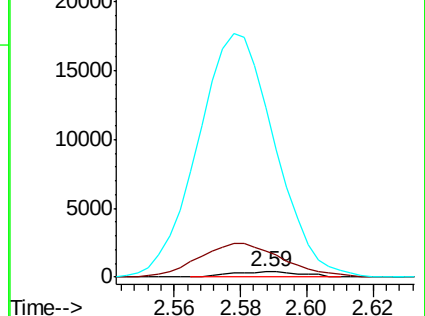
63 3313.5 82.1 152.5#

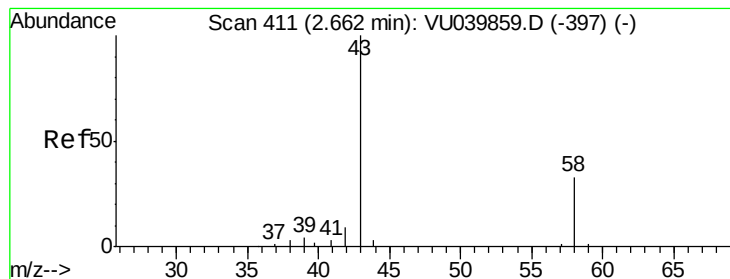


Abundance Ion 96.00 (95.70 to 96.70): VU039864.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU039864.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU039864.D (-296) (-)





#13

Acetone

Concen: 1.639 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

Instrument :

MSVOA_U

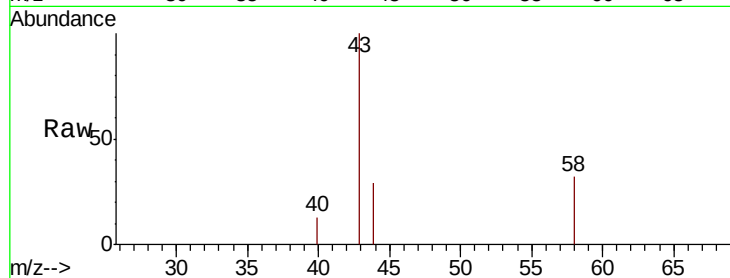
ClientSampleId :

Tot Ion: 43 Resp: 1893

Ion Ratio Lower Upper

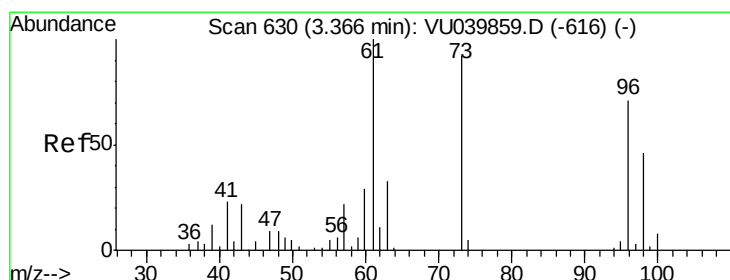
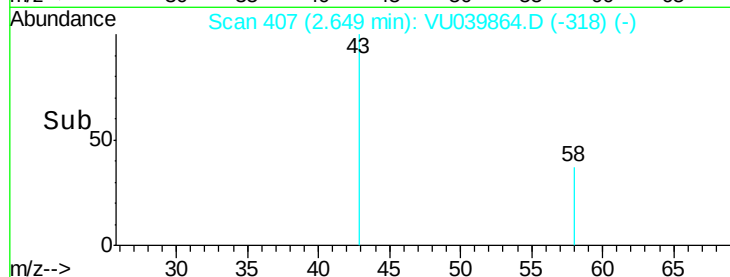
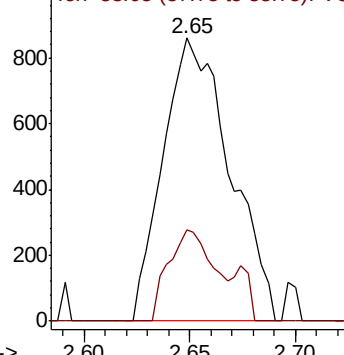
43 100

58 21.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.159 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

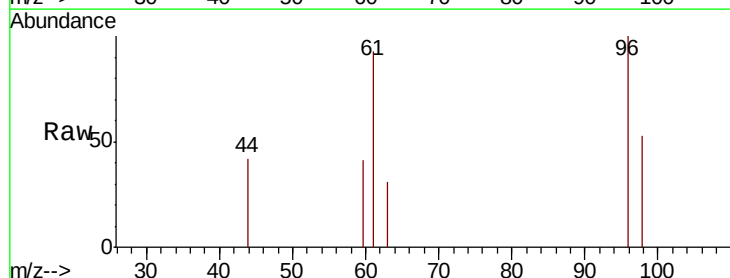
Tgt Ion: 96 Resp: 869

Ion Ratio Lower Upper

96 100

61 93.0 96.5 179.1#

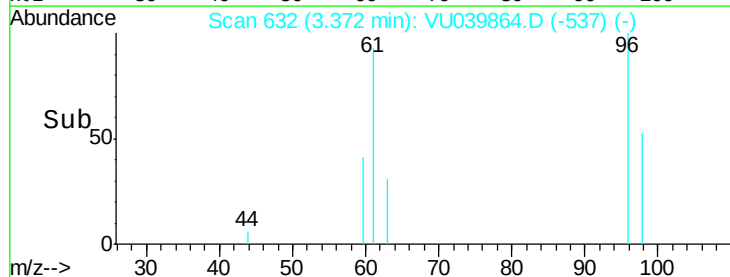
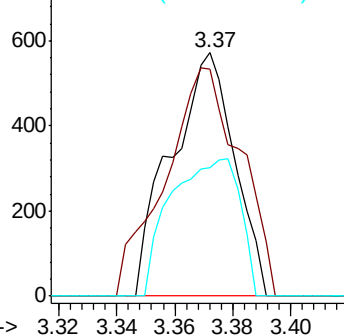
98 52.6 40.9 76.0

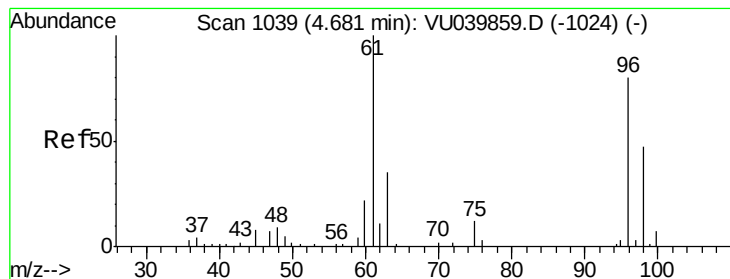


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 10.447 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

Instrument :

MSVOA_U

ClientSampleId :

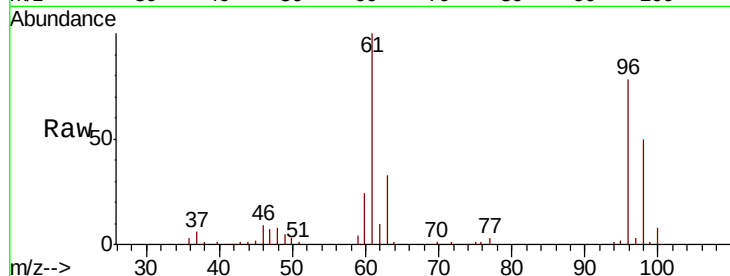
Tot Ion: 96 Resp: 62260

Ion Ratio Lower Upper

96 100

61 127.9 87.4 162.2

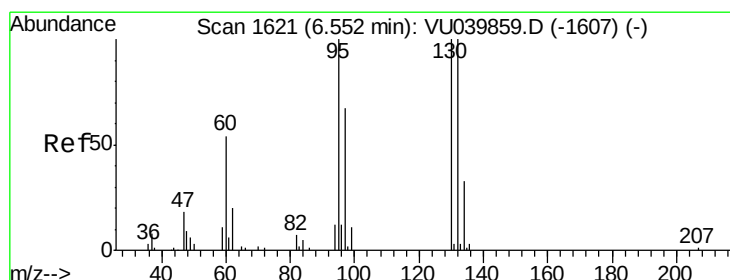
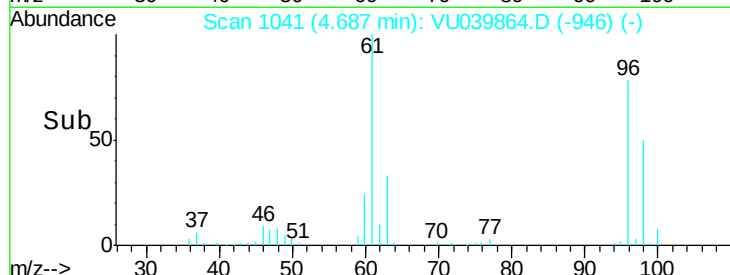
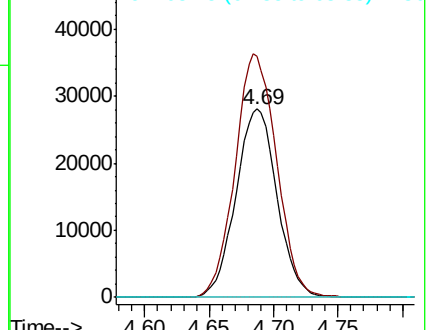
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039864.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU039864.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU039864.D (-946) (-)



#34

Trichloroethene

Concen: 0.639 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

Tgt Ion: 95 Resp: 3563

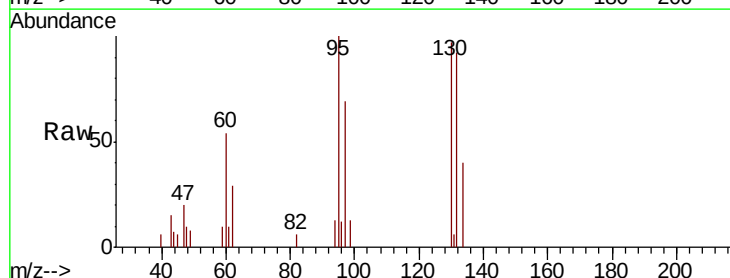
Ion Ratio Lower Upper

95 100

97 68.9 44.0 81.8

132 92.3 71.7 133.3

130 97.1 71.1 132.1

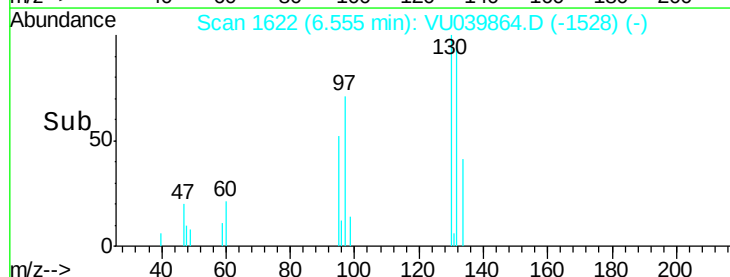
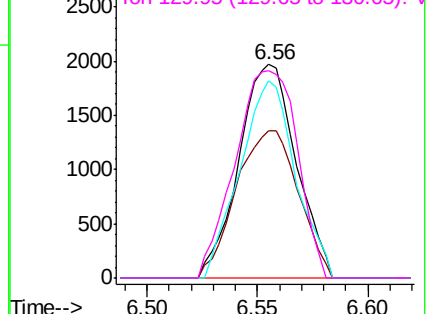


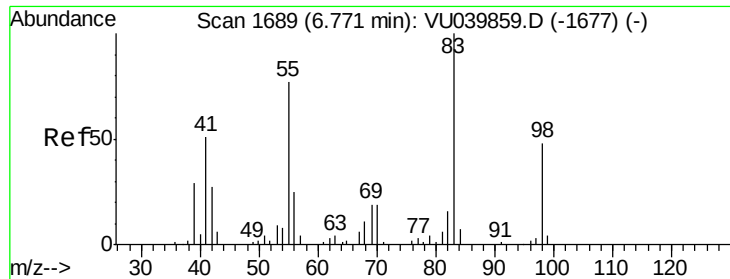
Abundance Ion 95.00 (94.70 to 95.70): VU039864.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU039864.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU039864.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU039864.D (-1528) (-)

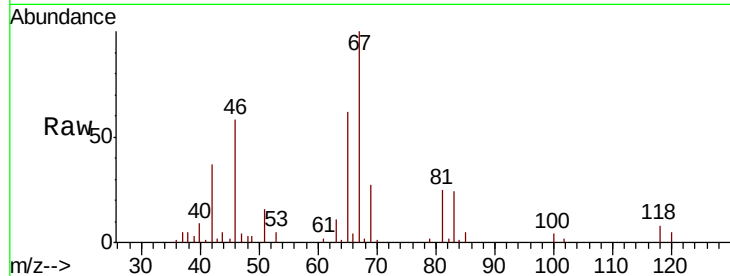




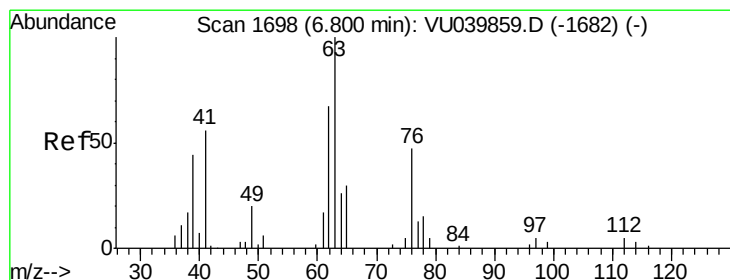
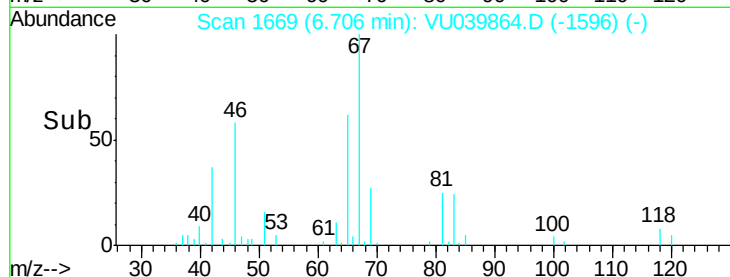
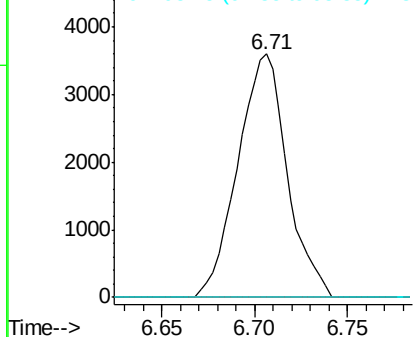
#35
Methylvlcyclohexane
Concen: 0.746 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU039864.D
Acq: 14 Aug 2020 17:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 6643
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 5.4 39.0 58.4#

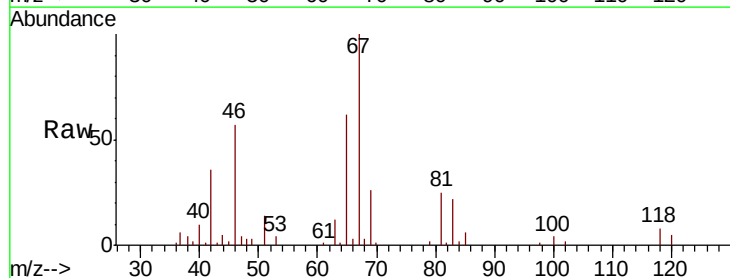


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

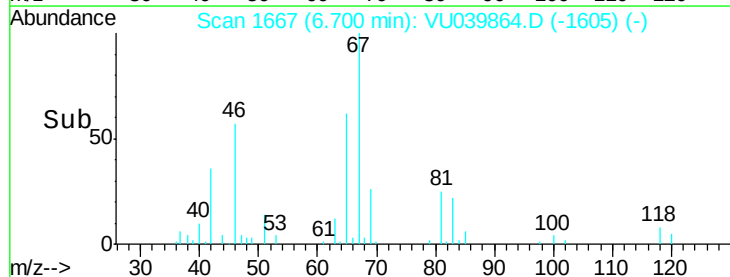
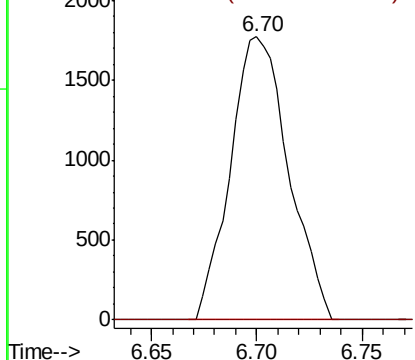


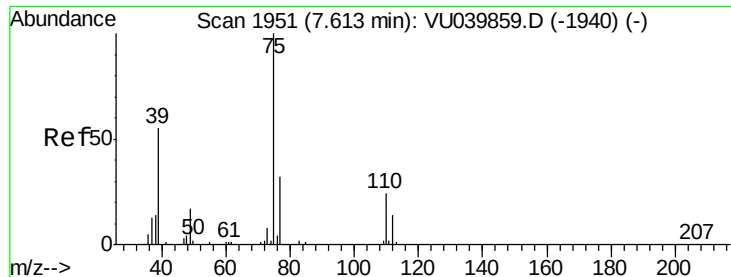
#37
1,2-Dichloropropane
Concen: 0.595 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU039864.D
Acq: 14 Aug 2020 17:20

Tgt Ion: 63 Resp: 3396
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

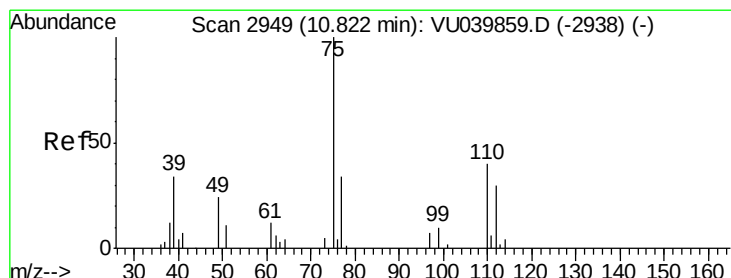
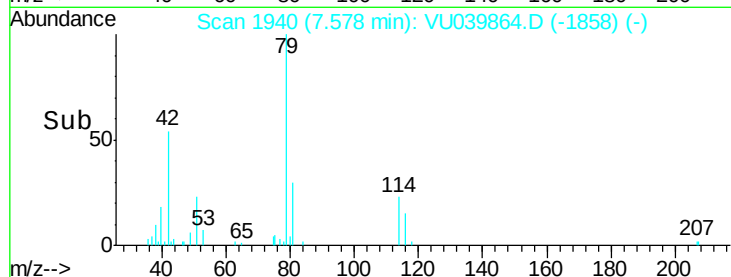
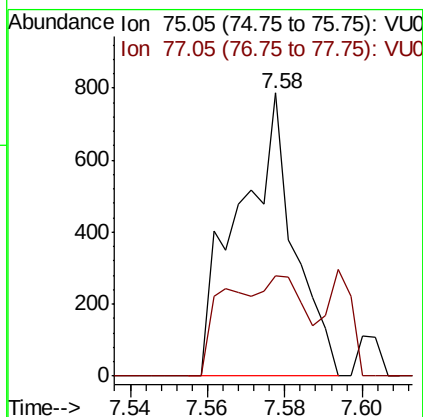
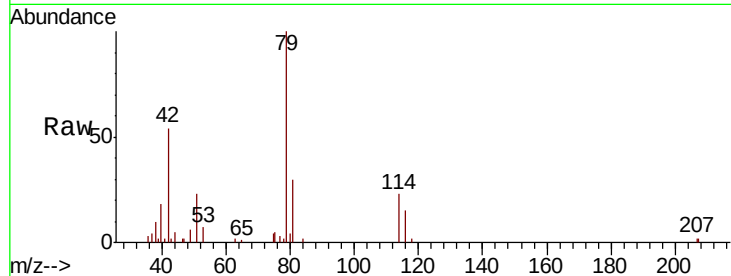




#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039864.D
 Acq: 14 Aug 2020 17:20

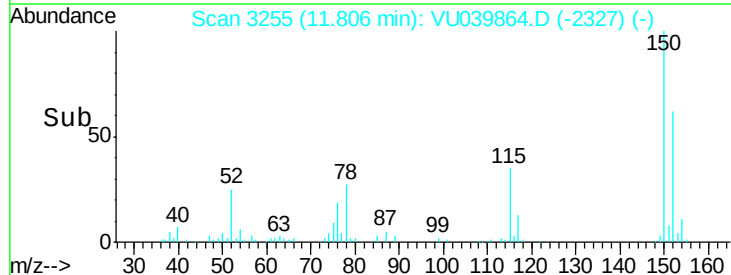
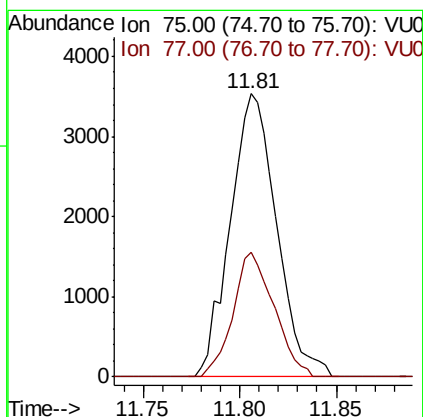
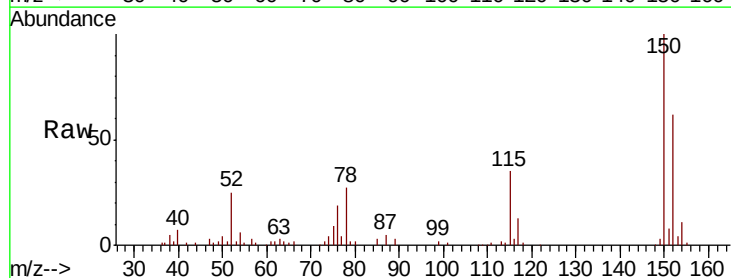
Instrument :
 MSVOA_U
 ClientSampleId :

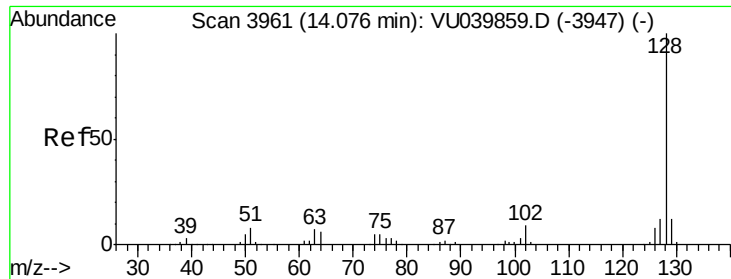
Tot Ion: 75 Resp: 781
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.4 41.6



#59
 1,2,3-Trichloropropane
 Concen: 1.429 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039864.D
 Acq: 14 Aug 2020 17:20

Tgt Ion: 75 Resp: 5879
 Ion Ratio Lower Upper
 75 100
 77 38.8 24.6 37.0#





#69

Naphthalene

Concen: 0.144 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

Instrument :

MSVOA_U

ClientSampleId :

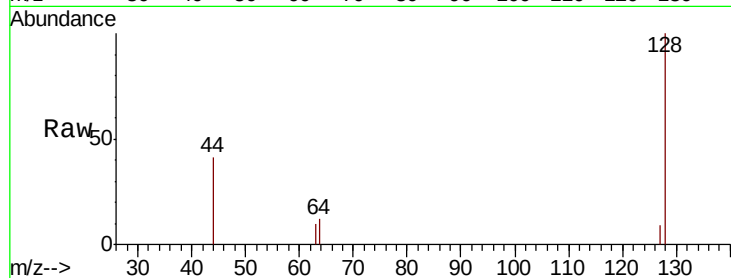
Tot Ion:128 Resp: 1833

Ion Ratio Lower Upper

128 100

129 0.0 8.9 13.3#

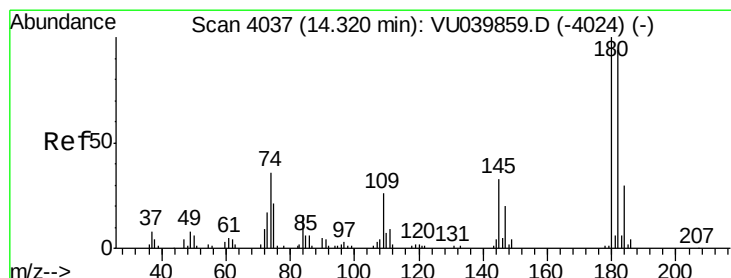
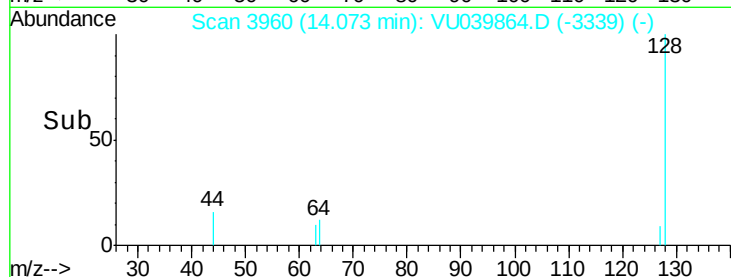
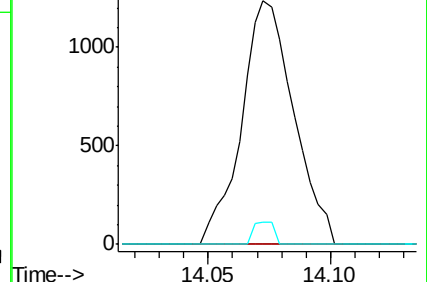
127 3.5 10.1 15.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.121 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039864.D

Acq: 14 Aug 2020 17:20

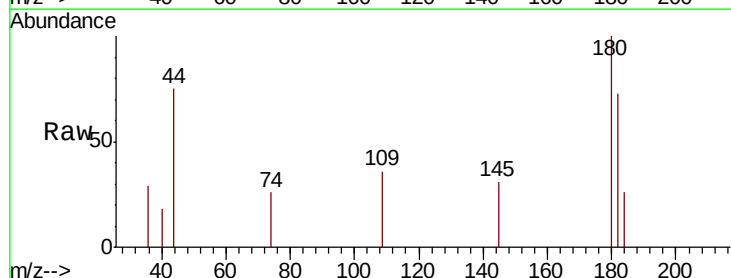
Tgt Ion:180 Resp: 772

Ion Ratio Lower Upper

180 100

182 74.1 76.1 114.1#

145 19.3 27.4 41.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

